Base Load Power Hub (BLPH)

Logic diagram print out SIS and FGS

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Rev.	Date	Description	Prepared	Reviewed	Approved

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Revision / Change Log

Rev.	Description
00	Issue for Information (IFI)
01	Issue for Information (IFI)

HOLDS LIST

No.	Description
1	
2	
3	
4	

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1 INTRODUCTION

1.1 PROJECT OVERVIEW

Crosswind, a Shell and Eneco joint venture, was awarded the tender to develop the offshore Hollandse Kust Noord (HKN) wind farm, located 18.5km off the coast of Netherlands near the town of Egmond aan Zee. The consortium plans to have HKN operational in 2023 with an installed capacity of 759MW generating at least 3.3TWh per year. This is sufficient renewable power to supply more than 1 million Dutch households with green electricity.

Offshore wind farms produce intermittent electricity and balancing these dips and peaks and integrating this electricity into the national energy system requires new technologies. For this reason, the offshore wind farm will include several new technologies that could be implemented at full-scale in the future. The new technologies being explored include a floating solar park, a short-duration battery storage as well as long-term storage via green hydrogen produced by water electrolysis and subsequently consumed in a fuel cell. The combination of these individual measures, herein referred to as the Base Load Power Hub (BLPH) will ensure a continuous power supply regardless of the wind situation.

1.1.1 Project Location

The Hollandse Kust Noord (HKN) wind farm is located 18.5km off the coast of the Netherlands near the town of Egmond aan Zee.

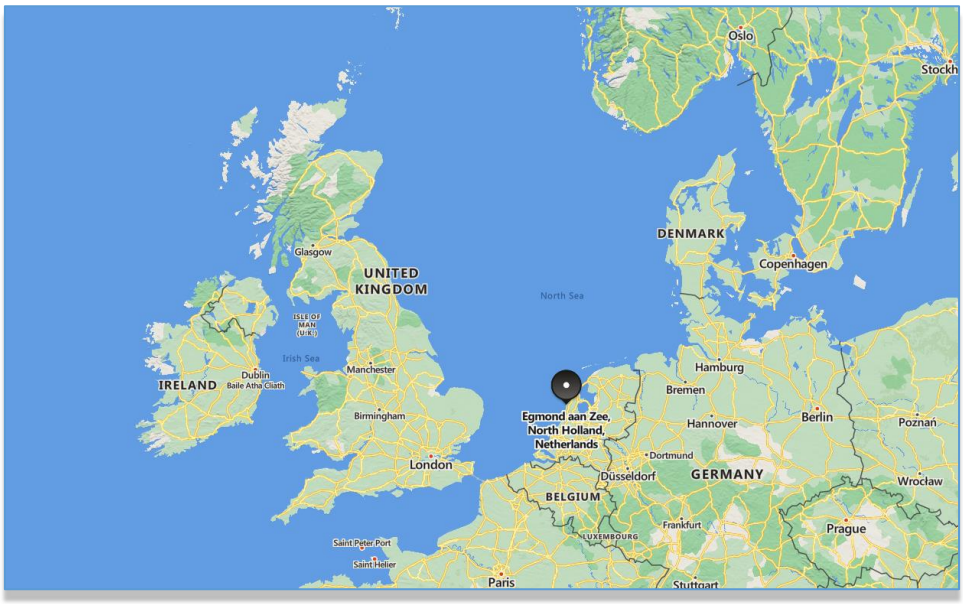


Figure 1 HOLLANDSE KUST NOORD WIND PARK Location Map

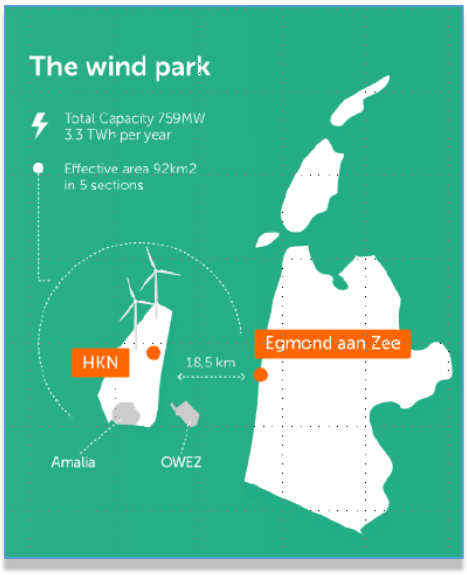


Figure 2 - Wind Park Details

The wind farm will consist of No. 69 x 11.5MW wind turbine generators each to be installed on a dedicated monopile structure. A 70th monopile located on coordinates E 590719.1, N 5841602.3 is reserved for installing the platform accommodating the BLPH. The monopile structure was designed and installed by Van Oord Offshore Wind (VooW) and therefore not part of the BLPH scope.

1.1.2 Project Concept

All components included in the BLPH will be integrated onshore on a topsides and installed in an offshore location within the boundaries of the HKN wind farm. At its simplest, the BLPH will store energy during periods of high electricity generation from renewable sources (a wind turbine generator and the floating solar PV farm) and release it during periods of low generation. In practice. It is expected that the energy stored will supplement generation from renewable sources to ensure that at least 1.0MW of power is exported to the electrical grid regardless of wind/solar availability.

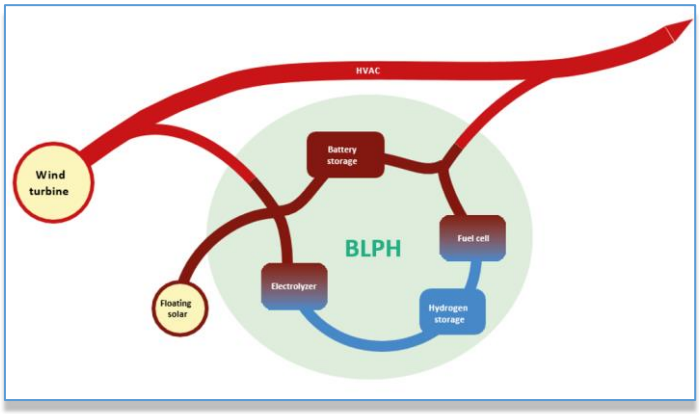


Figure 3 – BLPH Concept

Electricity in the BLPH will be stored in the form of electrons in a battery energy storage system (BESS) as well as converted into green hydrogen via water electrolysis. When the power output from the connecting wind turbine drops to below 1 MWe, the BLPH will return its stored energy to supplement the remaining power output. This will be by discharging the BESS, while stored hydrogen will be converted back into electricity using a fuel cell to extend the discharge duration.

The purpose of the BLPH s to function as a testbed for the integration of energy storage technologies with renewable generation. It is expected that equipment installed on the BLPH will operate as Normally Unmanned Installation for at least two (2) years with no or minimal maintenance and it will have its own independent control room with the ability to communicate with Crosswind's control room.

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2 DOCUMENT SCOPE

In order to compare the application logic prior to modification and the application logic after the modification, the applications can be printed out with self-documentation. The consistency between the contents displayed on the windows and the contents in the printouts can also be confirmed.

Self-documentation is printouts the contents defined on the various builders and the tuning parameters to a document as archived materials.

2.1 REFERENCES

Doc. No.	*Description*
123A90-DDL-IN-DD-40019 Rev.00	Data Network Architecture Drawings
123A90-PML-QHSE-PRO-00113 Rev.01	Vendor final document requirements and management
123A90-PML-PM-RE-00038 Rev.01	PROJECT CODES AND STANDARDS REPORT
123A90-DDL-TL-SP-45007 Rev.02	Telecom System Philosophy and Specifications
123A90-DDL-SAF-DL-30027 Rev.00	FandG detection Layout - lower and upper deck
123A90-DDL-SAF-DL-30028 Rev.00	FandG detection Layout - Below Lower deck
123A90-DDL-PR-UFD-80006 Rev.01	BLPH UTILITY FLOW DIAGRAM WATER TREATMENT PLANT
123A90-DDL-PR-UFD-80007 Rev.01	BLPH UTILITY FLOW DIAGRAM INSTRUMENT AIR AND NITROGEN SYSTEMS
123A90-DDL-PR-UFD-80008 Rev.01	BLPH UTILITY FLOW DIAGRAM VENT SYSTEMS
123A90-DDL-IN-SP-40018 Rev. 00	Data Network Design Specification
123A90-DDL-IN-SP-40094 Rev. 00	Instrumentation for Package Unit Specification
123A90-DDL-IN-SP-40097 Rev.00	System Specification for Main Automation Contractor
123A90-DDL-IN-SP-40098 Rev.00	Control System (PCS) Specification
123A90-DDL-IN-SP-40100 Rev.00	Safety System (ESD, Fire and Gas) Specification
123A90-DDL-IN-RE-40023 Rev. 00	Cyber Security Design Philosophy

Doc. No.	*Description*
123A90-DDL-IN-RE-40093 Rev. 00	Control System Philosophy
123A90-DDL-IN-DD-40029 Rev.00	Automation Detailed Design and Construction Package
123A90-DDL-PR-DG-80000 Rev.01	Process Safety Cause and Effect Block Diagram
123A90-DDL-IN-MR-40103 Rev.01	MR - Process Automation System
123A90-DDL-IN-CE-40000 Rev.03	Process Safety Cause and Effect Matrix
123A90-DDL-IN-CE-40002 Rev.02	Fire and Gas Cause and Effect Matrix
K559-2254-PM-PLN-003 Rev.02	BASIC DESIGN ENGINEERING PACKAGE
123A90-MOM-RM-OOE-CW-002 Rev.00	Solar Package – BLPH Network Redundancy discussion
CWHKN-INN-INP-SPC-00005 Rev.01	SCADA Functional Design Specification
Crosswind - System Security Requirements v1.0	SYSTEM SECURITY REQUIREMENTS
K559-2254-EL-PHI-002 Rev03	ELECTRICAL SYSTEM DESCRIPTION AND DESIGN PHILOSOPHY
K559-2254-IC-BLD-001 Rev.01	PRELIMINARY CONTROL SYSTEM ARCHITECTURE
K559-2254-IC-PHI-001 Rev.01	CONTROL SYSTEM PHILOSOPHY
K559-2254-IC-REP-003 Rev.00	CYBER SECURITY ASSESSMENT
K559-2254-IC-SPE-001 Rev.00	SYSTEM SPECIFICATION FOR MAIN AUTOMATION CONTRACTOR
K559-2254-PR-BLD-001 Rev.01	BLOCK FLOW DIAGRAM SYSTEM OVERVIEW
K559-2254-EL-LST-001 Rev.00	CONTROL ALARM AND MONITORING TABLE
123A90-DDL-IN-LIS-40027 Rev.01	Master Alarm Database
123A90-DDL-IN-RE-40026 Rev.00	Alarm Management Workshop Report
123A90-DDL-IN-RE-40095 Rev.01	Process Control Logics Description
123A90-DDL-IN-PRO-40010 Rev.01	Override Procedures for Process Safeguarding Systems
123A90-DDL-IN-RE-40025 Rev.01	Alarm Management Workshop Terms of Reference
123A90-DDL-IN-SP-40024_Rev.00	Alarm System Requirements Specification
123A90-DDL-PR-RE-80031 Rev.02	Process Control, Operation, Start-up and Shutdown Philosophy

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Doc. No.	*Description*
123A90-DDL-EL-DG-20014 Rev 01	Electrical Control, Protection and Metering Diagrams
123A90-DDL-EL-DG-20158 Rev.02	Overall-Key Single Line Diagram
123A90-DDL-EL-RE-20170 Rev.01	Electrical System Study Report - Load Flow
123A90-DDL-EL-RE-20171 REV.01	Electrical System Study Report - Short Circuit
123A90-DDL-EL-RE-20175 Rev.01	Electrical System Study Report - Power Factor Compensation
123A90-DDL-EL-RE-20176 Rev.01	Electrical System Study Report - Transient In-Rush
123A90-DDL-EL-SP-20141 Rev.01	Electrical System Description and Design Philosophy
1723001595-EL-DG-00012 Rev.02	Functional logic diagram
1723001595-EL-DG-00013 Rev.03	BASE LOAD POWER HUB (BLPH) - 66kV Switchgear (GIS) - Single line diagram
1723001595-EL-DG-00017 Rev.01	Inter-panel logic diagram
1723001697-EL-DG-00010 Rev.03	TR-100AD1 Termination and Wiring Diagram
1723002197-EL-DG-00010 Rev. 04	SG-100D1 HV SWBD 6,6kV - ELECTRICAL SINGLE LINE DIAGRAM
1723002197-EL-DG-00011 Rev.04	SG-200N1 LV SWBD 400-230V ELECTRICAL SINGLE LINE DIAGRAM
1723002197-EL-DG-00012 Rev.04	SG-200D2-LV SWBD 800V-ELECTRICAL SINGLE LINE DIAGRAM
1723002197-EL-DG-00015 Rev.01	SG-100D1 MV SWBD 6,6kV - FUNCTIONAL DIAGRAM - INCOMING FEEDER
1723002197-EL-DG-00016 Rev.01	SG-100D1 MV SWBD 6,6kV - FUNCTIONAL DIAGRAM - BUS BAR METERING
1723002197-EL-DG-00017 Rev.01	SG-100D1 MV SWBD 6,6kV - FUNCTIONAL DIAGRAM BESS FEEDER A-8500
1723002197-EL-DG-00018 Rev.01	SG-100D1 MV SWBD 6,6kV - FUNCTIONAL DIAGRAM - ELECTROLYSER FEEDER A20000
1723002197-EL-DG-00019 Rev.03	SG-100D1 HV SWBD 6,6kV- FUNCTIONAL DIAGRAM - FUEL CELL FEEDER A-80000
1723002197-EL-DG-00020 Rev.03	SG-100D1 HV SWBD 6,6kV - FUNCTIONAL DIAGRAM - TRANSFORMER FEEDER TR200ED1
1723002197-EL-DG-00021 Rev.01	SG-100D1 MV SWBD 6,6kV - FUNCTIONAL DIAGRAM - TRANSFORMER FEEDER TR200DE1

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Doc. No.	*Description*
1723002197-EL-DG-00022 Rev.01	SG-100D1 MV SWBD 6,6kV INTERCONNECTING
1723002197-EL-DG-00023 Rev.01	SG-100D1 MV SWBD 6,6kV-LOGIC DIAGRAM-INCOMING FEEDER TR-100AD1
1723002197-EL-DG-00025 Rev.01	SG-100D1 MV SWBD 6,6kV - LOGIC DIAGRAM - BESS FEEDER A-85000
1723002197-EL-DG-00026 Rev.01	SG-100D1 MV SWBD 6,6kV - LOGIC DIAGRAM - ELECTROLYSER FEEDER A20000
1723002197-EL-DG-00027 Rev.03	SG-100D1 HV SWBD 6,6kV - LOGIC DIAGRAM -FUEL CELL FEEDER A-80000
1723002197-EL-DG-00028 Rev.03	SG-100D1 HV SWBD 6,6kV - LOGIC DIAGRAM - TRANSFORMER FEEDER TR200ED1
1723002197-EL-DG-00029 Rev.03	SG-100D1 HV SWBD 6,6kV - LOGIC DIAGRAM - TRANSFORMER FEEDER TR200DE1
1723002197-EL-DG-00030 Rev.02	SG-200N1 LV SWBD 400-230V FUNCTIONAL DIAGRAMS - INCOMINGS AND INTERCONNECTING AND AUX DISTRIBUTION
1723002197-EL-DG-00031 Rev.02	SG-200N1 LV SWBD 400-230V - FUNCTIONAL DIAGRAMS - TYPICAL FEEDERS
1723002197-EL-DG-00032 Rev.01	SG-200D2 LV SWBD - ELECTRICAL FUNCTIONAL DIAGRAM
1724000428-IN-LIS-00016 Rev.03	IO LIST - INSTRUMENT AIR PACKAGE
1724000437-IN-LIS-00015 Rev.03	IO LIST - NITROGEN GENERATION PACKAGE U-64000
1724000372-EL-LIS-00014 Rev.02	IO LIST
1723002197-EL-LIS-00041 Rev.02	SG-100D1 IO LIST- Hv Switchgear
1723002197-EL-LIS-00042 Rev.02	SG-200N1 IO LIST - Lv Switchgear
1723002197-EL-LIS-00043 Rev.01	SG-200D2 IO LIST (HARDWARE -SOFTWARE)
1723001595-EL-LIS-00011 Rev.02	Switchgear IO list
1724000448-IN-LIS-00019 Rev.01	INPUT-OUTPUT LIST
123A90-DDL-EL-DG-20185 Rev.01	Electrical Single Line Diagram HV Systems
1724000372-EL-DG-00006 Rev.02	DC UPS - SINGLE LINE DIAGRAM and INTERCONNECTING DIAGRAM

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Doc. No.	*Description*
1724000372-EL-DG-00007 Rev.02	AC UPS - SINGLE LINE DIAGRAM and INTERCONNECTING DIAGRAM
123A90-DDL-IN-LIS-40089 Rev.03	Instrument I-O List
123A90-DDL-EL-DL-20100 Rev 01	Base Load Power Hub - Electrical Equipment Layout - Top Deck
123A90-DDL-EL-DL-20101 Rev 01	BASE LOAD POWER HUB (BLPH) - Electrical Equipment Layout - Lower Deck
123A90-DDL-EL-DL-20104 Rev.02	Base Load Power Hub (BLPH) - Electrical Equipment Layout - HV Switch room
123A90-DDL-EL-DL-20105 Rev.02	Electrical Equipment Layout - LV Switch room
123A90-DDL-EL-DL-20106 Rev.01	Base Load Power Hub (BLPH) - Electrical Equipment Layout - UPSs & Batteries Switch room
123A90-DDL-IN-DL-40012_Rev.03	BASE LOAD POWER HUB - OFFSHORE ITER - EQUIPMENT LAYOUT
1724000049-HV-PID-00039.Rev.00	B-100 PID - E&I SHELTERS
1724000049-HV-PID-00040.Rev.00	B-200 PID - E&I SHELTERS
1724000049-HV-PID-00041.Rev.00	B-300 PID - E&I SHELTERS
1724000049-HV-PID-00042.Rev.00	B-400 PID - E&I SHELTERS
1724000428-PR-PID-00019 Rev.02	PACKAGE PID - INSTRUMENT AIR PACKAGE
1724000437-PR-PID-00018 Rev.02	PACKAGE PID - NITROGEN GENERATION PACKAGE
1724000448-PR-PID-00013_Rev.01	WATER TREATMENT PACKAGE-PID DIAGRAM
HKN1-04-DWG-312 RevD	HKN1-04-DWG-312 Power Export System Single Line Diagram
K559-2254-CWIWP4202201-C06-001 Rev.01	Electrical Single Line Diagrams
K559-2254-CWIWP4202202-C03-001 Rev.05	BALLARD - BLPH Project - P&IDs
C63-PID-001_Rev.07	ELOGEN BLPH Project - Process and Instrumentation Diagrams
123A90-DDL-IN-CE-40000 Rev.03	Process Safety Cause and Effect Matrix
123A90-DDL-IN-CE-40002 Rev.02	Fire and Gas Cause and Effect Matrix

Table 1 - Reference Documents

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2.2 YOKOGAWA PROJECT DOCUMENTS

Doc. No.	Description
1724000594-IN-RE-00041 Rev00	Cybersecurity Workshop Preparation
1724000594-QC-ITP-00002 Rev01	INSPECTION AND TEST PLAN
1724000594-QC-PRO-00031 Rev00	SW FACTORY ACCEPTANCE TEST (FAT) PROCEDURE
1724000594-IN-SP-00018 Rev02	PCS and SAFETY SYSTEMS Software Functional Design Specification (FDS-SW)
1724000594-IN-LIS-00040 Rev00	VENDOR ASSET AND TAG REGISTER
1724000594-IN-MAN-00038 Rev00	Instructions for Operation and Maintenance for ProSafe-RS
1724000594-QC-PRO-00030 Rev01	HW FACTORY ACCEPTANCE TEST (FAT) PROCEDURE
1724000594-IN-RE-00008 Rev01	Safety Controller loading estimation
1724000594-IN-DD-00028 Rev01	HMI screens print out
1724000594-IN-PL-00029 Rev00	Safety Validation Plan (SVP)
1724000594-IN-LIS-00005 Rev00	EMCS IO List (HW and SW)
1724000594-IN-RE-00035 Rev01	Cyber Security Risk Assessment REPORT
1724000594-IN-RE-00043 Rev00	CYBER SECURITY SETTINGS
1724000594-IN-LIS-00036 Rev01	ATEX REGISTER
1724000594-IN-SP-00019 Rev02	EMCS Software Functional Design Specification (FDS-SW)
1724000594-QC-LIS-00034 Rev00	MANUFACTURERS RECORD BOOK (FINAL DOSSIER) - INDEX
1724000594-QC-PRO-00042 Rev00	THIRD PARTY COMMUNICATION TEST PROCEDURE
1724000594-IN-DD-00015 Rev03	System Architecture
1724000594-IN-LIS-00004 Rev03	PCS and Safety System IO List (HW and SW)
1724000594-IN-DG-00016 Rev01	Network Connection Diagram
1724000594-IN-LIS-00007 Rev01	Systems Cables List
1724000594-IN-SP-00017 Rev01	PAS Hardware Functional Design Specification (FDS-HW)

Table 2 – Yokogawa Project Documents

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2.3 DEFINITIONS AND ABBREVIATIONS

ALE	Yokogawa Ethernet Communication Module
AMS	Alarm Management System
BLPH	Base Load Power Hub
CAP	Critical Action Panel
Centum VP	Yokogawa's DCS Product
PCS	Process Control System
CI	Collaborative Information
COMPANY	Crosswind
CONTRACTOR (CTR)	ROSETTI MARINO S.p.A.
DCS	Distributed Control System
DEP	Design and Engineering Practice
DOCUMENT NAME	Document Title
EMCS	Electrical Monitoring and Control System
EPC	Engineering, Procurement Construction
EWS	Engineering Workstation
FCS	Field Control Station
FGS	Fire & Gas System
GSD	General Station Description
HART	Highway Addressable Remote Transducer
HKN	Hollandse Kust Noord
HMI	Human Machine Interface
HV	High Voltage
HVAC	Heating, Ventilation and Air Conditioning
HV-SCADA	The given name for the COMPANY's control system for the HKN wind farm infrastructure. BLPH's control system shall operate autonomously but will interface with HV-SCADA.
IAMS	Instrument Asset Management System
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization

ITER	Instrument & Telecoms Equipment Room
ITP	Inspection and Test Plan
MAC	Main Automation Contractor
MCC	Motor Control Centre
NA	Not Applicable
OER	Onshore Equipment Room
OPC	OLE (Object Linking Embedded) for Process Control
P&ID	Piping and Instrument Diagram
PCS	Process Control System
PIN	Plant Information Network
PRM	Plant Resource Manager
PROJECT	HOLLANDSE KUST NOORD WIND PARK Project
SCADA	Supervisory Control and Data Acquisition
SHALL	An absolute requirement.
SHOULD	This word indicates a recommendation that whilst preferred may not be implemented provided some equivalent is proposed and agreed by COMPANY. The full implications must be understood and carefully weighed before choosing a different course.
SIF	Safety Instrumented Function
SIL	Safety Instrumented Level
SIS	Safety Instrumented System
TCP/IP	Transmission Control Protocol/Internet Protocol
Vnet/IP	Yokogawa Virtual Network
WSUS	Window Security Update Services

Table 3 - Definitions and Abbreviations

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3 LOGIC DIAGRAM PRINT OUT SIS AND FGS

The self-documentation function is independent of SCS Manager and each builder; it is thus possible to double-check that the applications have been created as intended.

Self-documentation prints out the source files of the work database in an SCS project.

3.1 SIS CONTROLLER SCS0110 LOGIC PRINT OUT

Refer Attachment-1 SCS0110 Controller Logic Print Out

3.2 FGS CONTROLLER SCS0120 LOGIC PRINT OUT

Refer Attachment-2 FGS Controller SCS0120 Logic Print Out

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1724000594-IN-DG-00026
SIS and FGS Logic Print Out
Attachment-1

MYRSPJT
SCS0110

AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 1
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL 103
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		

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3. POU

3.1. REV_HIS (* Rev History - Application Program Rev Information *)

1.0.0

```
************************************************************GENERAL INFORMATION*************************************************************

Project Name: Base Load Power Hub (BLPH)

Company Project Number: E366772C00

Contractor Project number: CW-I-WP4-2023-05

Yokogawa Affiliate: YOKOGAWA ITALIA SRL - ITALY

ORIGINATOR : DAMINI.D
APPROVER : ALESSANDRO
REVIEWER : MANOJKUMAR.P

project purpose: SIS APPLICATION

Process Units: -

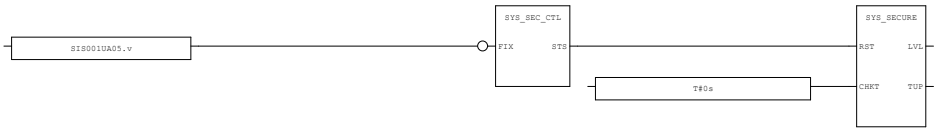
************************************************************CURRENT REVISION****************************************************************

1.0 : ISSUED FOR HARDWARE PRE-FAT
1.1 : ISSUED FOR IMPLEMENTATION COMPLETED
1.2 : ISSUED FOR SW PREFAT
1.3 : ISSUED FOR SW PREFAT PUNCH CLOSURE
2.0 : ISSUED FOR FAT
3.0 : END OF FAT
```

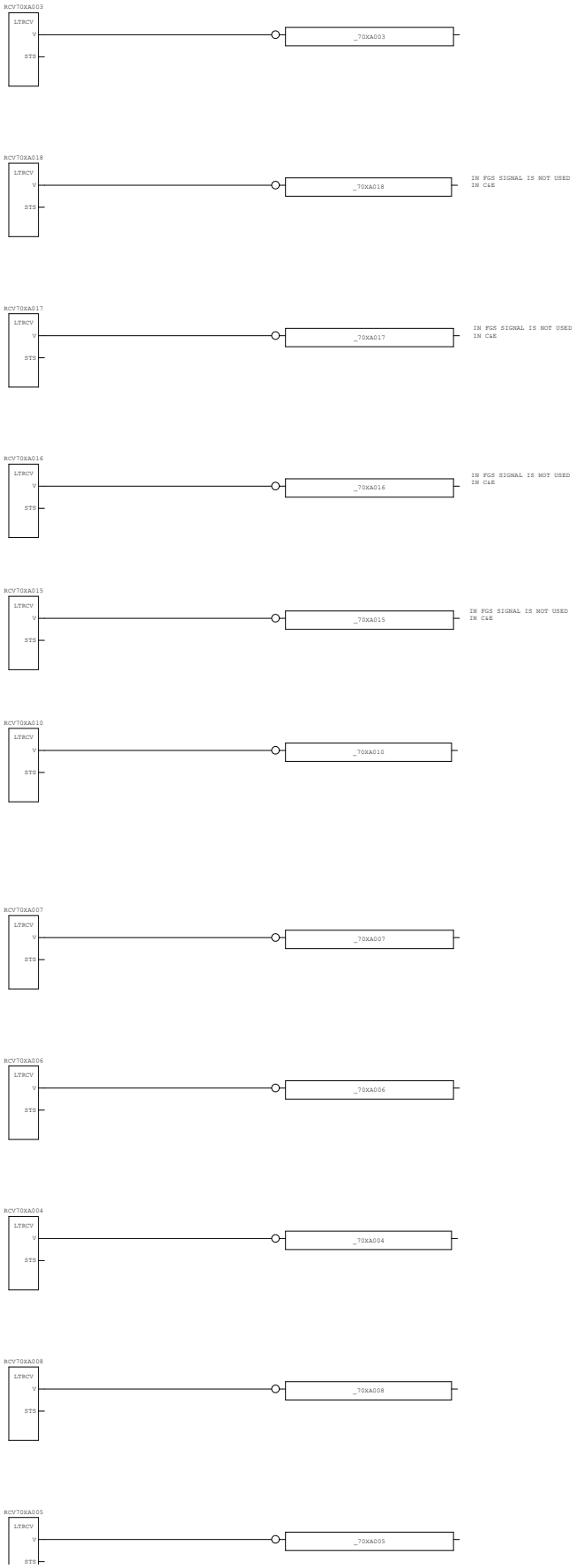
3.2. DIAG_SYS (* System Diagnostic *)

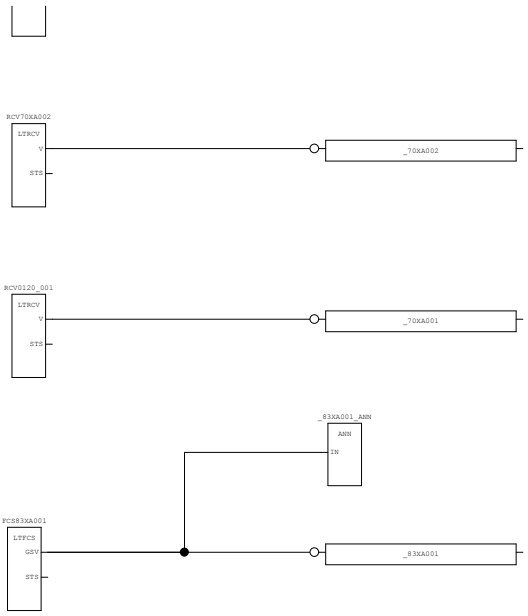
1.0.0

SCS0110_SYS_SEC PROGRAM SYSTEM ENABLE



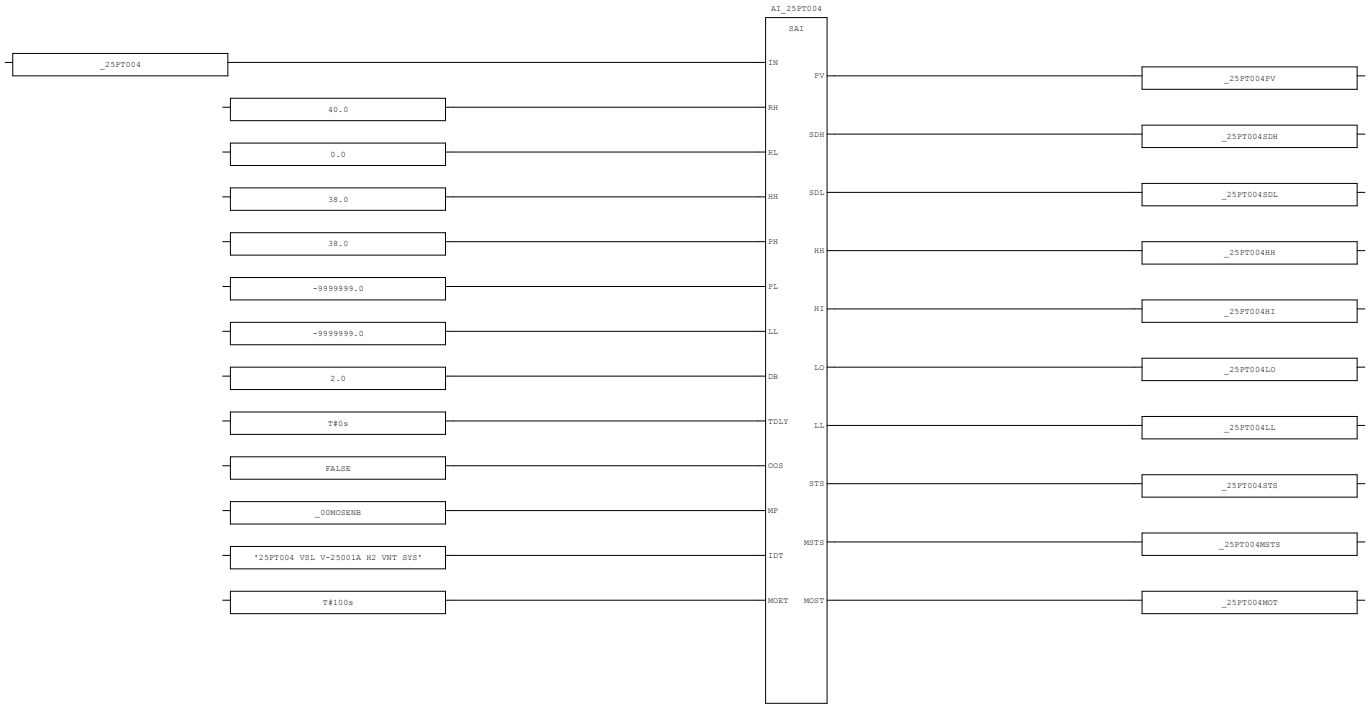
3.3. RECV (* Signal Transfer - Receive *)

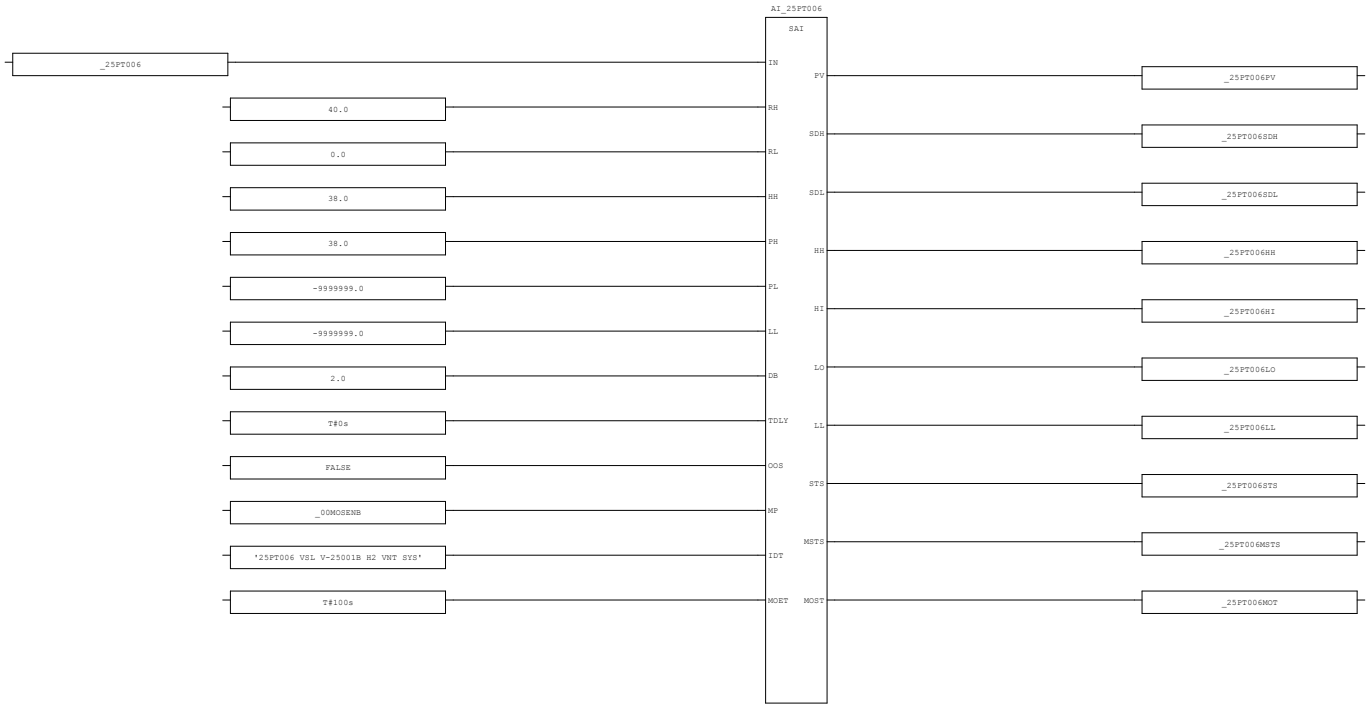


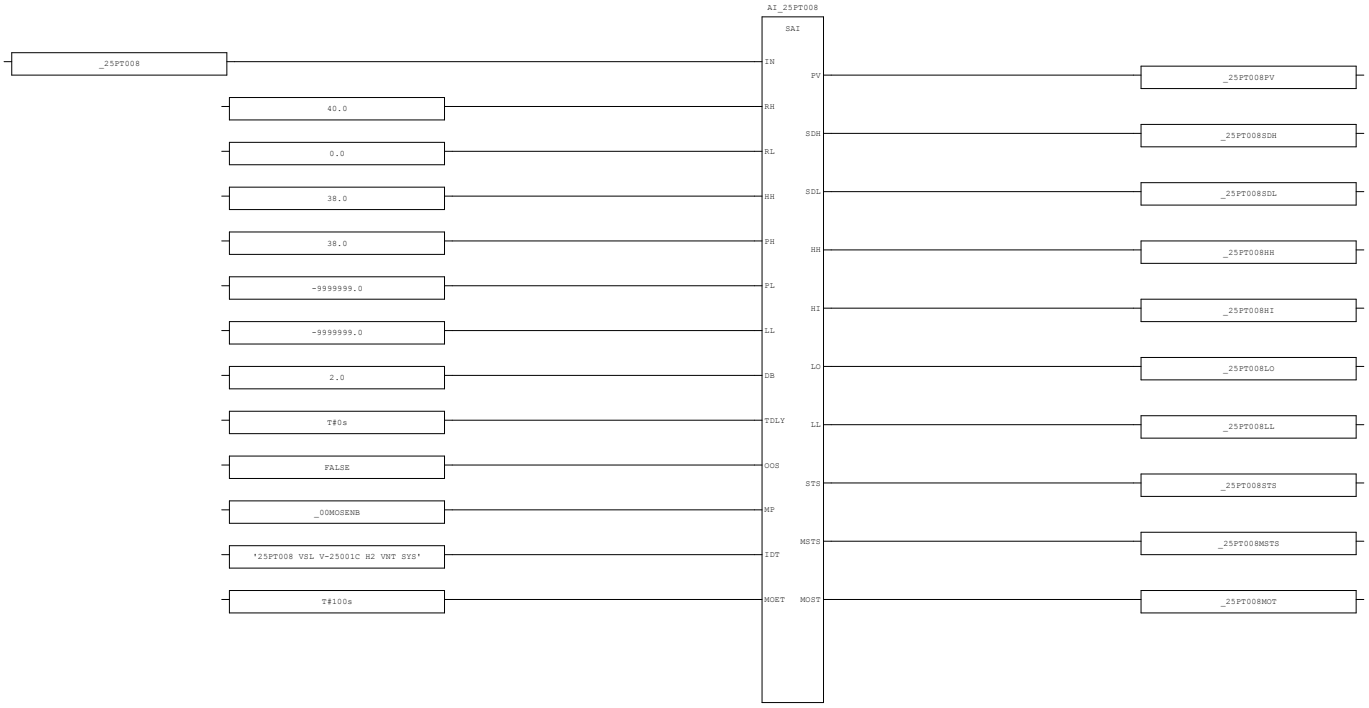


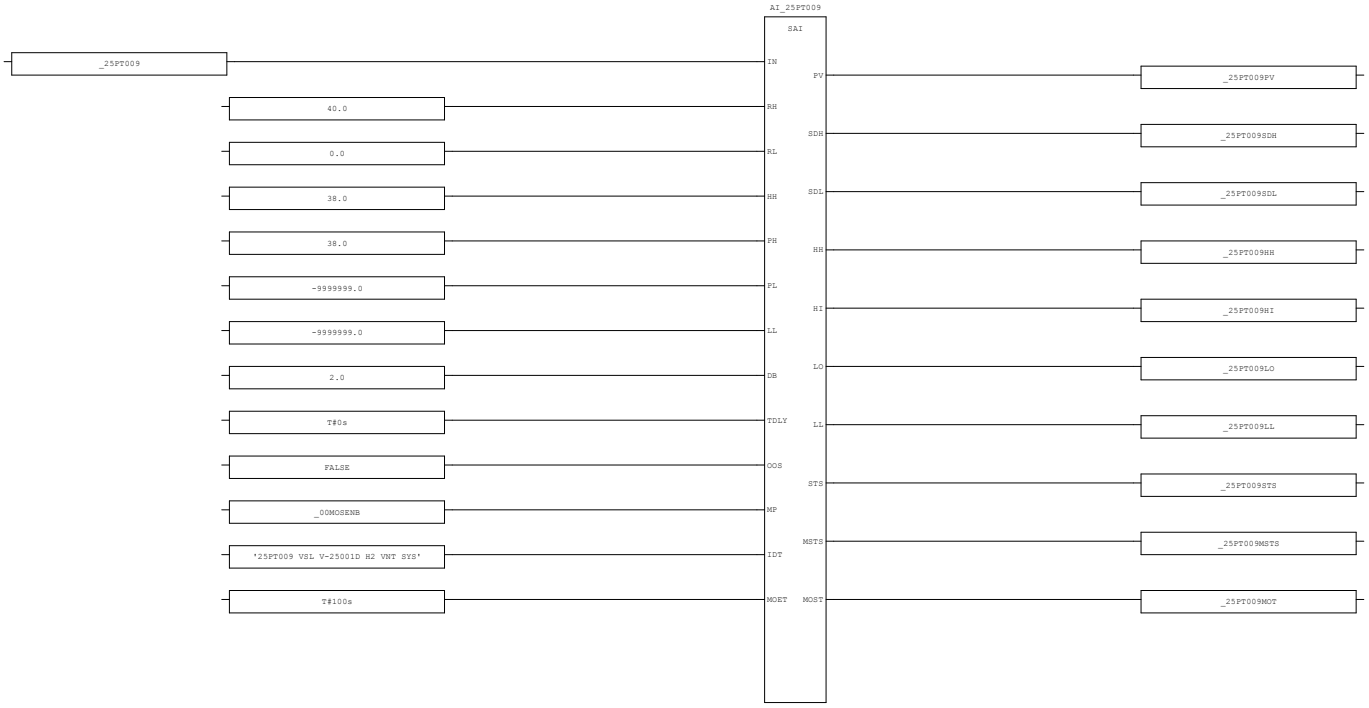
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 7
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

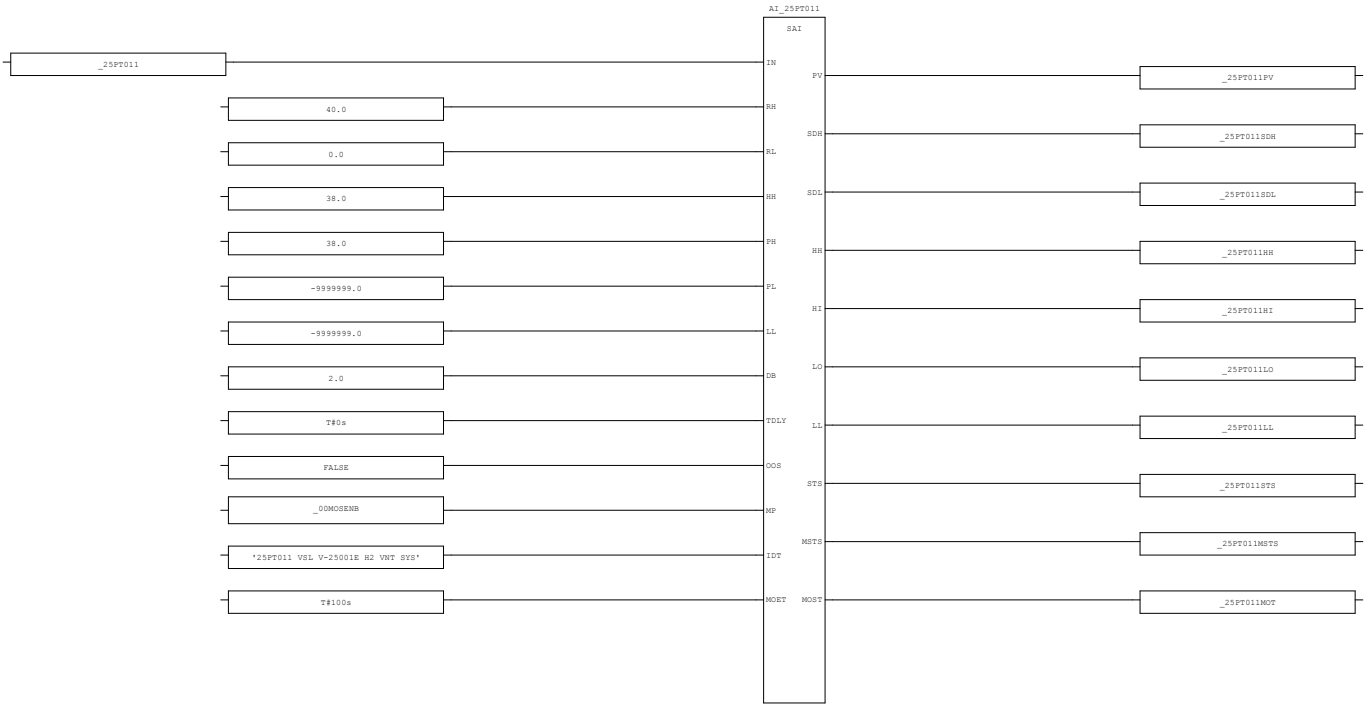
3.4. AI_01 (* Analog Input Processing *)





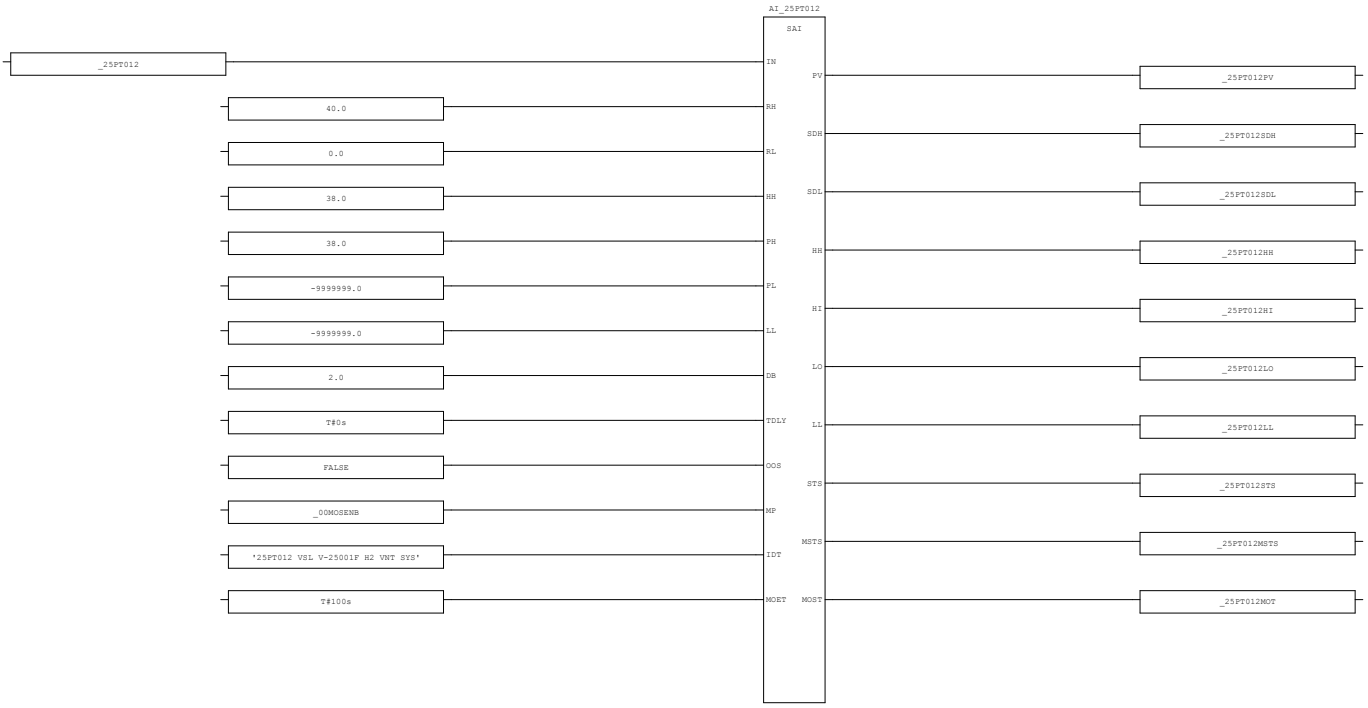

AI_25PT008
SAI
_25PT008
40.0
0.0
38.0
38.0
-9999999.0
-9999999.0
2.0
T#0s
FALSE
_00MOSENB
'25PT008 VSL V-25001C H2 VNT SYS'
T#100s
IN
RH
RL
HH
PH
PL
LL
DB
TDLY
OOS
MP
IDT
MOET
PV
SDH
SDL
HH
HI
LO
LL
STS
MSTS
MOST
_25PT008PV
_25PT008SDH
_25PT008SDL
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_25PT008HI
_25PT008LO
_25PT008LL
_25PT008STS
_25PT008MSTS
_25PT008MOT

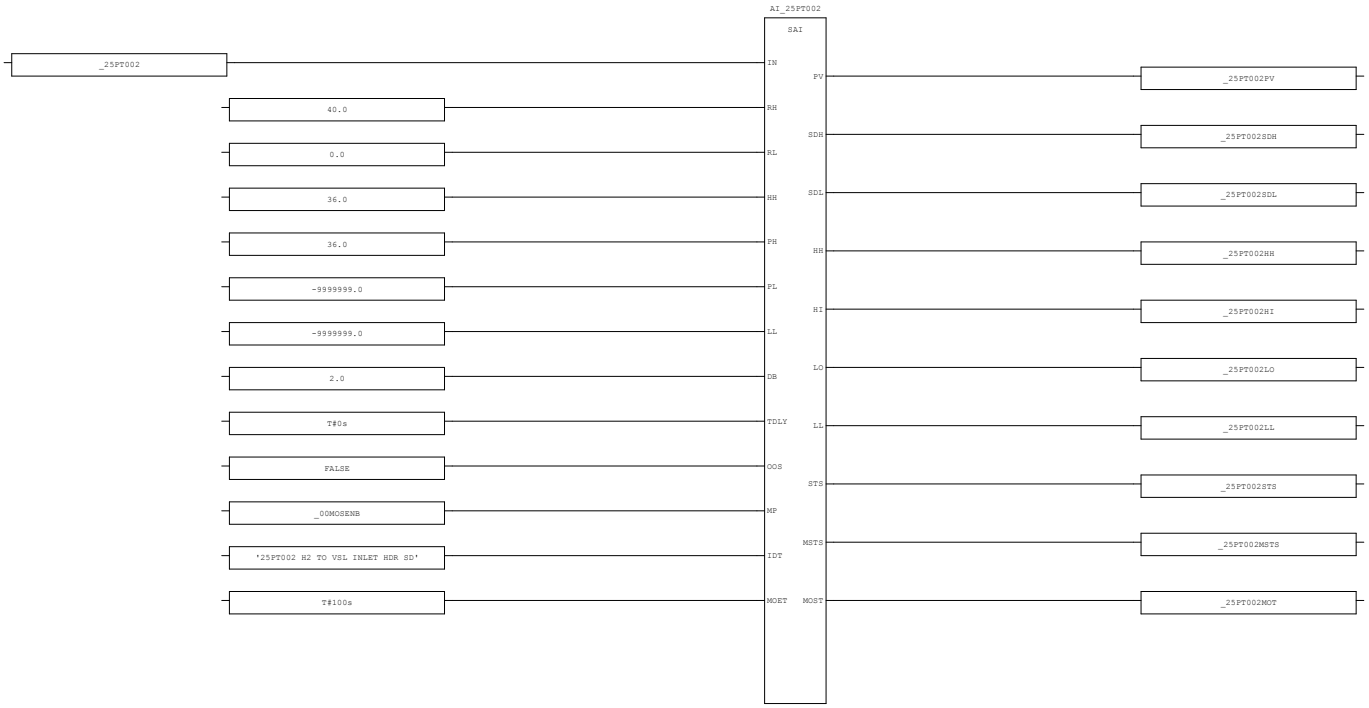

AI_25PT009
SAI
_25PT009
40.0
0.0
38.0
38.0
-9999999.0
-9999999.0
2.0
T#0s
FALSE
_00MOSENB
'25PT009 VSL V-25001D H2 VNT SYS'
T#100s
IN
RH
RL
HH
PH
PL
LL
DB
TDLY
OOS
MP
IDT
MOET
PV
SDH
SDL
HH
HI
LO
LL
STS
MSTS
MOST
_25PT009PV
_25PT009SDH
_25PT009SDL
_25PT009HH
_25PT009HI
_25PT009LO
_25PT009LL
_25PT009STS
_25PT009MSTS
_25PT009MOT

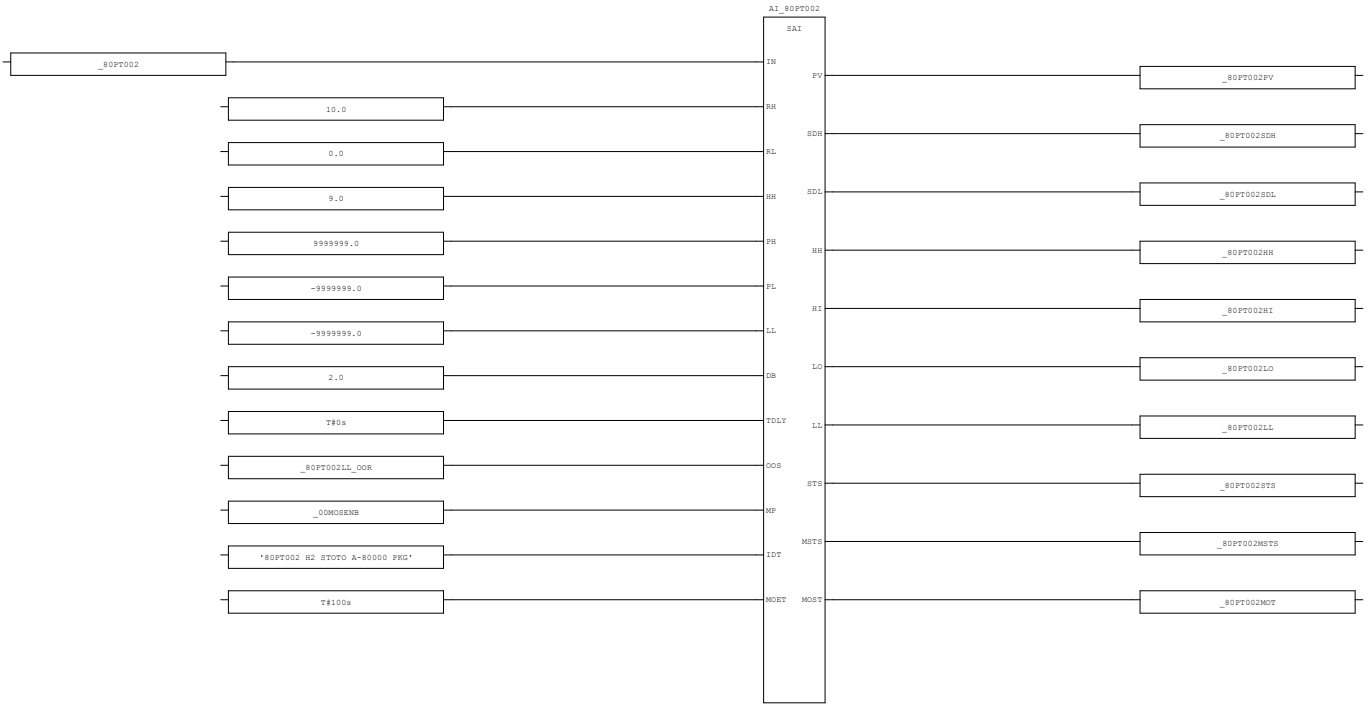


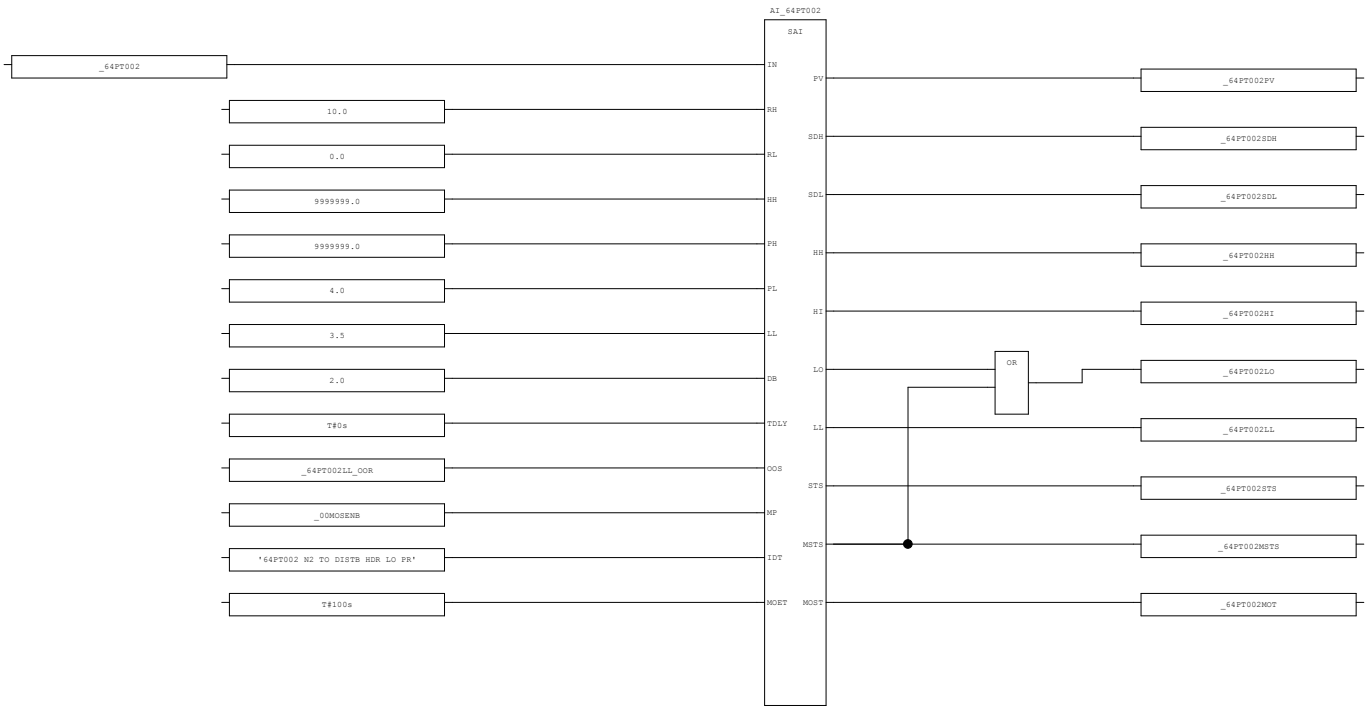
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:10
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.5. AI_02 (* Analog Input Processing *)

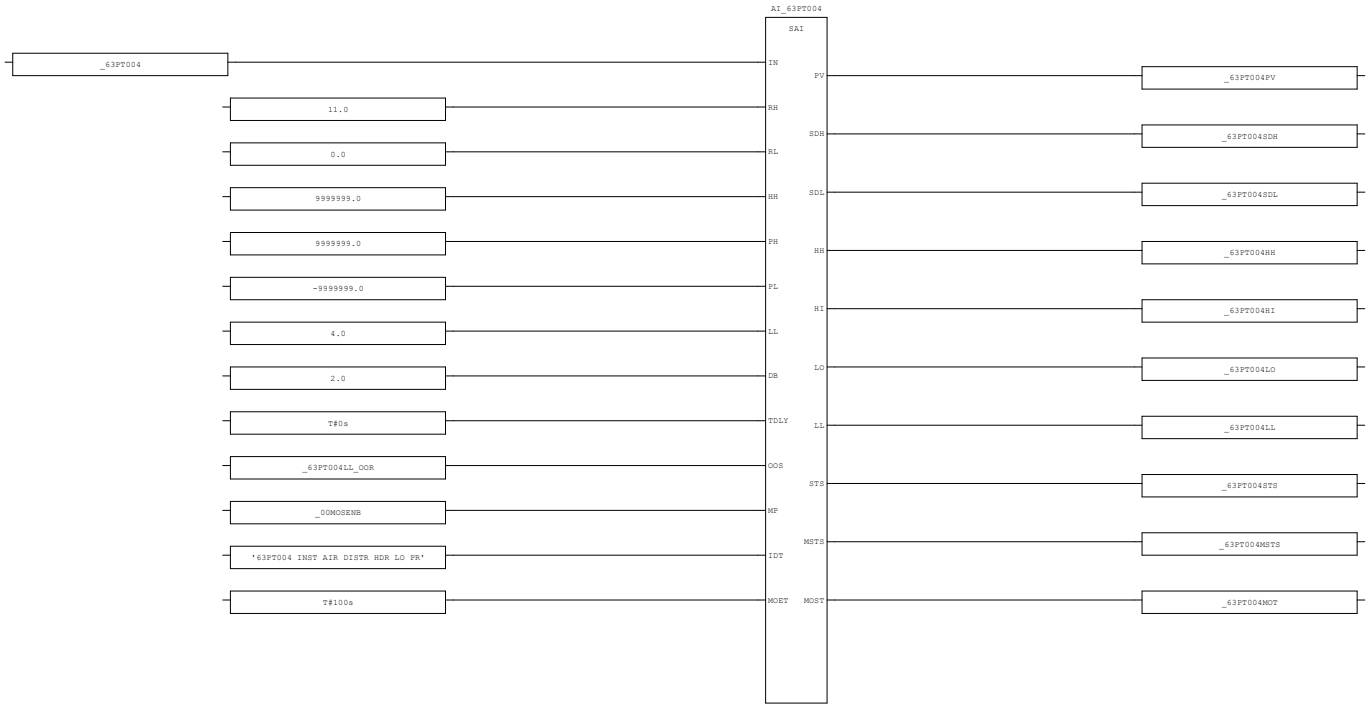


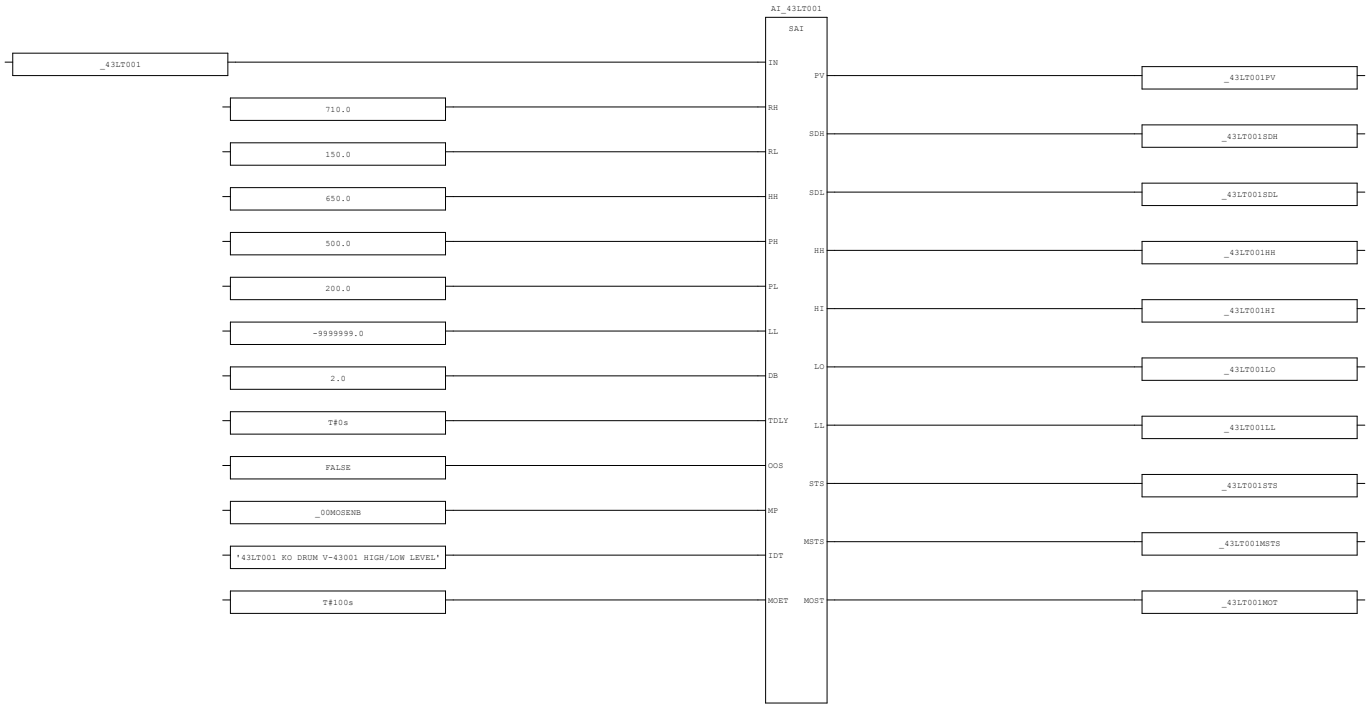




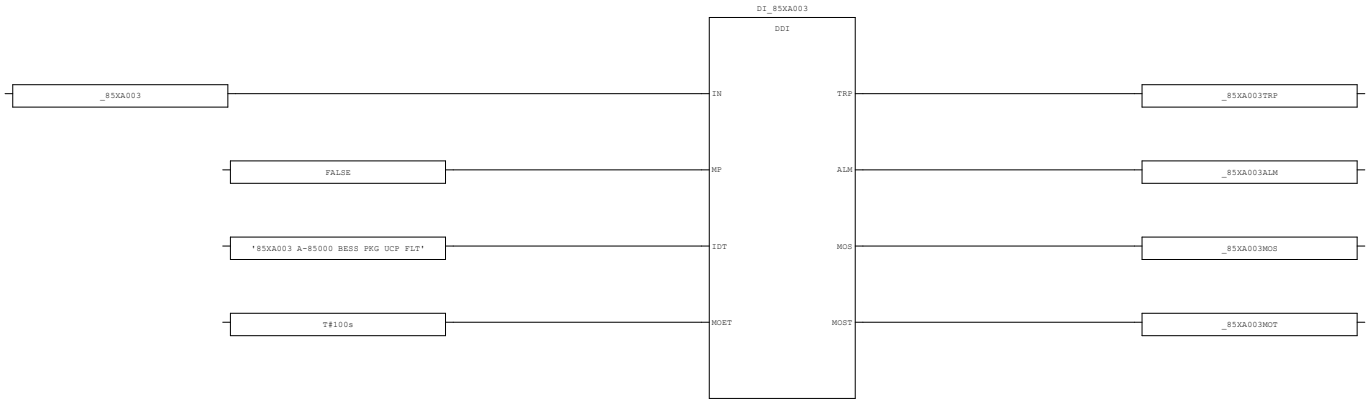


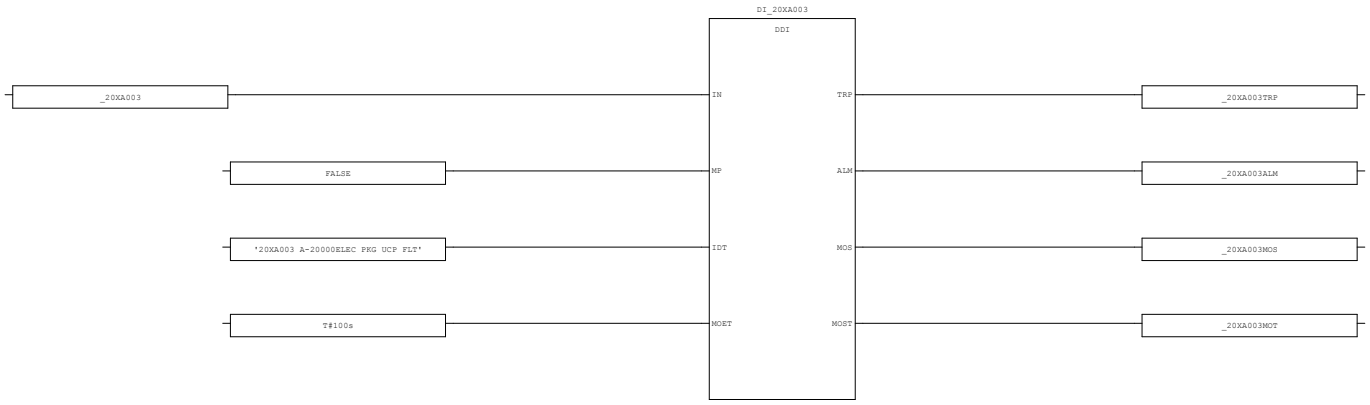
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:12
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

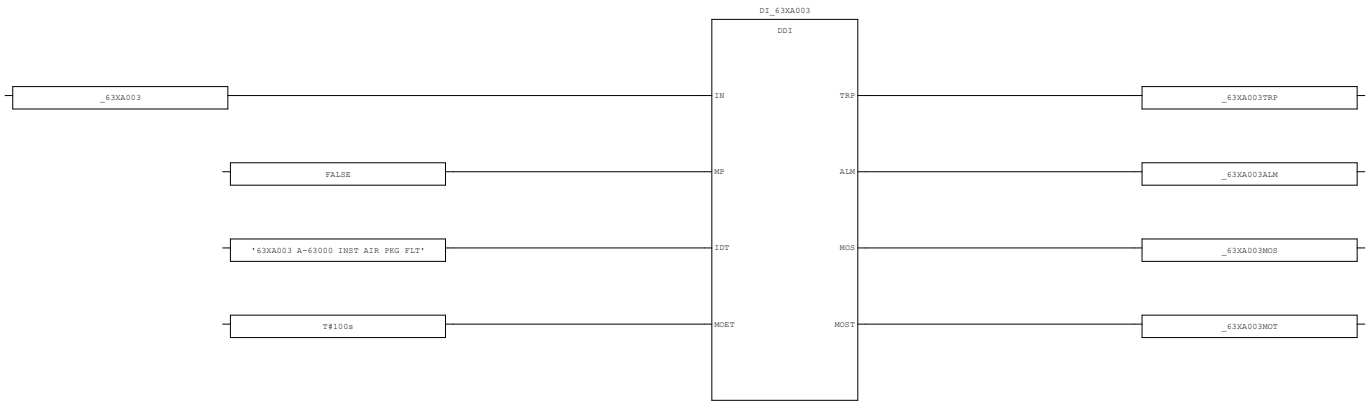

AI_63PT004
SAI
_63PT004
IN
11.0
RH
0.0
RL
9999999.0
HH
9999999.0
PH
-9999999.0
PL
4.0
LL
2.0
DB
T#0s
TDLY
_63PT004LL_OOR
OOS
_00MOSENB
MP
'63PT004 INST AIR DISTR HDR LO PR'
IDT
T#100s
MOET
PV
_63PT004PV
SDH
_63PT004SDH
SDL
_63PT004SDL
HH
_63PT004HH
HI
_63PT004HI
LO
_63PT004LO
LL
_63PT004LL
STS
_63PT004STS
MSTS
_63PT004MSTS
MOST
_63PT004MOT

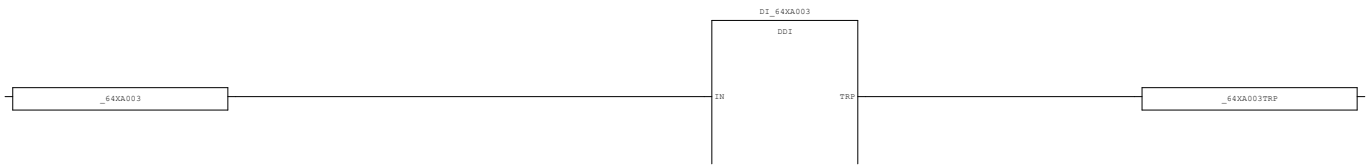

AI_43LT001
SAI
_43LT001
IN
710.0
RH
150.0
RL
650.0
HH
500.0
PH
200.0
PL
-9999999.0
LL
2.0
DB
T#0s
TDLY
FALSE
OOS
_00MOSENB
MP
'43LT001 KO DRUM V-43001 HIGH/LOW LEVEL'
IDT
T#100s
MOET
PV
_43LT001PV
SDH
_43LT001SDH
SDL
_43LT001SDL
HH
_43LT001HH
HI
_43LT001HI
LO
_43LT001LO
LL
_43LT001LL
STS
_43LT001STS
MSTS
_43LT001MSTS
MOST
_43LT001MOT

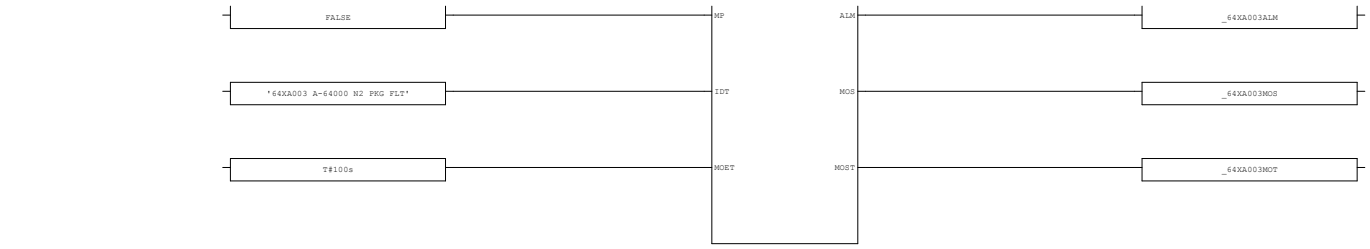
3.6. DI_01 (* Digital Input Processing - DDI *)

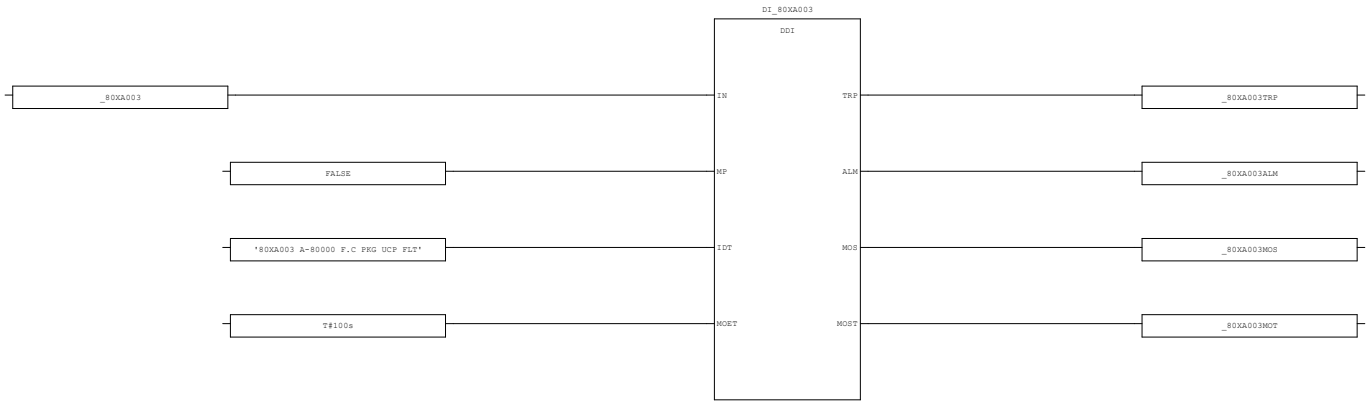


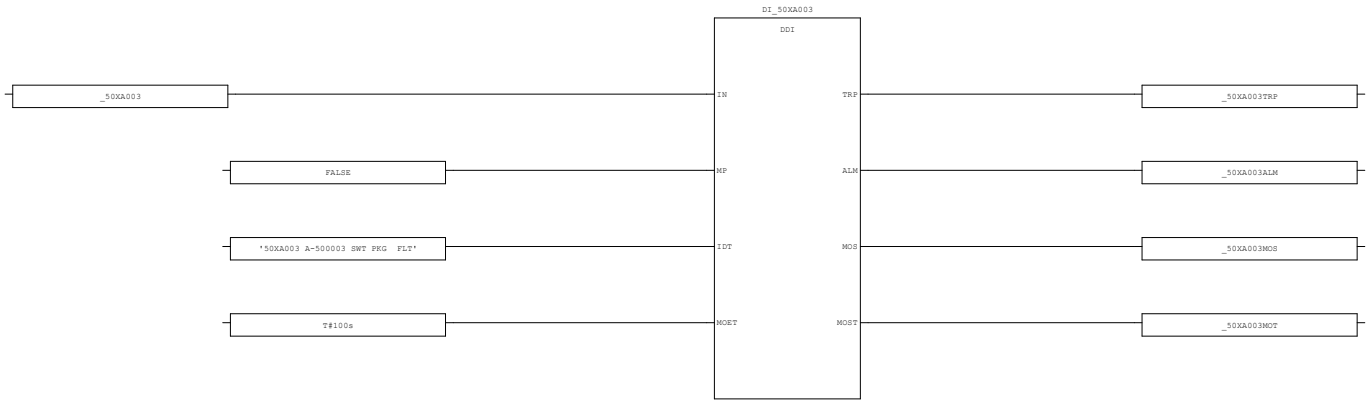


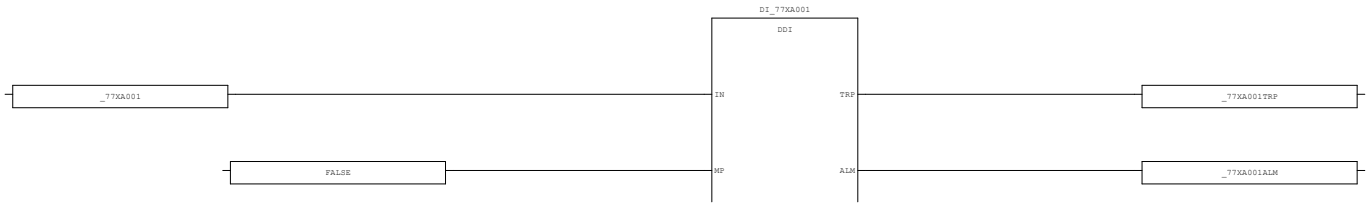


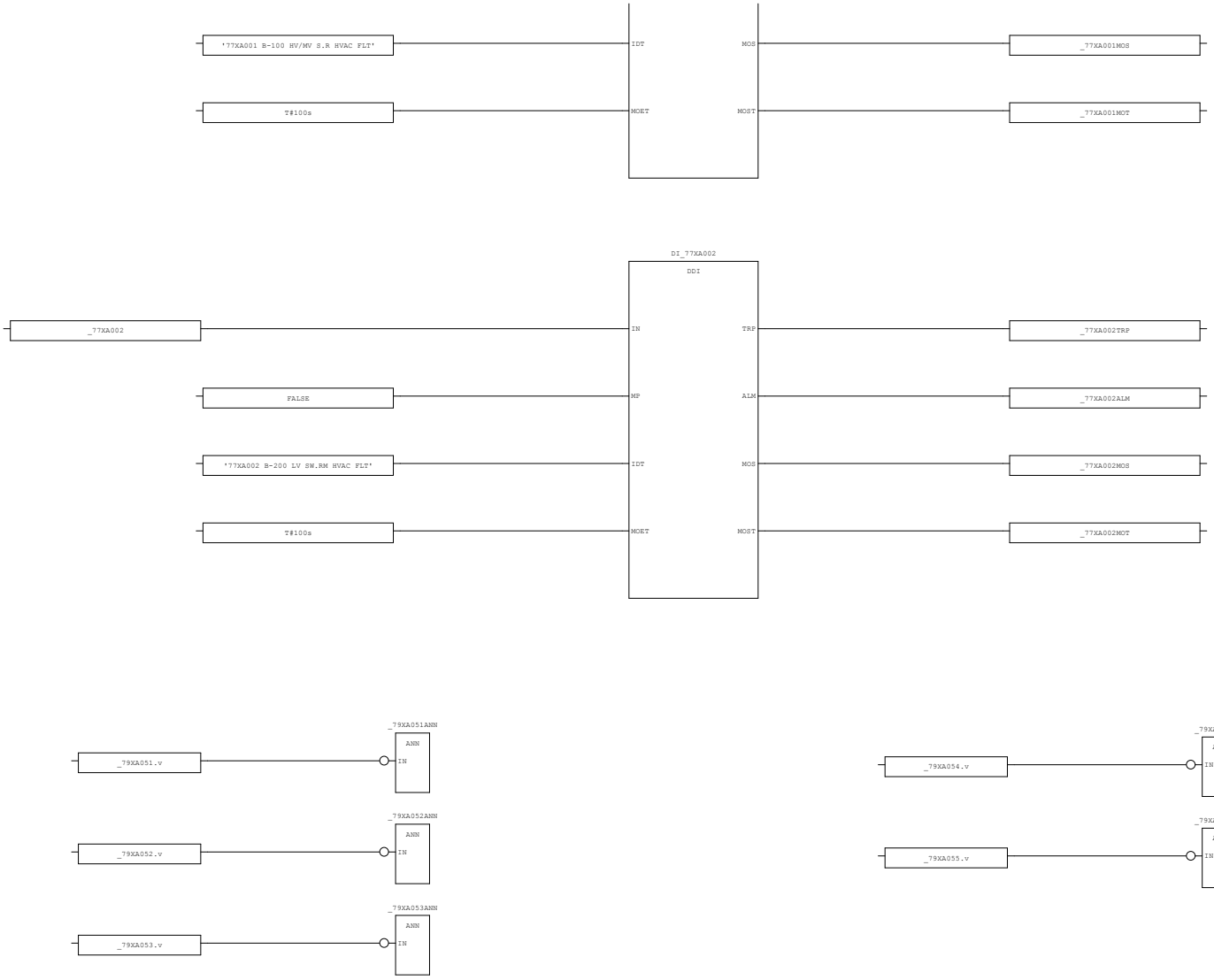



FALSE
'64XA003 A-64000 N2 PKG FLT'
T#100s
MP
IDT
MOET
ALM
MOS
MOST
_64XA003ALM
_64XA003MOS
_64XA003MOT


DI_80XA003
DDI
_80XA003
FALSE
'80XA003 A-80000 F.C PKG UCP FLT'
T#100s
IN
MP
IDT
MOET
TRP
ALM
MOS
MOST
_80XA003TRP
_80XA003ALM
_80XA003MOS
_80XA003MOT

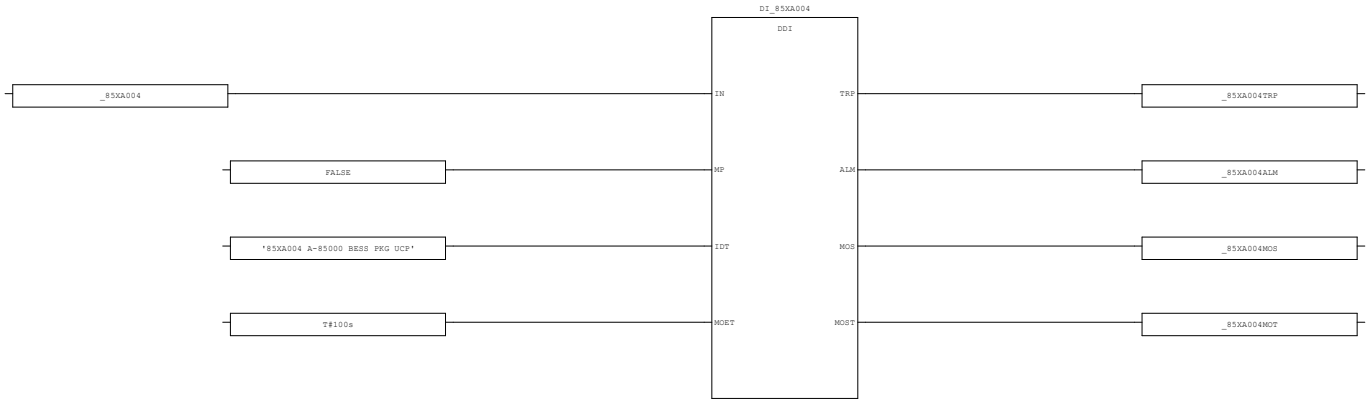

DI_50XA003
DDI
_50XA003
FALSE
'50XA003 A-500003 SWT PKG FLT'
T#100s
IN
MP
IDT
MOET
TRP
ALM
MOS
MOST
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_50XA003ALM
_50XA003MOS
_50XA003MOT

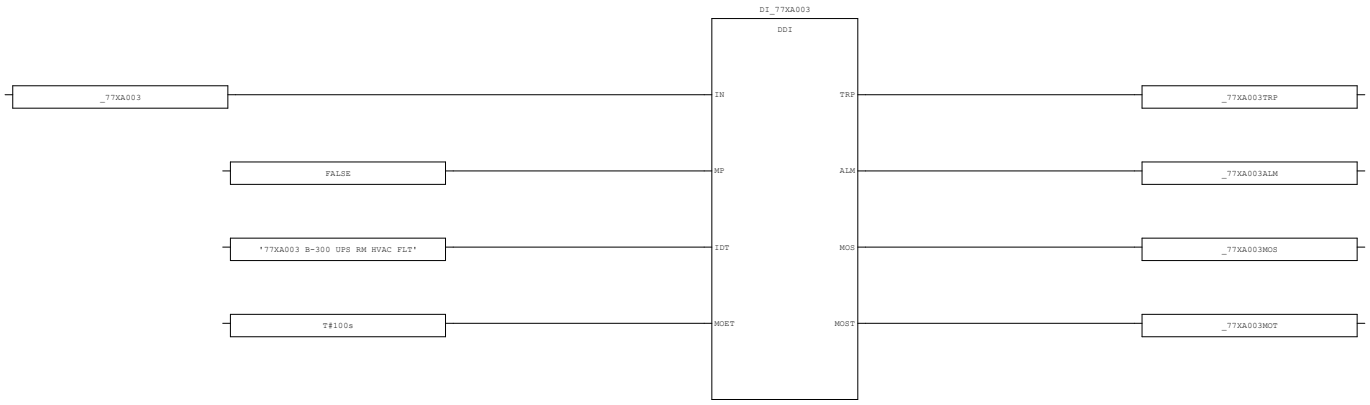

DI_77XA001
DDI
_77XA001
FALSE
IN
MP
TRP
ALM
_77XA001TRP
_77XA001ALM

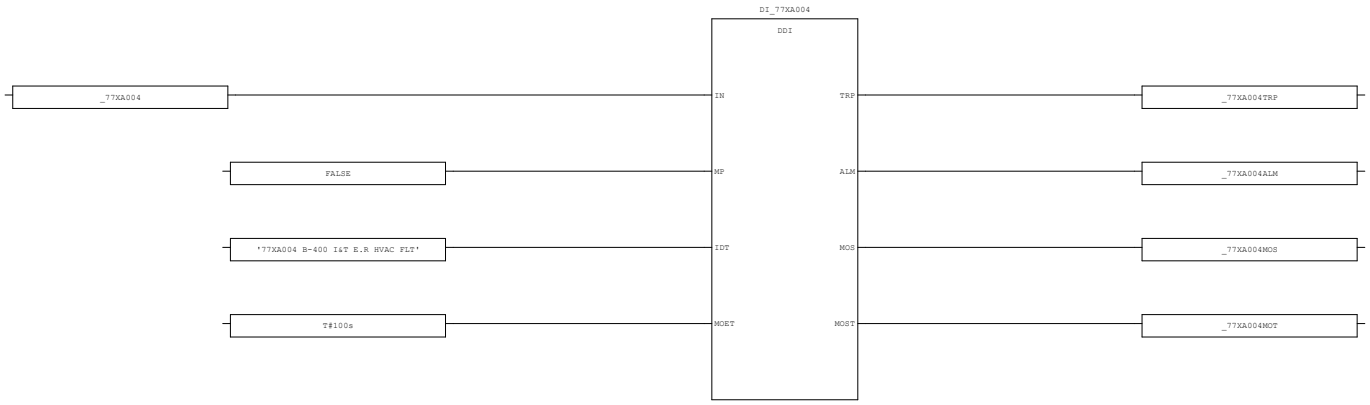


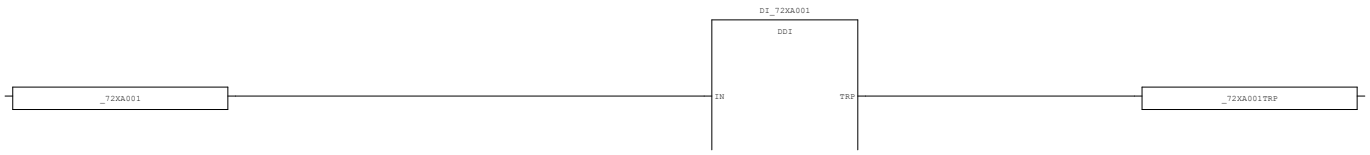
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:16
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

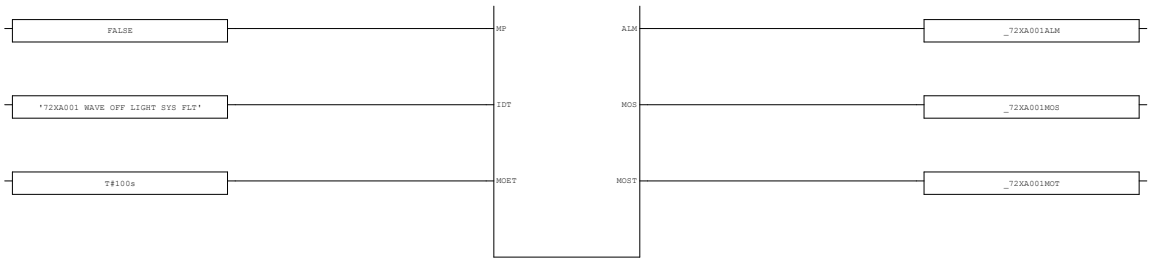
3.7. DI_02 (* Digital Input Processing - DDI *)





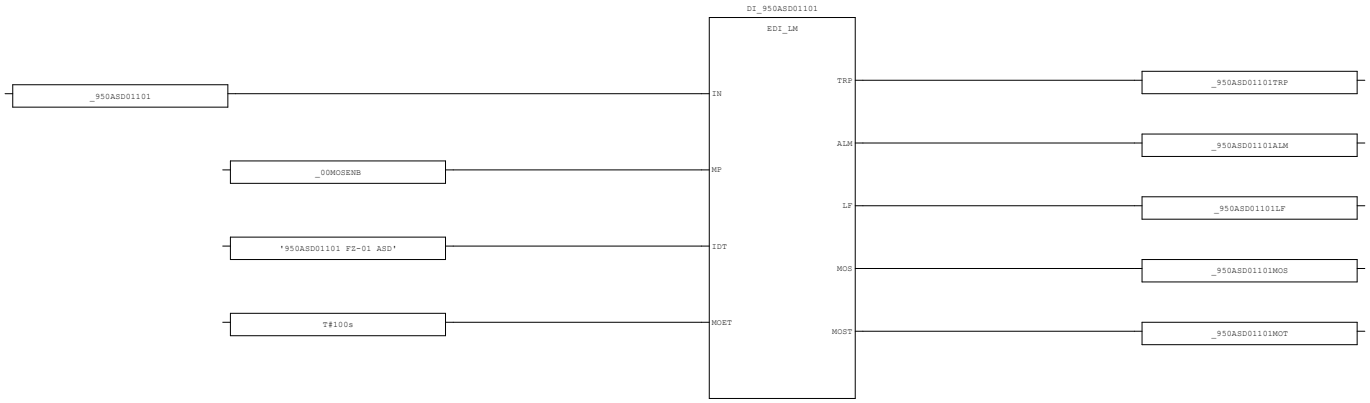


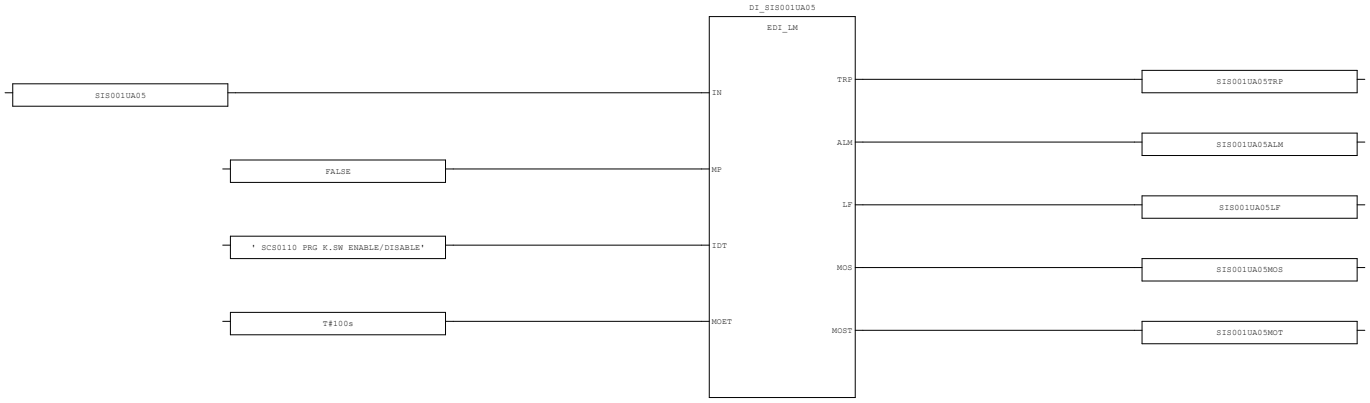


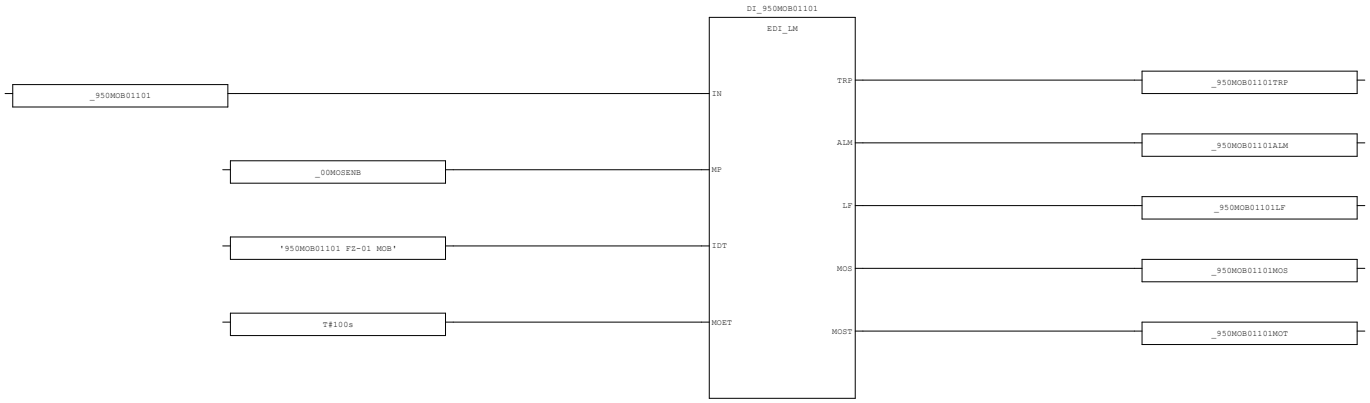


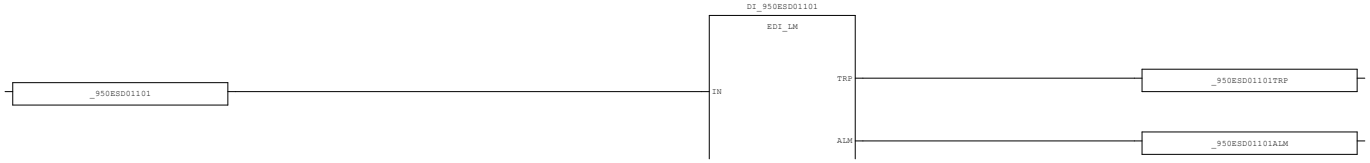
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:18
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 103
				REVISION:	5.4		

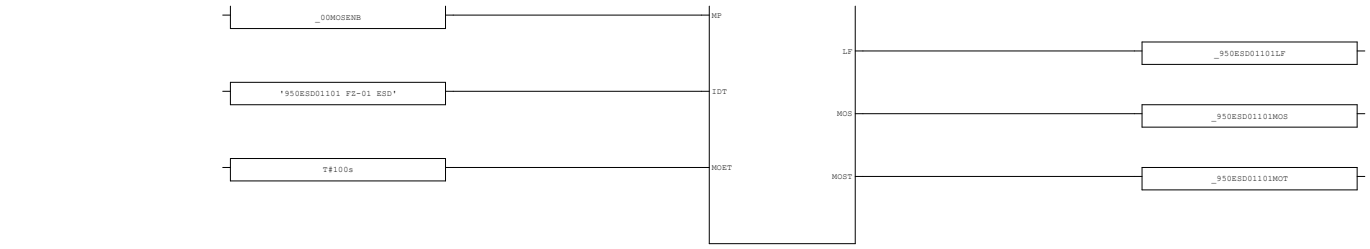
3.8. DI_03 (* Digital Input Processing - EDI *)

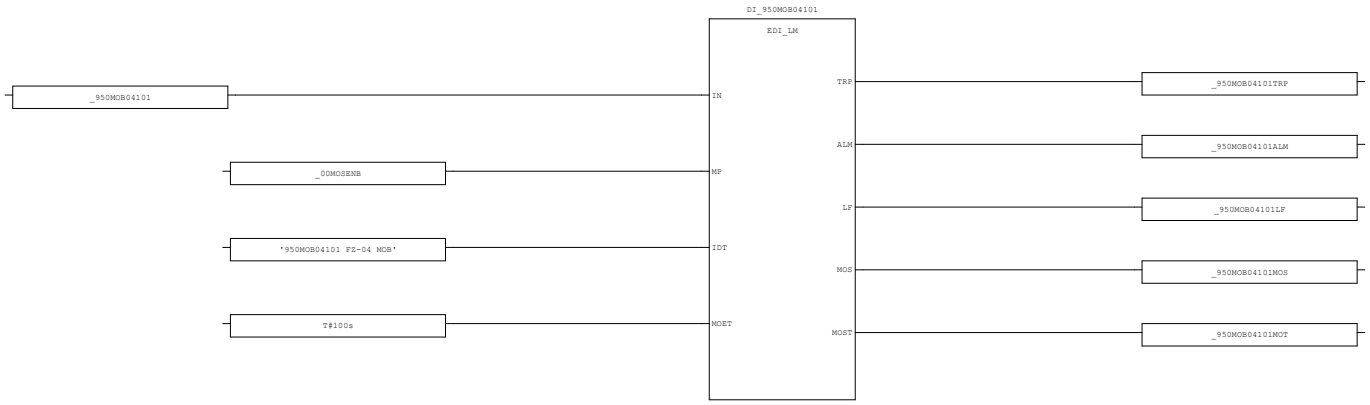


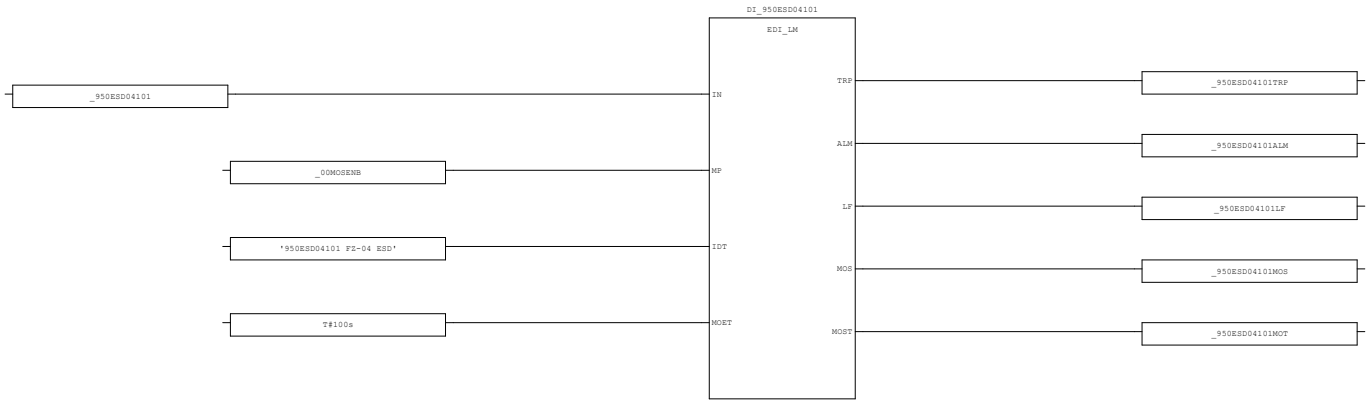


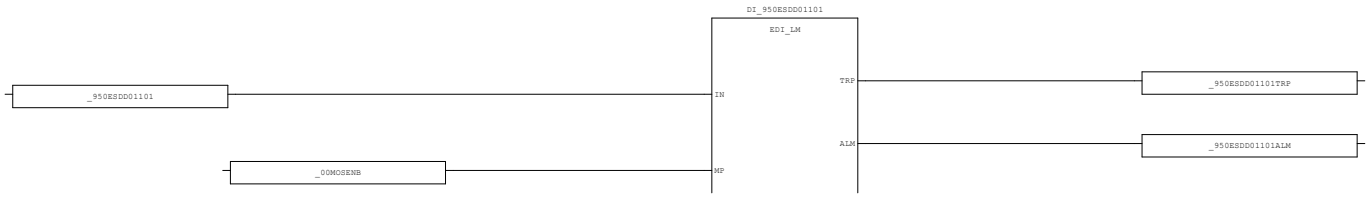


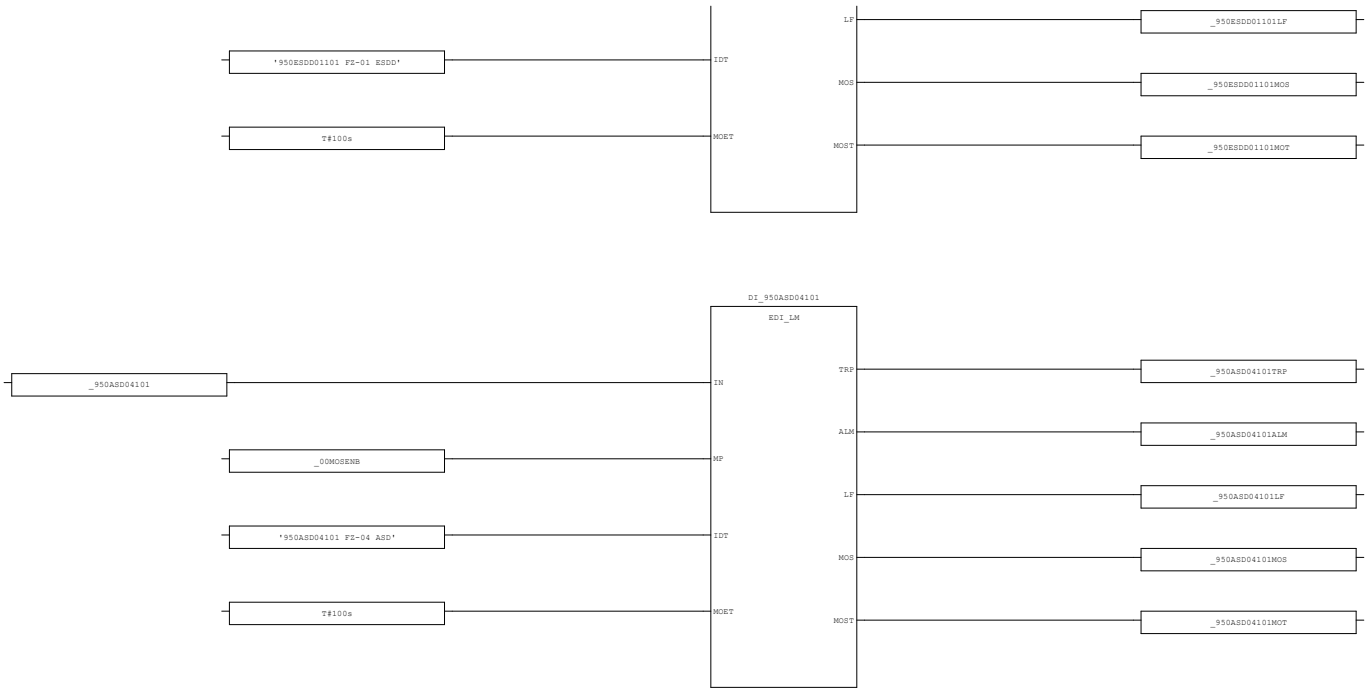



_00MOSENB
'950ESD01101 FZ-01 ESD'
T#100s
MP
IDT
MOET
LF
MOS
MOST
_950ESD01101LF
_950ESD01101MOS
_950ESD01101MOT


DI_950MOB04101
EDI_LM
_950MOB04101
_00MOSENB
'950MOB04101 FZ-04 MOB'
T#100s
IN
MP
IDT
MOET
TRF
ALM
LF
MOS
MOST
_950MOB04101TRF
_950MOB04101ALM
_950MOB04101LF
_950MOB04101MOS
_950MOB04101MOT

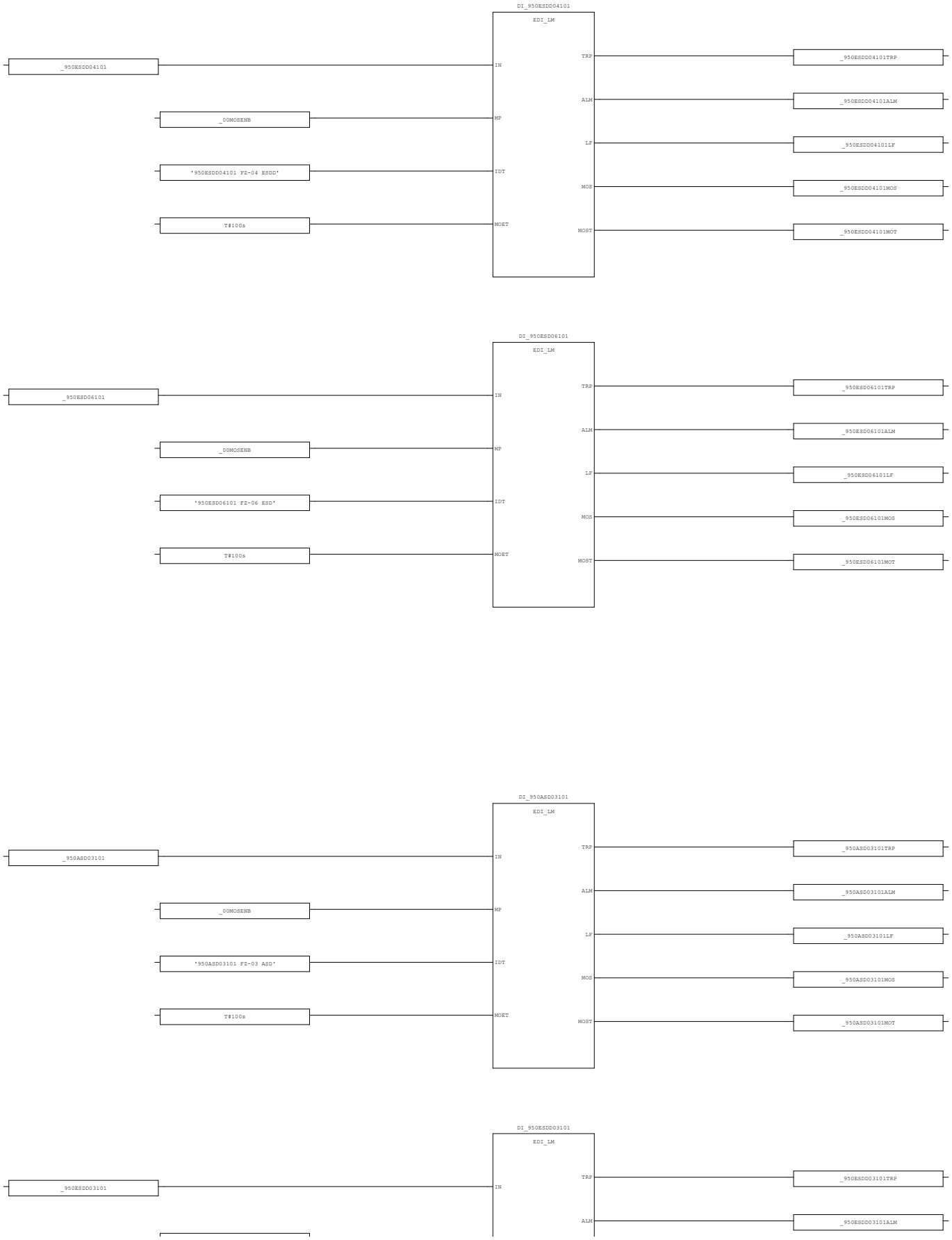

DI_950ESD04101
EDI_LM
_950ESD04101
_00MOSENB
'950ESD04101 FZ-04 ESD'
T#100s
IN
MP
IDT
MOET
TRF
ALM
LF
MOS
MOST
_950ESD04101TRF
_950ESD04101ALM
_950ESD04101LF
_950ESD04101MOS
_950ESD04101MOT

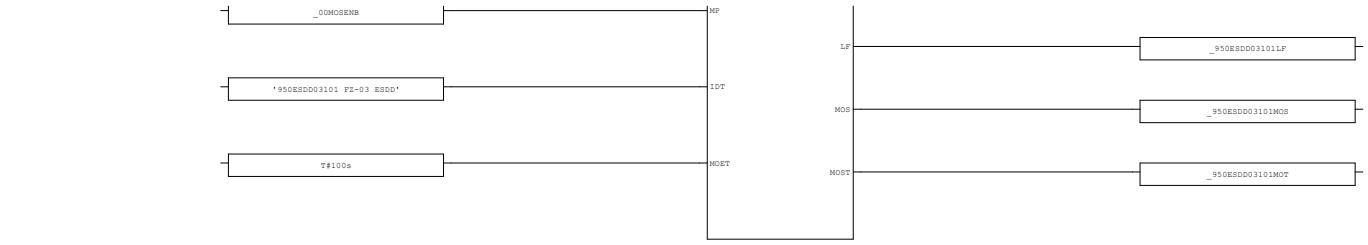

DI_950ESDD01101
EDI_LM
_950ESDD01101
_00MOSENB
IN
MP
TRF
ALM
_950ESDD01101TRF
_950ESDD01101ALM

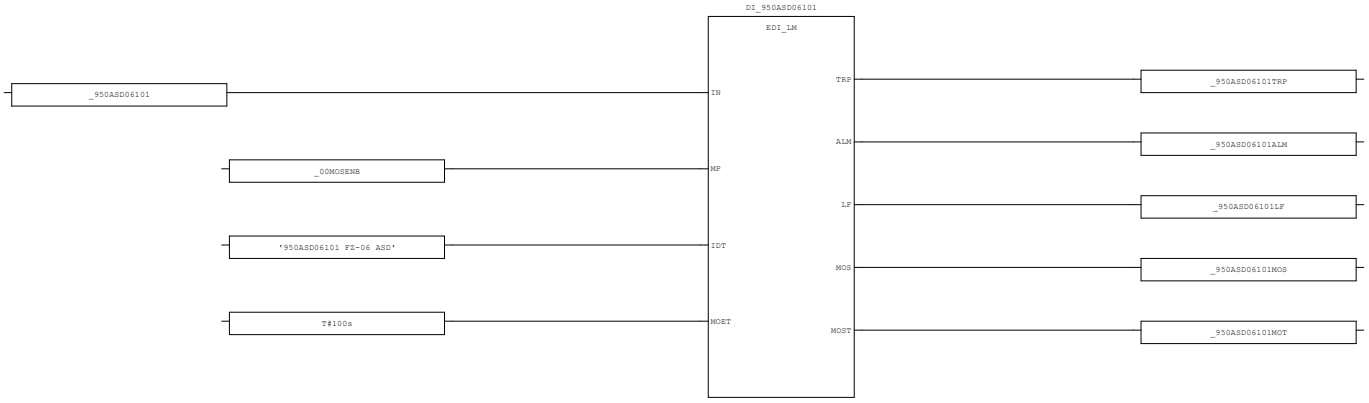

'950ESDD01101 FZ-01 ESDD'
T#100s
IDT
MOET
LF
MOS
MOST
_950ESDD01101LF
_950ESDD01101MOS
_950ESDD01101MOT

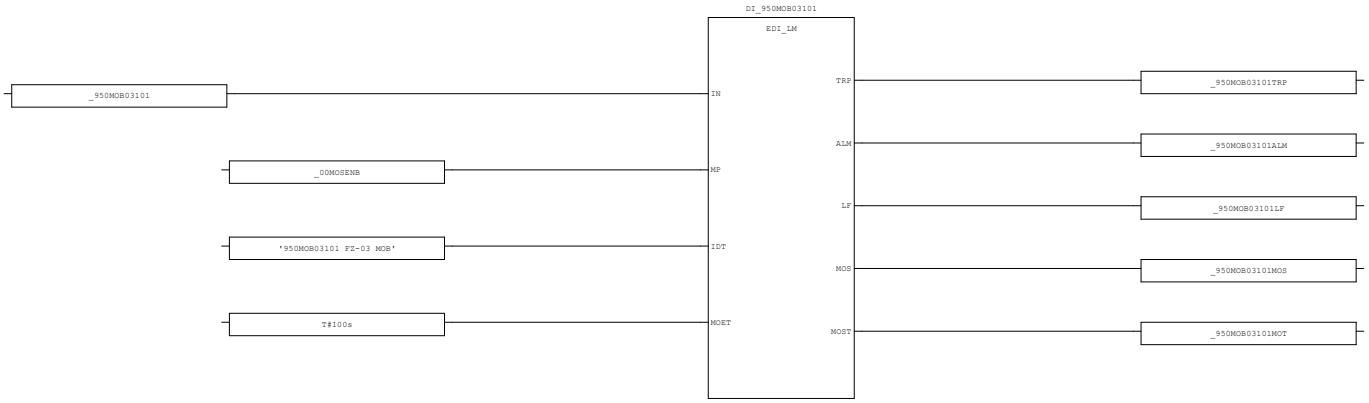
DI_950ASD04101
EDI_LM
_950ASD04101
_00MOSENB
'950ASD04101 FZ-04 ASD'
T#100s
IN
MP
IDT
MOET
TRP
ALM
LF
MOS
MOST
_950ASD04101TRP
_950ASD04101ALM
_950ASD04101LF
_950ASD04101MOS
_950ASD04101MOT

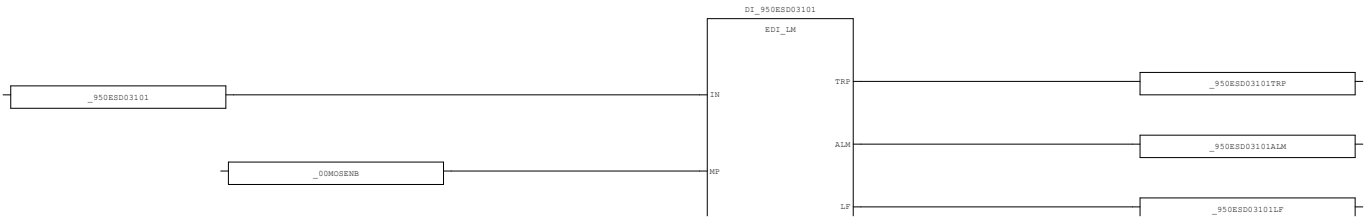
3.9. DI_04 (* Digital Input Processing - EDI *)

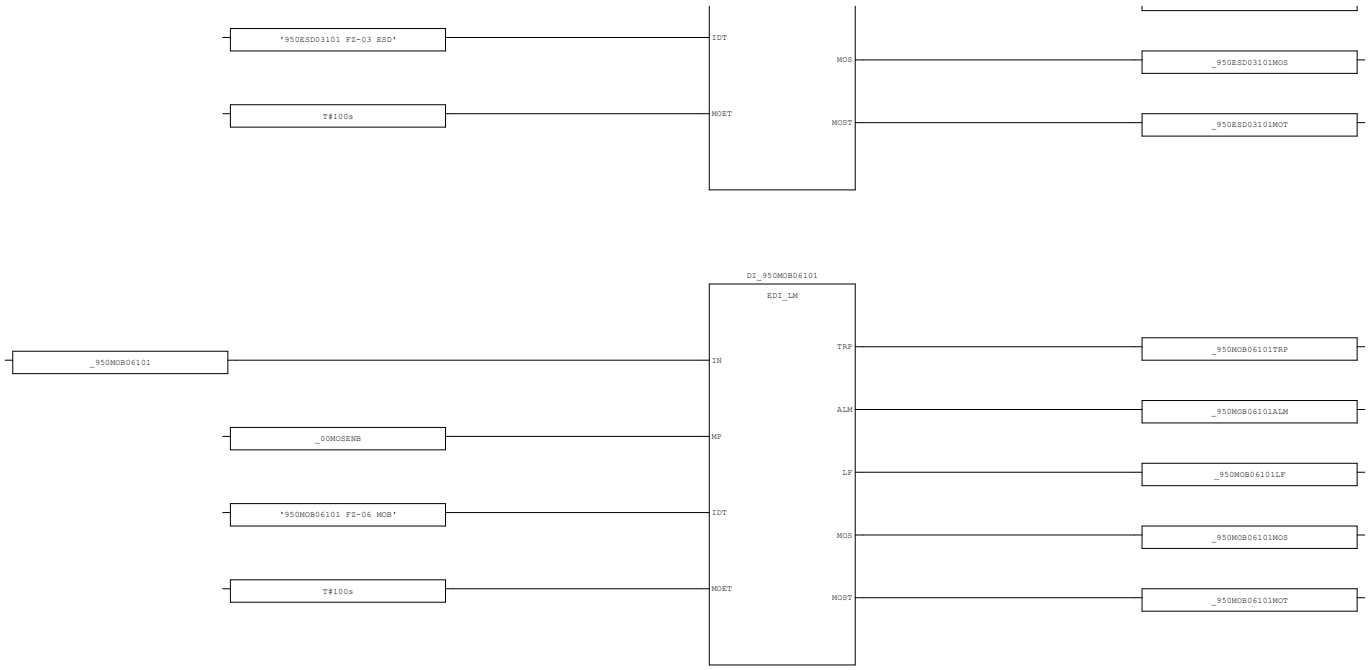



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T#100s
MP
IDT
MOET
LF
MOS
MOST
_950ESDD03101LF
_950ESDD03101MOS
_950ESDD03101MOT


DI_950ASD06101
EDI_LM
_950ASD06101
_00MOSENB
'950ASD06101 FZ-06 ASD'
T#100s
IN
MP
IDT
MOET
TRP
ALM
LF
MOS
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_950ASD06101ALM
_950ASD06101LF
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_950ASD06101MOT

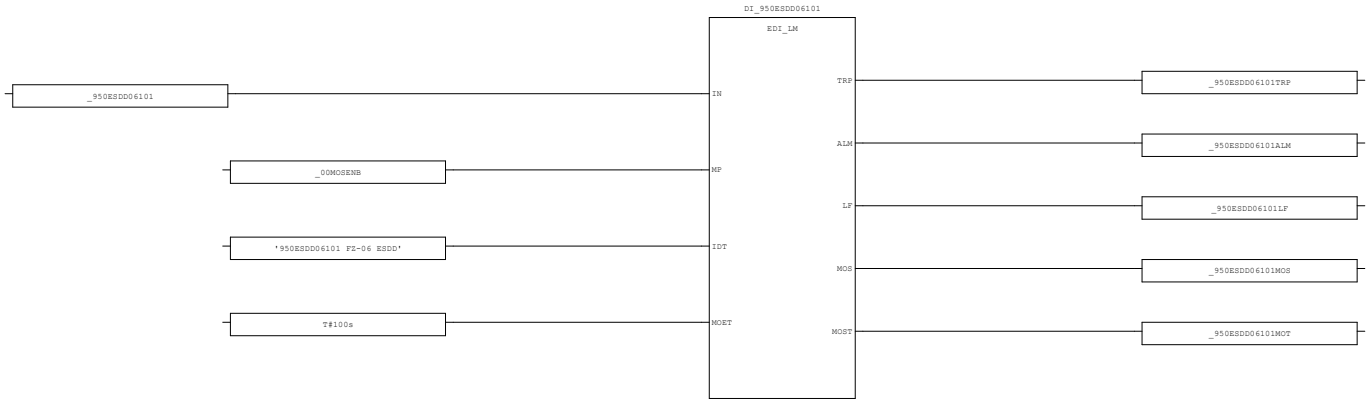

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T#100s
IN
MP
IDT
MOET
TRP
ALM
LF
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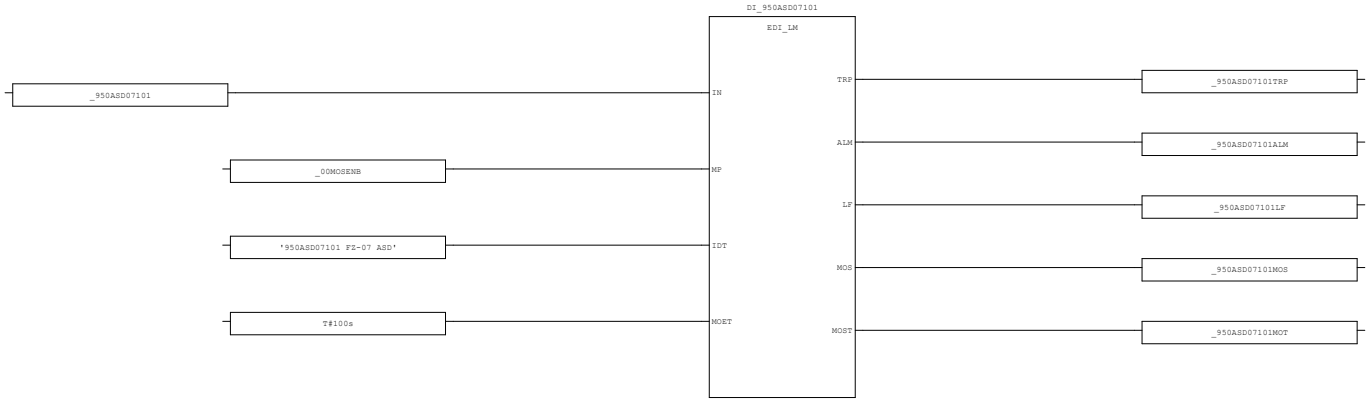

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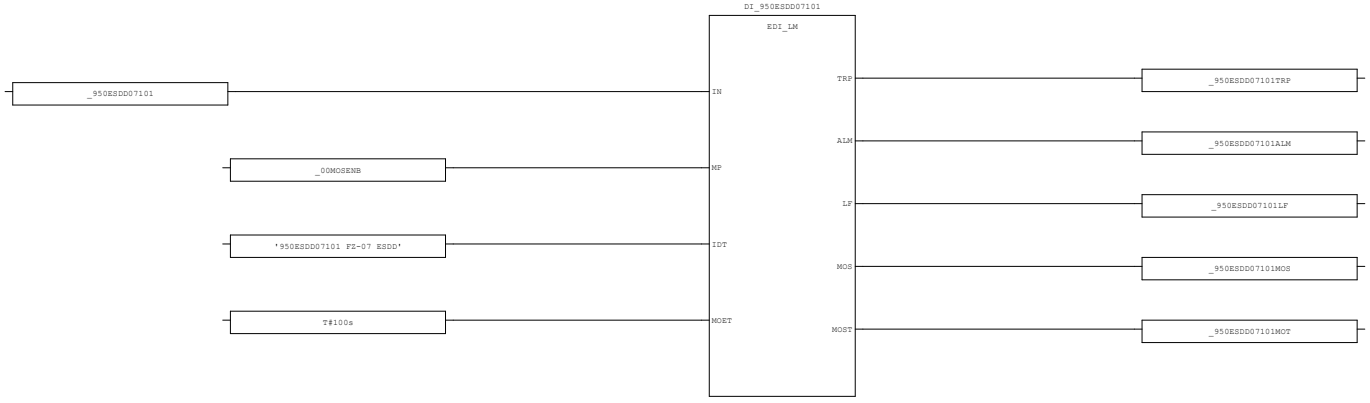

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MDET
MOS
MOST
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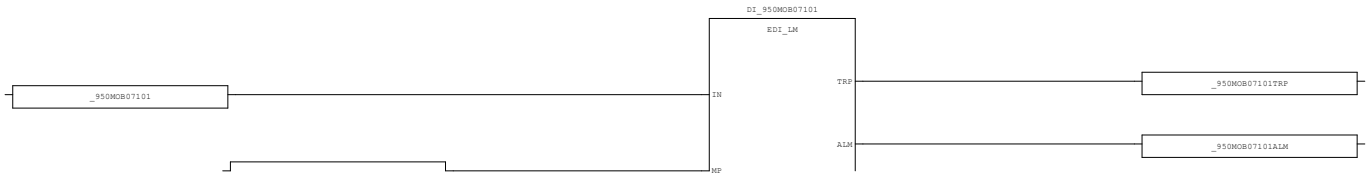
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T#100s
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MP
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TRP
ALM
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_950MOB06101MOT

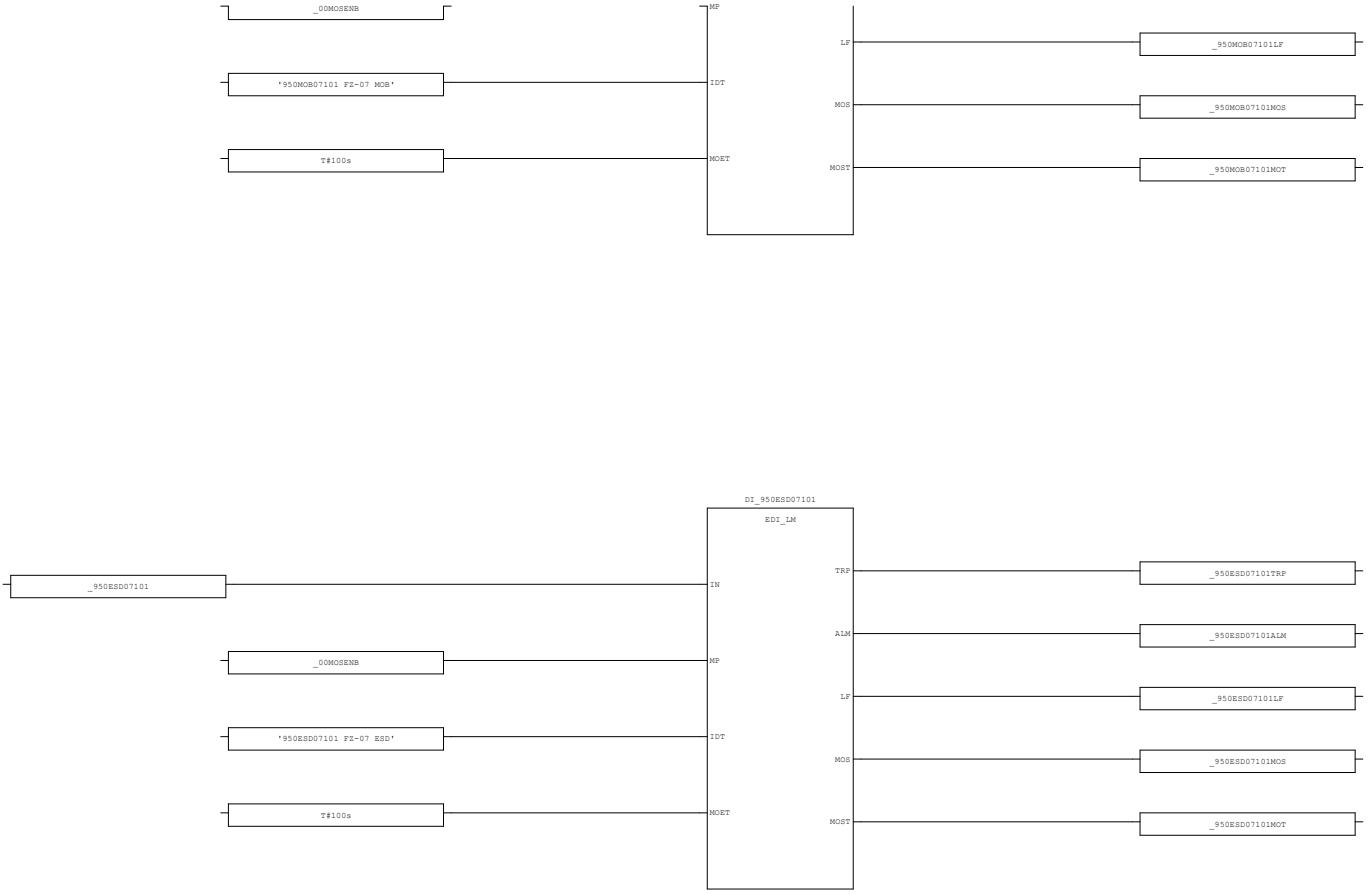
3.10. DI_05 (* Digital Input Processing - EDI *)





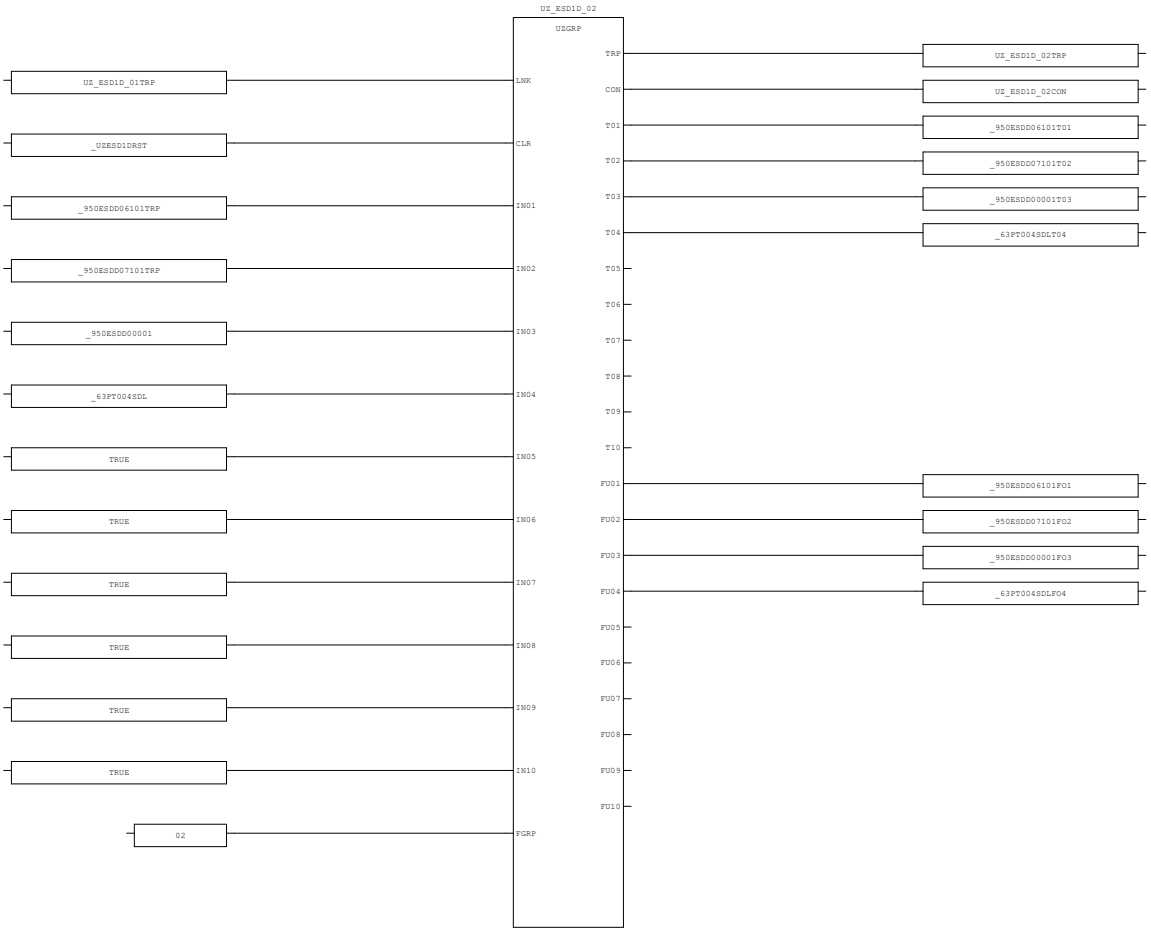


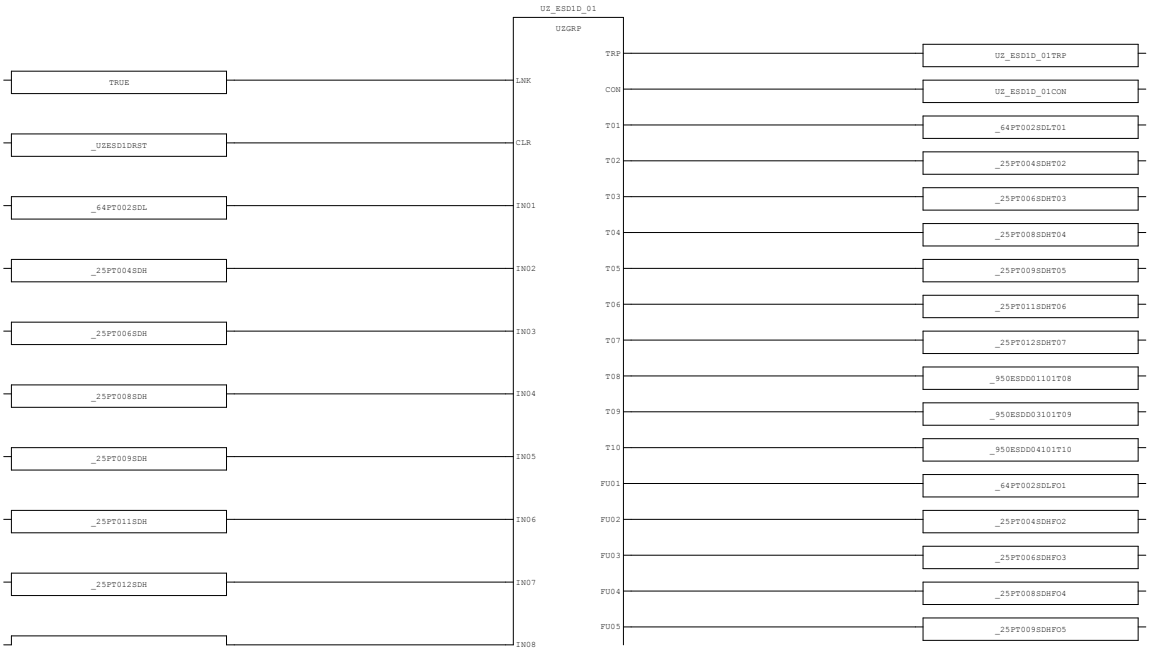


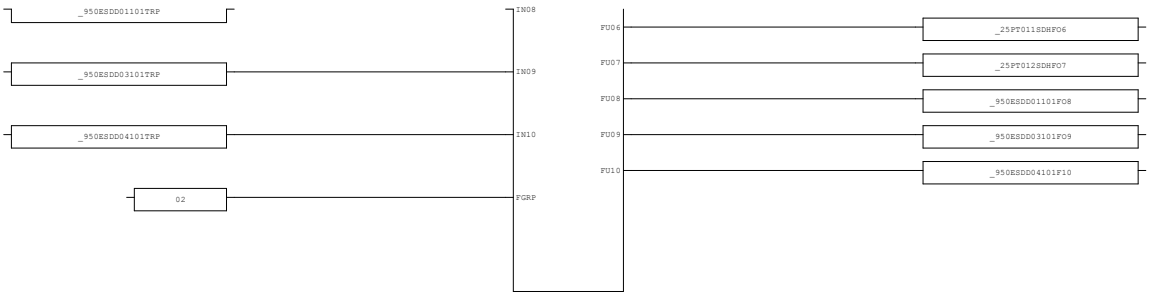


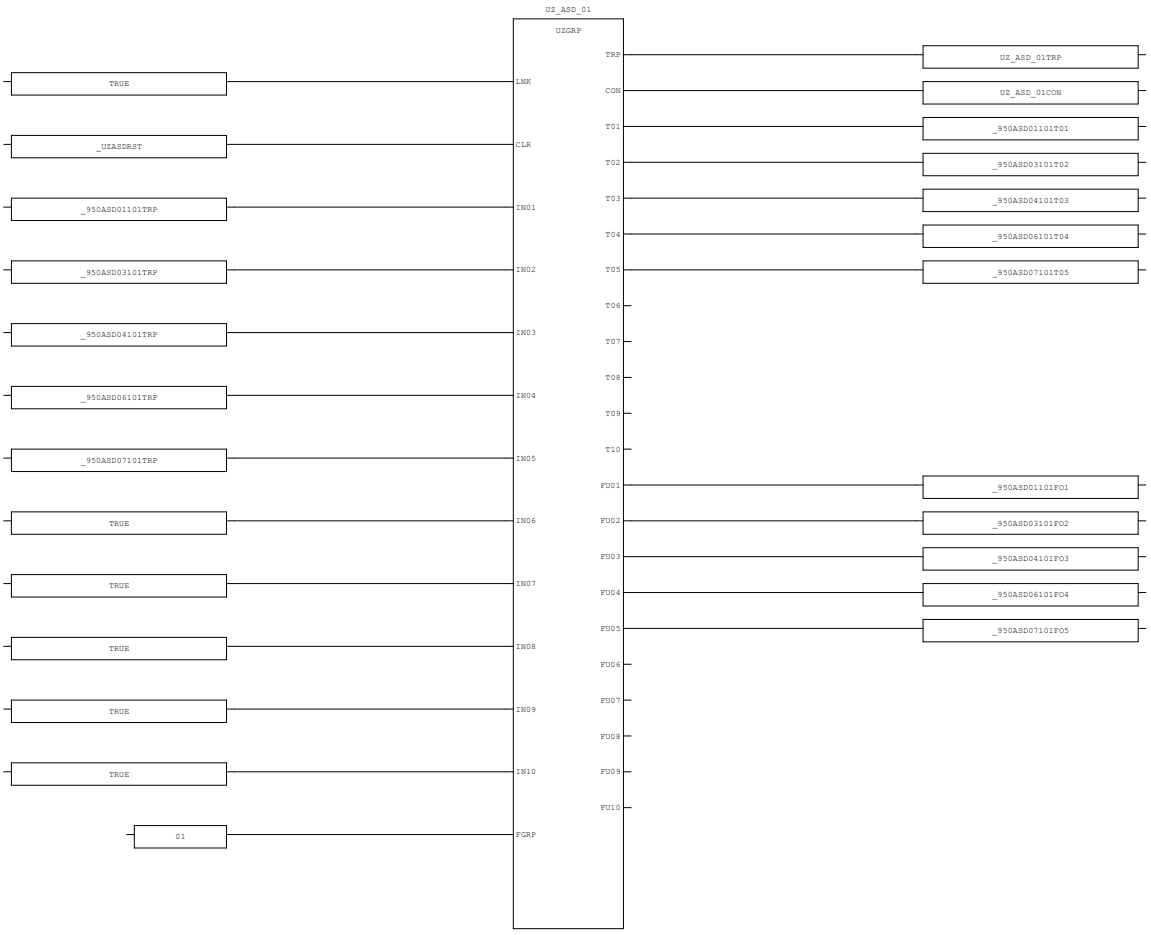
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SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.11. CE_LOGIC_1 (* C&E Interlock Logic *)



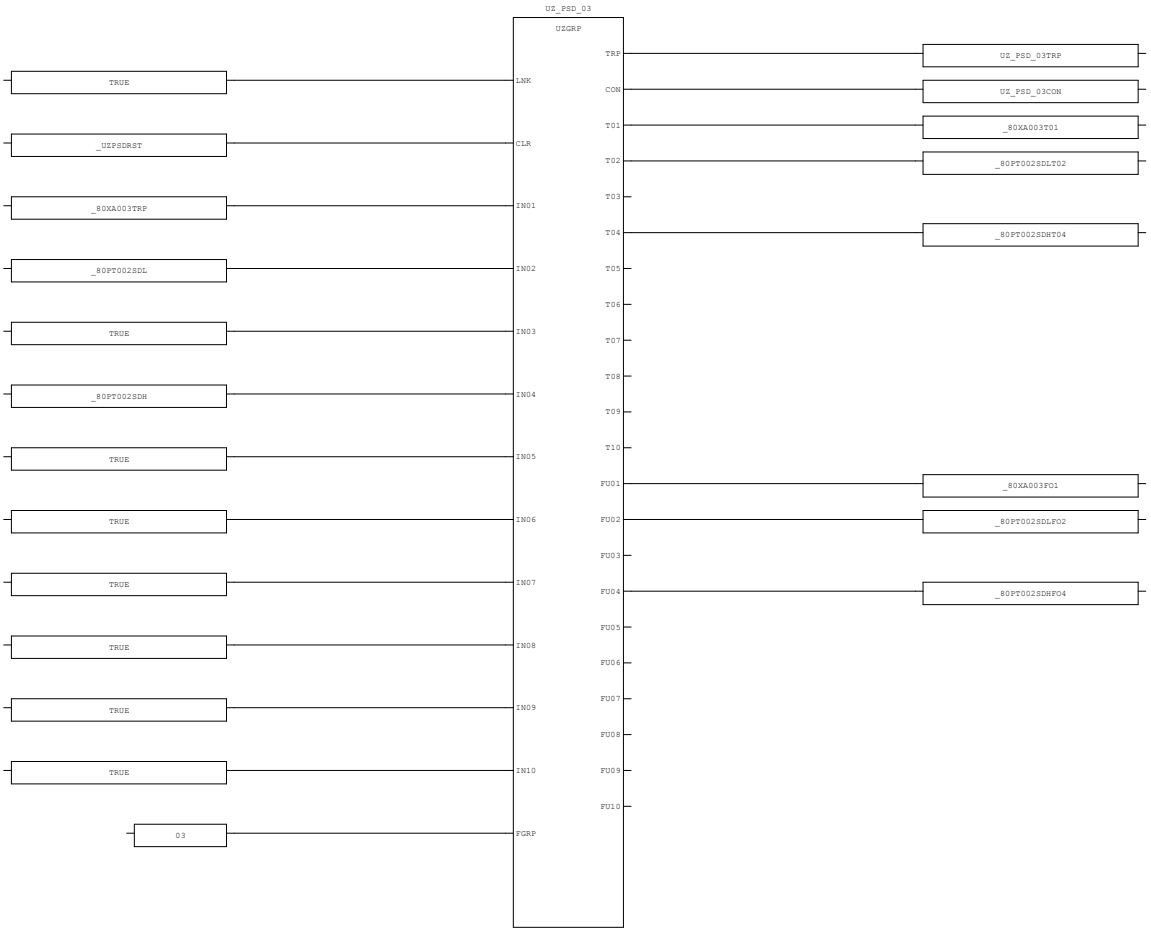


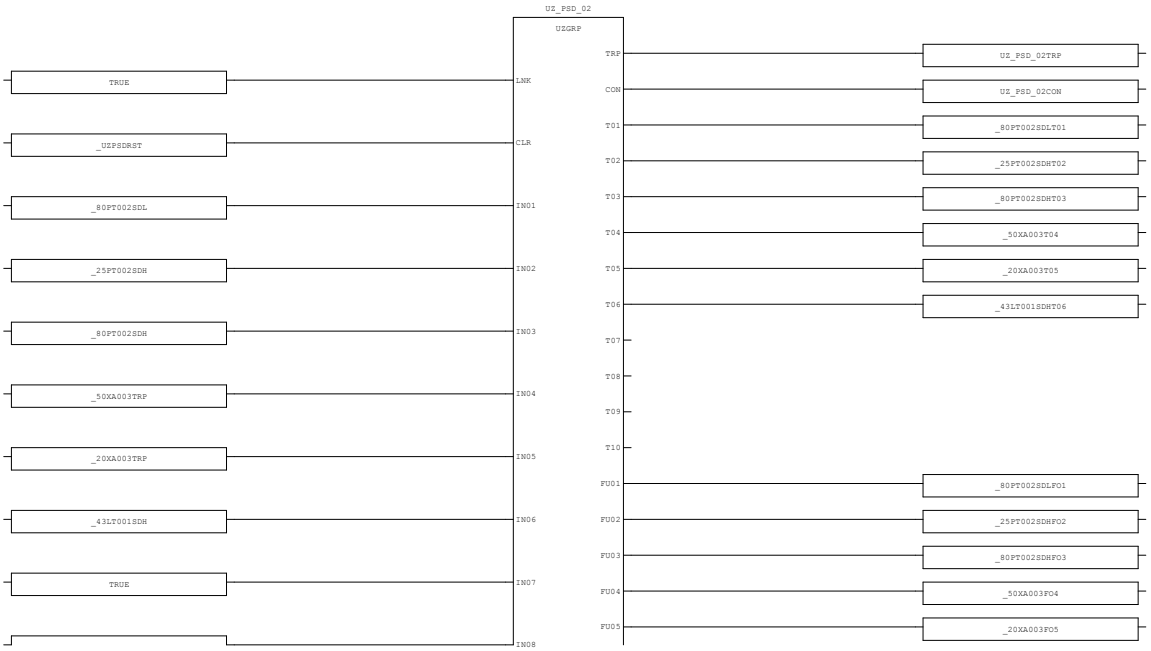


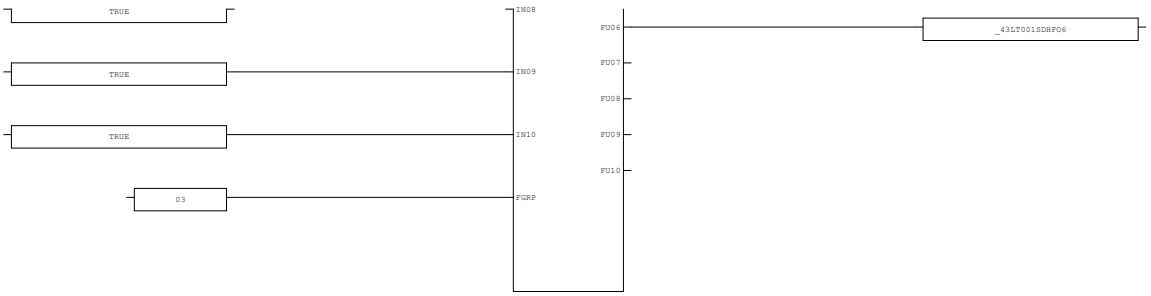


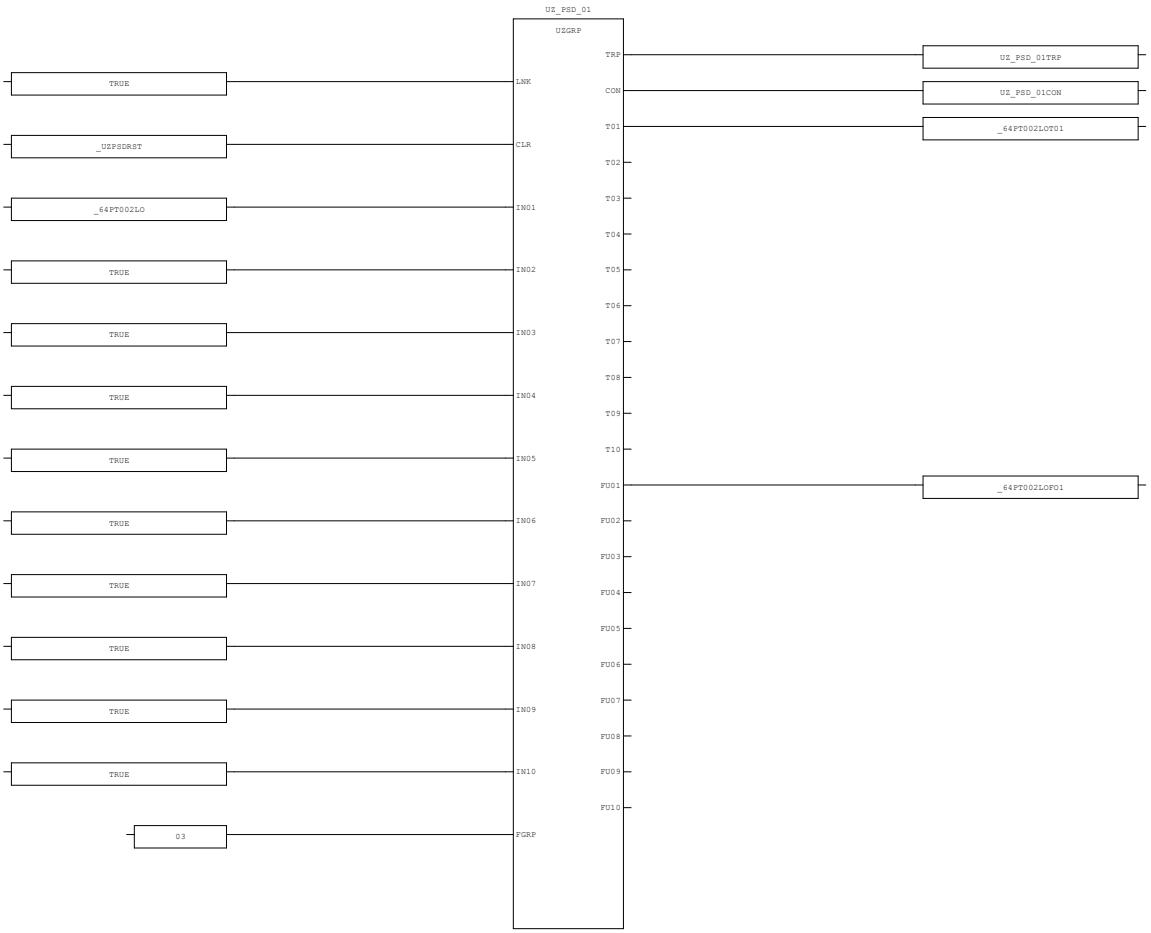
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:28
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		TOTAL 103

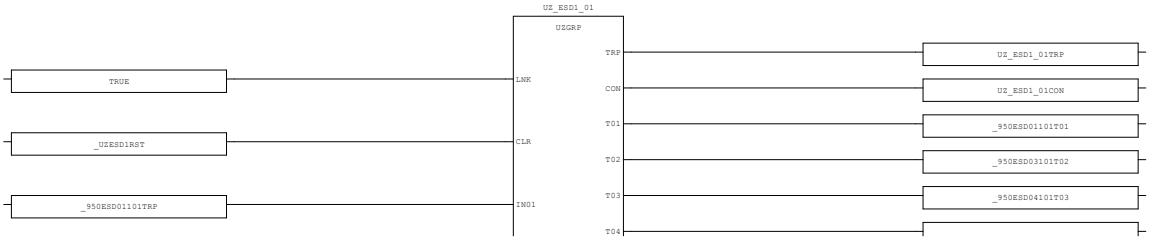
3.12. CE_LOGIC_2 (* C&E Interlock Logic *)



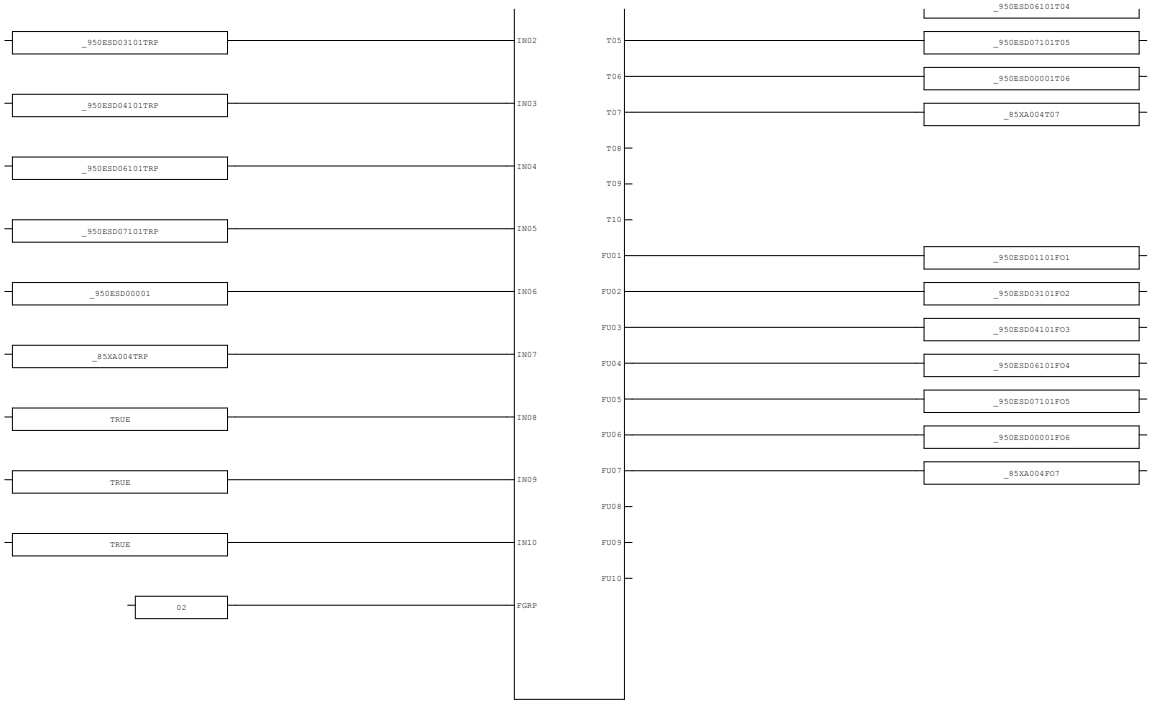






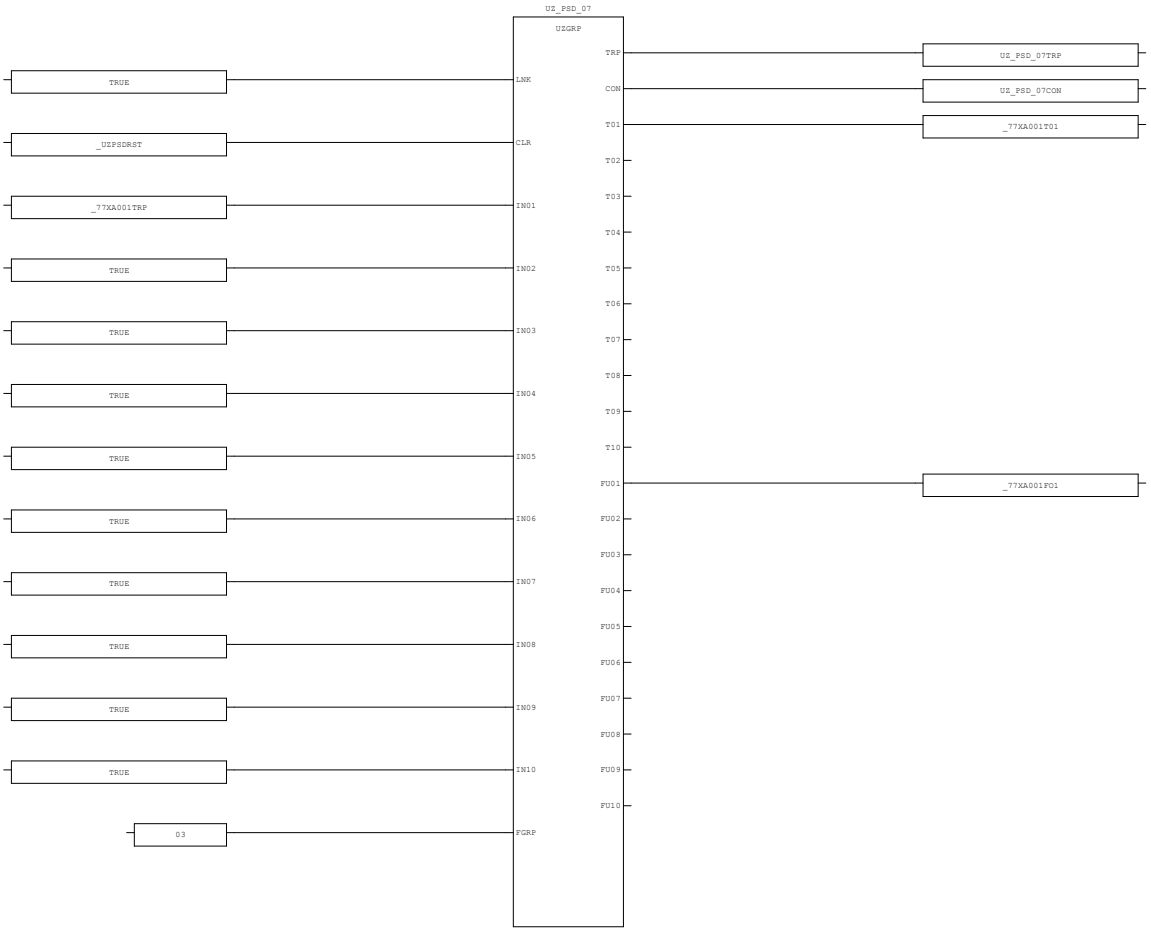


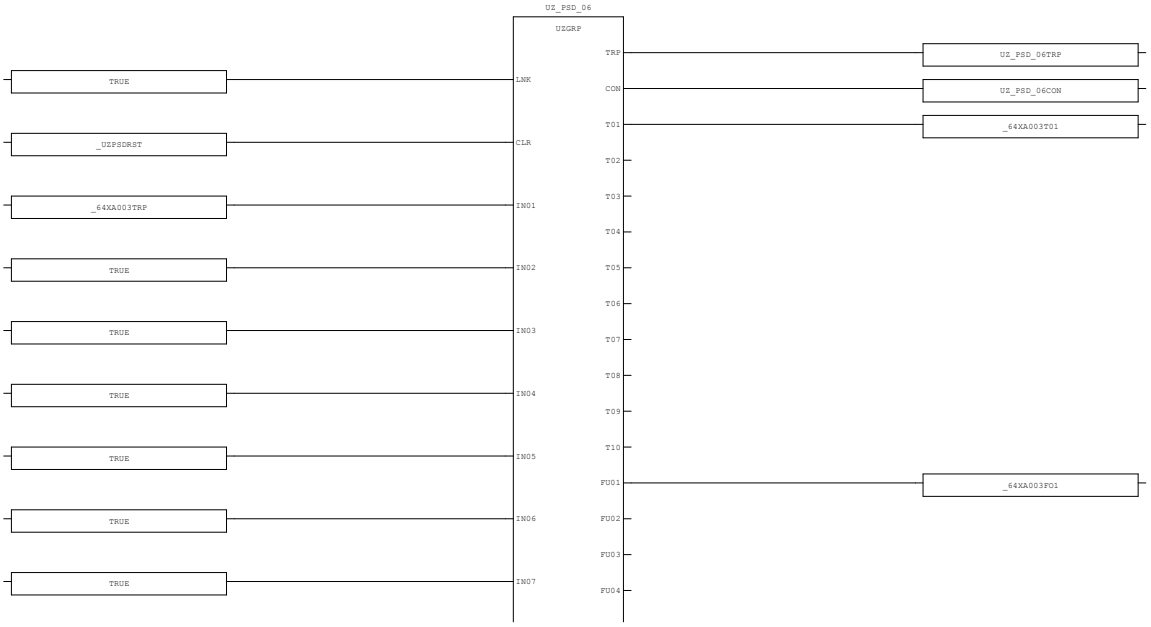
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:30
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SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

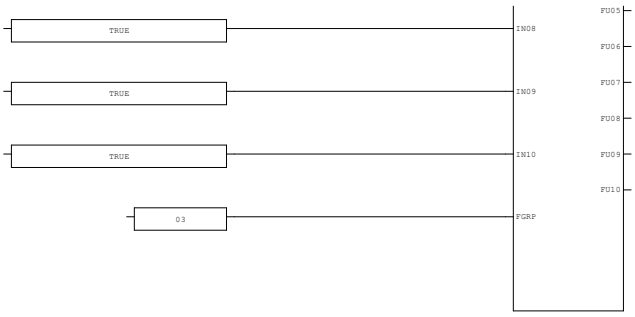


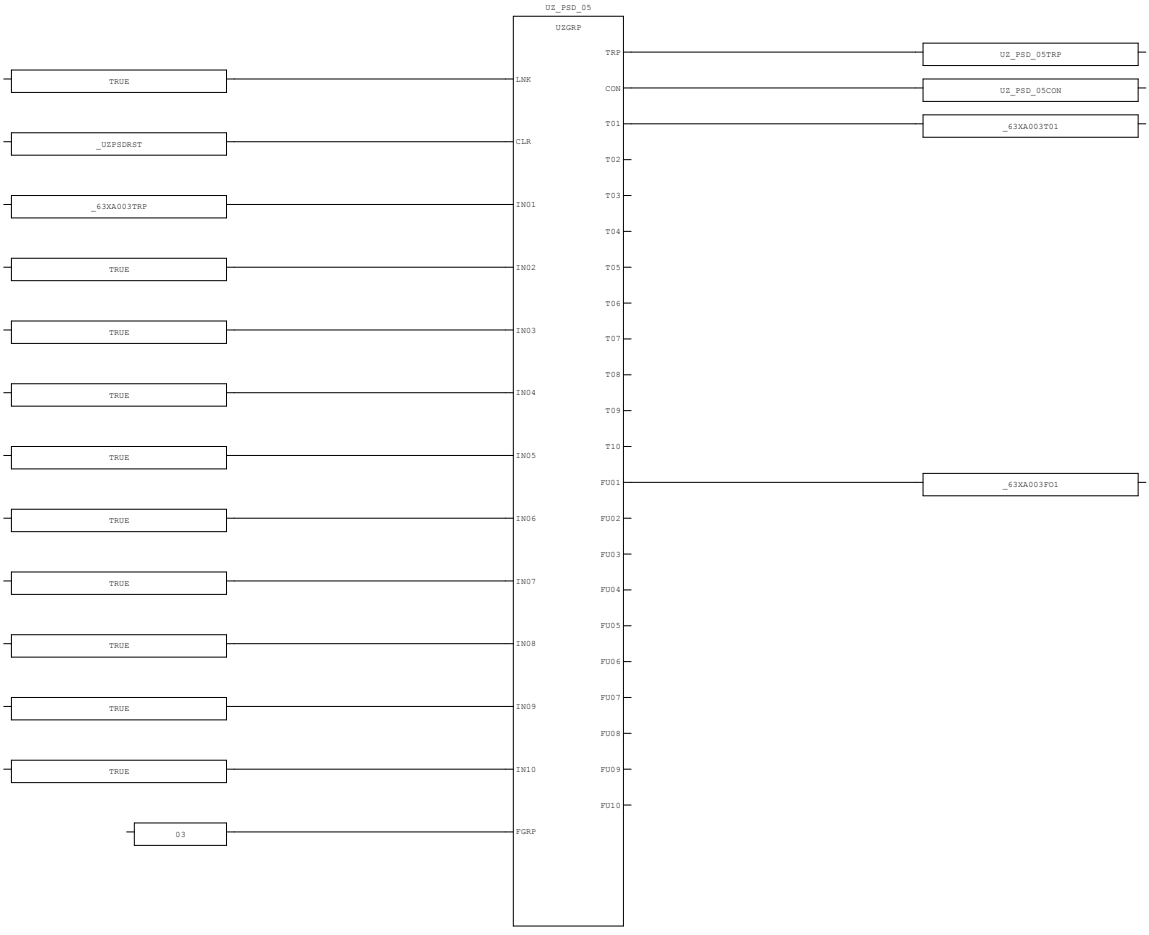
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:31
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SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

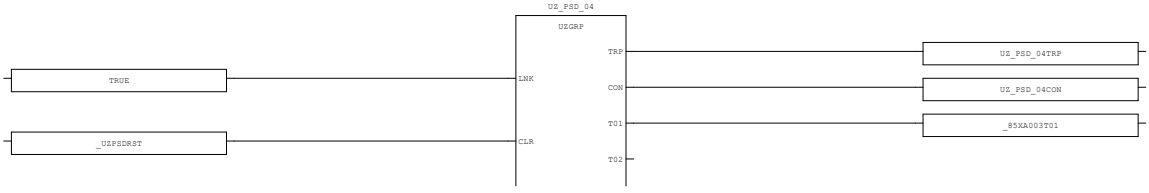
3.13. CE_LOGIC_3 (* C&E Interlock Logic *)



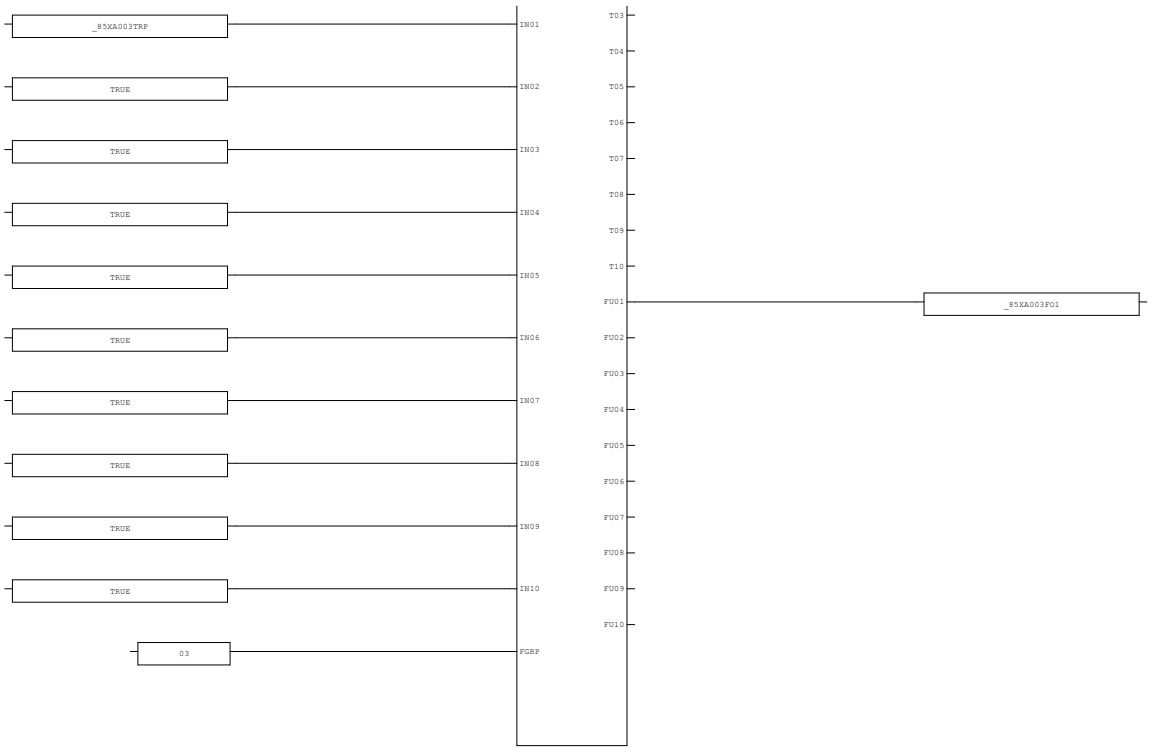






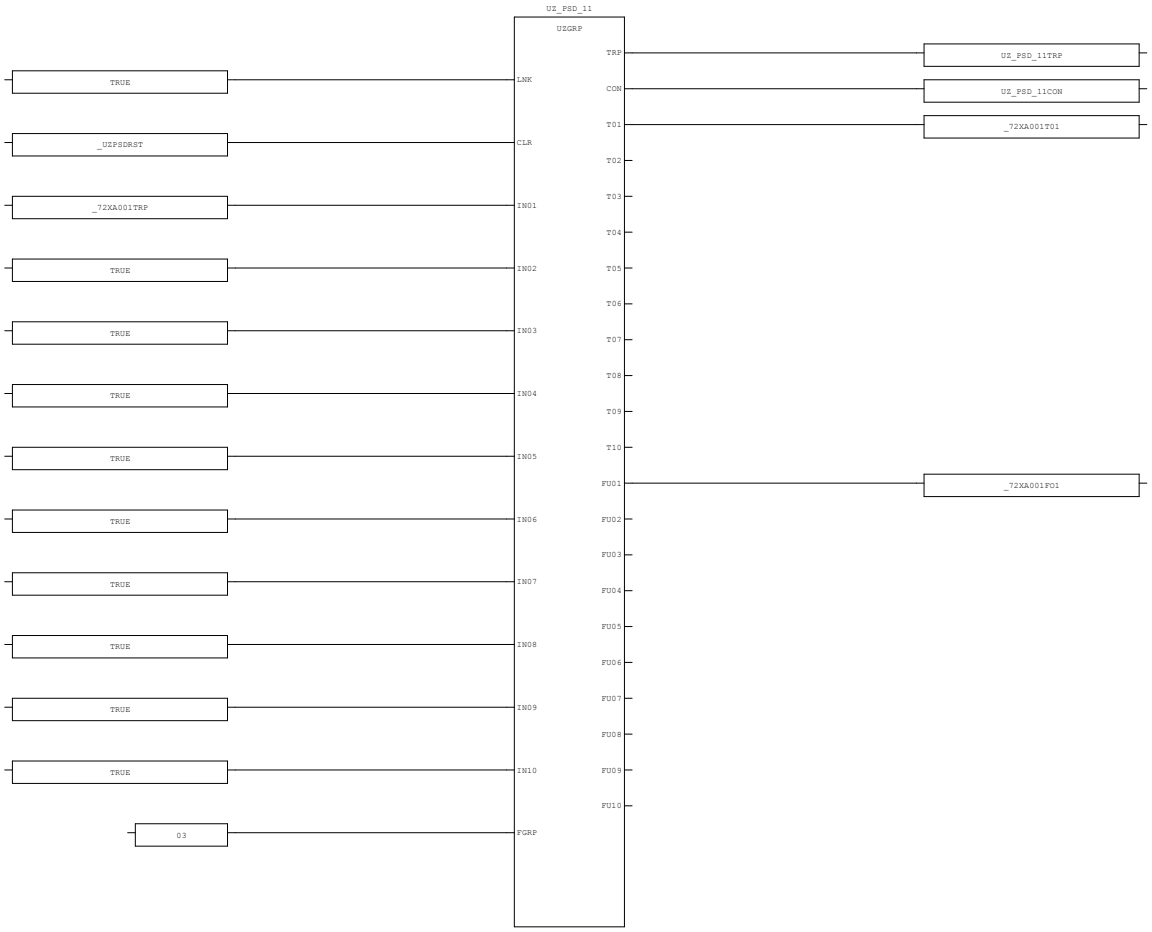


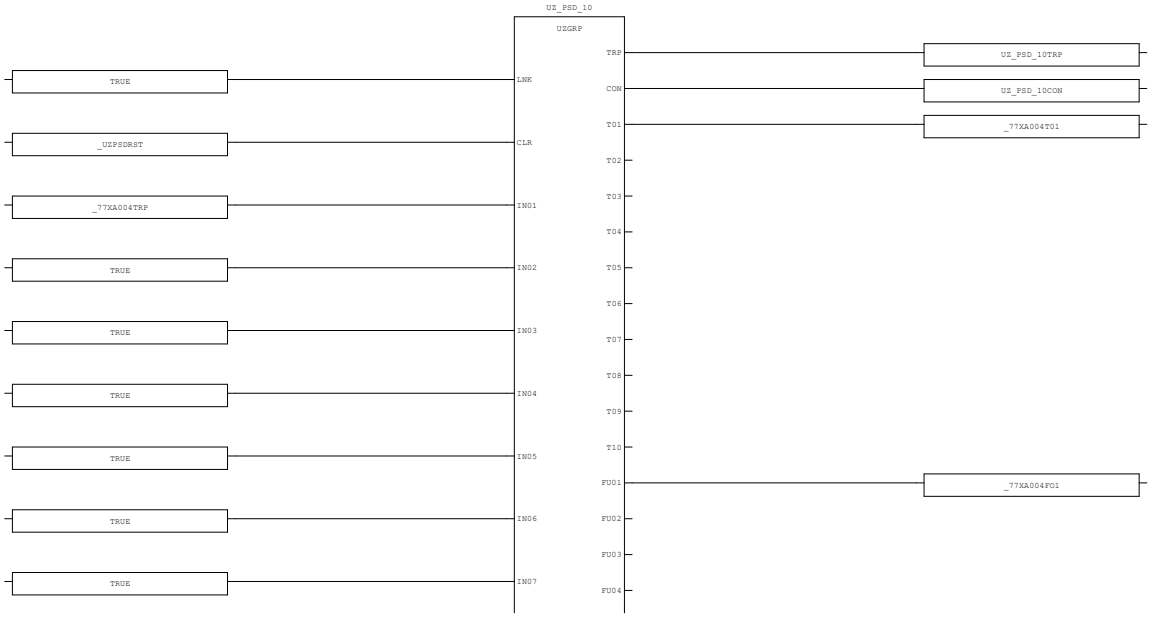
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:33
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103



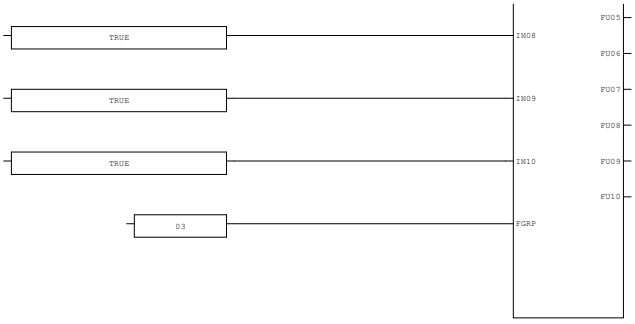
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:34
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

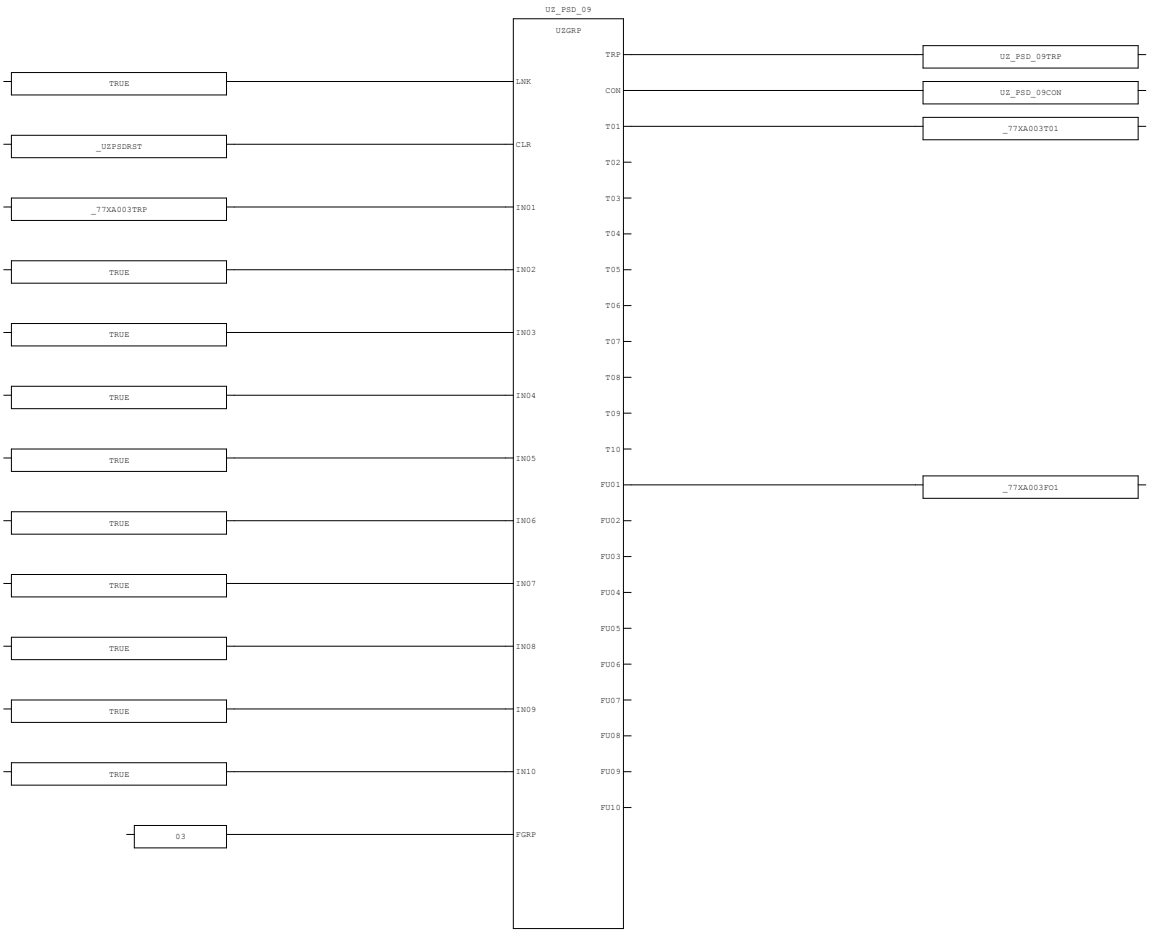
3.14. CE_LOGIC_4 (* C&E Interlock Logic *)

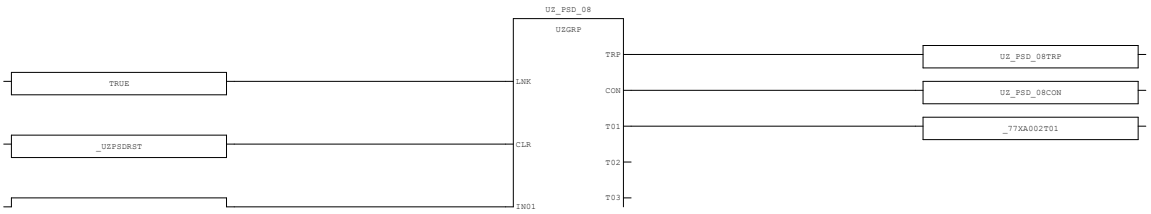




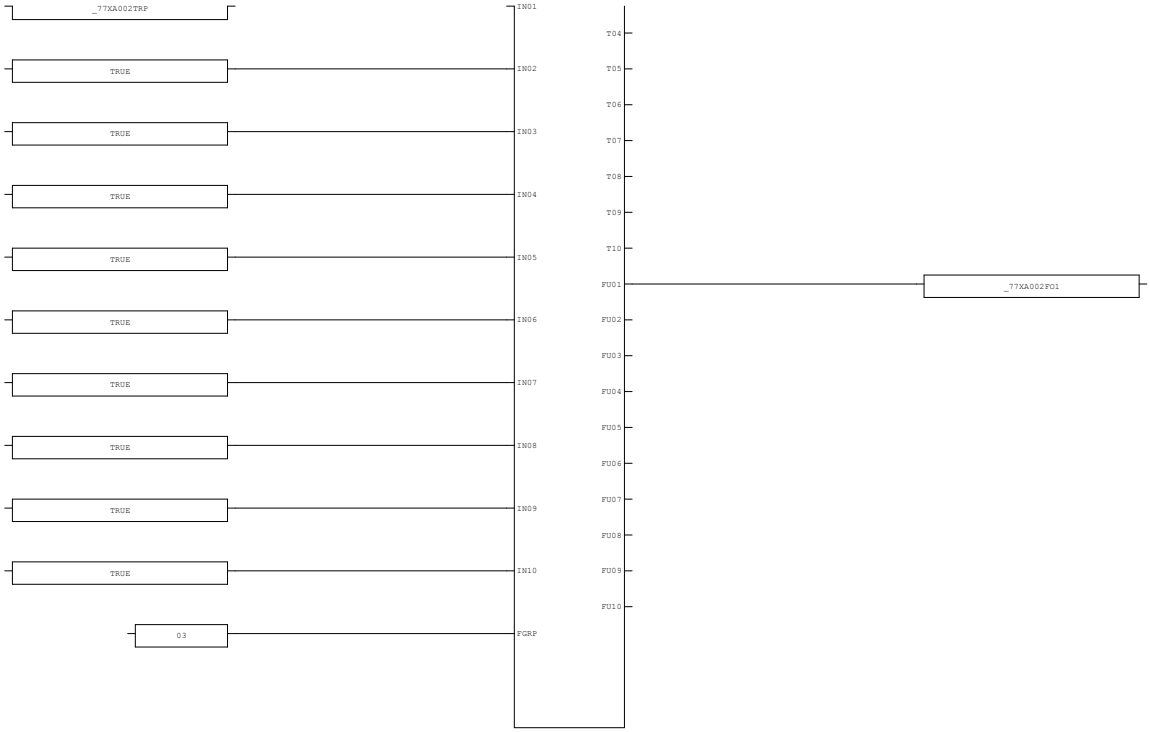
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:35
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
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SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103





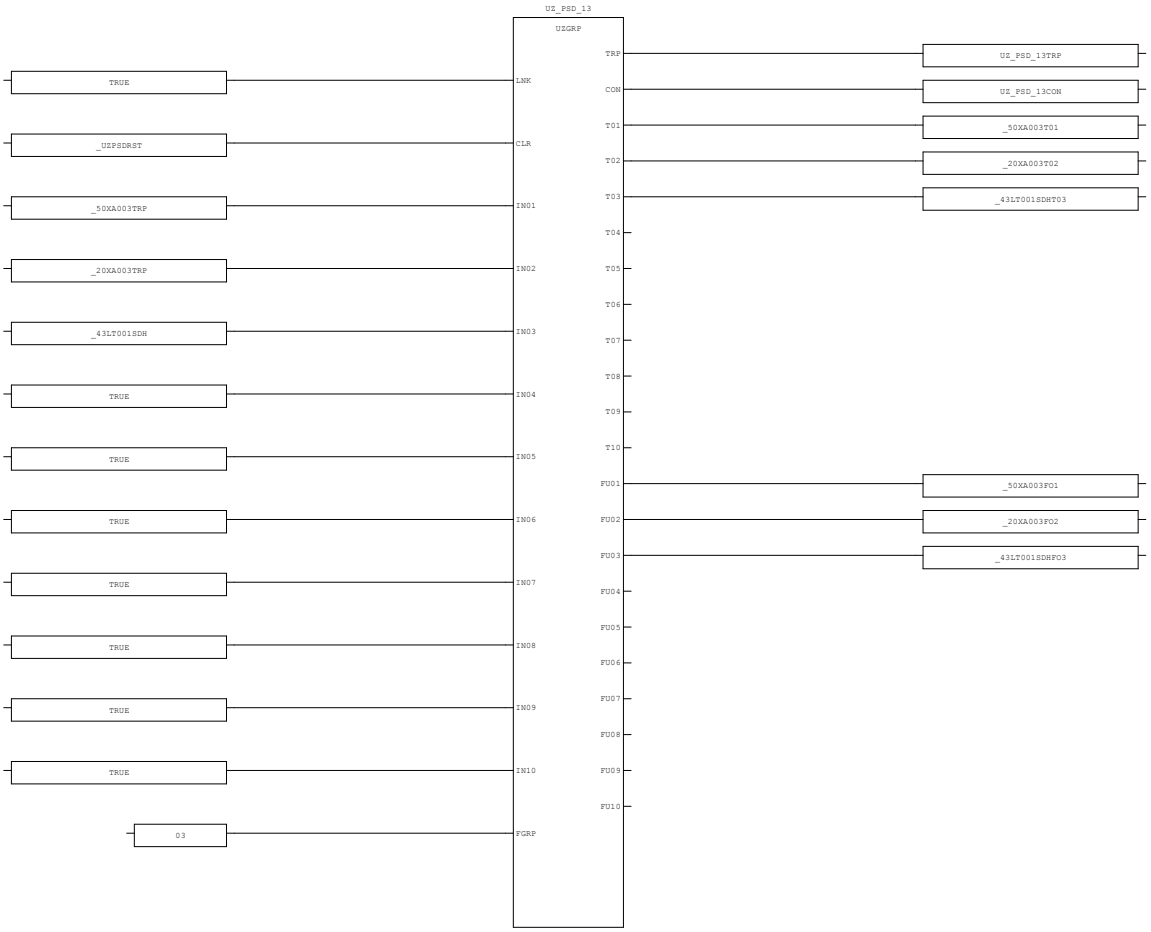


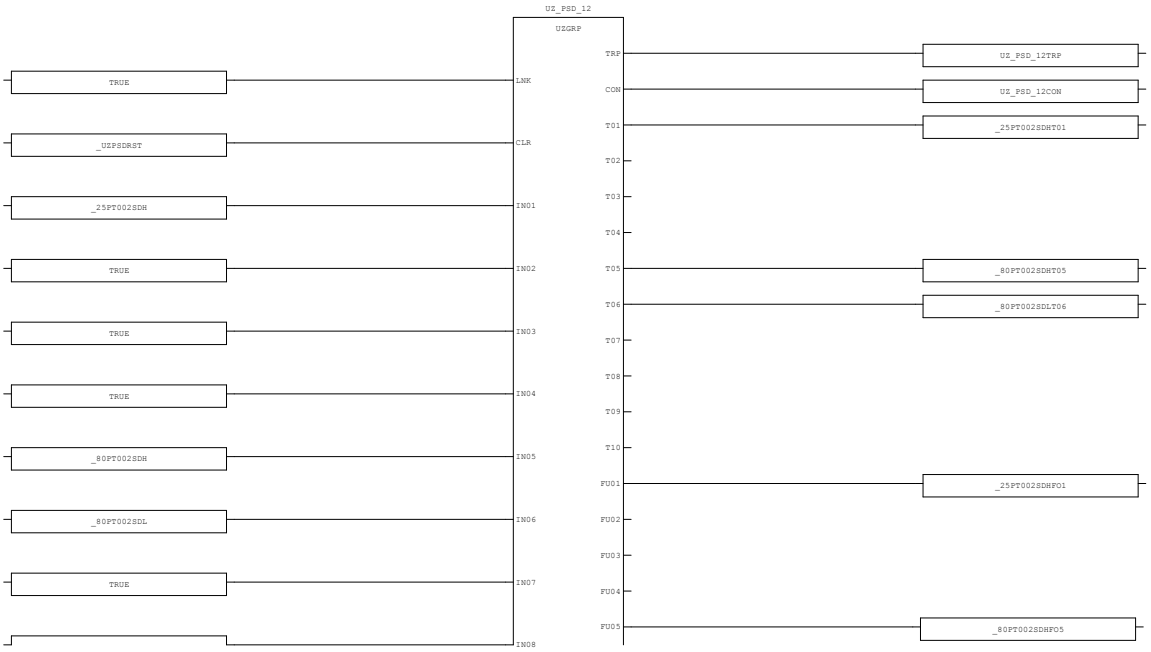
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:36
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
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SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

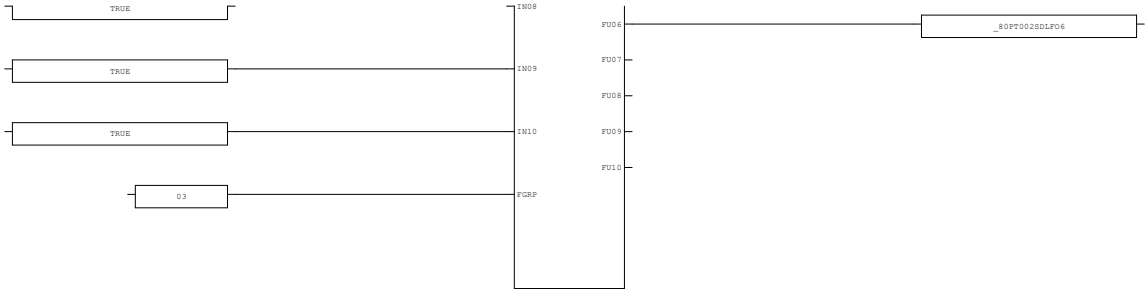


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:37
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 103
				REVISION:	5.4		

3.15. CE_LOGIC_5 (* C&E Interlock Logic *)

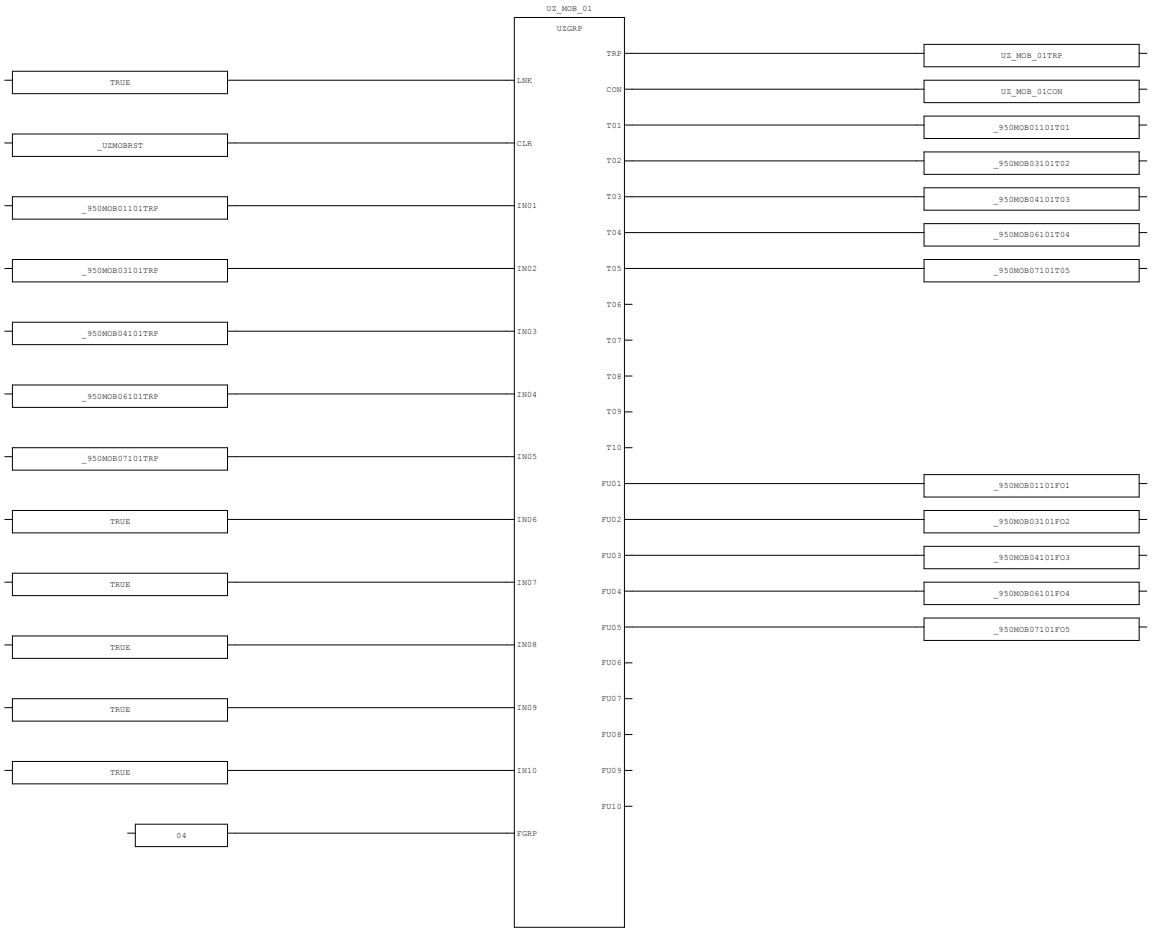




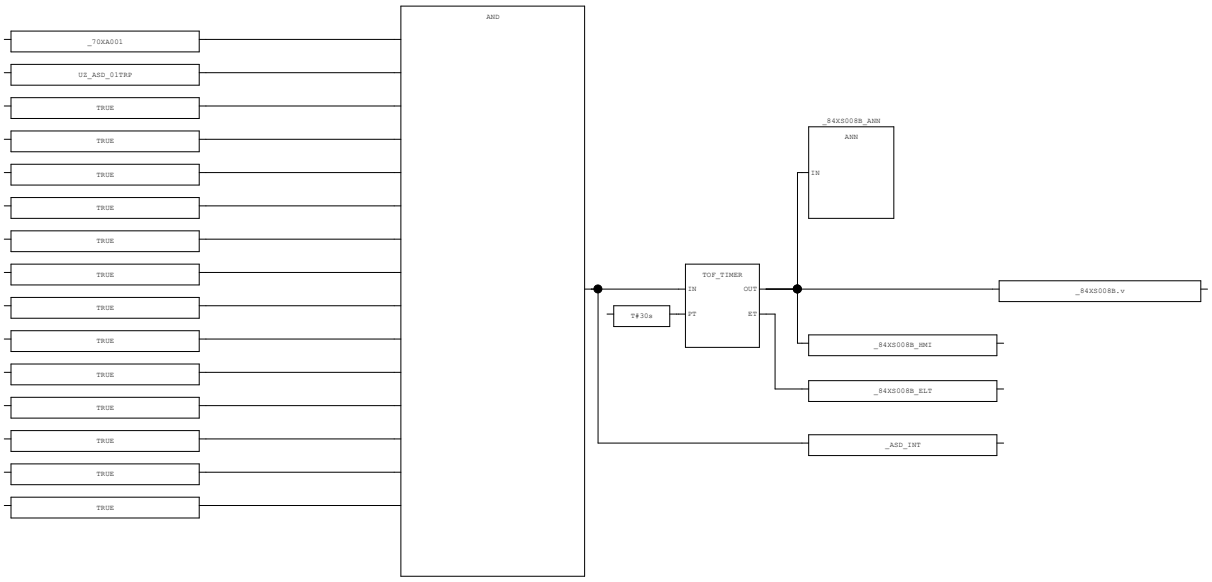


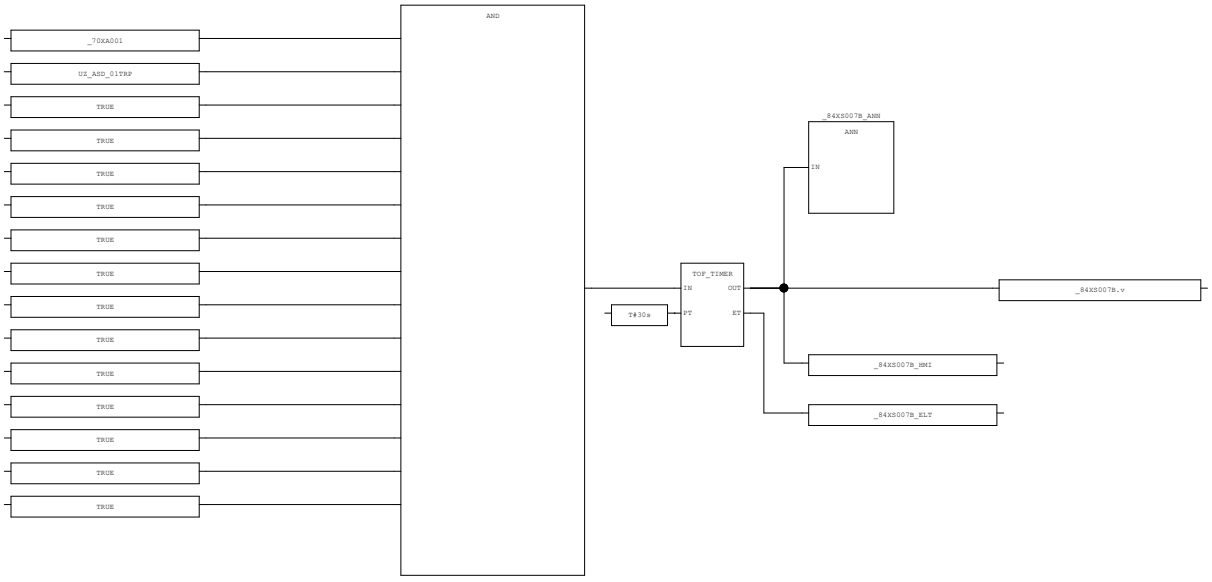
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:39
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

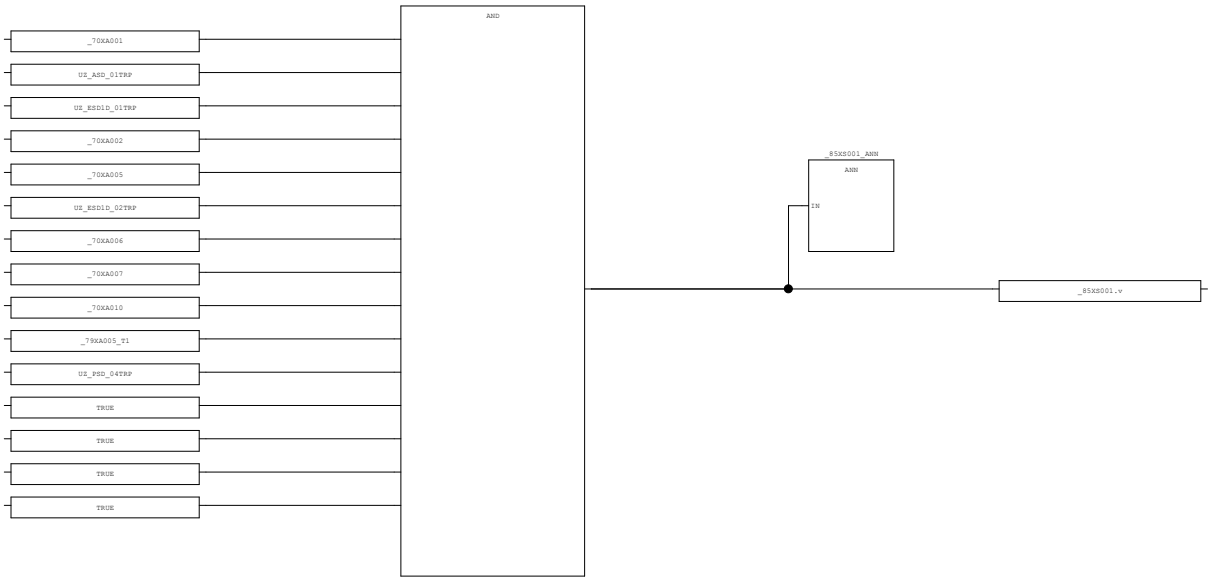
3.16. CE_LOGIC_6 (* C&E Interlock Logic *)

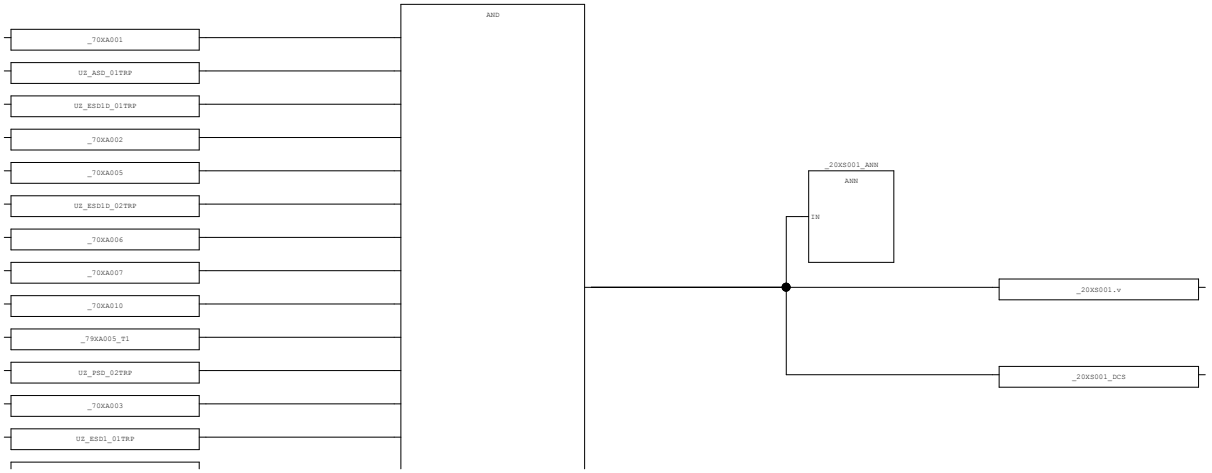


3.17. DO_01 (* Digital Output Processing *)

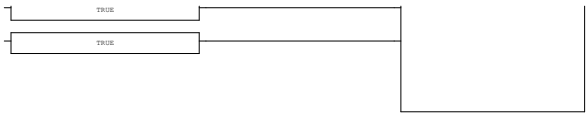


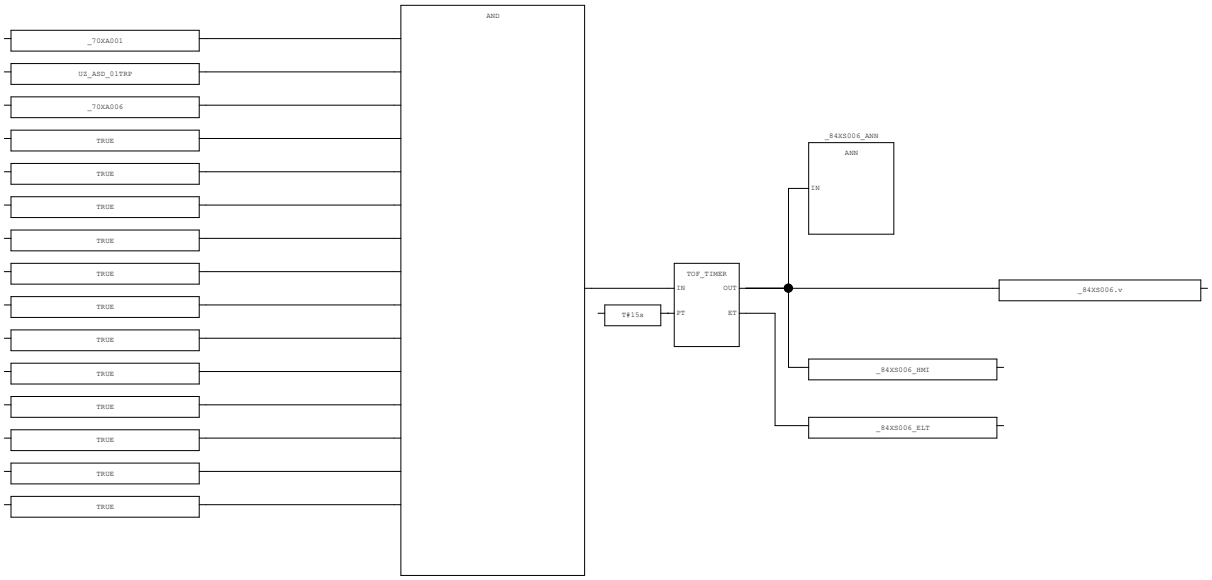


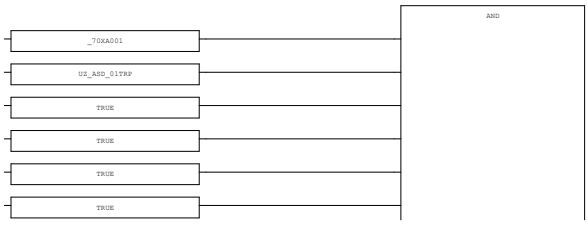


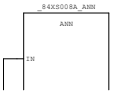


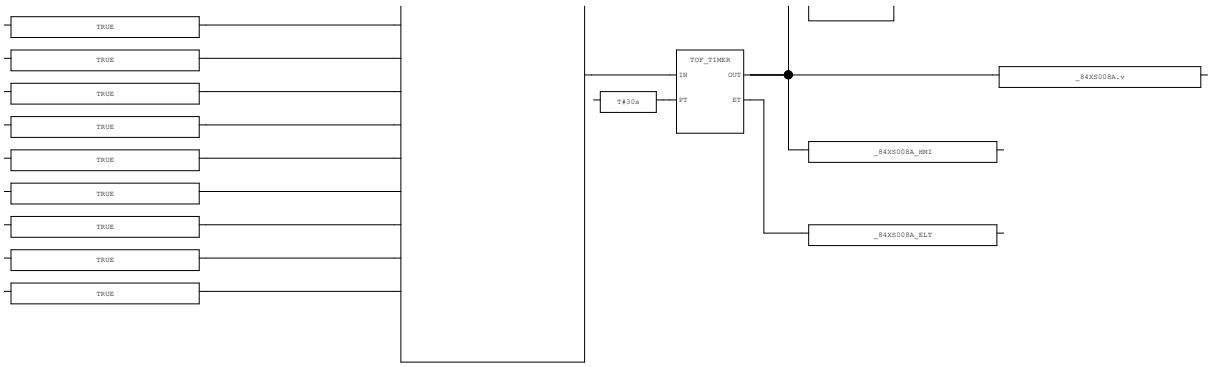
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				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

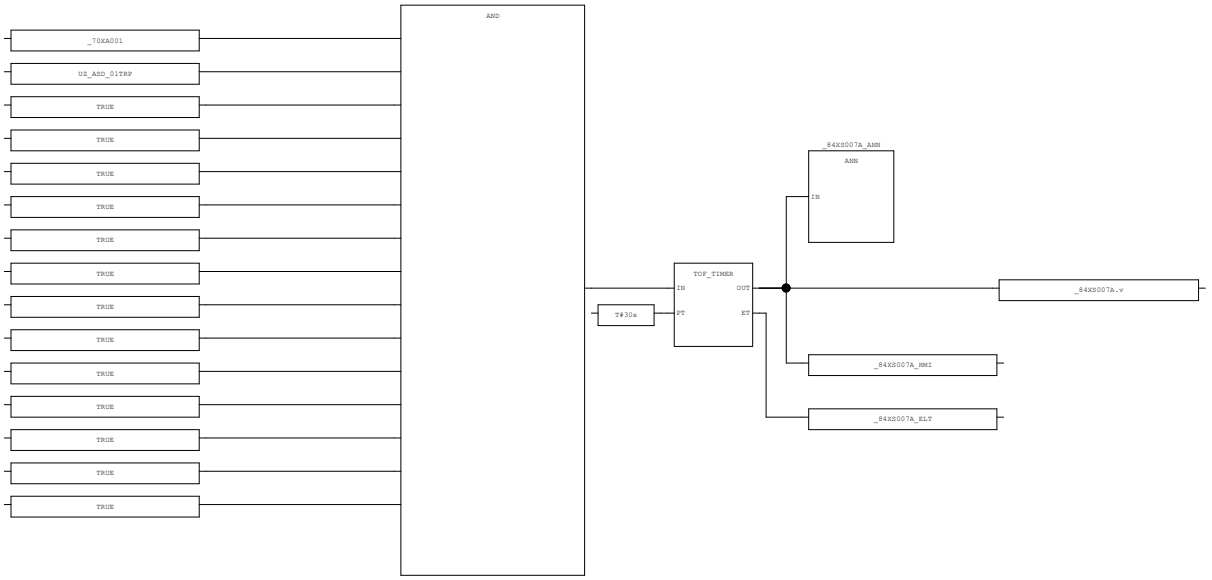

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TRUE

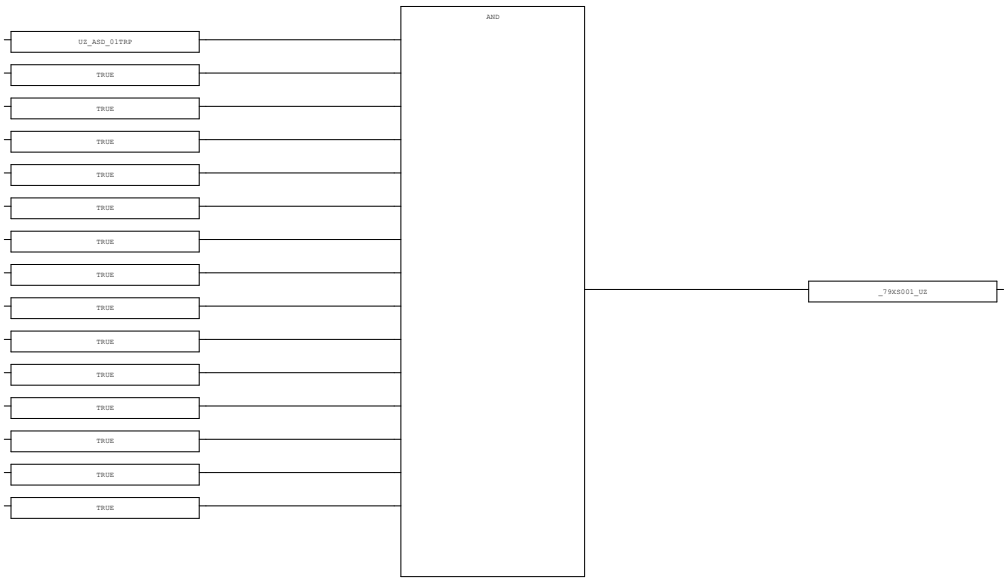

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TOF_TIMER
IN
PT
OUT
ET
T#15s
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AND
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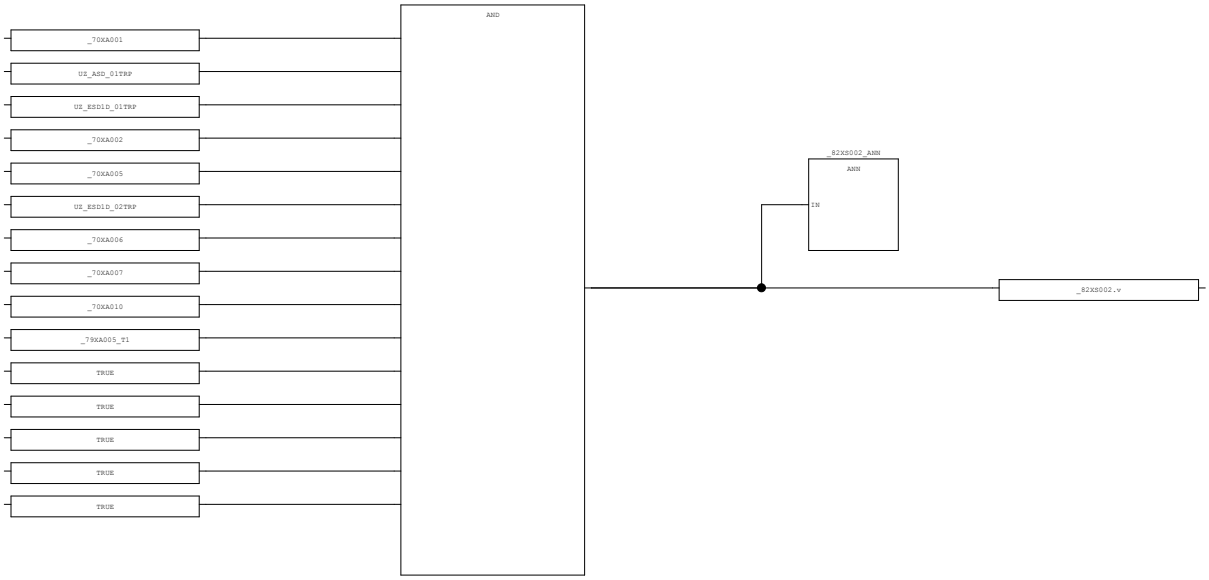

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TRUE
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TRUE
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IN
OUT
PT
ET
T#30s
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_84XS008A_HMI
_84XS008A_ELT

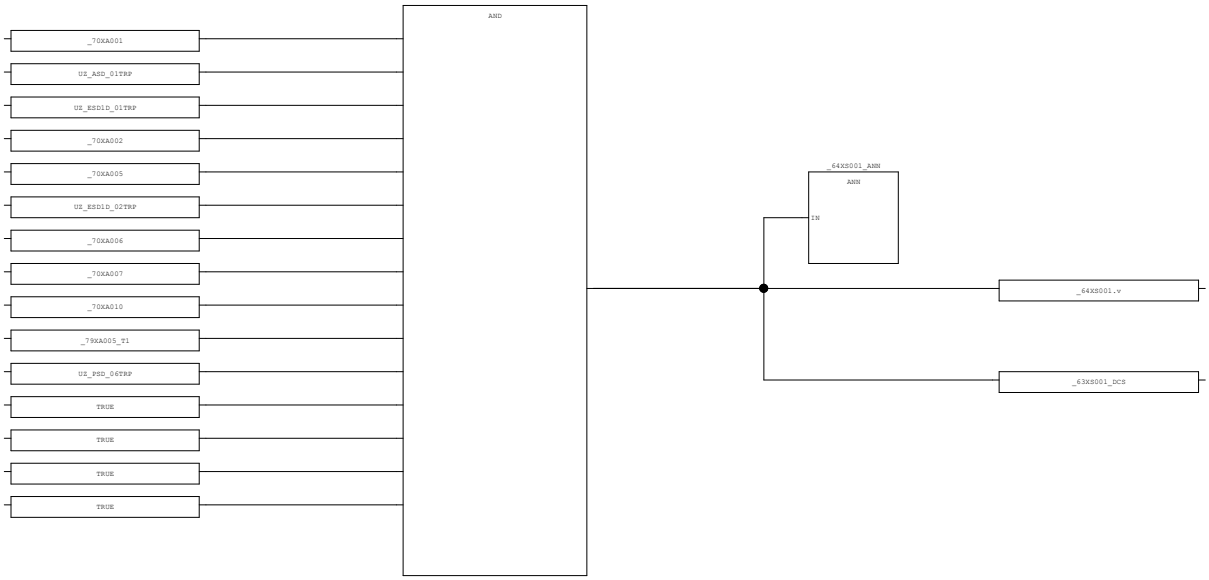

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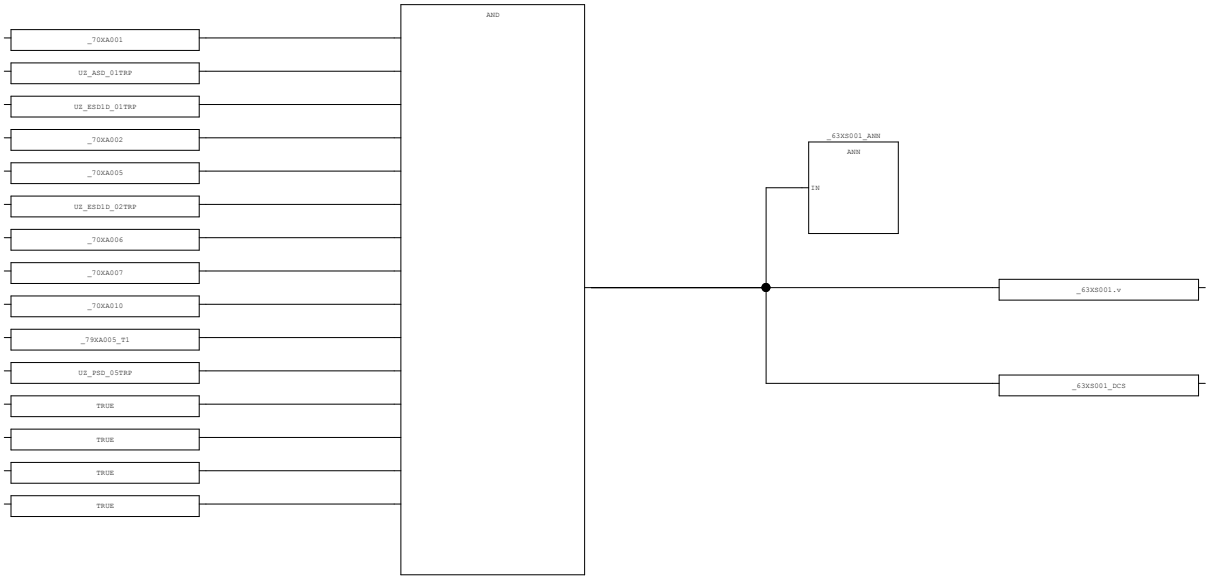


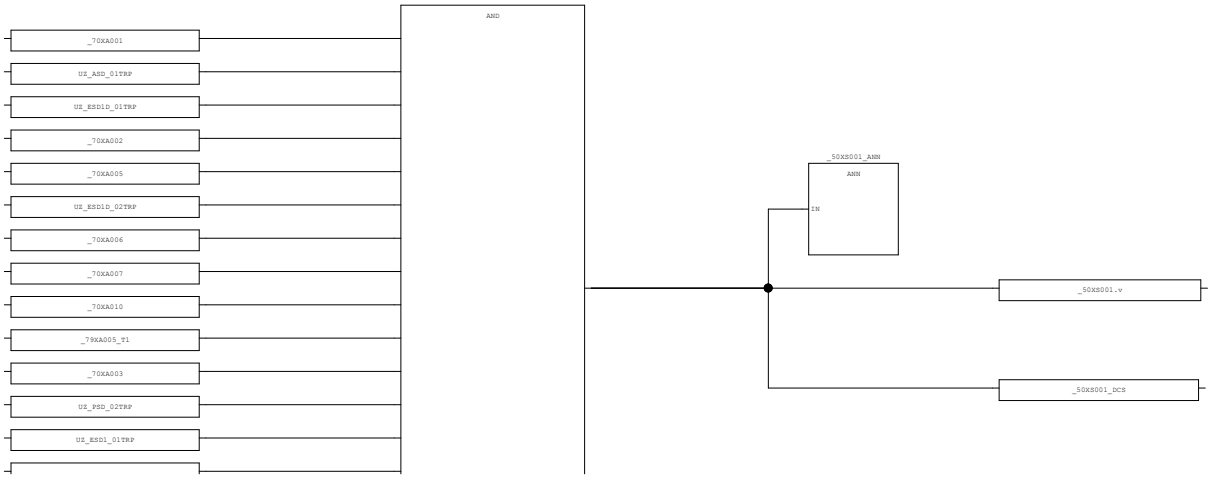
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:45
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.18. DO_02 (* Digital Output Processing *)



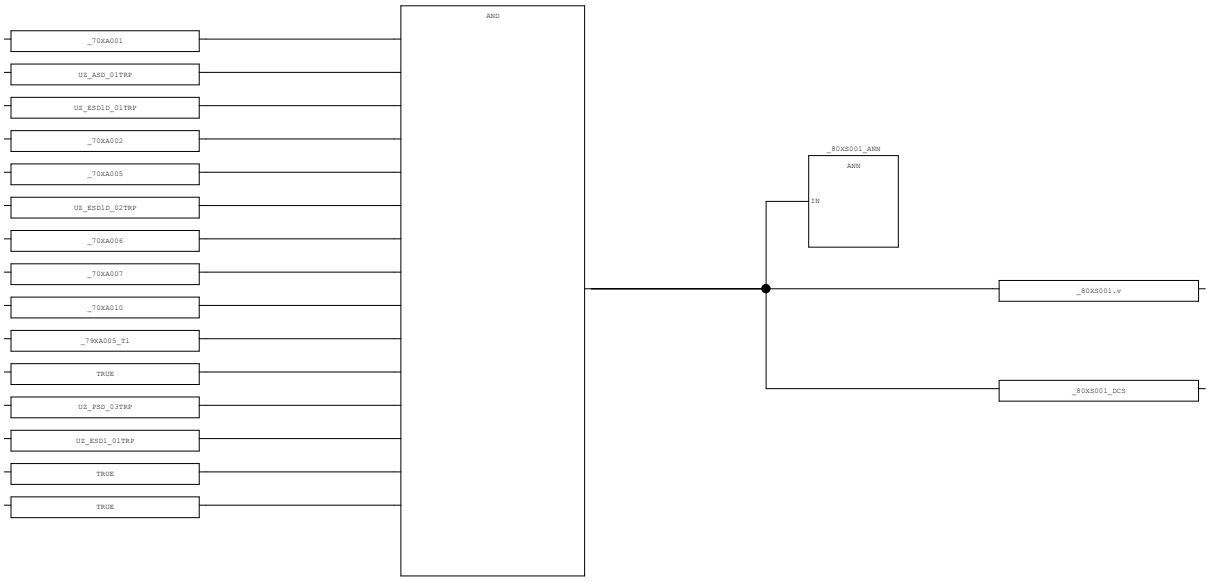


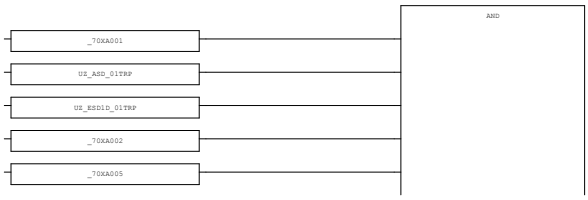




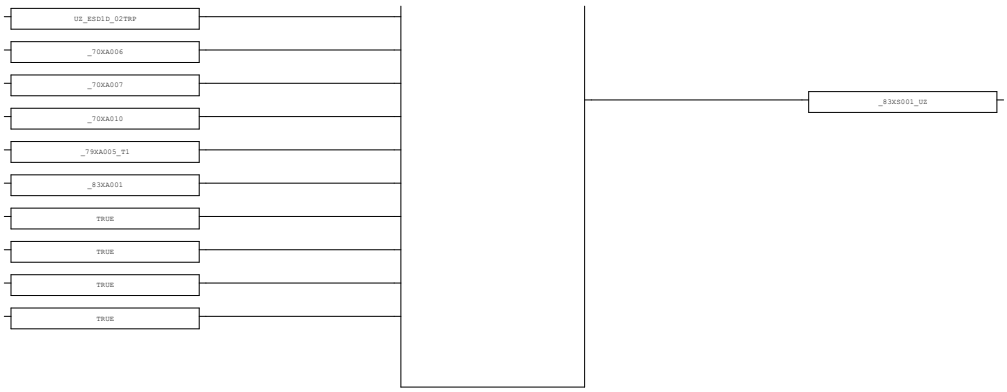
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:47
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103





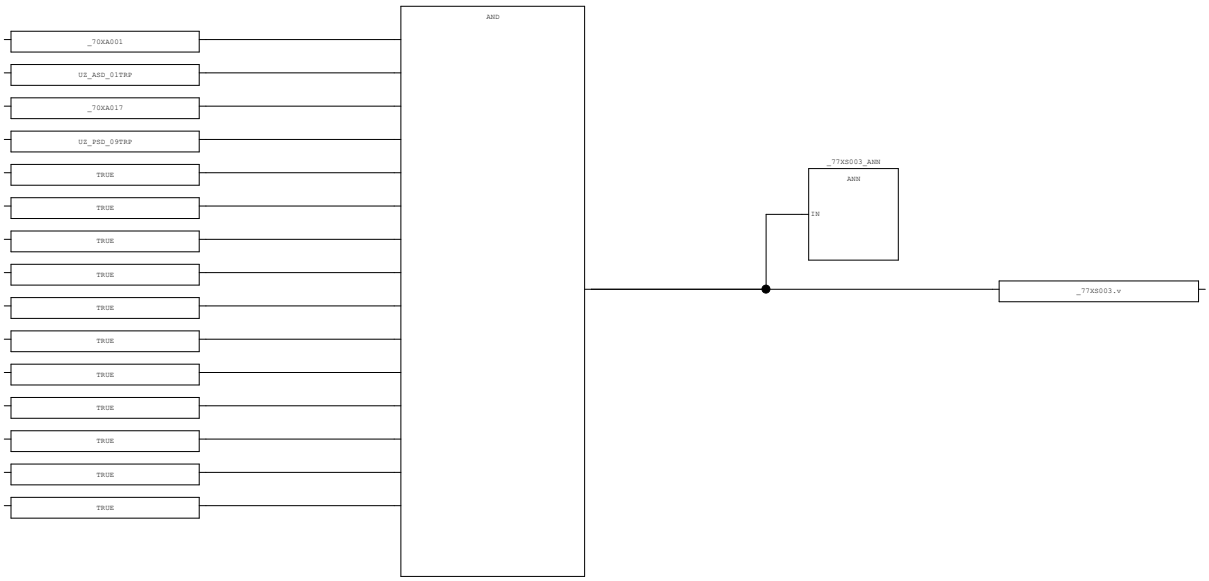


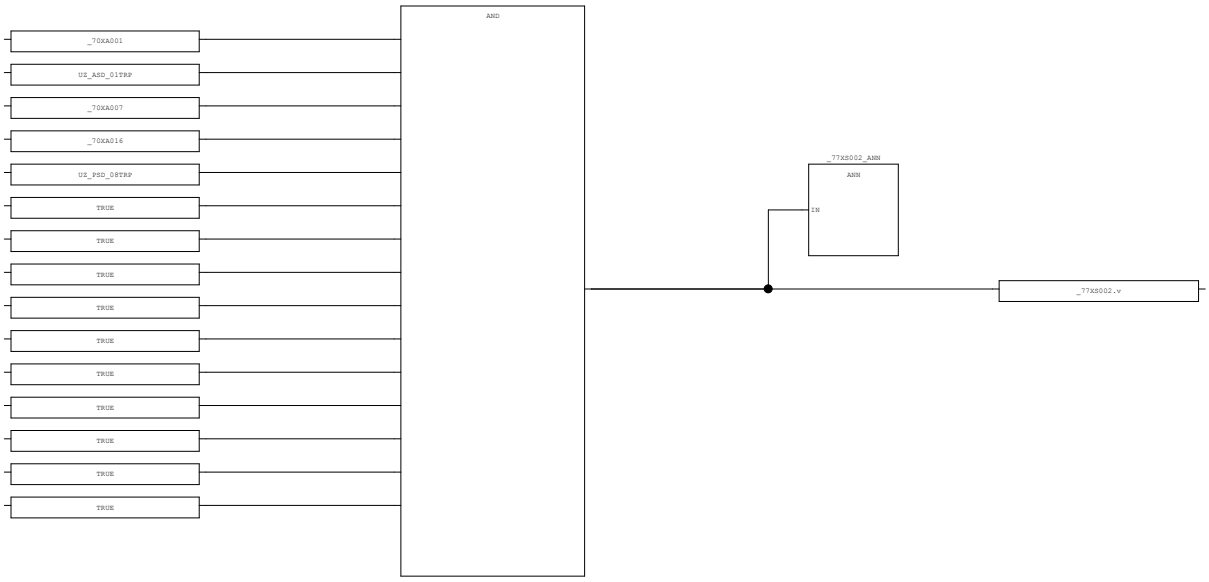
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:48
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
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SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

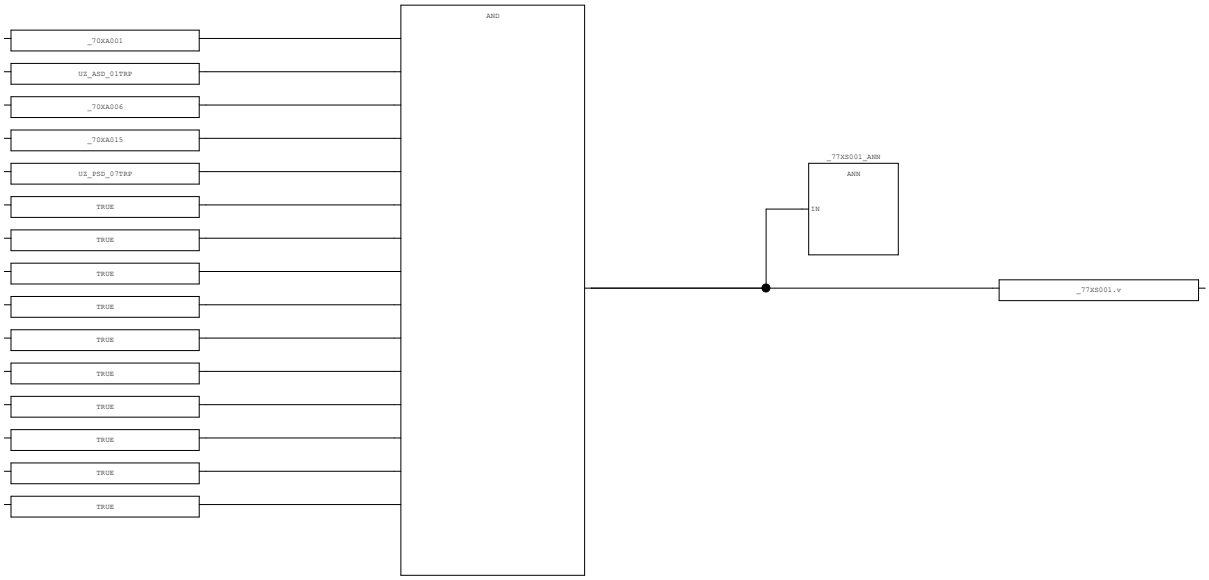


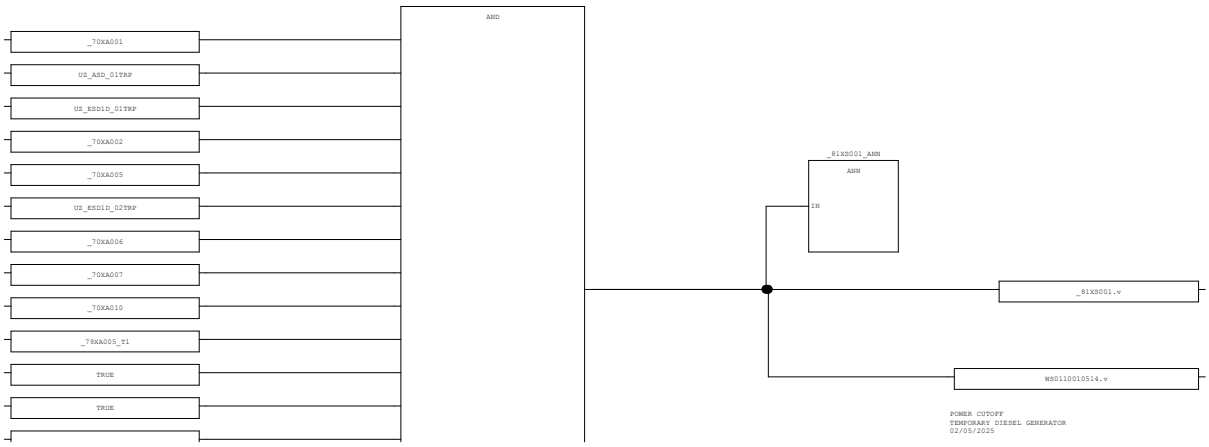
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:49
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
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SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.19. DO_03 (* Digital Output Processing *)

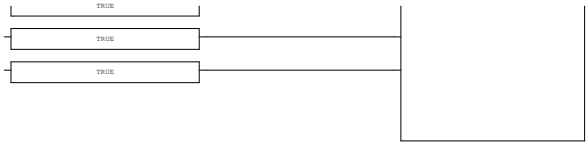


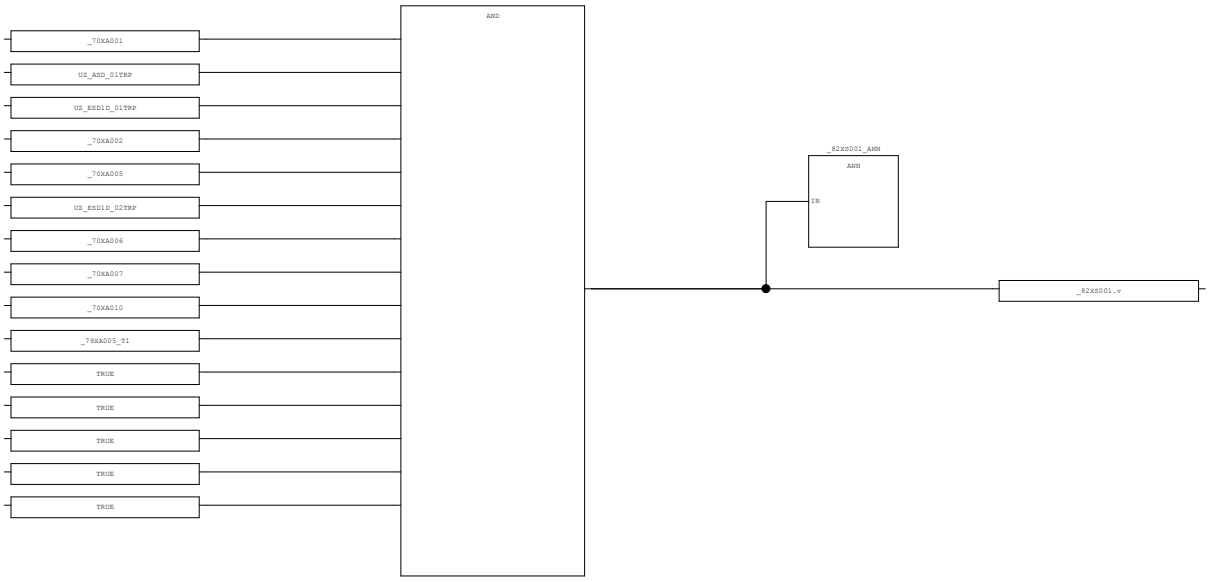


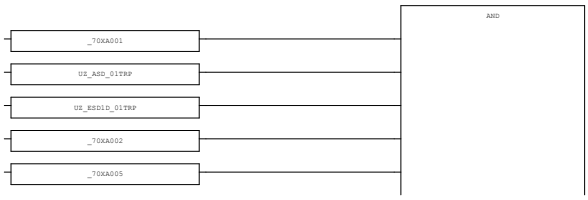




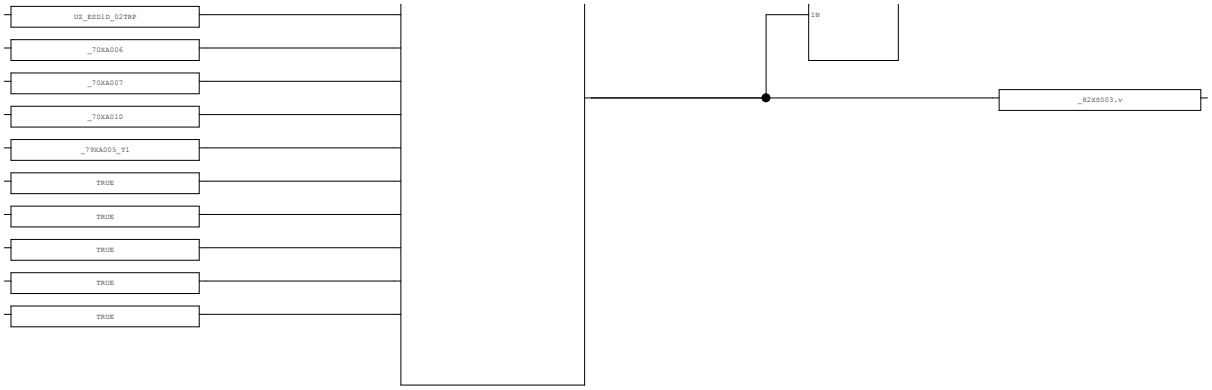
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:51
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 103
				REVISION:	5.4		





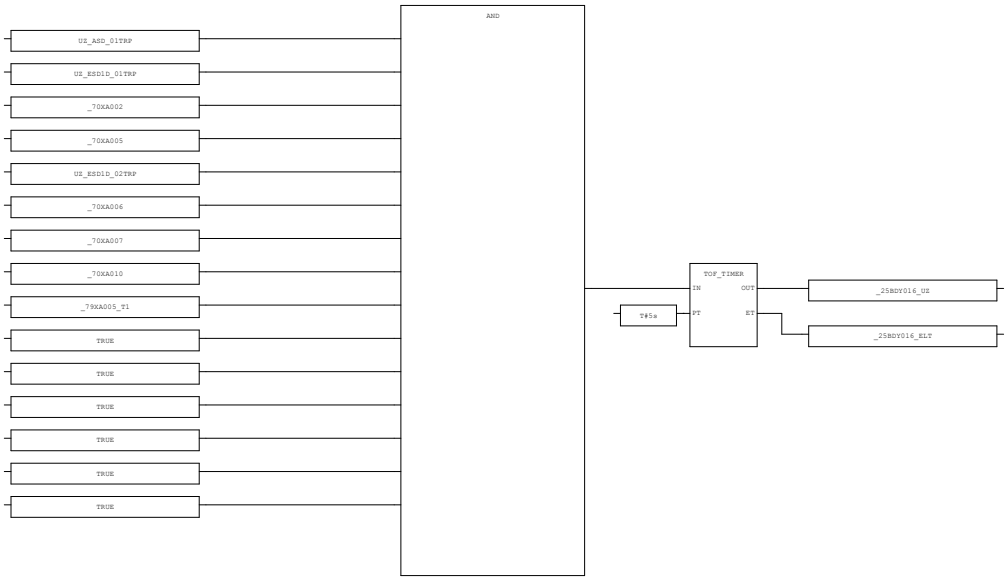


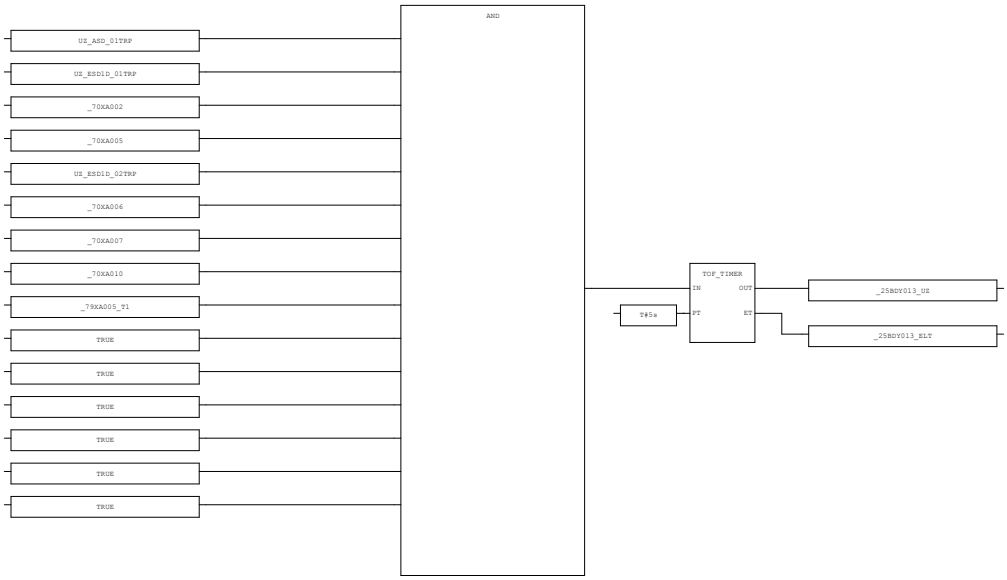
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:52
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

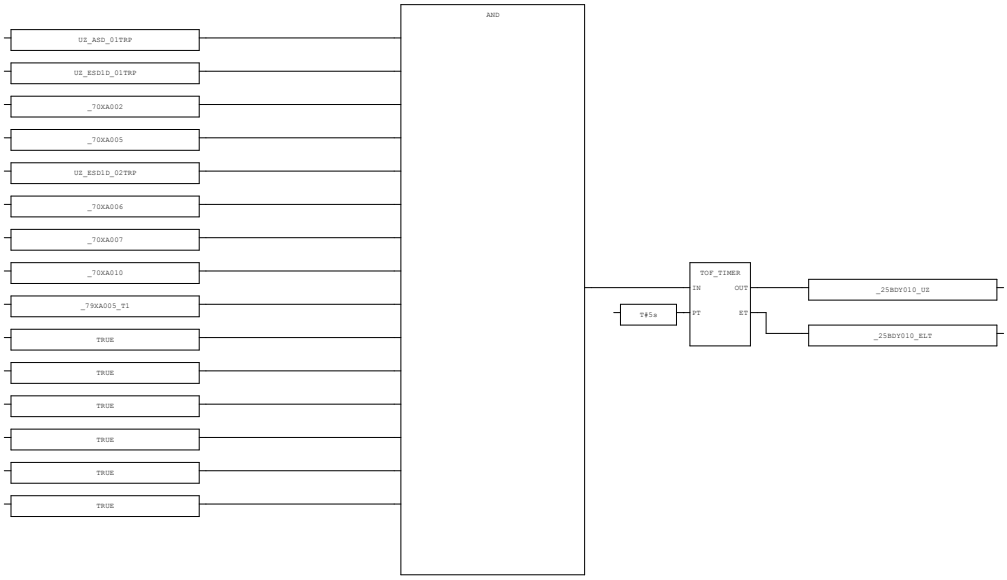


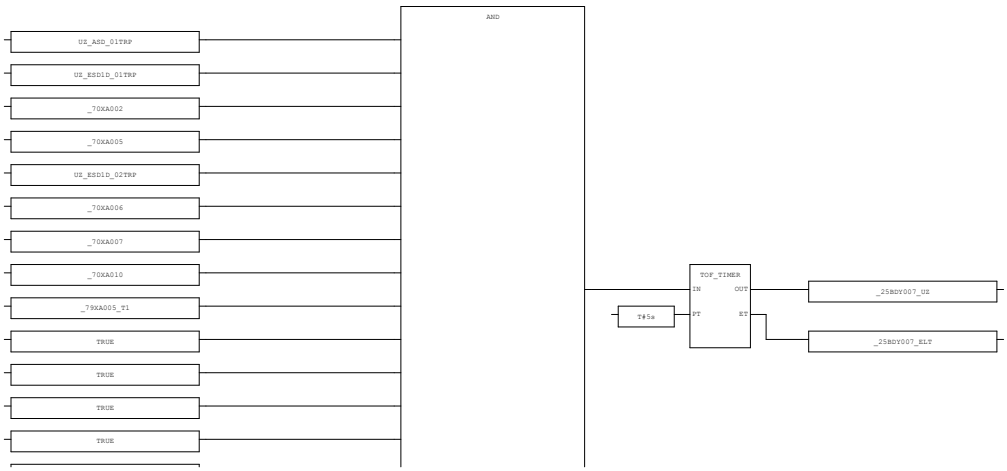
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:53
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

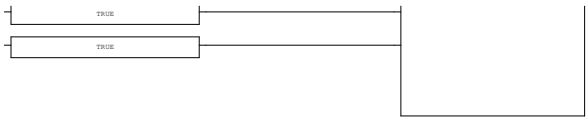
3.20. DO_04 (* Digital Output Processing *)

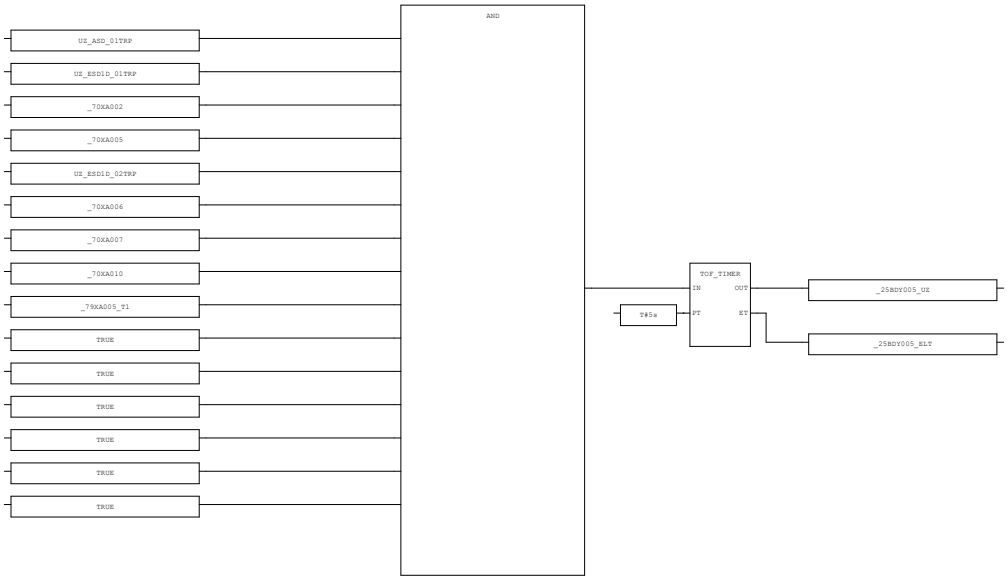


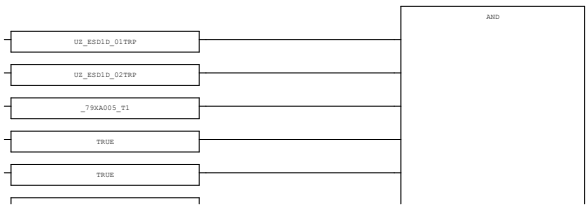



AND
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UZ_ESD1D_01TRP
_70XA002
_70XA005
UZ_ESD1D_02TRP
_70XA006
_70XA007
_70XA010
_79XA005_T1
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TRUE
TOF_TIMER
IN
PT
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_25RDY010_ELT

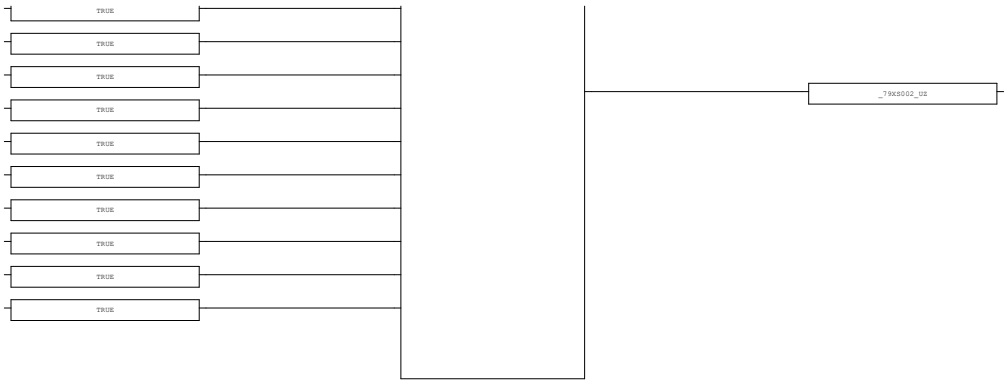

AND
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UZ_ESD1D_01TRP
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_70XA005
UZ_ESD1D_02TRP
_70XA006
_70XA007
_70XA010
_79XA005_T1
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TOF_TIMER
IN
PT
OUT
ES
T#5s
_25RDY007_UZ
_25RDY007_ELT

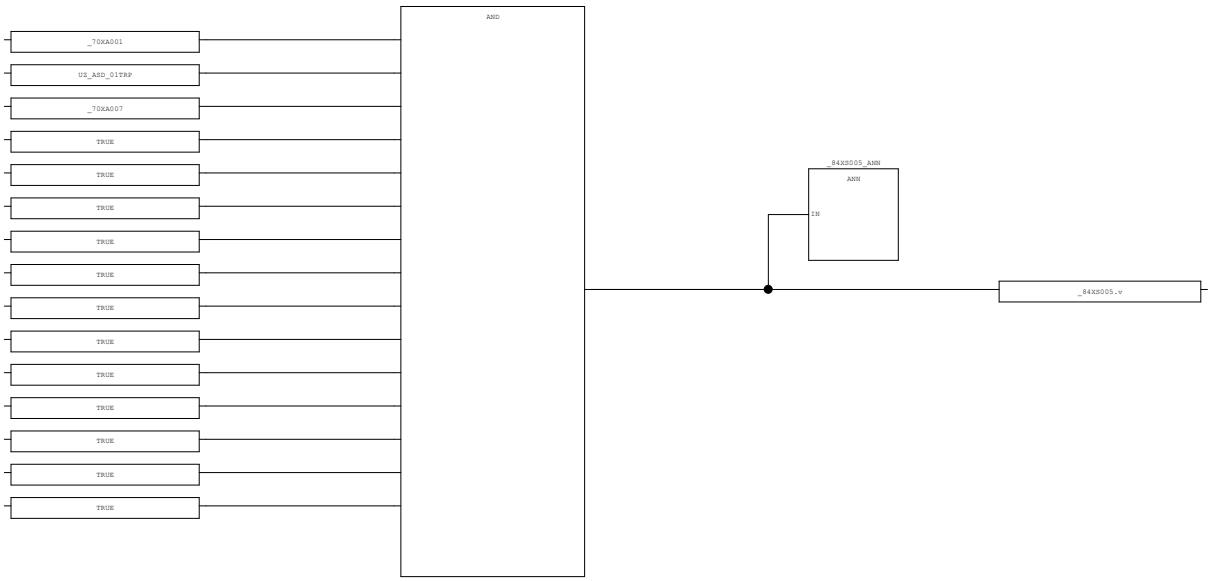




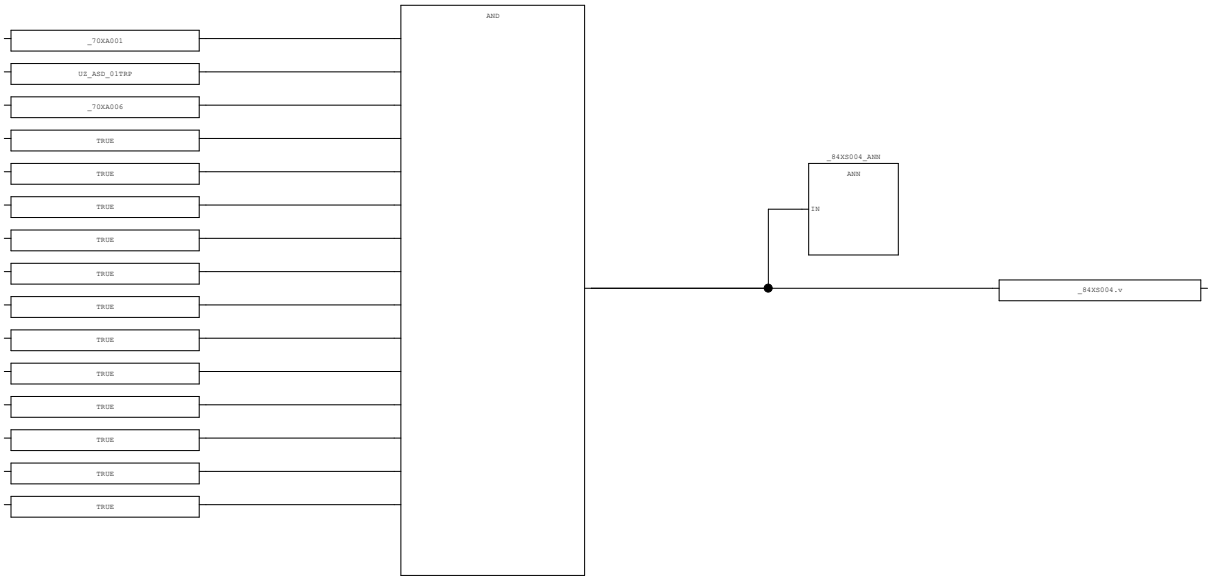


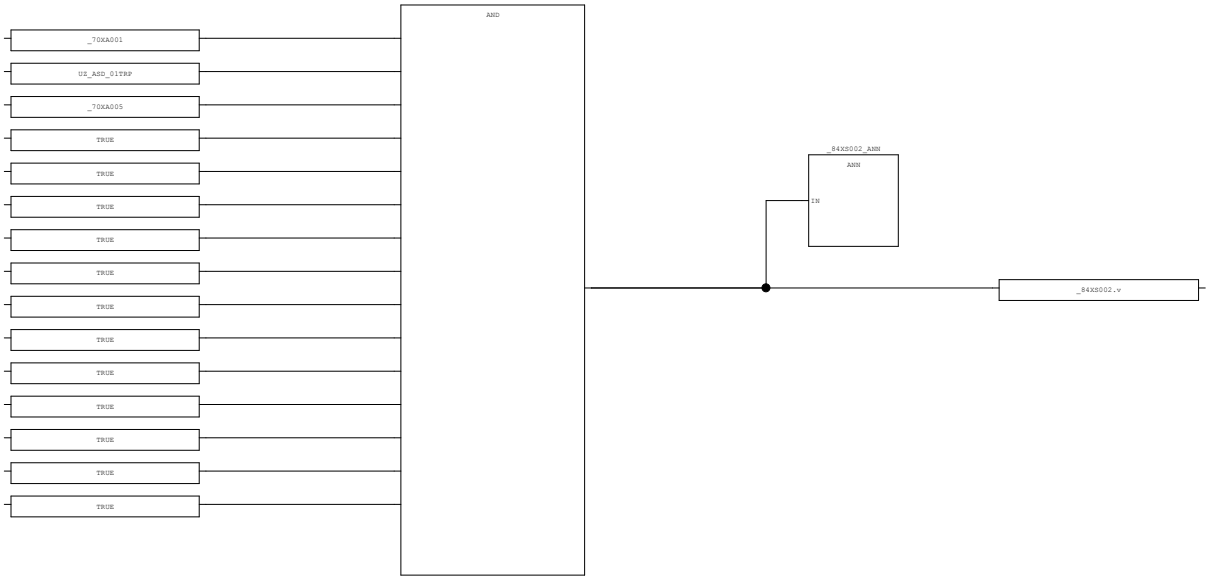
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:56
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103



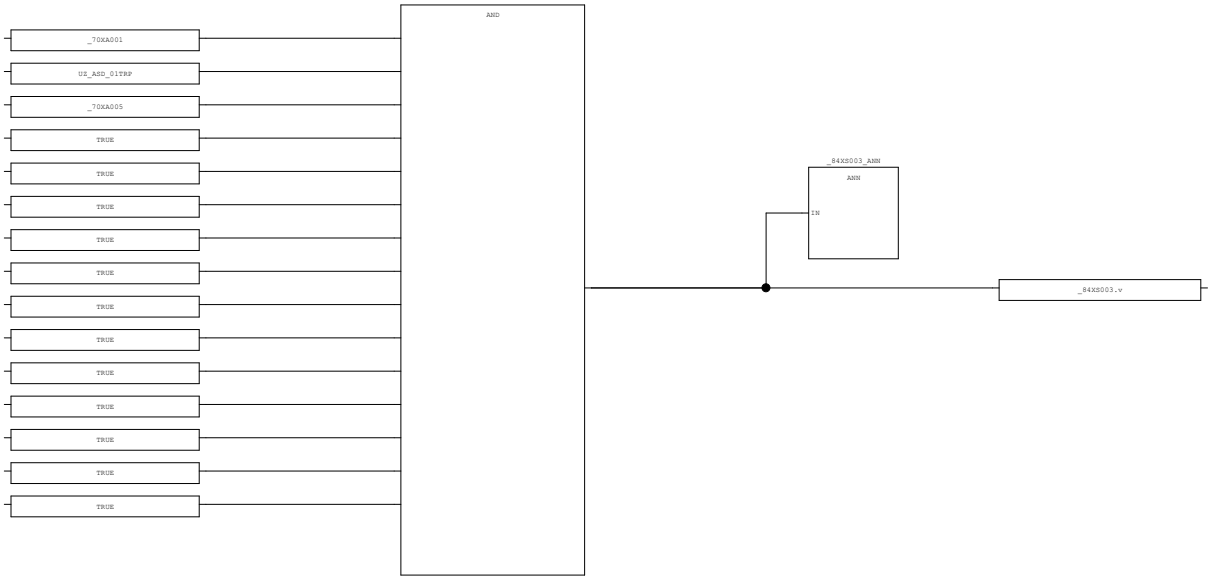


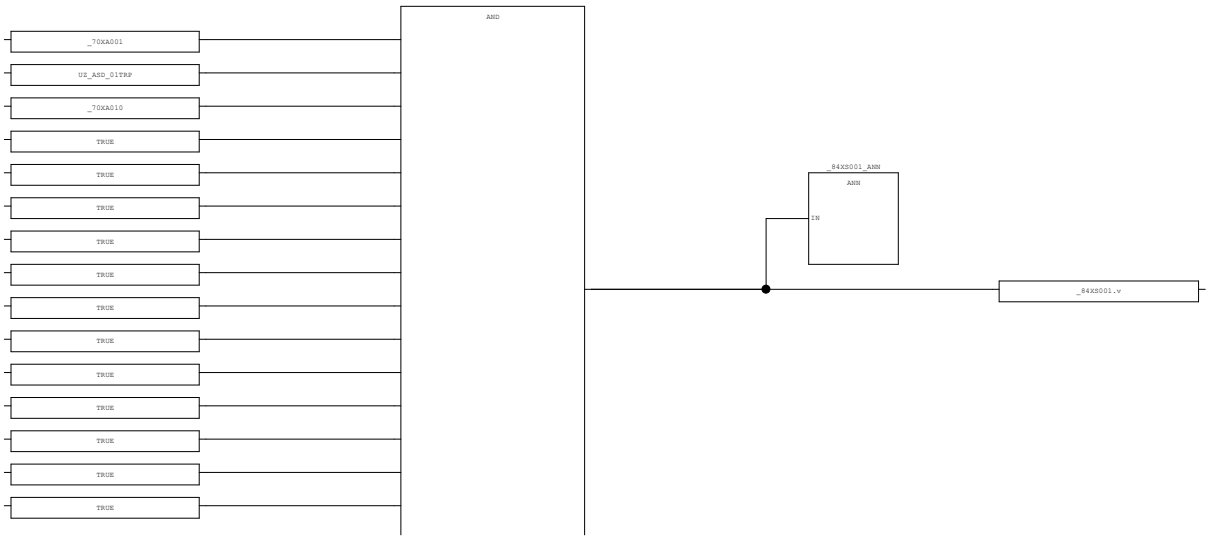
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:57
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103



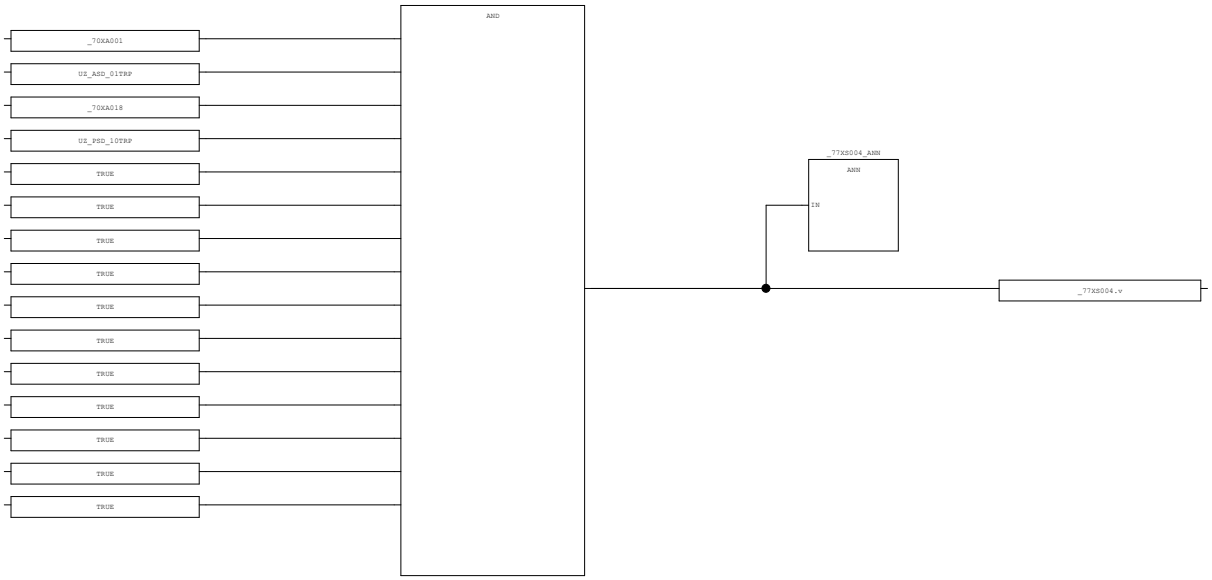


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:58
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103



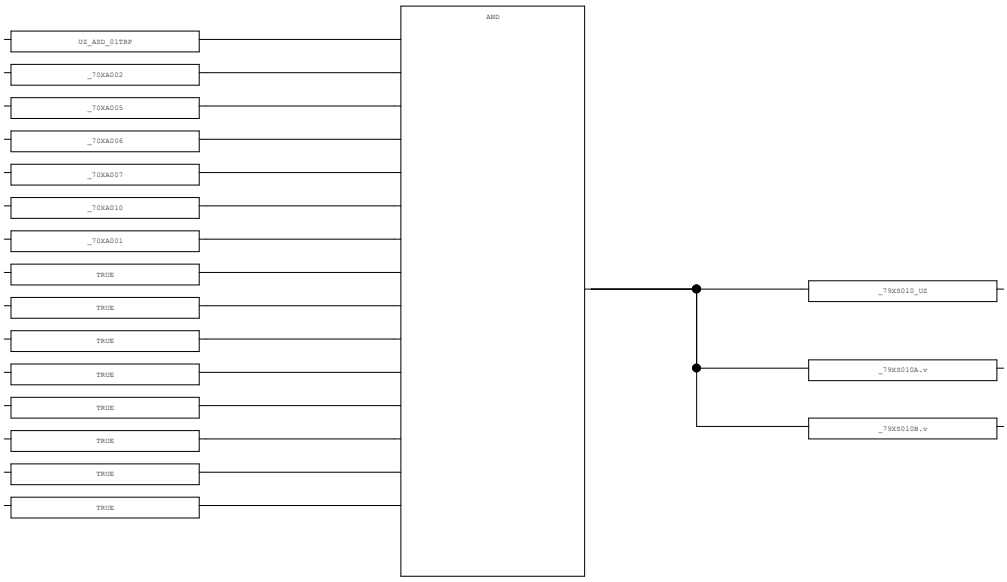


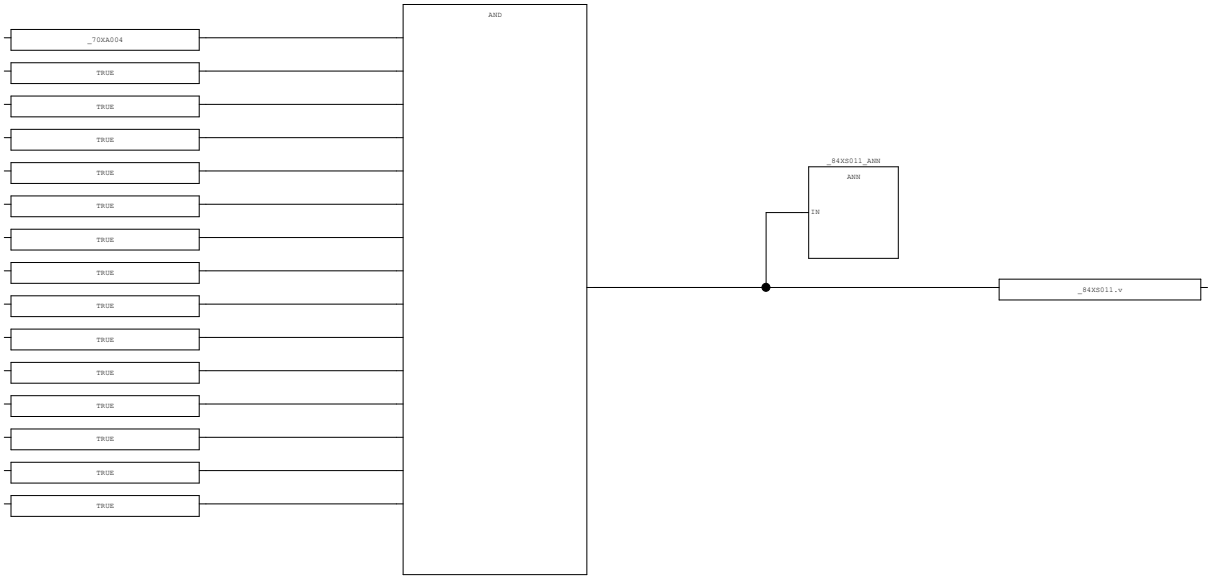
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:59
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

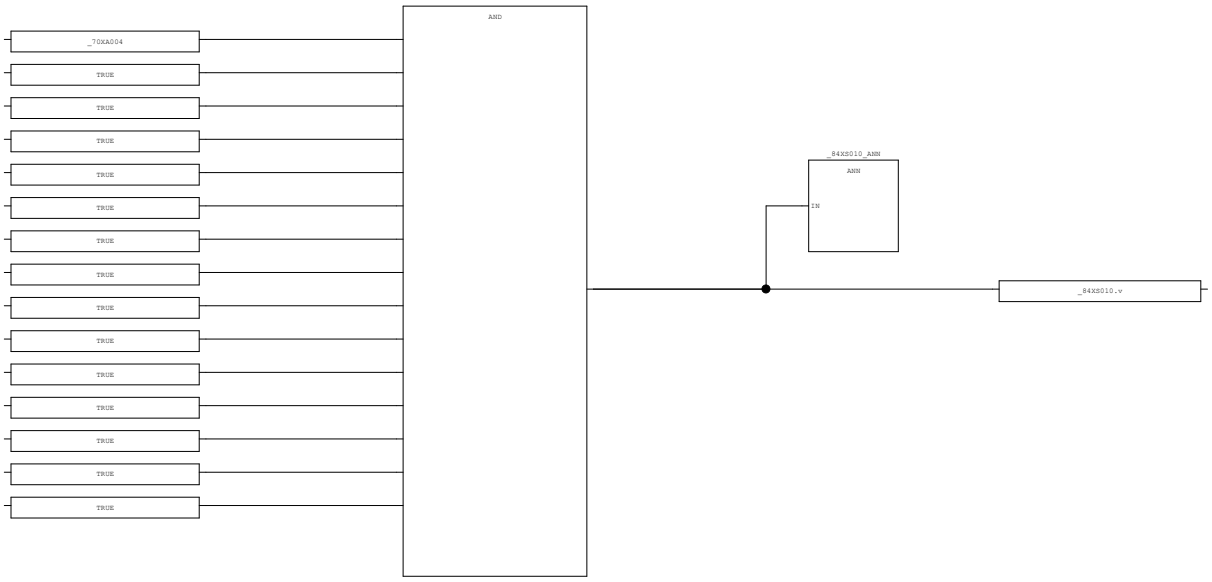


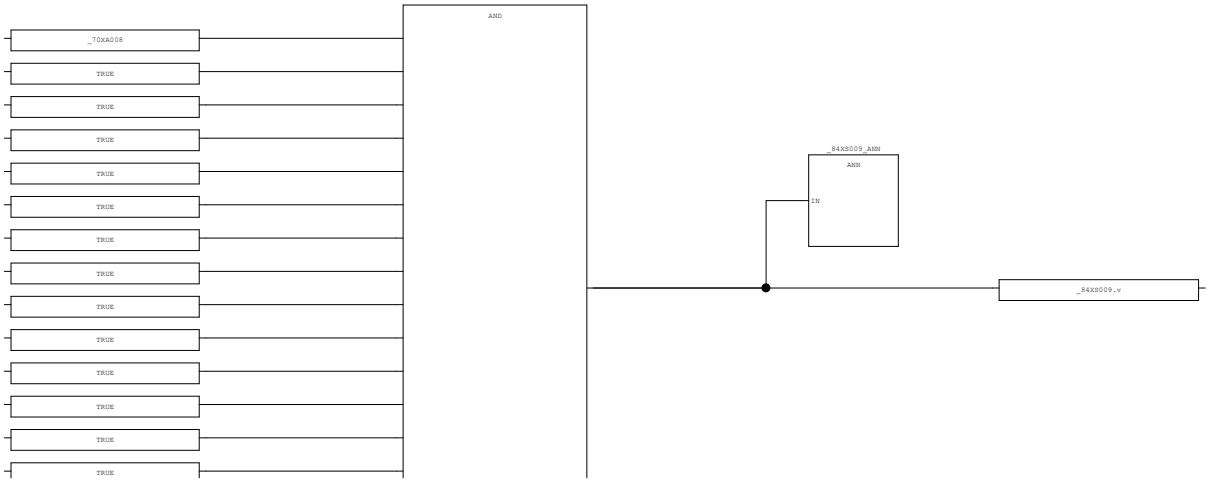
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:60
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.21. DO_05 (* Digital Output Processing *)

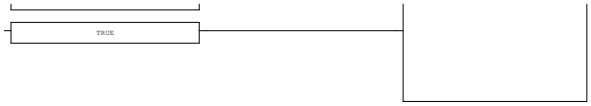


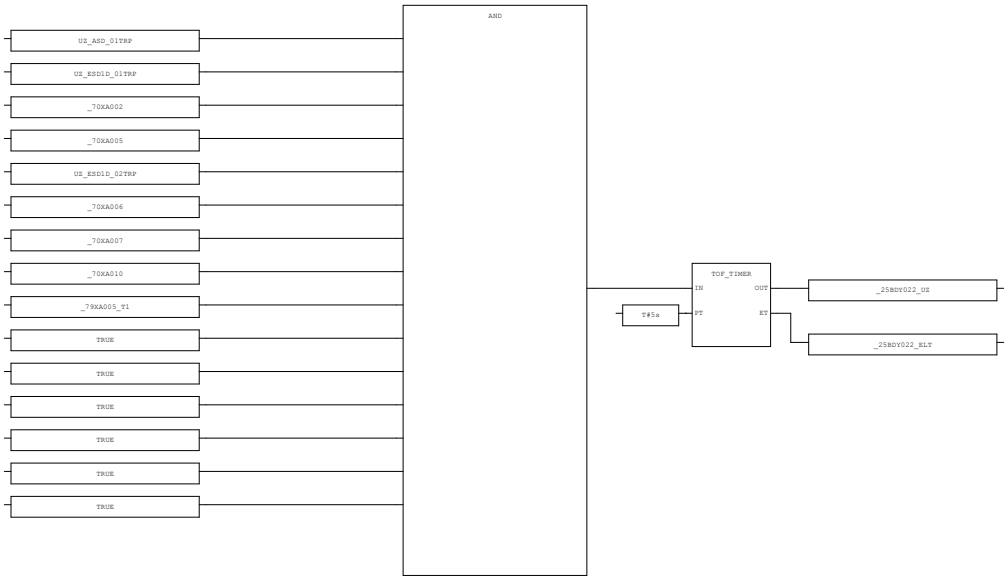


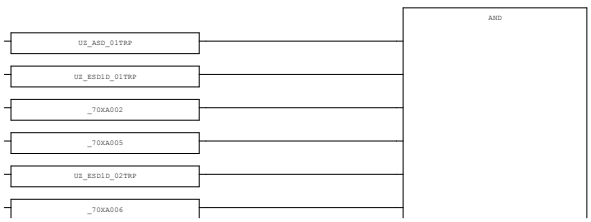


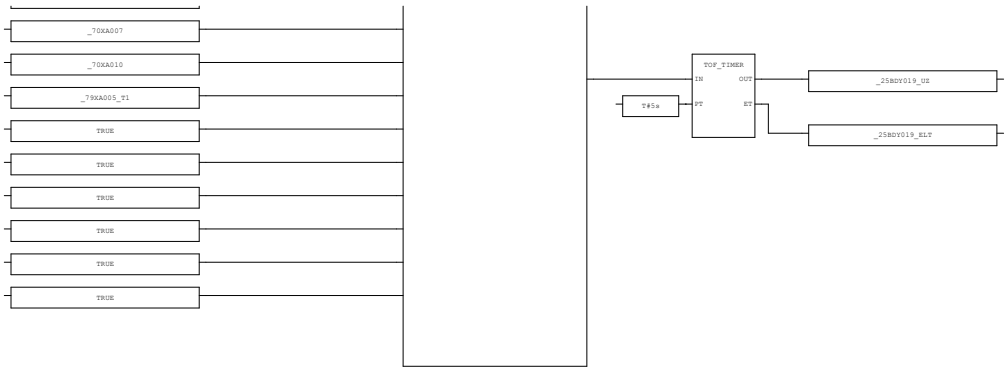


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:62
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103


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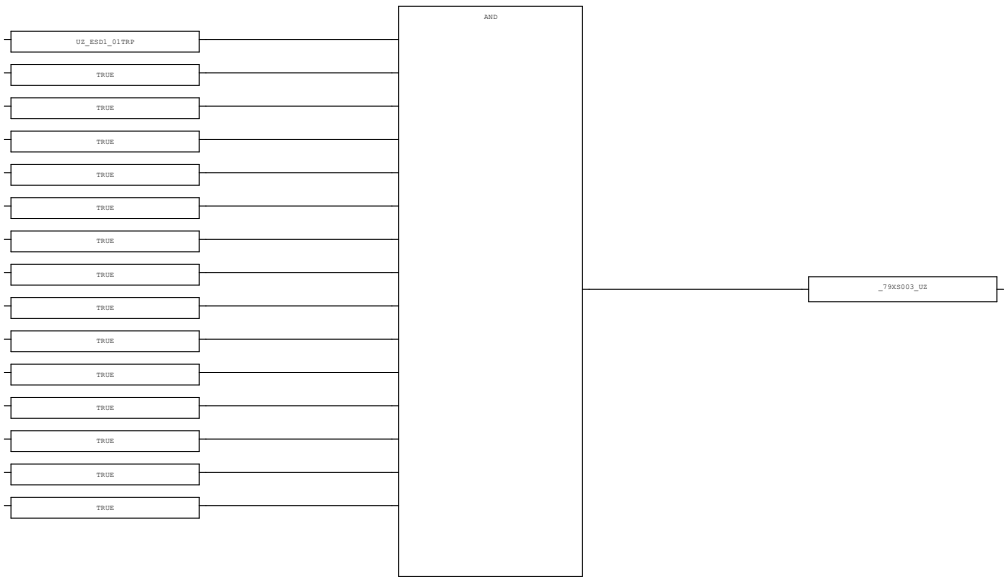

AND
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UZ_ESD1D_01TRP
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_70XA005
UZ_ESD1D_02TRP
_70XA006
_70XA007
_70XA010
_79XA005_T1
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TRUE
TRUE
TRUE
TRUE
TRUE
TOF_TIMER
IN
OUT
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_25RDY022_ELT

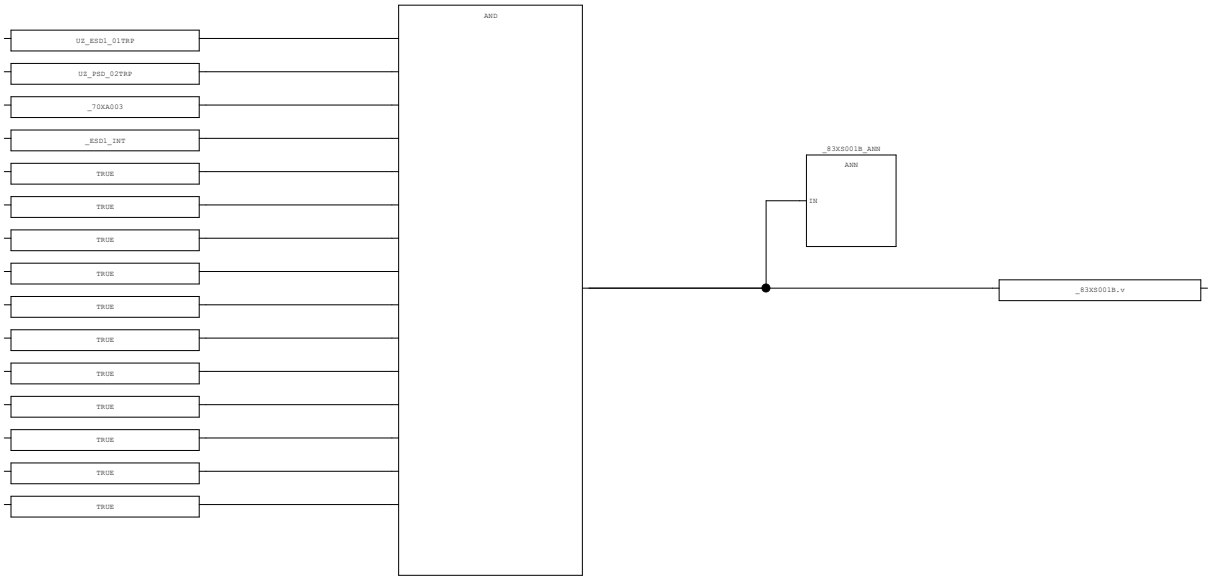

AND
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UZ_ESD1D_01TRP
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_70XA005
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_70XA006

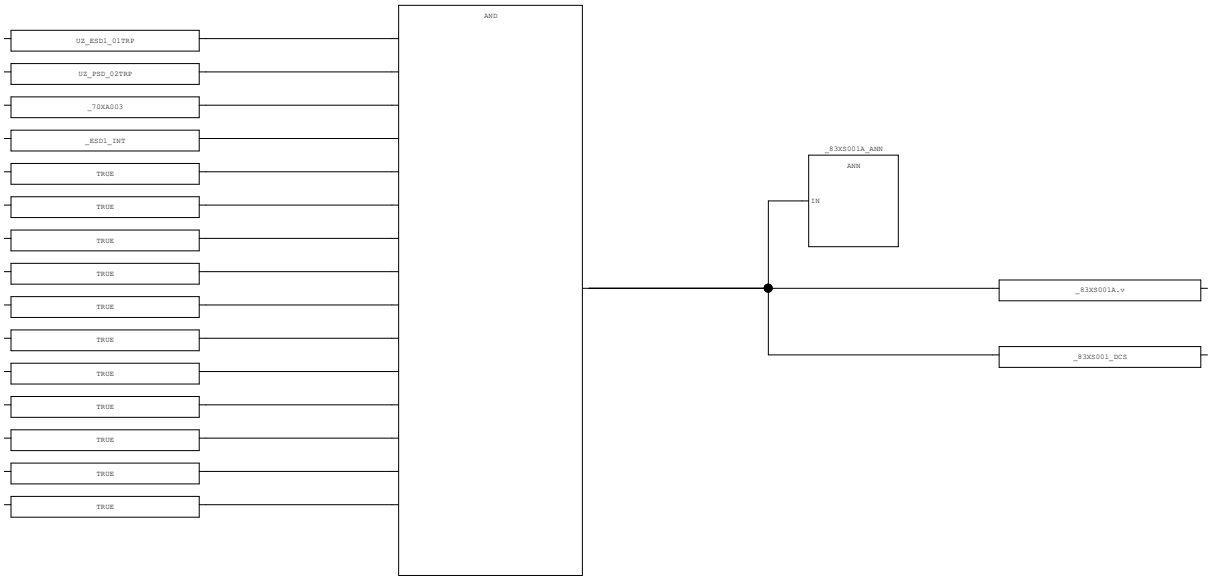


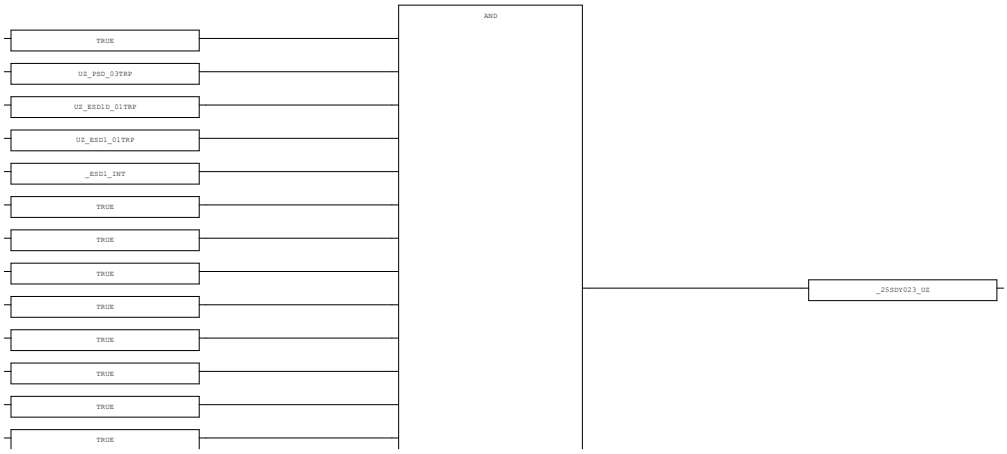
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:64
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.22. DO_06 (* Digital Output Processing *)

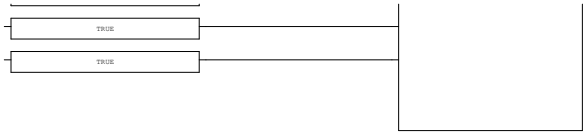


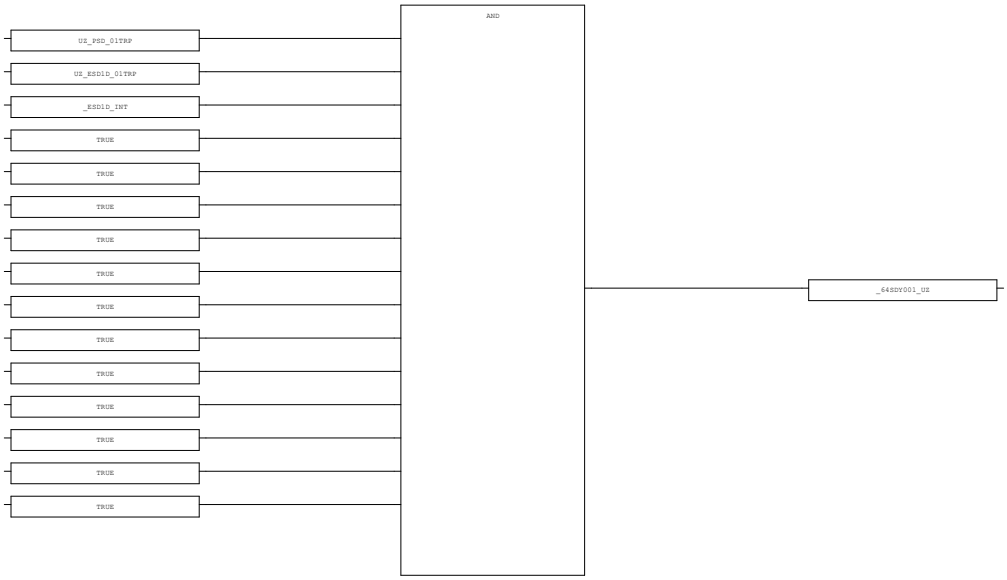






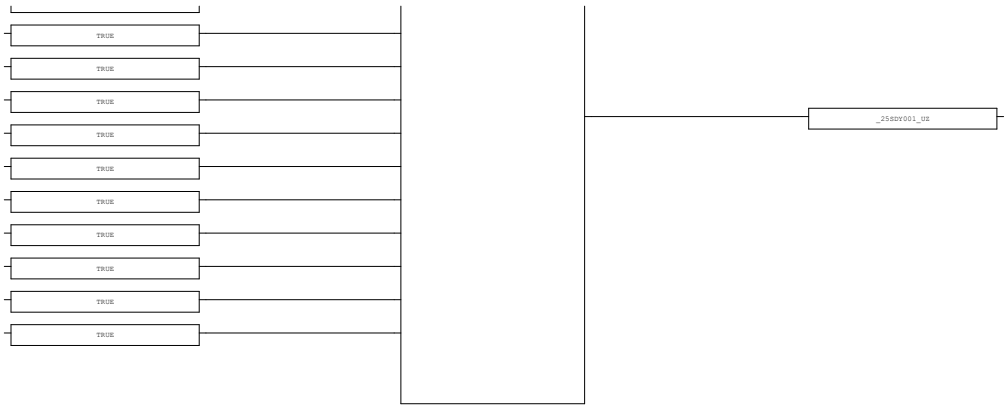
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:66
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103





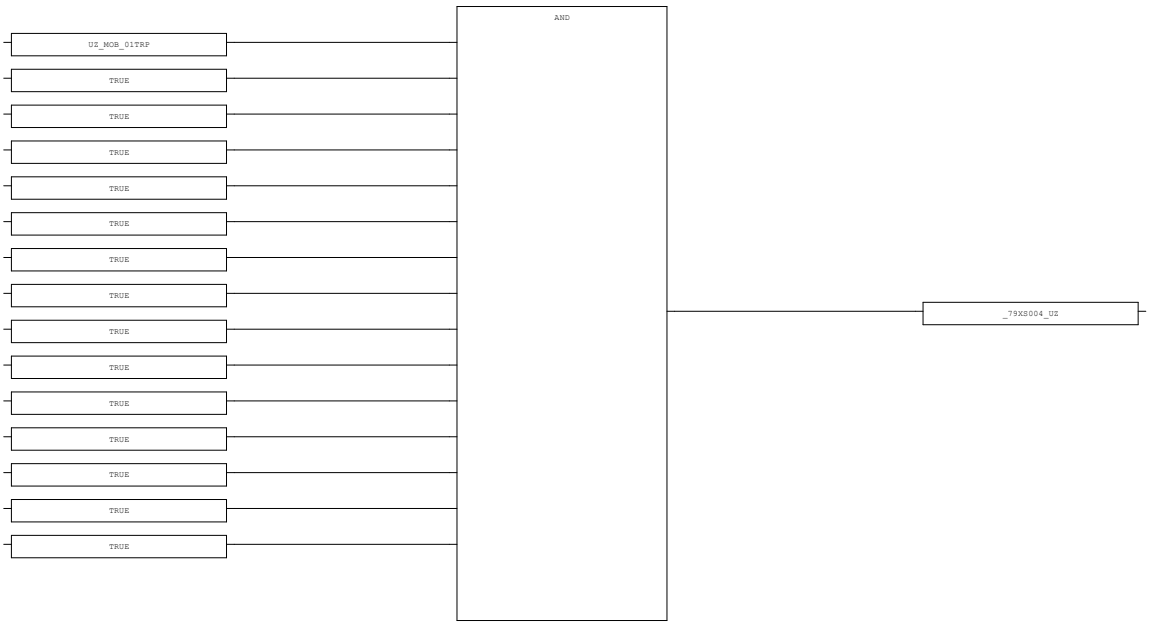


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:67
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
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SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

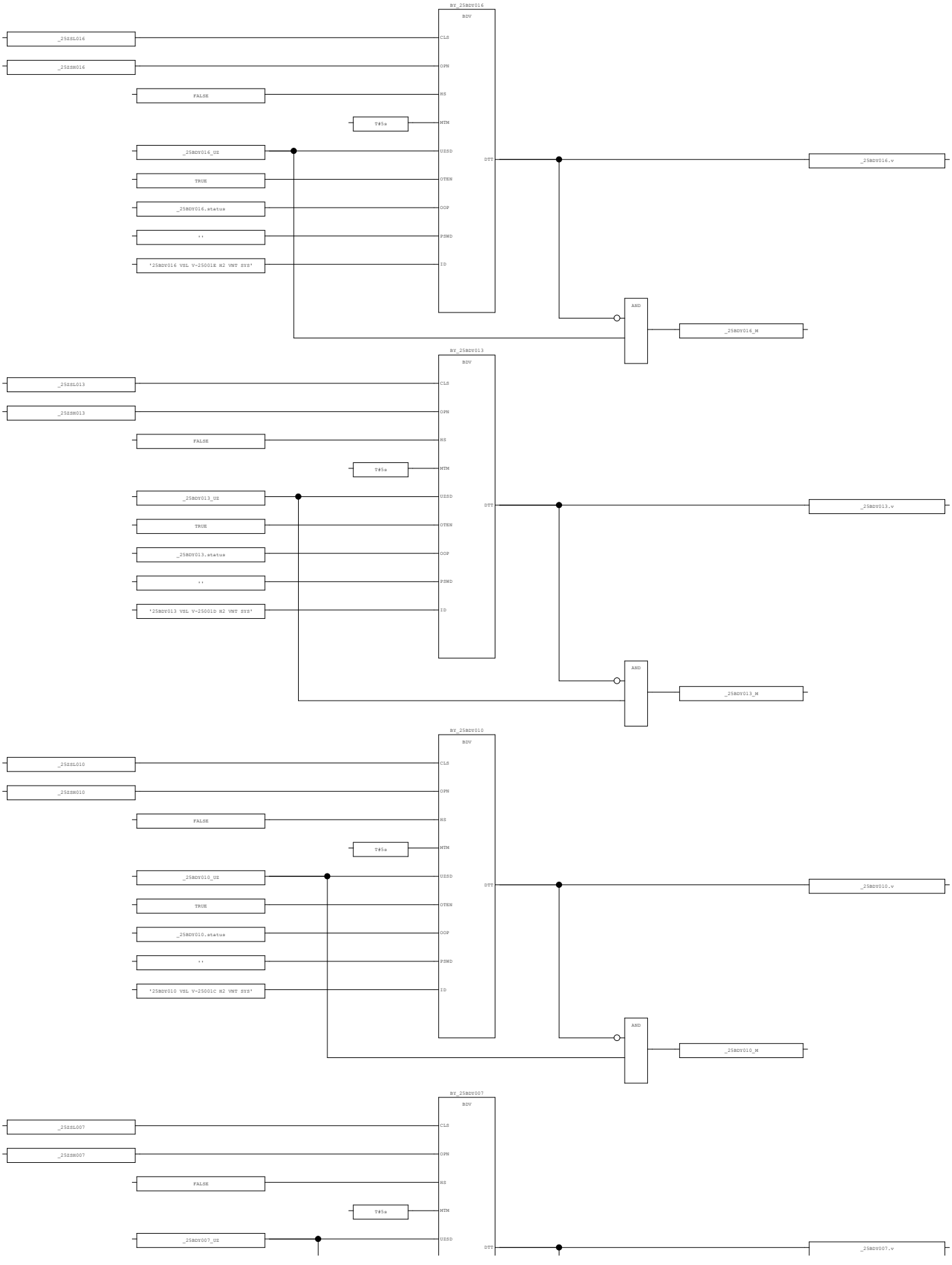


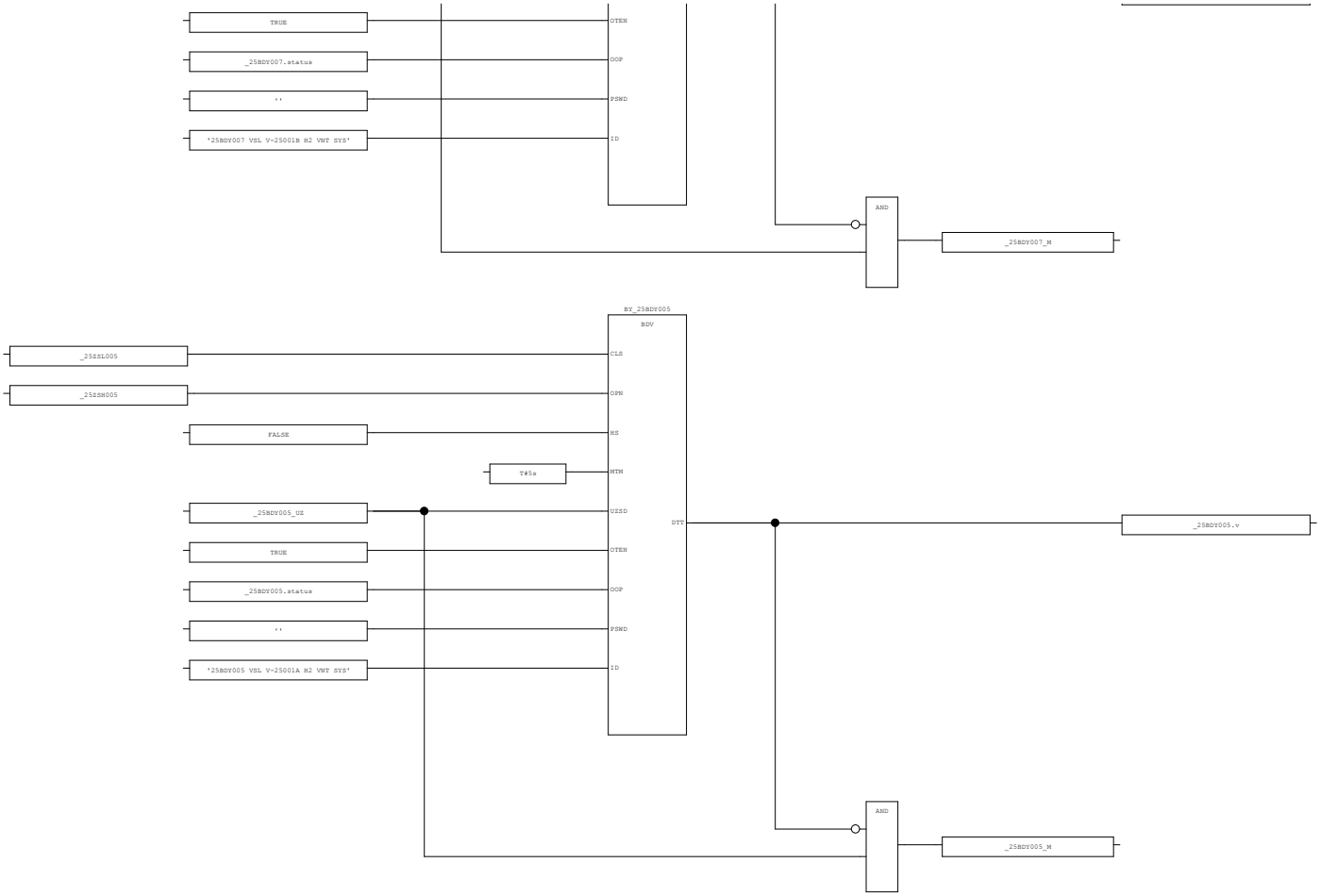
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:68
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.23. DO_07 (* Digital Output Processing *)



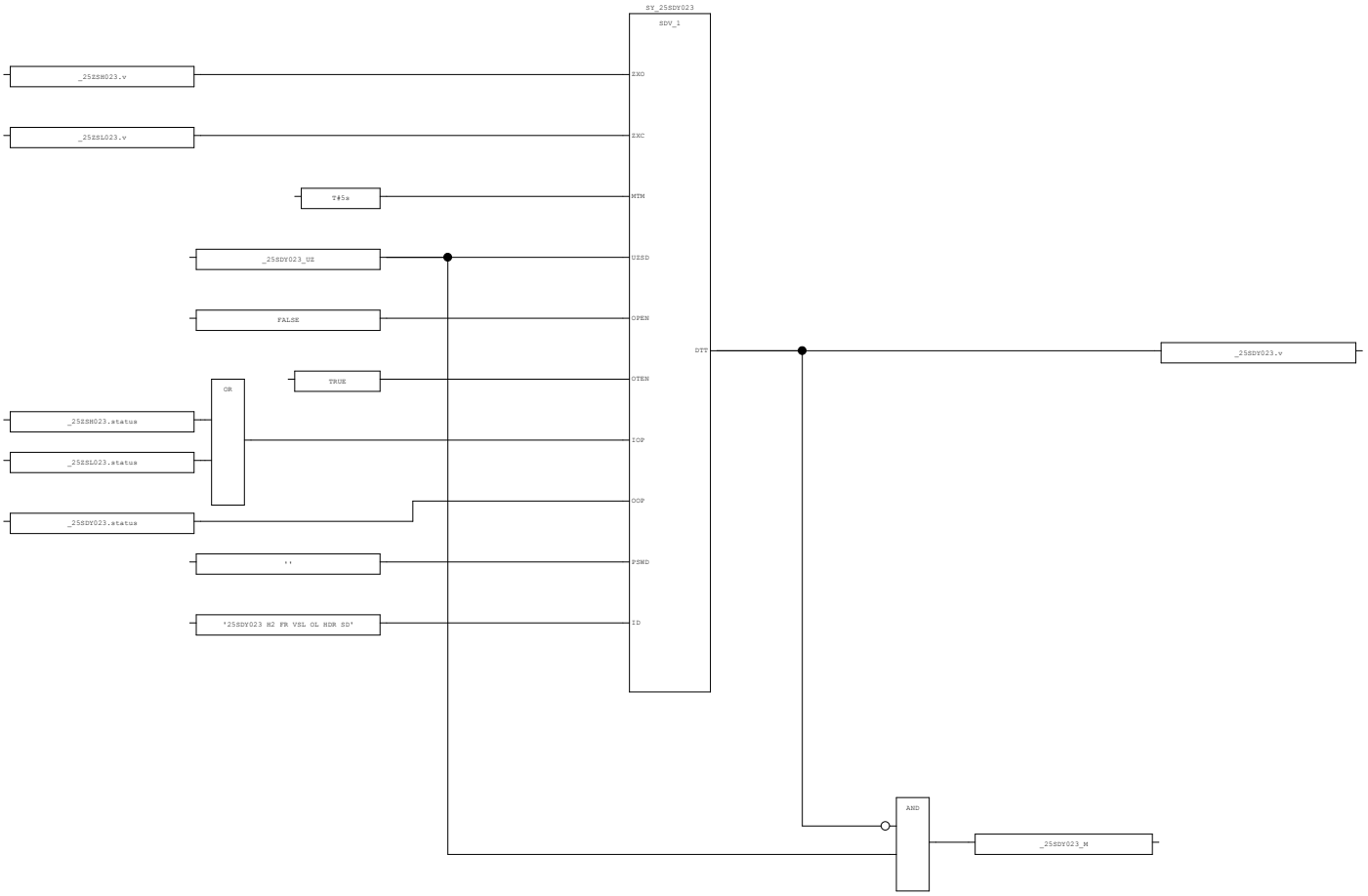
3.24. DO_PROC_01 (* Valve Condtioning *)

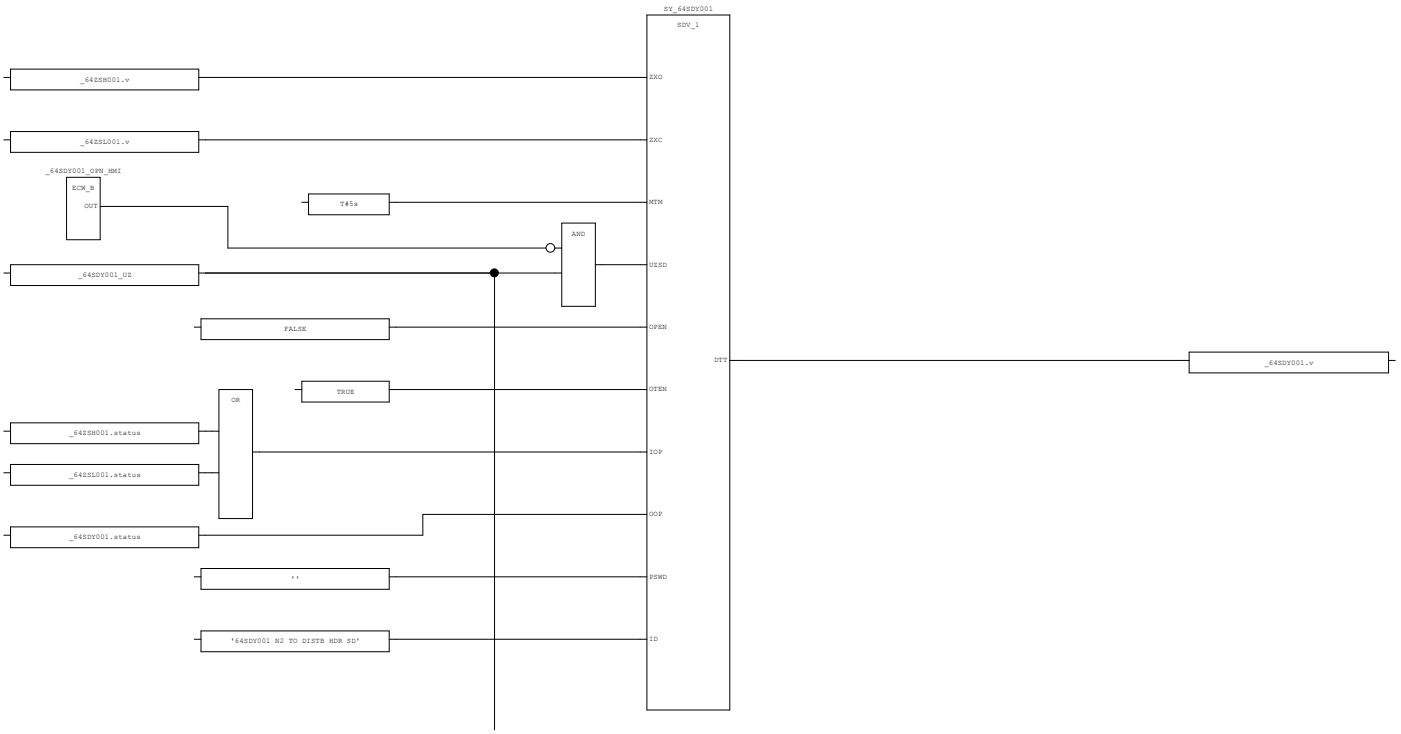


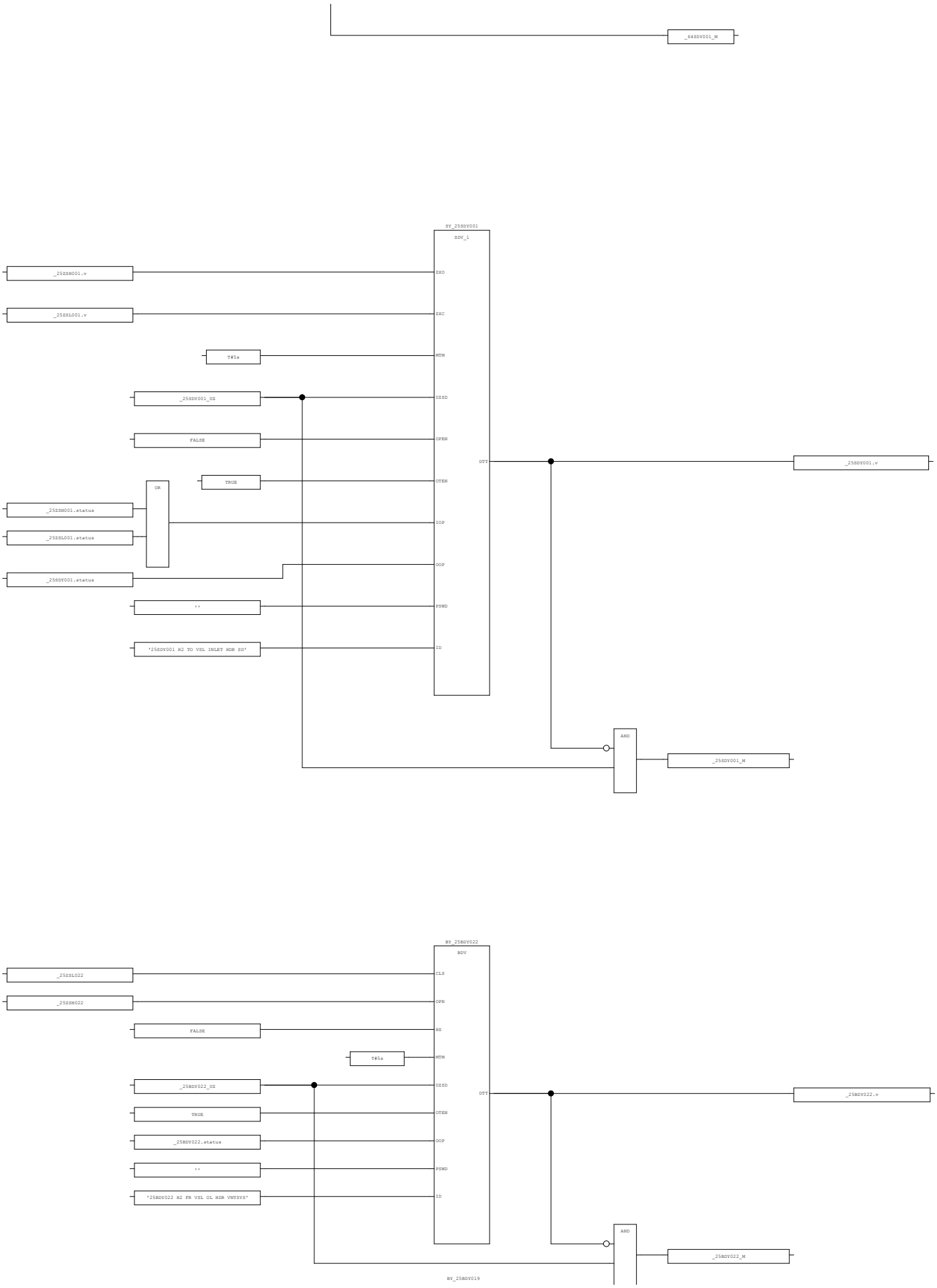


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:71
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

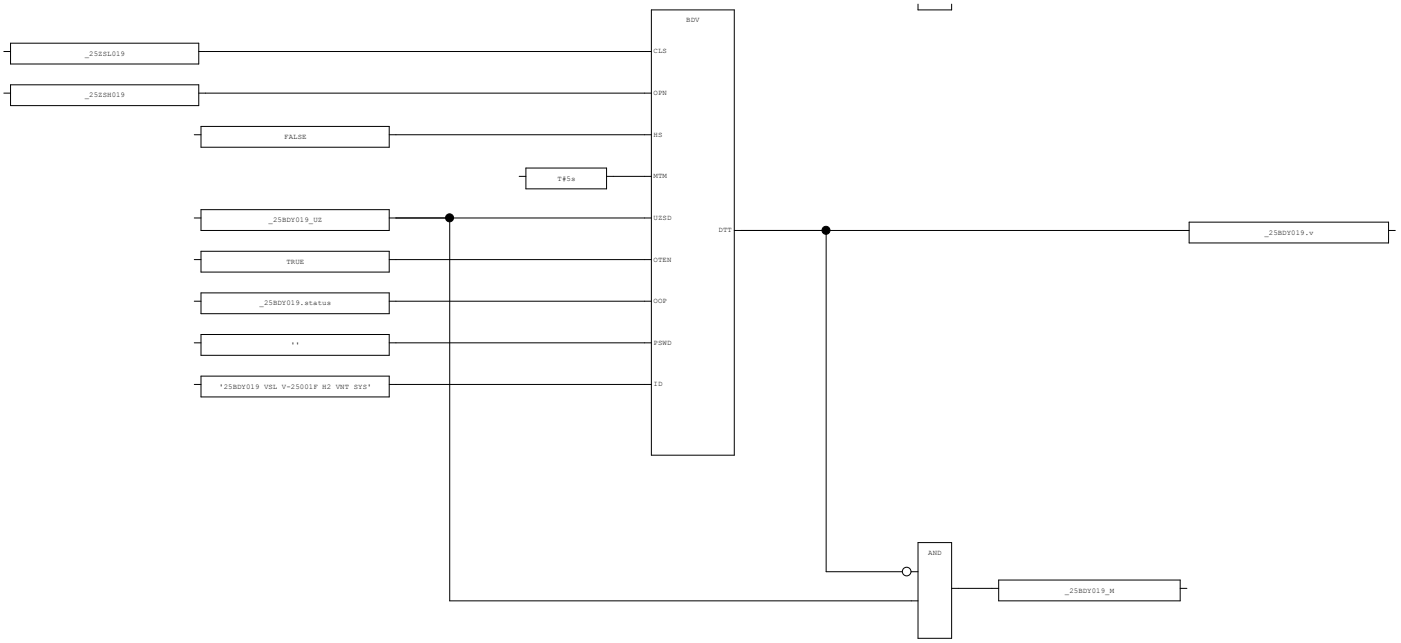
3.25. DO_PROC_02 (* Valve Condtioning *)





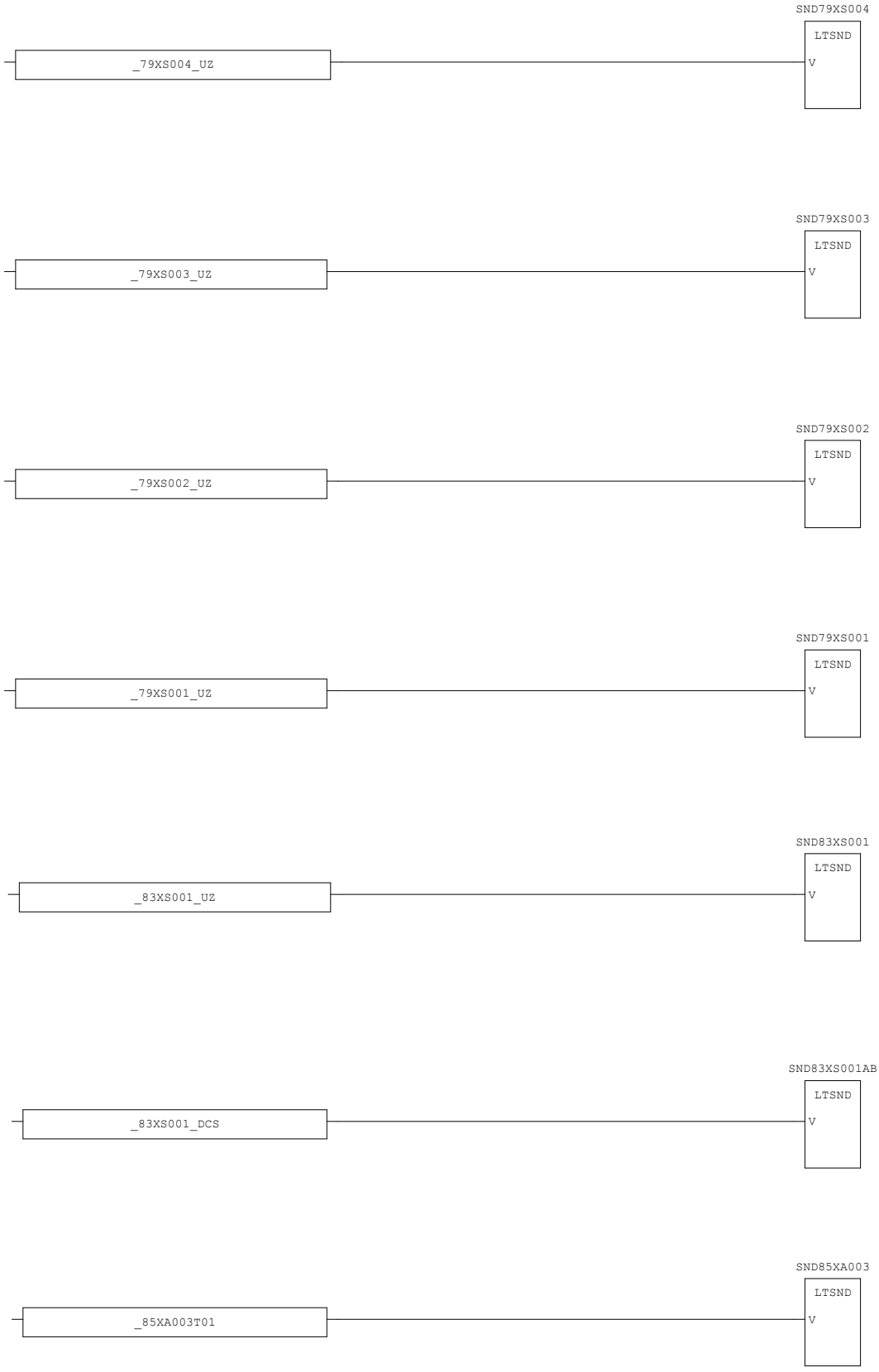


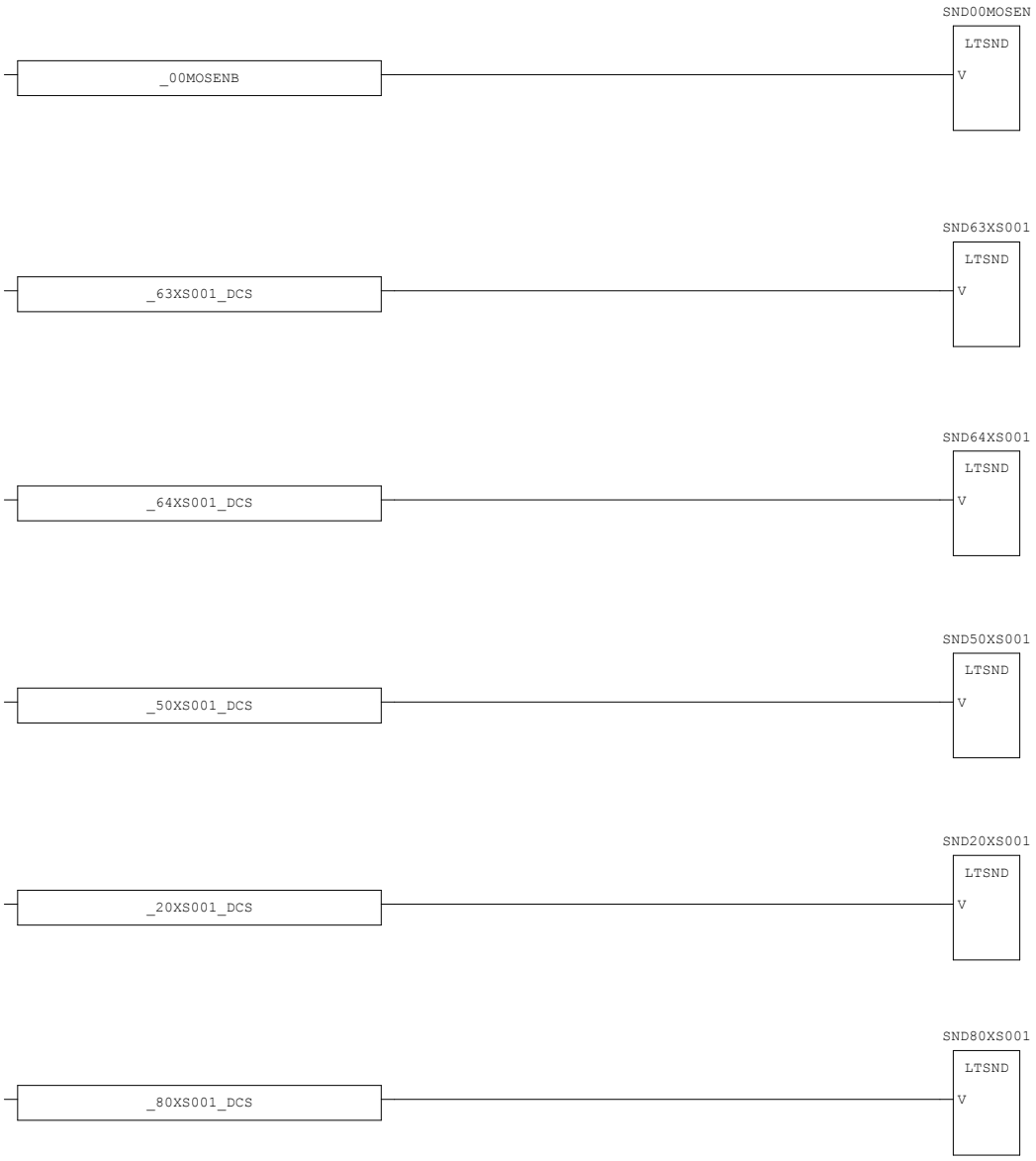
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:73
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103



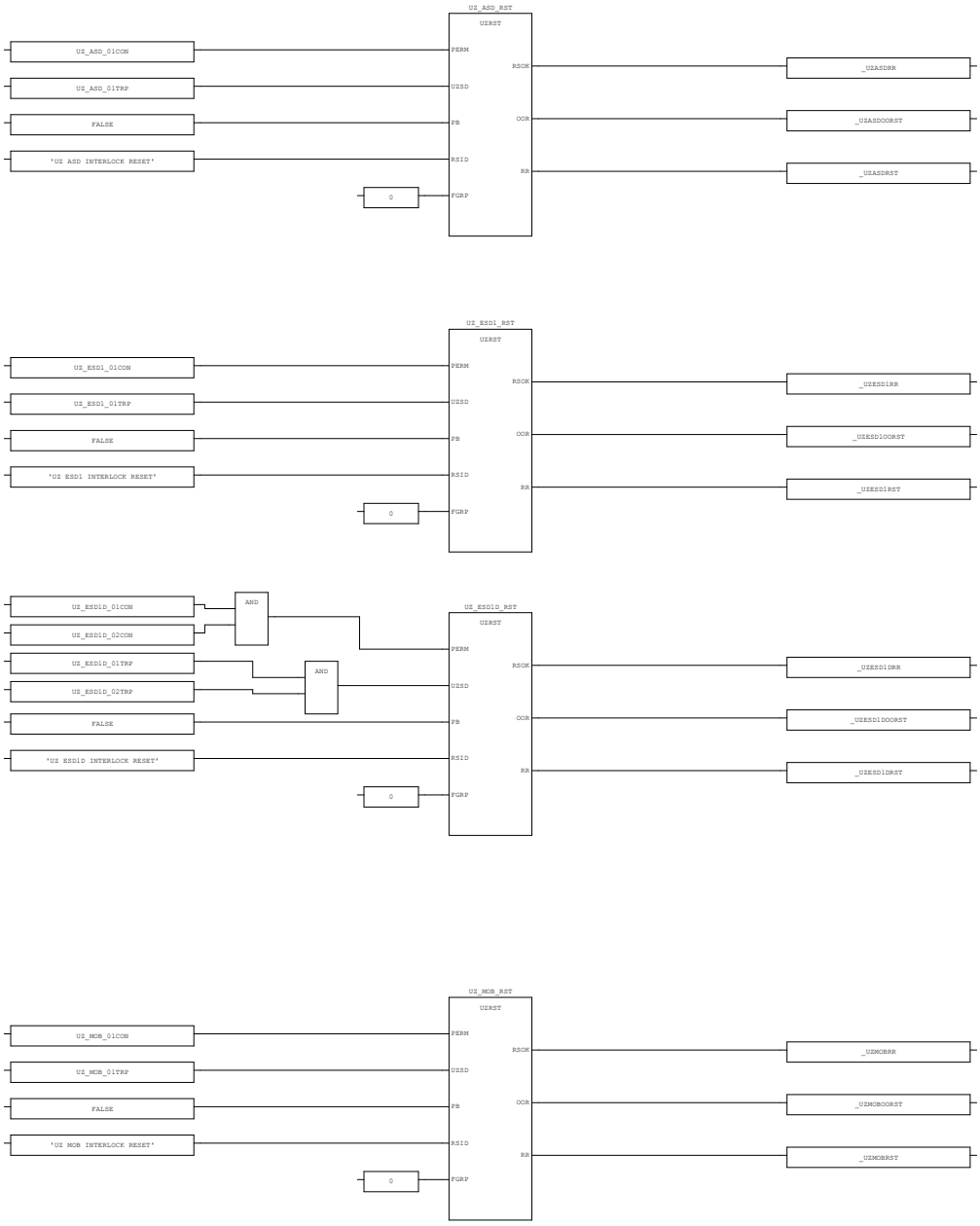
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:74
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

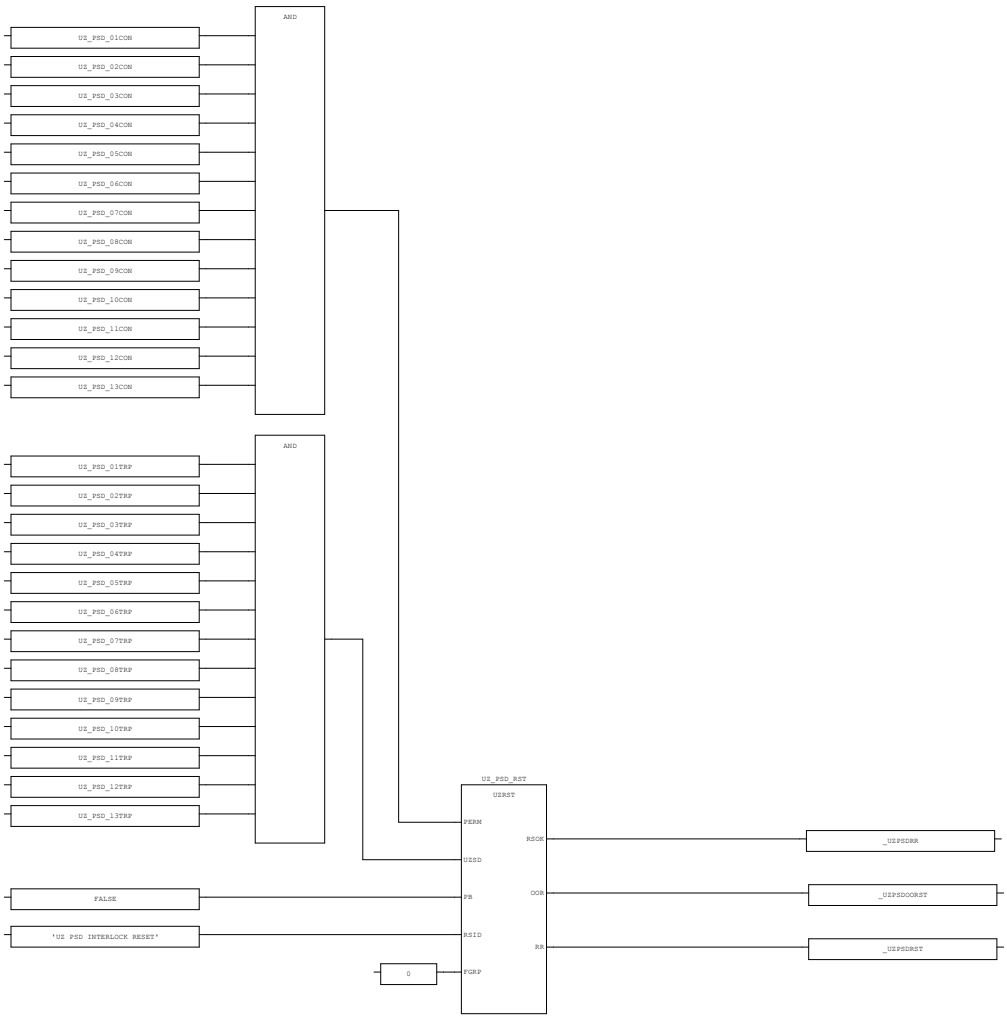
3.26. SEND (* Signal Transfer - Send *)

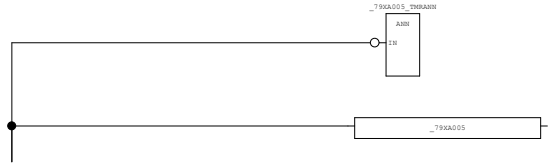



SND00MOSEN
LTSND
V
_00MOSENB
SND63XS001
LTSND
V
_63XS001_DCS
SND64XS001
LTSND
V
_64XS001_DCS
SND50XS001
LTSND
V
_50XS001_DCS
SND20XS001
LTSND
V
_20XS001_DCS
SND80XS001
LTSND
V
_80XS001_DCS

3.27. Logics1 (* RST-COMM LOGICS *)

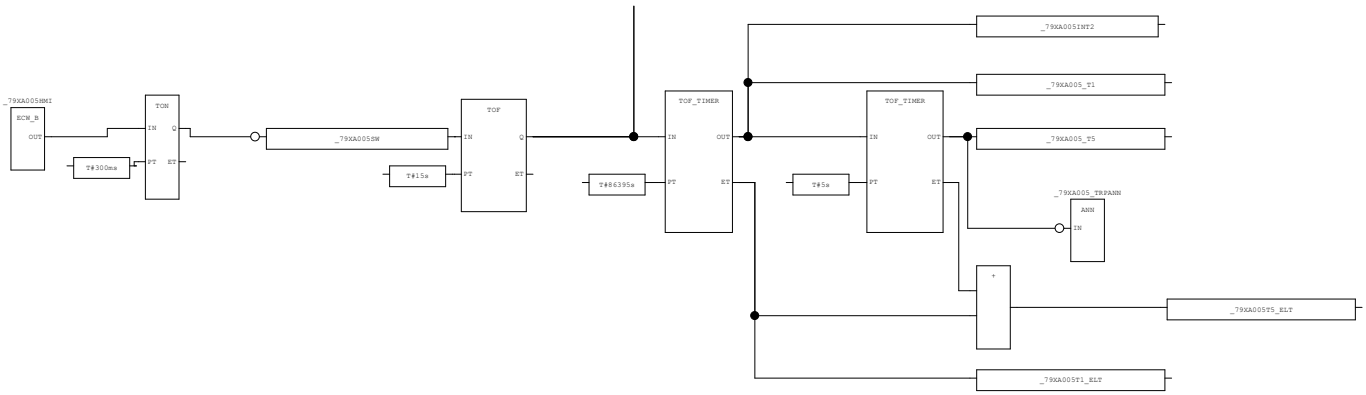






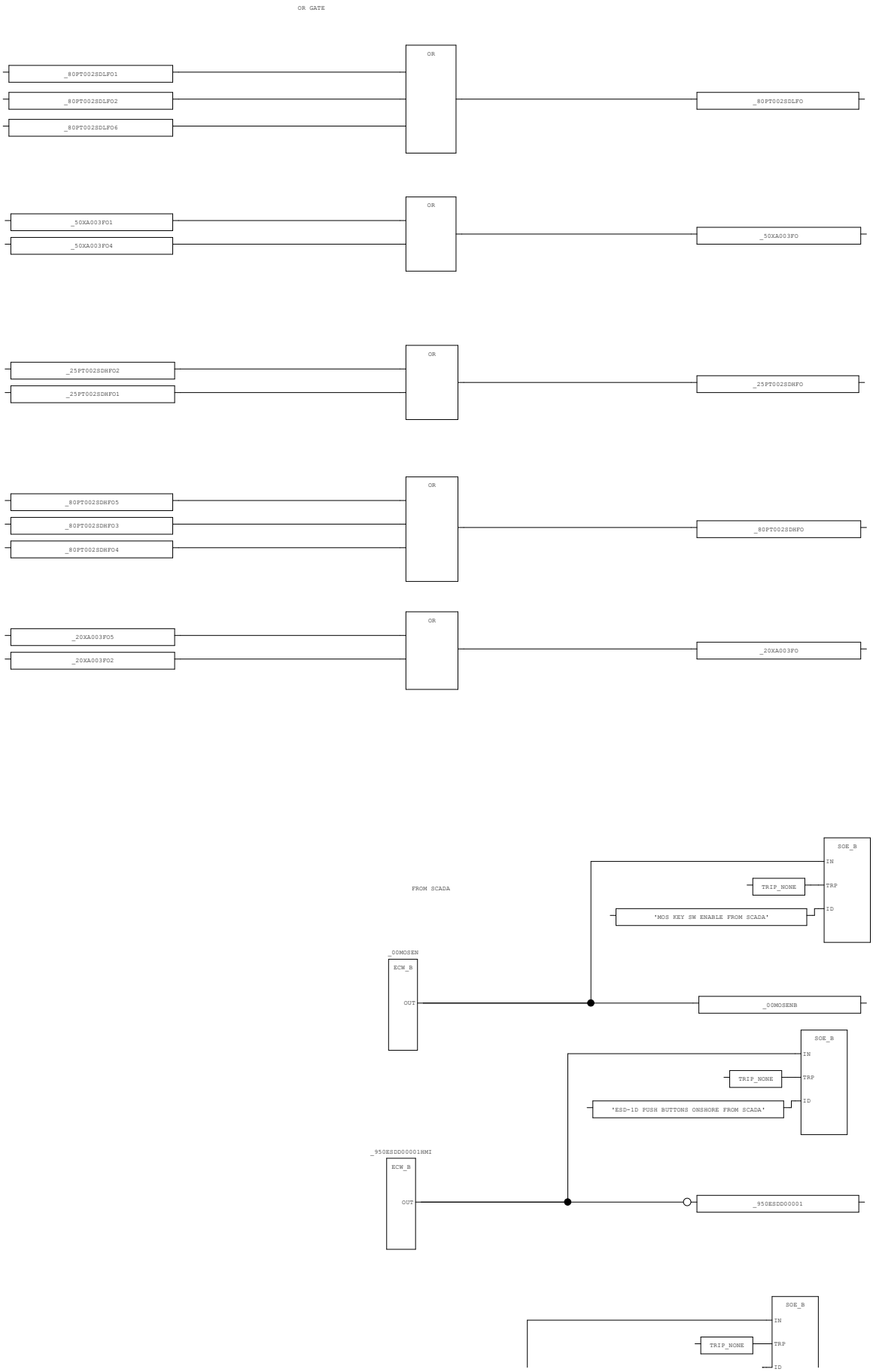
WATCHDOG TIMER FROM SCADA FOR LOSS OF COMMUNICATION

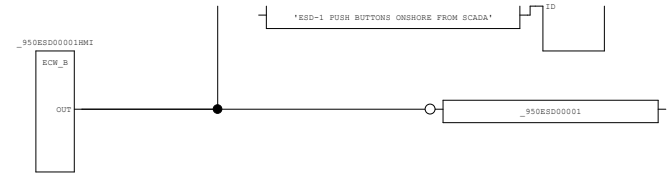
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:78
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103



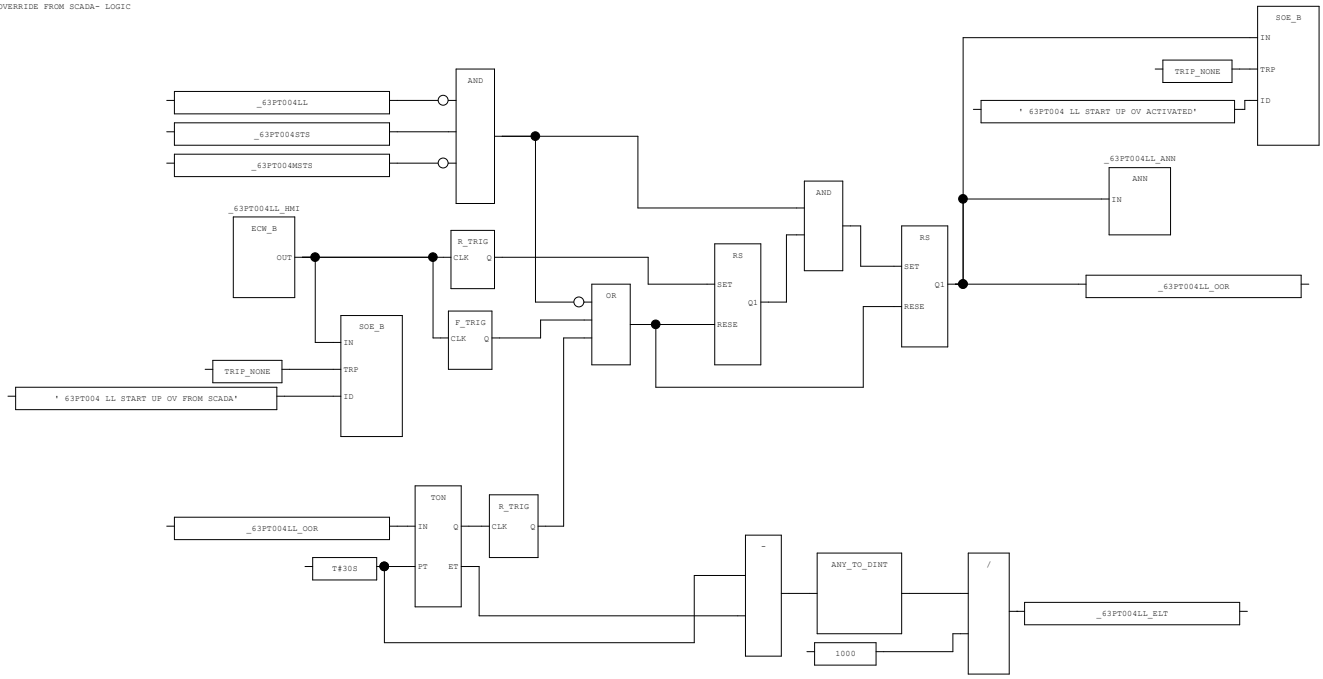
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:79
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

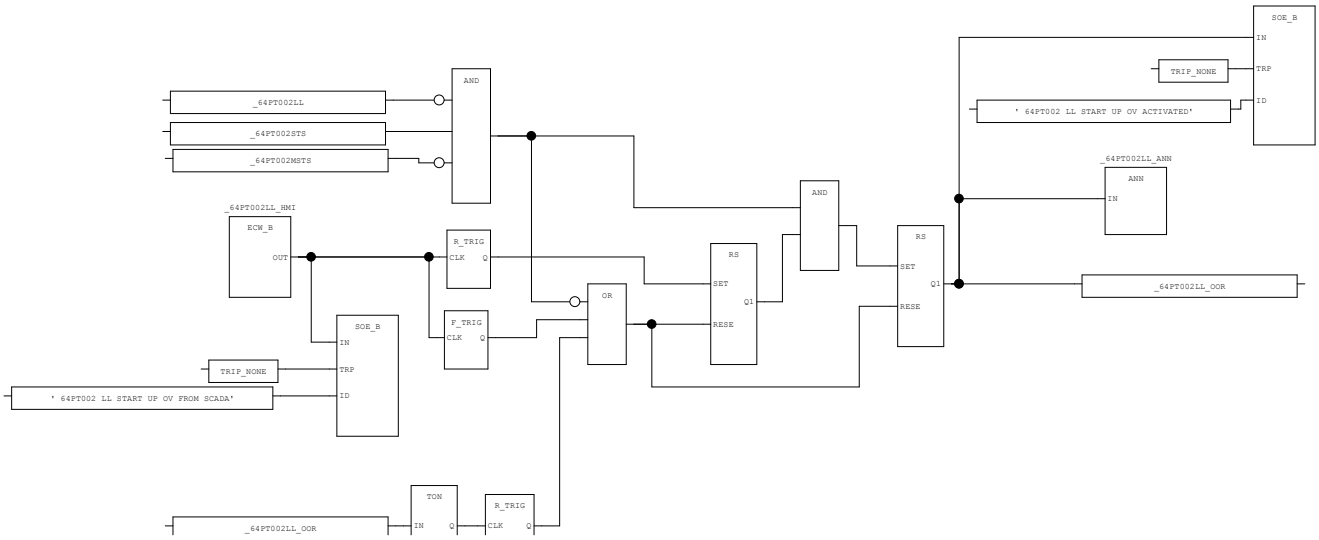
3.28. Logics2 (* OR GATE-MOS ENB LOGICS *)



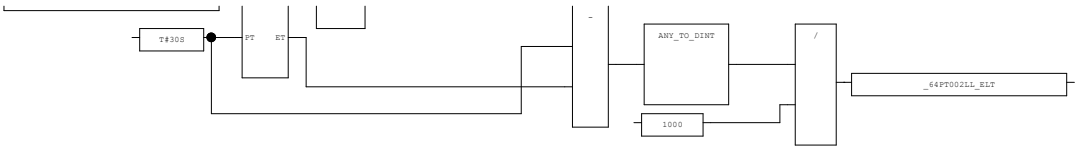


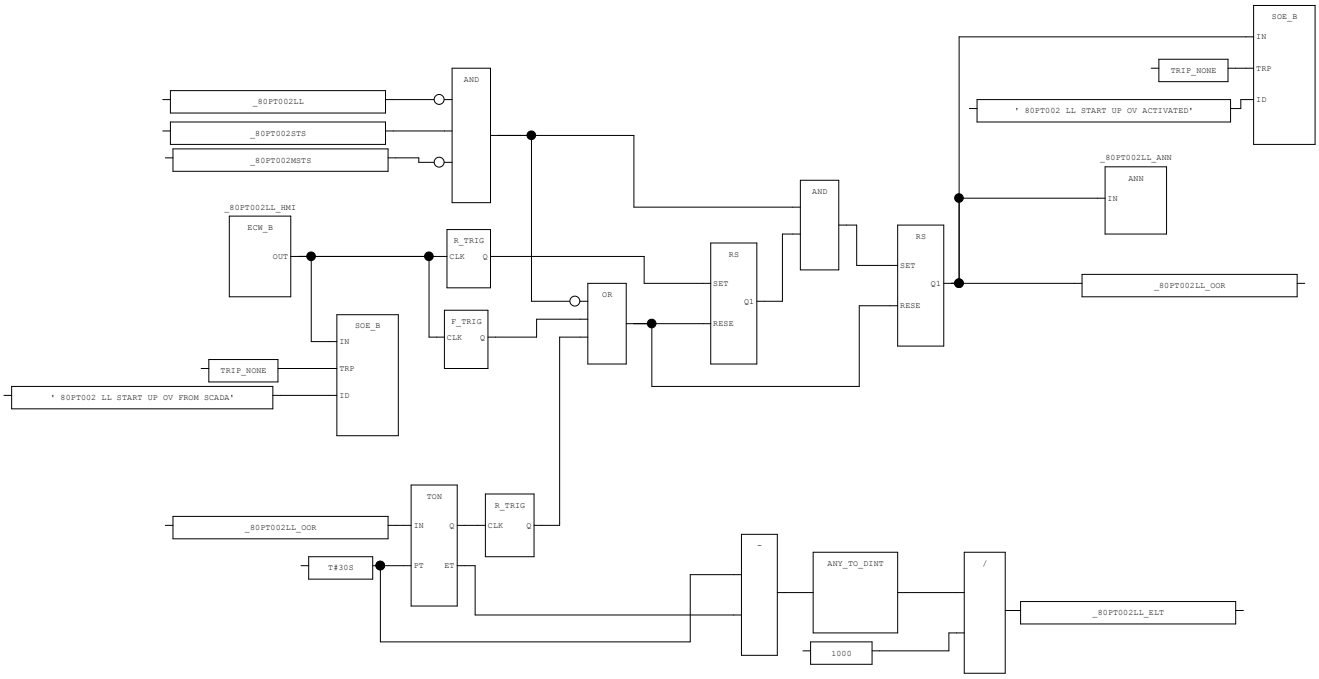
START UP OVERRIDE FROM SCADA- LOGIC



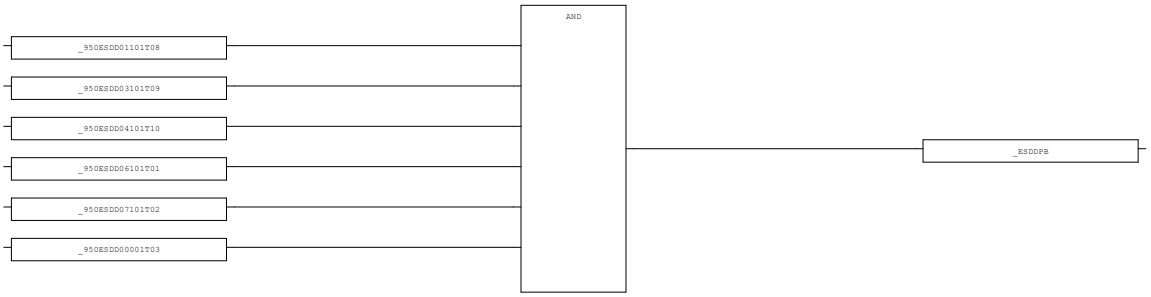


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:81
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

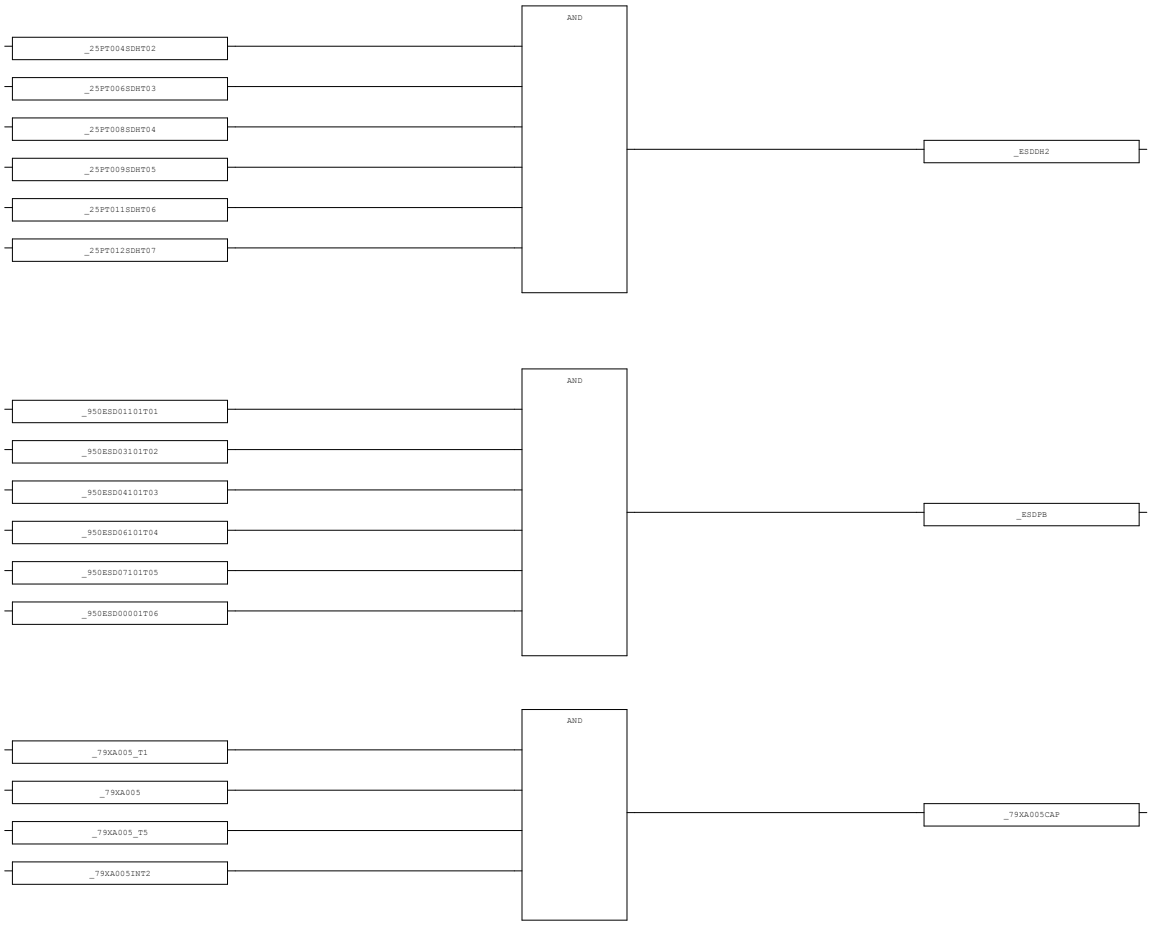




CAP LOGIC

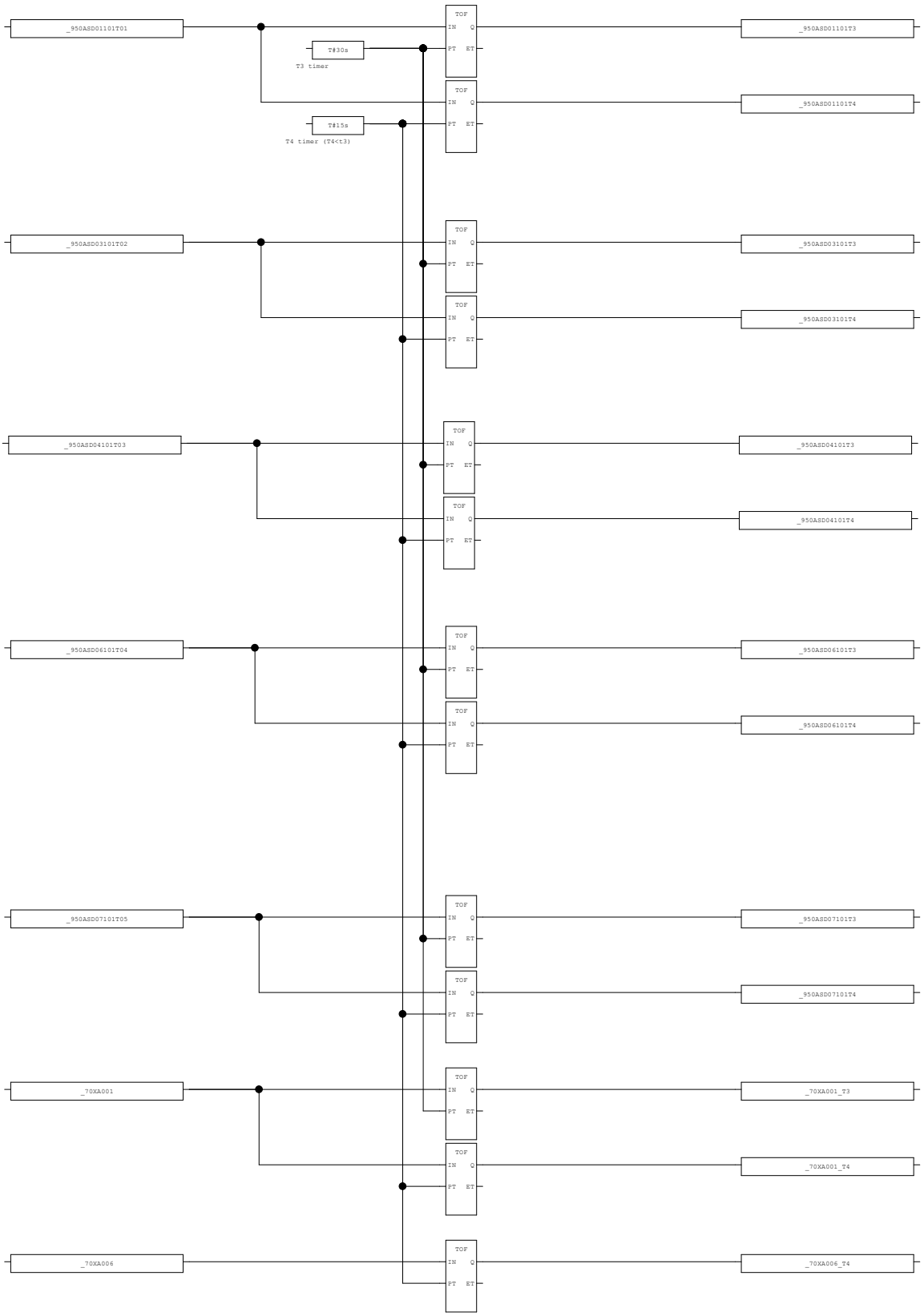


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:82
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
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SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

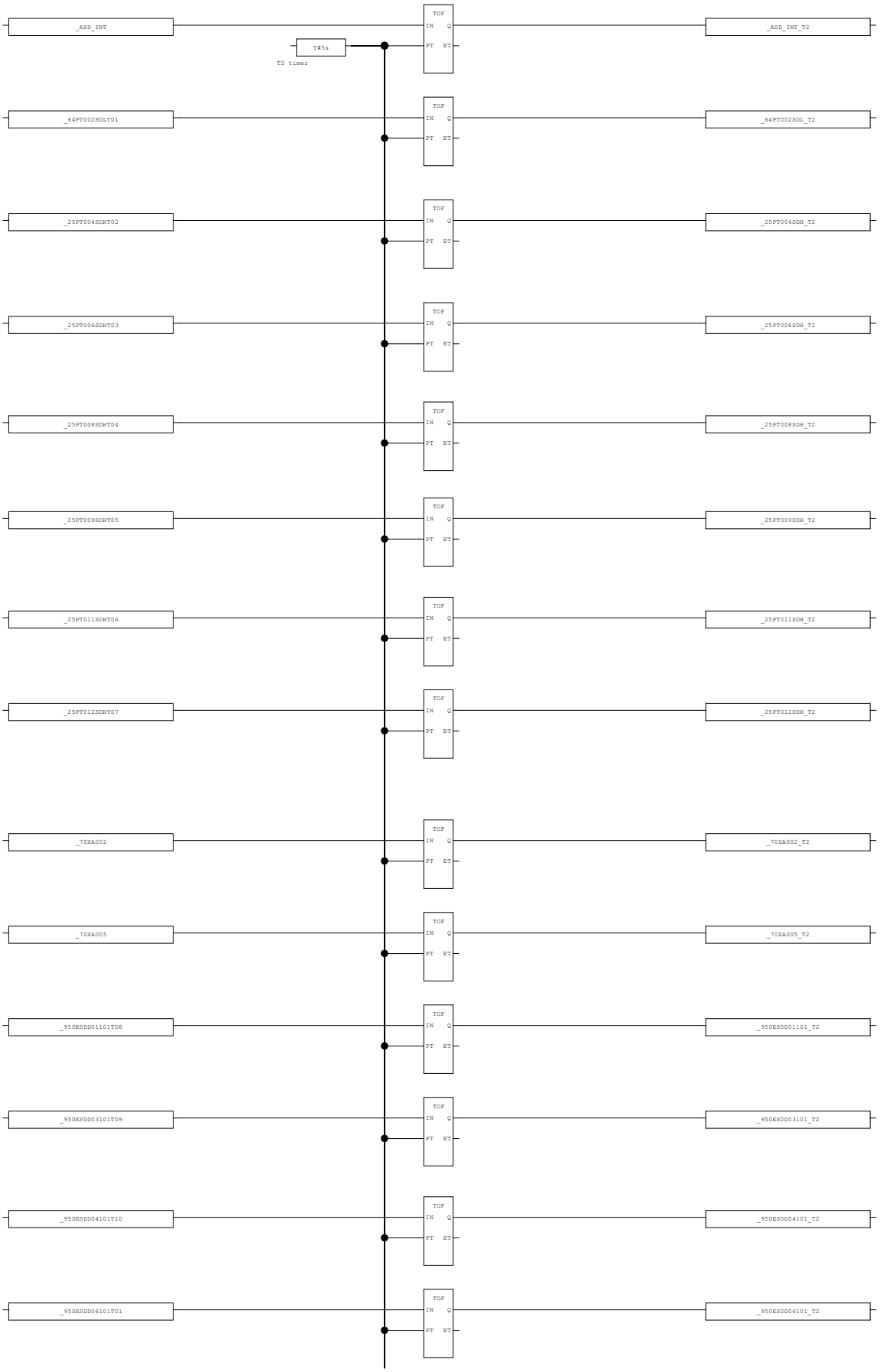


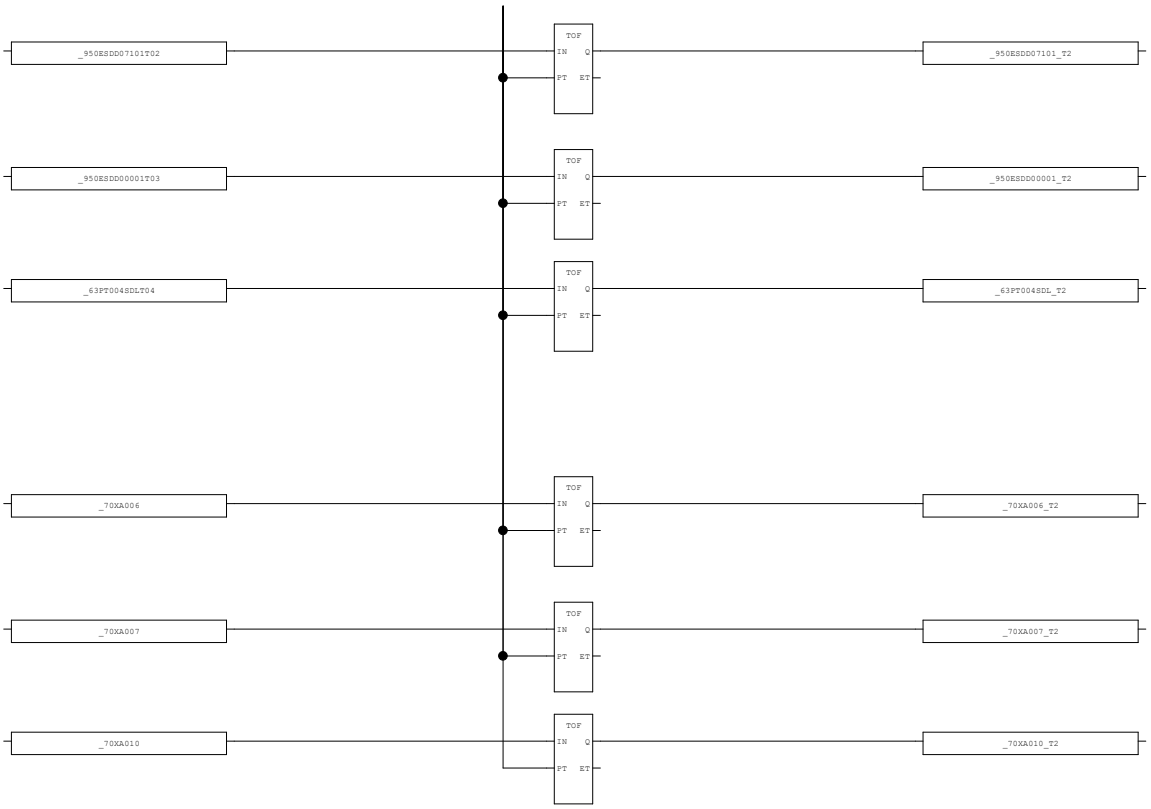
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:83
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

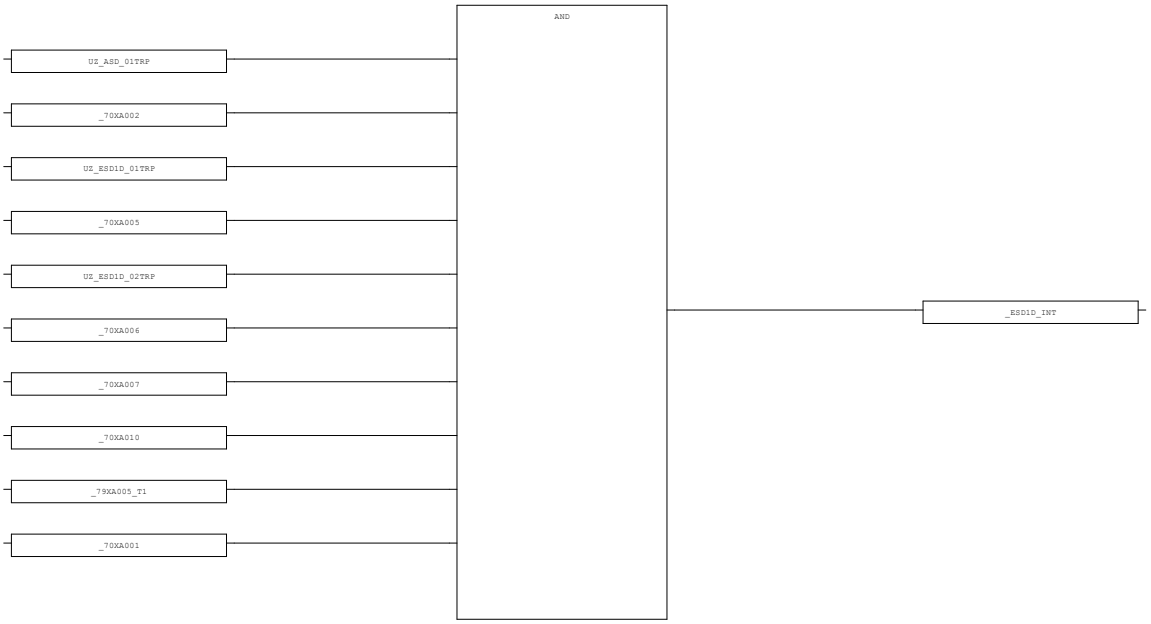
3.29. TIMER (* C&E Timer Logic *)

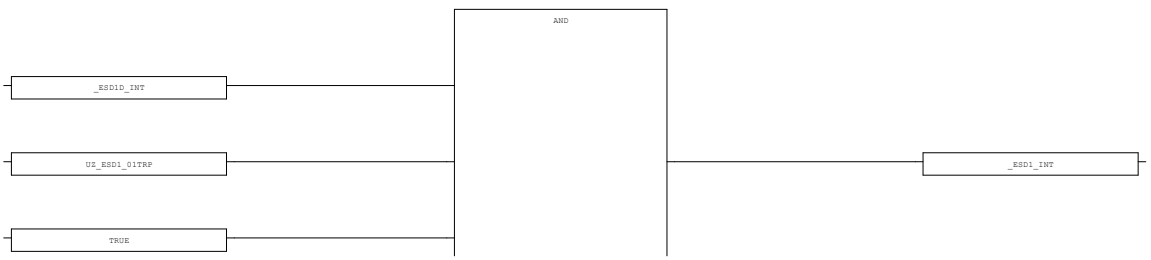


3.30. TIMER2 (* C&E Timer Logic *)









AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:86
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.31. SPARE_POU_01 (* SPARE POU *)

3.32. SPARE_POU_02 (* SPARE POU *)

3.33. AOS (* IPS Override function *)

1.0.0

YOKOGAWA

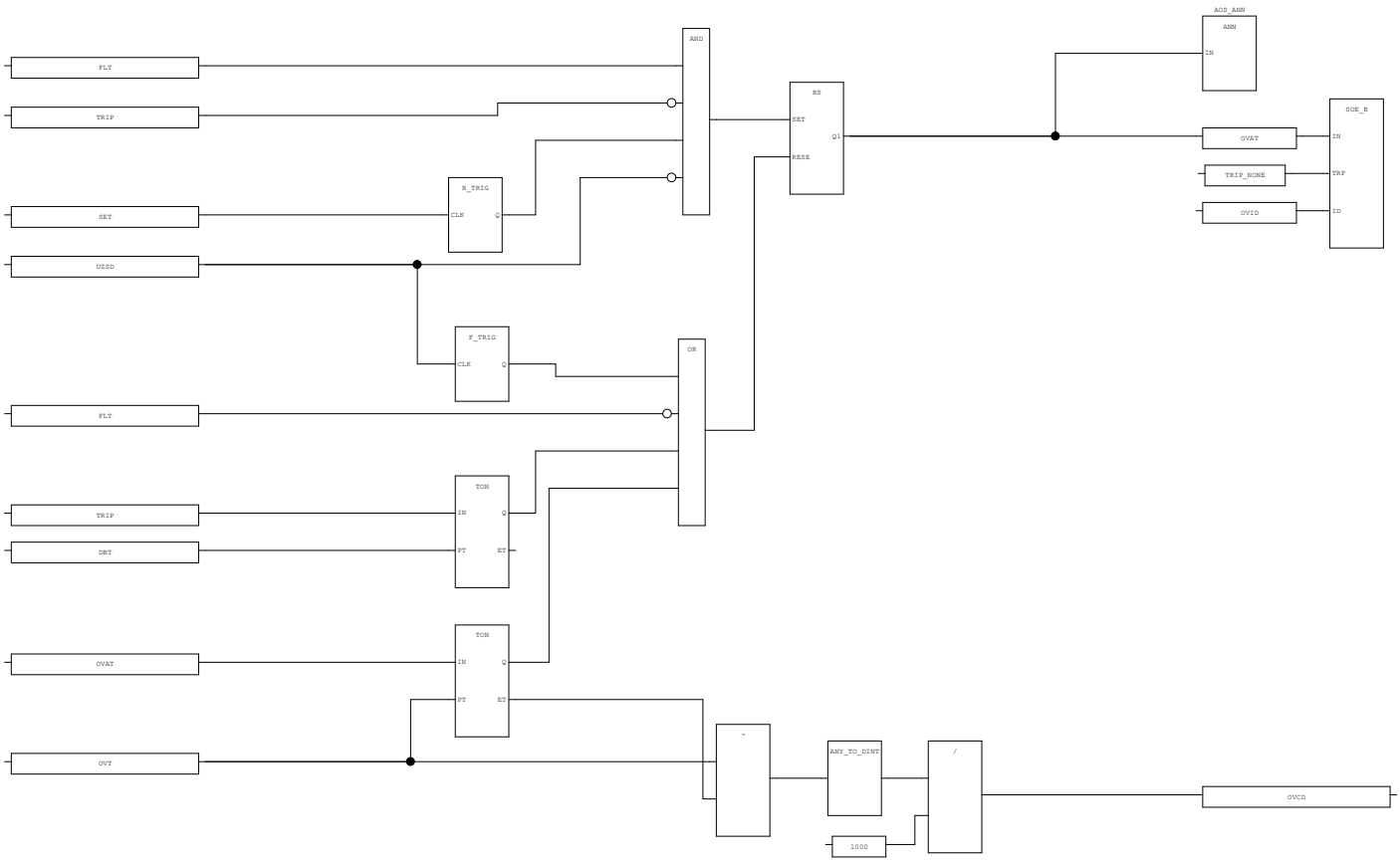
TYPICAL : AOS (User Defined Function Block)

DESCRIPTION : This FB is used for the Automatic Operational Override. The AOS function block has the following main functions:
-Manage the Automatic operational override request.
-Reset the Automatic operational override when the override time is elapsed.
-Reset the Automatic operational override when the process value has reached above the Low set point for at least a predefined time (process settling time) within the allowed operational override time.
-Reset the Automatic operational override when the transmitter is faulty.
-Reset the Automatic operational override when the UZ group trips.

The Automatic operational override timer is activated by a UZ-group reset. The operational override will be activated on a rising edge of the reset signal if the following conditions are met:
-if the input typical is in Low Low alarm;
-and if there is no transmitter fault.
-and if UZ group tripped.

The operational override will be active as long as the operational override time is not elapsed. The operational override will be reset if:
-if the operational override time is elapsed;
-or if the process value has reached above the Low Low set point for at least a predefined time (process settling time) within the allowed operational override time,
-or if the transmitter is faulty.

Rev 00



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:90
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.34. BDV (* Blowdown Valve with Limit switches *)

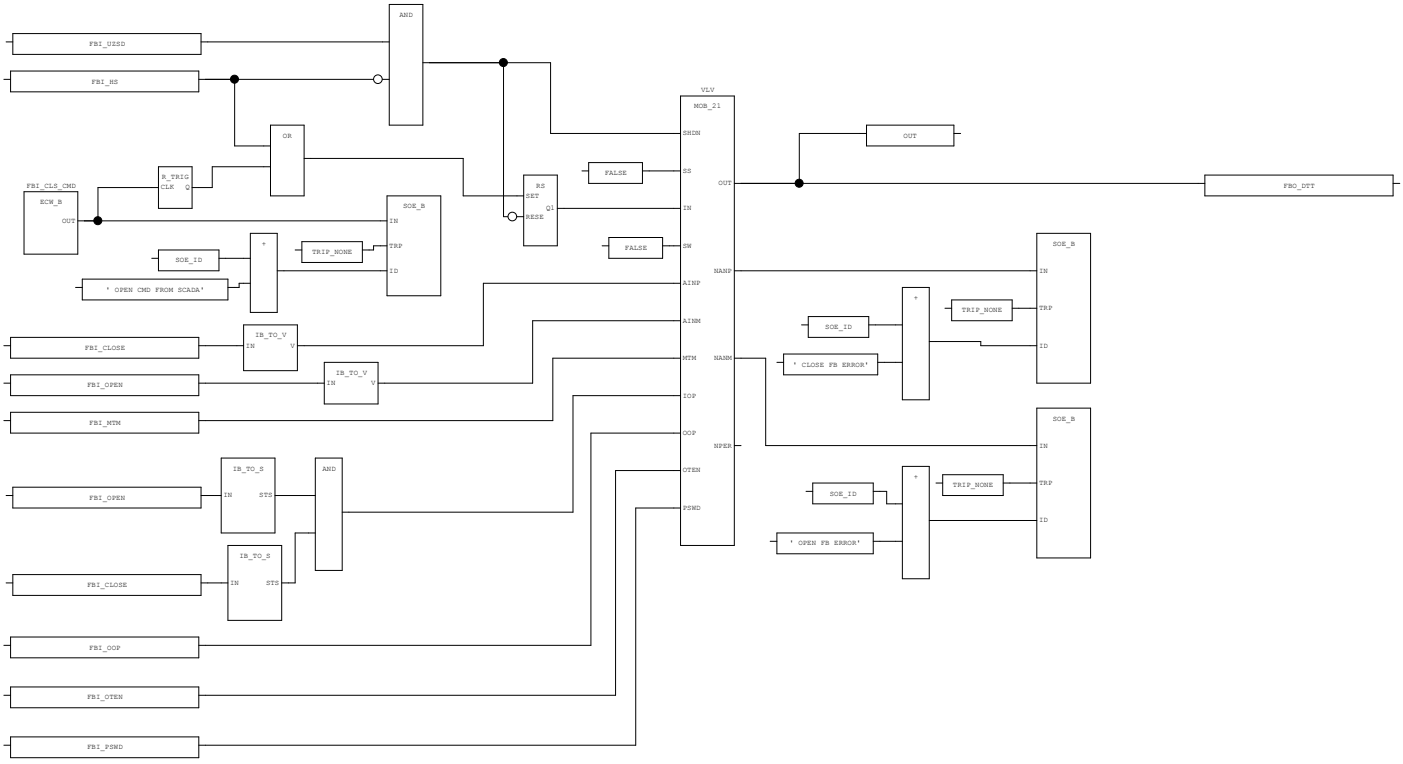
1.0.0

YOKOGAWA

TYPICAL : BDV(User Defined Function Block)

DESCRIPTION : Blowdown valve with limit switch feedback.
Typical to handle:
- Blowdown valve with limit switch input.
- Blowdown valve with Field Handswitch to initiate blowdown.
- Manual operation prohibited. Upon UZGRP reset,valve shall be closed manually ans returns to AUTO mode.

Rev 00
Rev 01
Rev 02 - FAT Punch



3.35. DDI (* De-energized to trip without LM *)

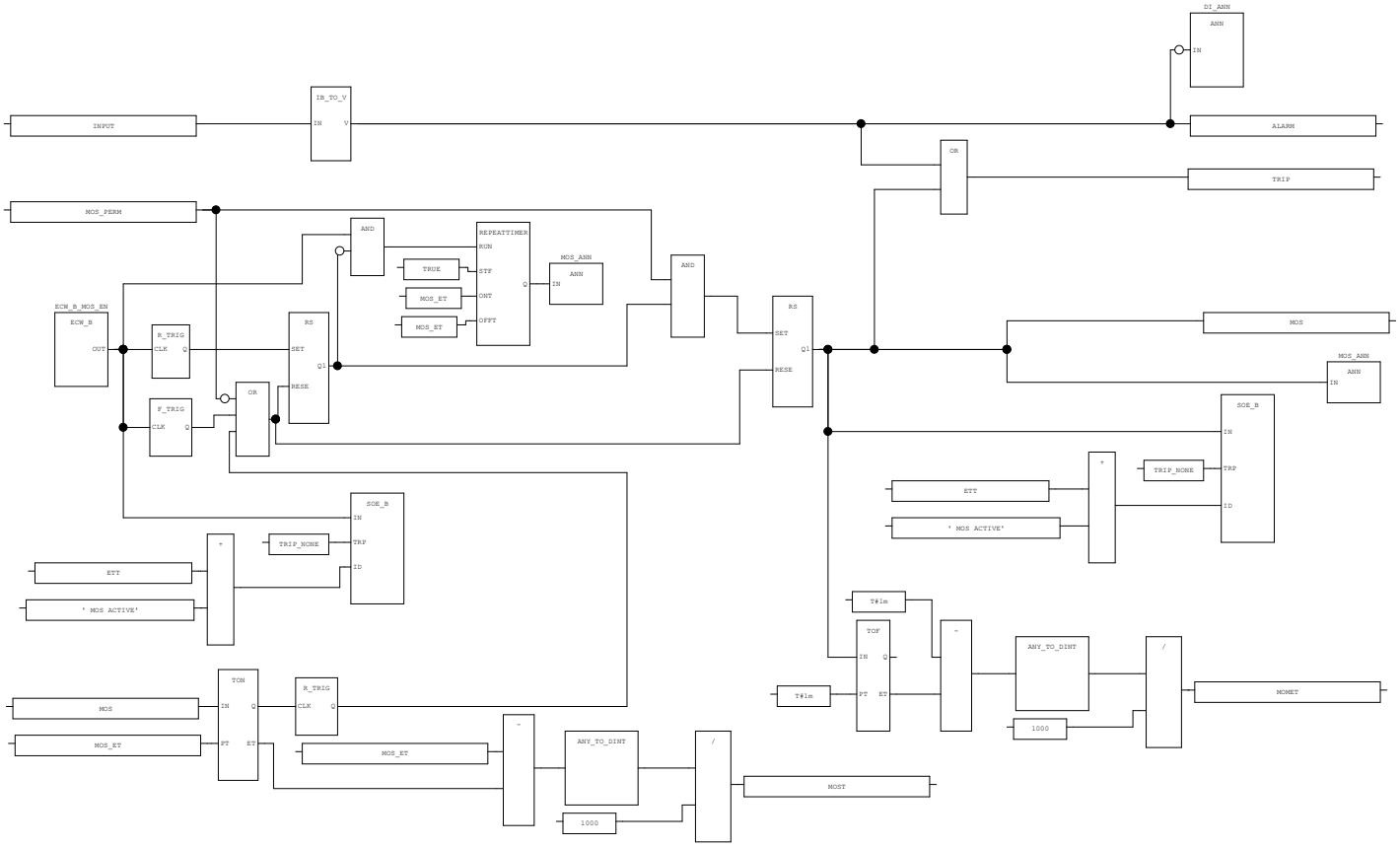
1.0.0

YOKOGAWA

TYPICAL : DDI (User Defined Function Block)

DESCRIPTION : This typical is used for inputs that are wired fail safe with the following main functions.
- Line monitoring
- Trip Management

Rev 00
Rev 01



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:92
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.36. DDI_LM (* De-energized to trip with LM *)

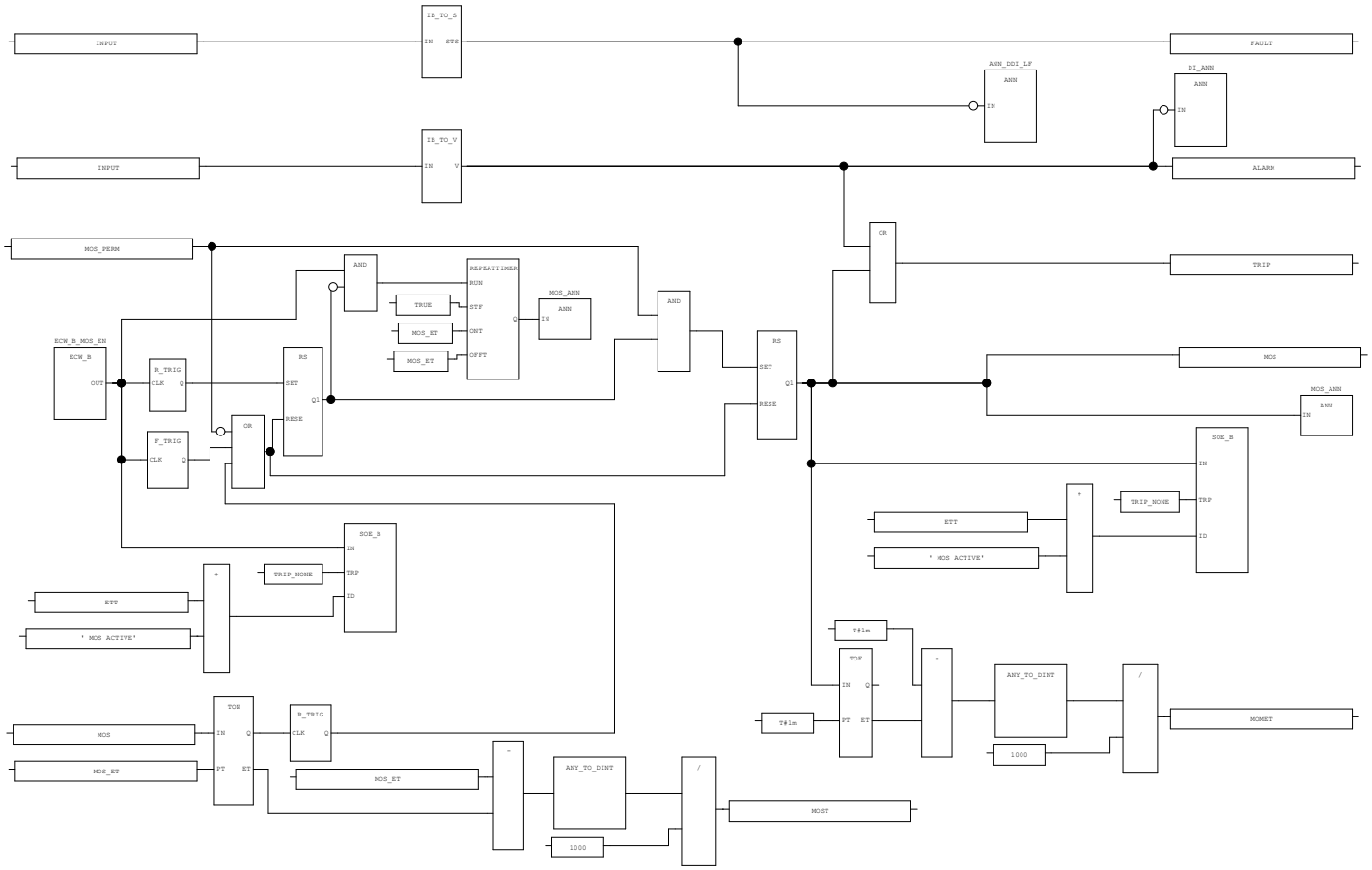
1.0.0

YOKOGAWA

TYPICAL : DDI (User Defined Function Block)

DESCRIPTION : This typical is used for inputs that are wired fail safe with the following main functions.
- Line monitoring
- Trip Management

Rev 00
Rev 01



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:93
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.37. EDI (* Energize to trip without LM *)

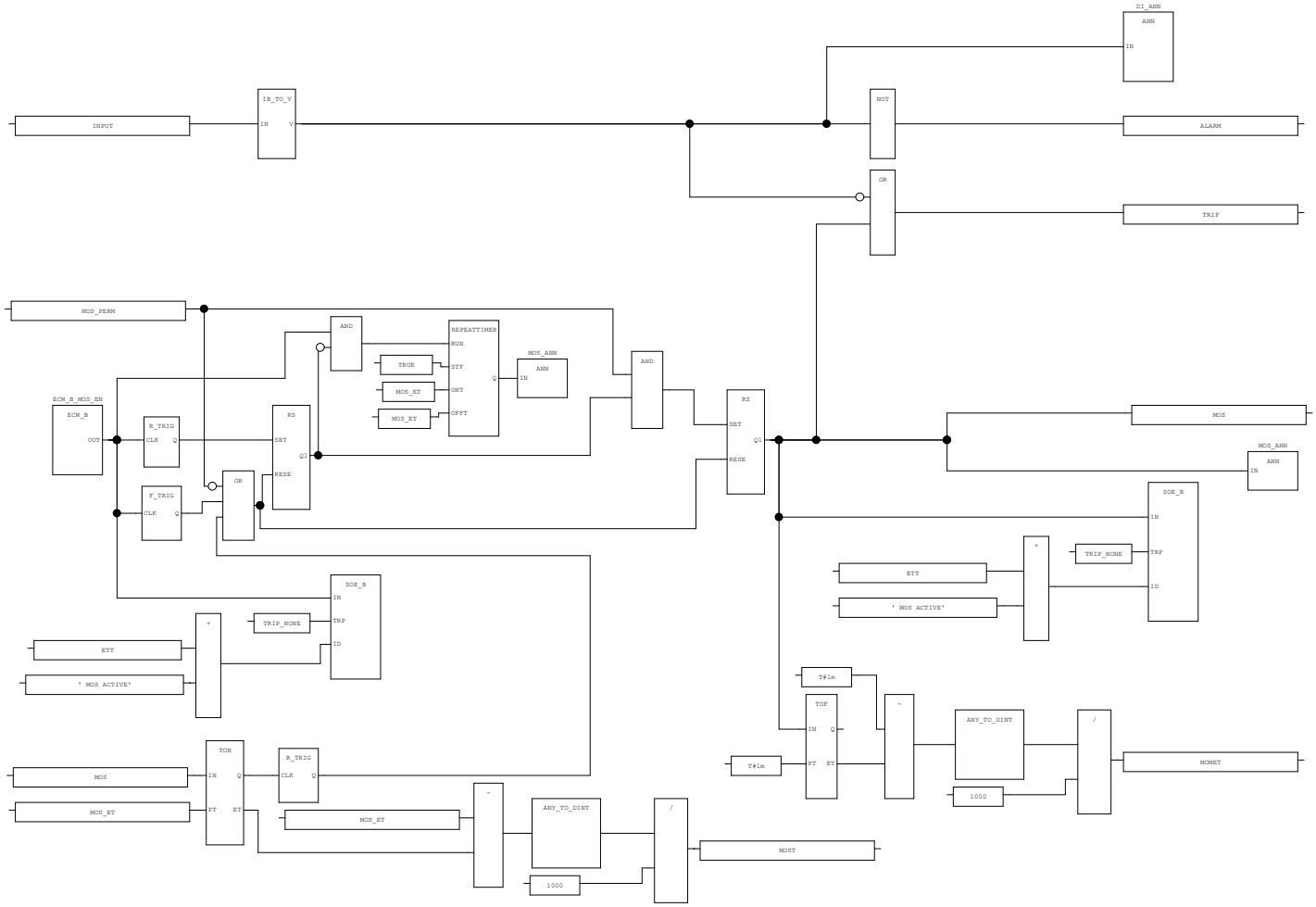
1.0.0

YOKOGAWA

TYPICAL : EDI (User Defined Function Block)

DESCRIPTION : This typical is applicable for energise to trip inputs with the following functions.
- Trip management
- Line monitoring

Rev 00
Rev 01



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:94
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.38. EDI_LM (* Energize to trip with LM *)

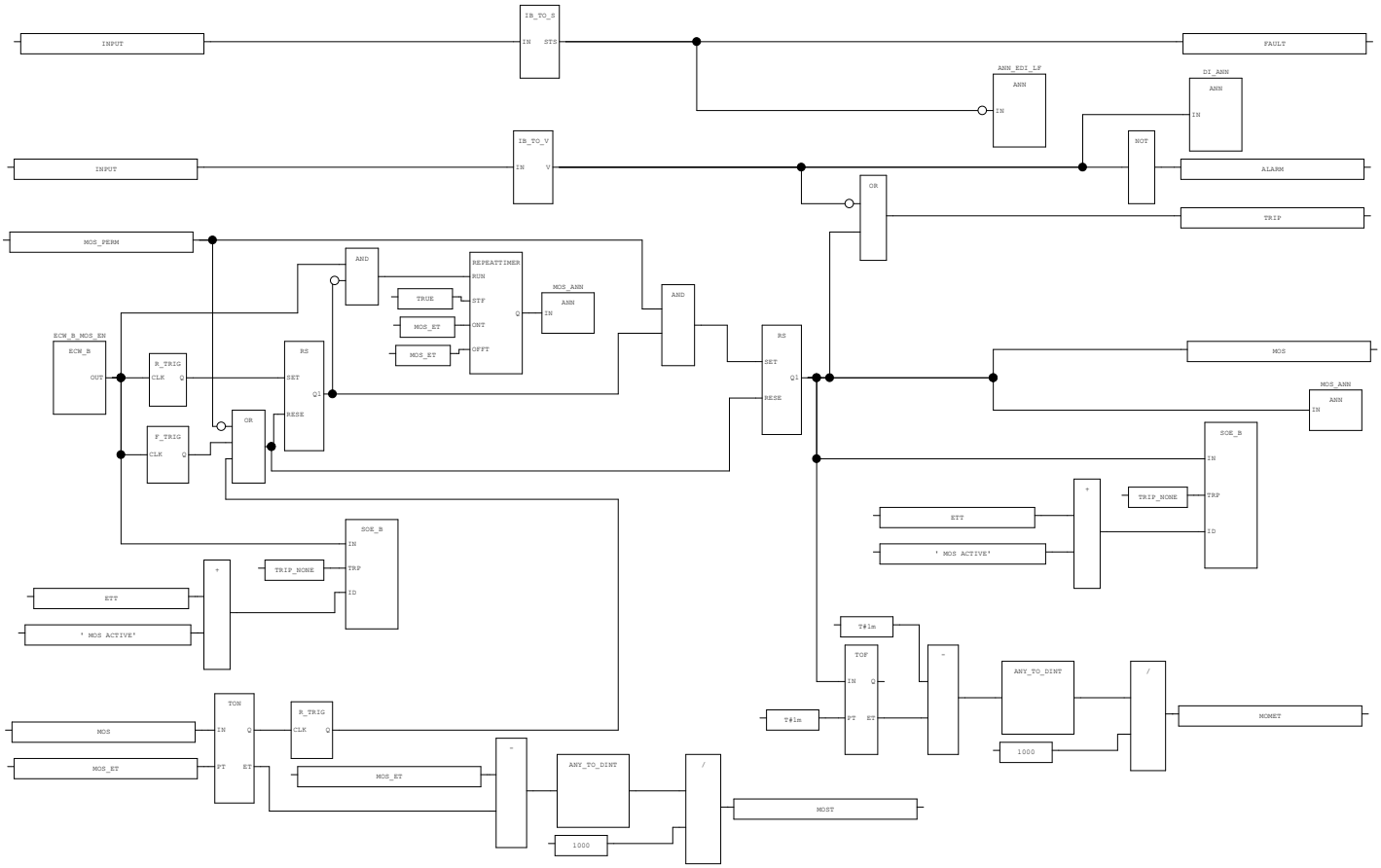
1.0.0

YOKOGAWA

TYPICAL : EDI (User Defined Function Block)

DESCRIPTION : This typical is applicable for energise to trip inputs with the following functions.
- Trip management
- Line monitoring

Rev 00
Rev 01



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:95
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.39. SAI (* IPS Analog input with HH/LL trip *)

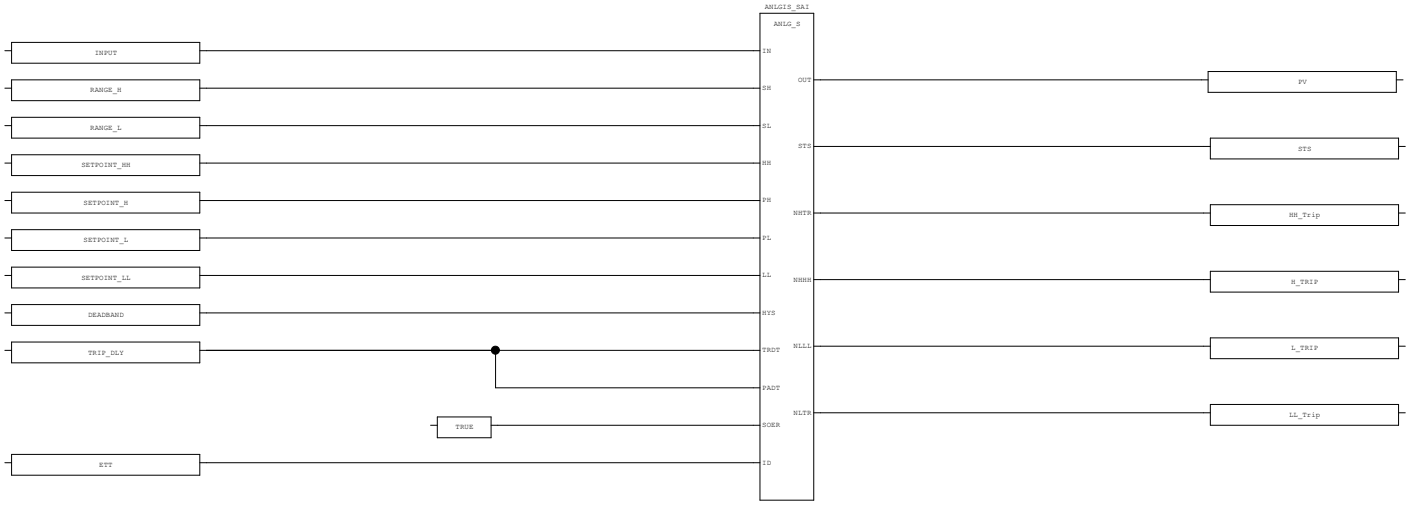
1.0.0

YOKOGAWA

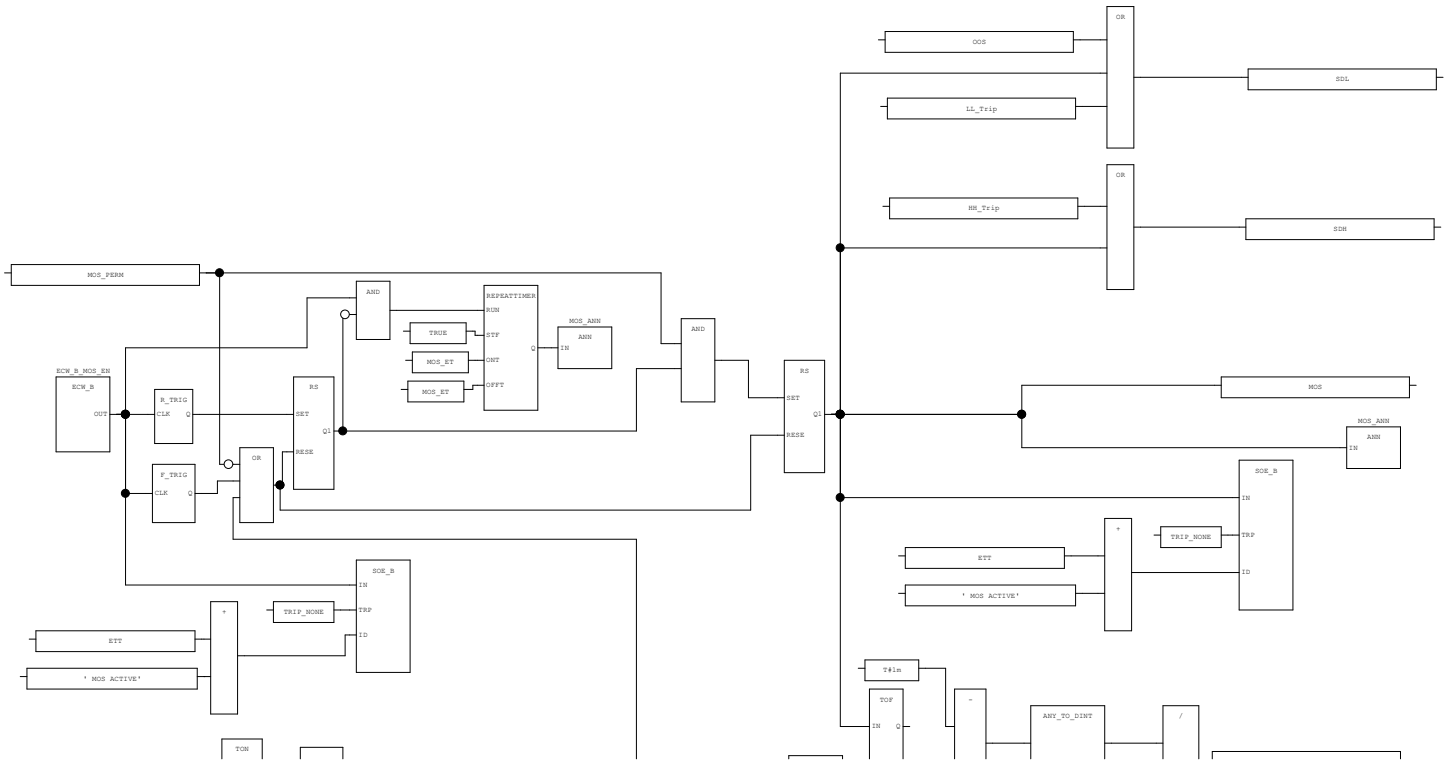
TYPICAL : SAI (User Defined Function Block)

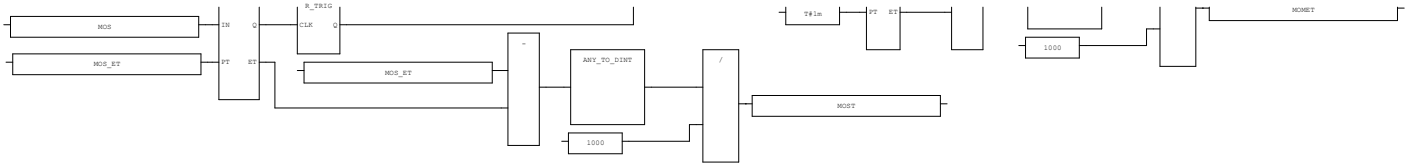
DESCRIPTION : The typical has the following functions.
- Validity check of the signal.
- Process threshold management.
- Optional functions are maintenance override, operational override and noise filtering.

Rev 00
Rev 01



2.0.0





AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:97
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.40. SDV_1 (* SDV VLV Position FB with Manua/Auto Open *)

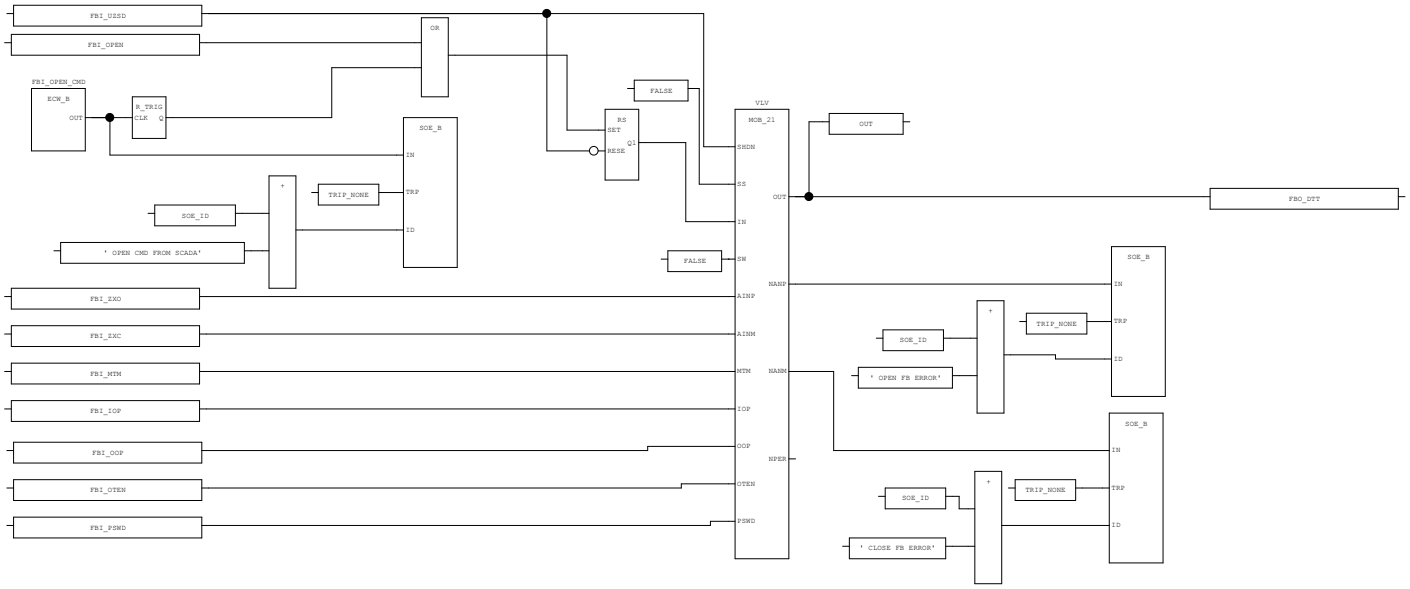
1.0.0

YOKOGAWA

TYPICAL : SDV_1(User Defined Function Block)

DESCRIPTION : Shutdown valve with limit switch/position transmitter feedback.
Typical to handle:
- Shutdown valve with limit switch input.
- Shutdown valve with Field reset & Manual open command.

Rev 00



3.41. UZGRP (* IPS UZ group with 10 inputs *)

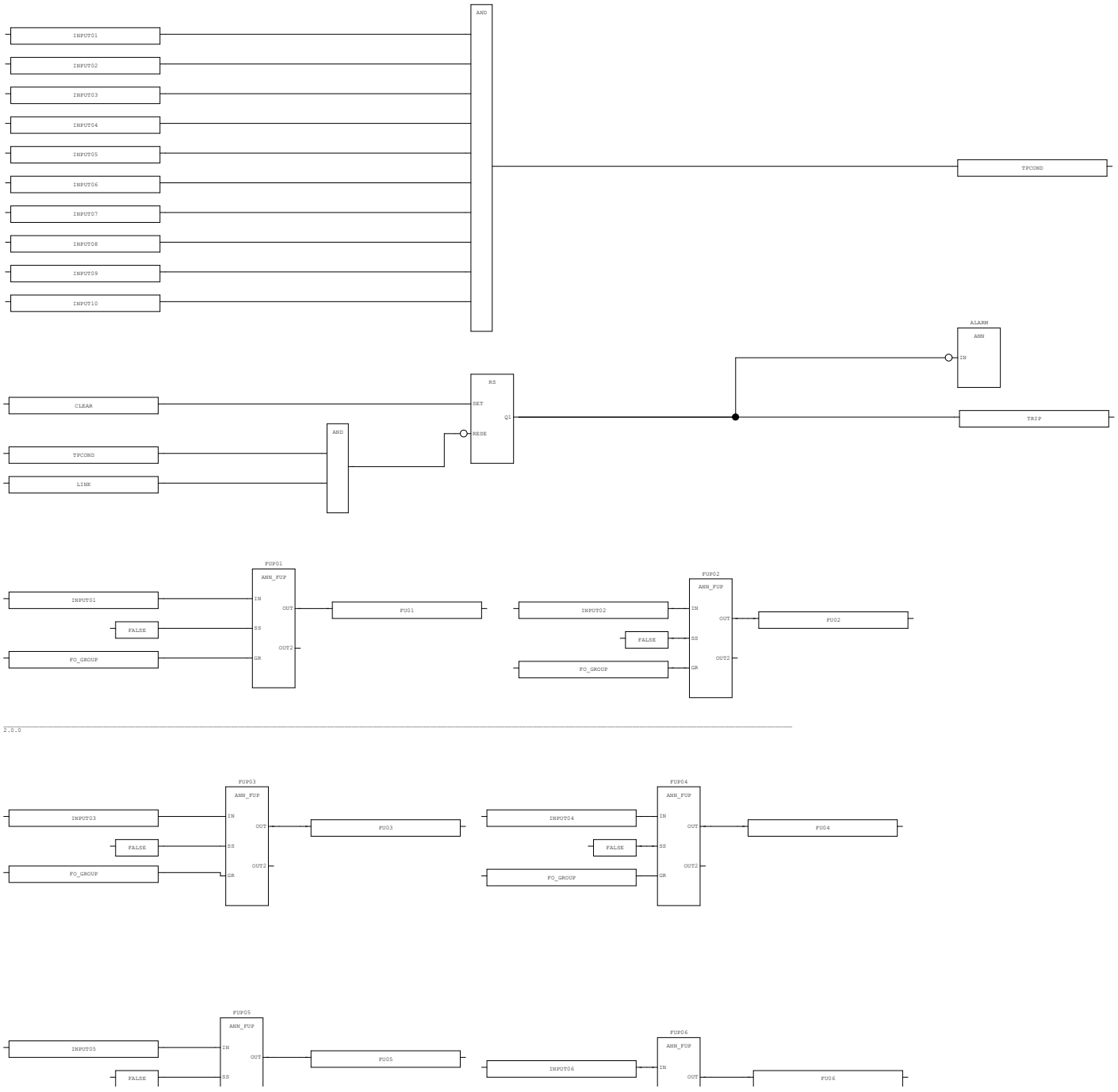
1.0.0

YOKOGAWA

TYPICAL : UZGRP (User Defined Function Block)

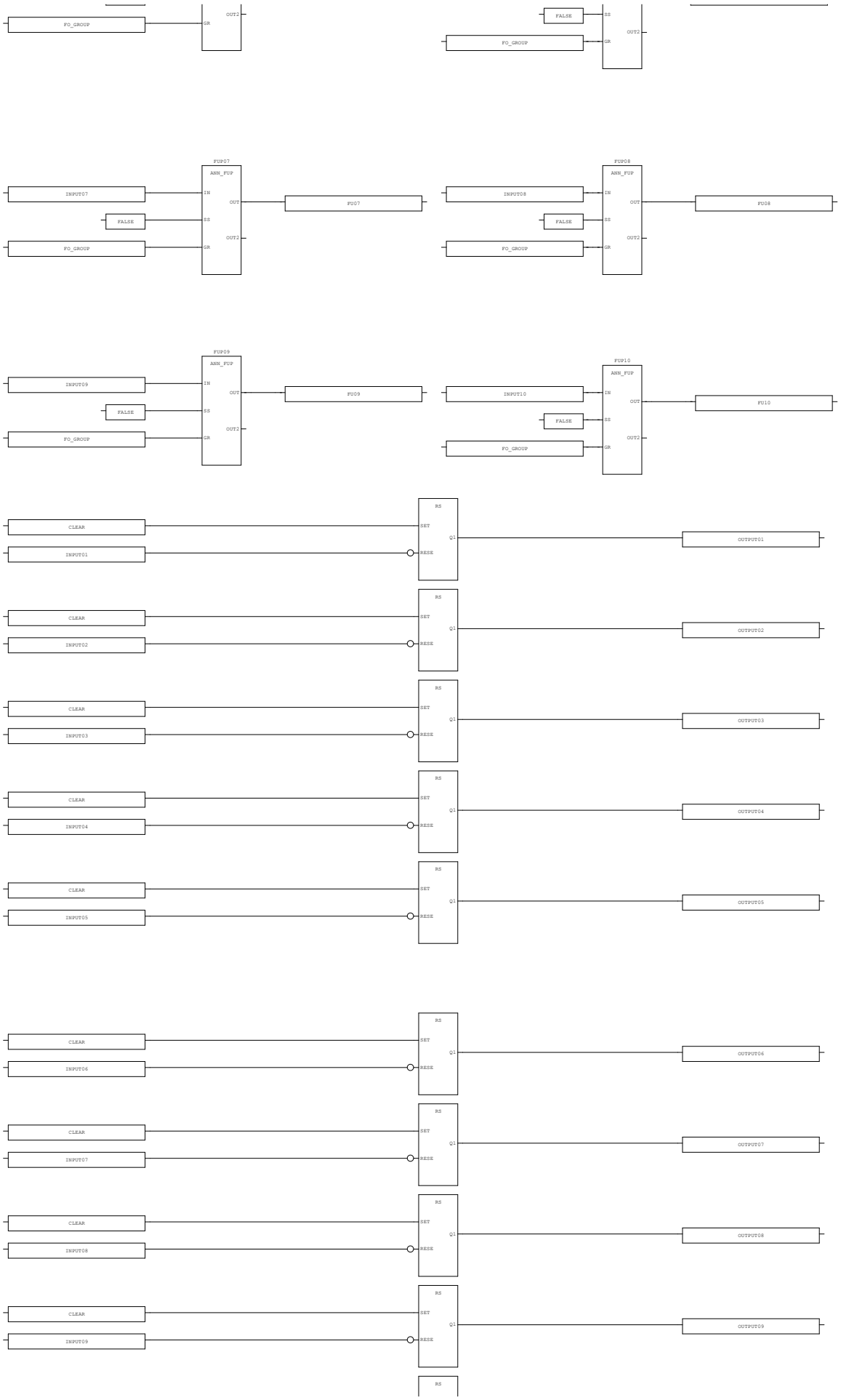
DESCRIPTION : This FB is used for the processing trip logic.
The UZGRP function block has the following main functions:
- Trip the UZ group if any of the input causes are in tripped state.
- Initiate a first out alarm.
- Latch the UZ trip until the causes have returned to normal state & no reset is activated.

Rev 00

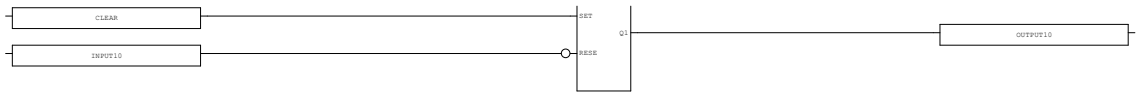


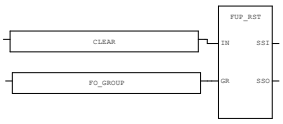
2.0.0

AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE:99
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE100
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103





AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE101
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

3.42. UZRST (* IPS Reset for UZ group *)

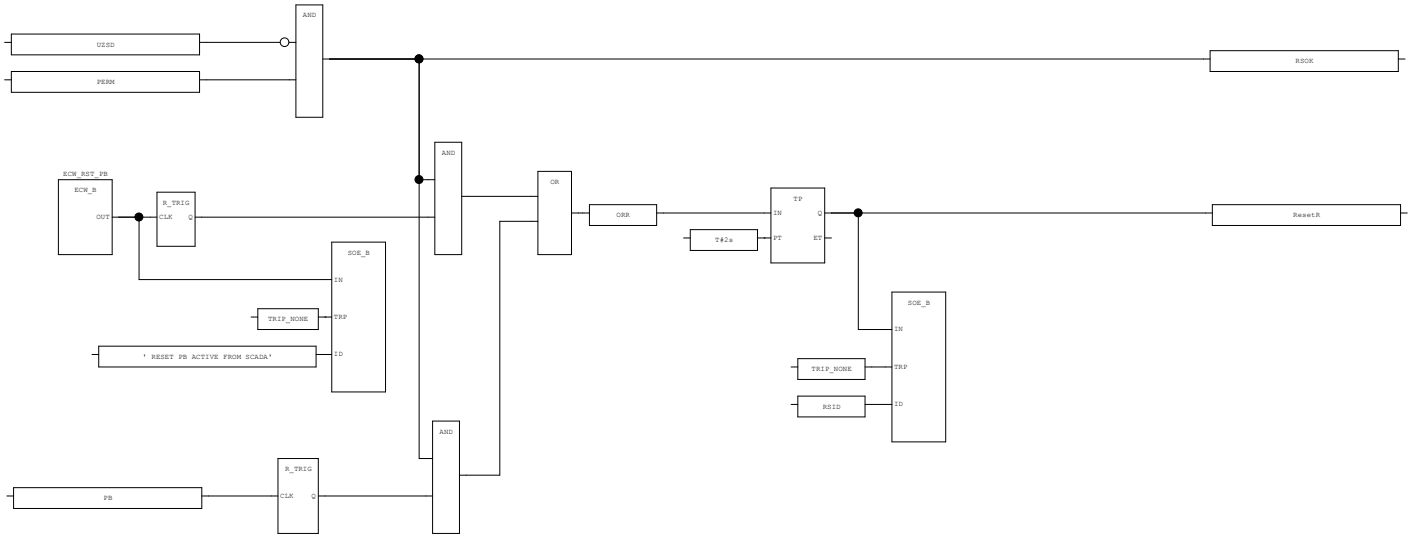
1.0.0

YOKOGAWA

TYPICAL : UZRST (User Defined Function Block)

DESCRIPTION : This FB is used for the UZ group reset.
The UZRST function block has the following main functions:
- Reset UZ groups only when SCS Reset operated from HIS has been applied
- Indicate that SCS reset is allowed
- Reset First out alarm

Rev 00



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE102
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

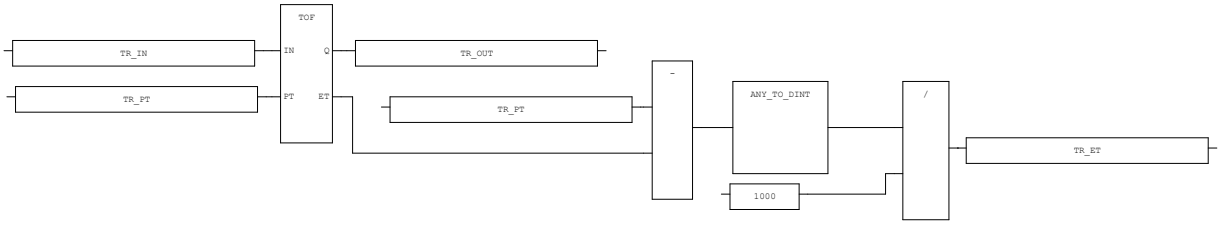
3.43. TOF_TIMER

YOKOGAWA

TYPICAL : TOF TIMER (User Defined Function Block)

DESCRIPTION : This FB is used to provide delayed action or alarm in response
to specific condition.
.
The TOF TIMER function block has the following main functions:
- Avtivation on condition.
- Timing Period
- Condition sustains beyond the timer

Rev 01



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE103
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
				DATE:	16-Sep-2025		TOTAL
SYSTEM:	ESD	POU COMMENT:		REVISION:	5.4		103

1724000594-IN-DG-00026
SIS and FGS Logic Print Out
Attachment-2

MYRSPJT
SCS0120

AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 1
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

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3. POU

3.1. REV_HIS (* Rev History - Application Program Rev Information *)

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1.0.0
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(*************************************************GENERAL INFORMATION*************************************************

Project Name: Base Load Power Hub (BLPH)

Company Project Number: E366772C00

Contractor Project number: CW-I-WP4-2023-05

Yokogawa Affiliate: YOKOGAWA ITALIA SRL - ITALY

ORIGINATOR : DAMINI.D
APPROVER : ALESSANDRO
REVIEWER : MANOJKUMAR.P

project purpose: FGS APPLICATION

Process Units: -

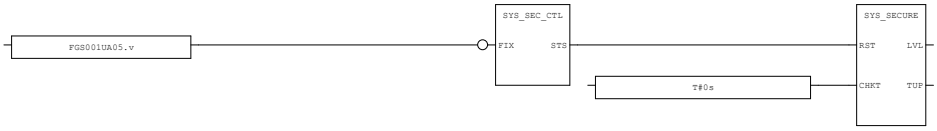
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1.0 : ISSUED FOR HARDWARE PRE-FAT
1.1 : ISSUED FOR IMPLEMENTATION COMPLETED
1.2 : ISSUED FOR SW PREFAT
1.3 : ISSUED FOR SW PREFAT PUNCH CLOSURE
2.0 : ISSUED FOR FAT
3.0 : END OF FAT
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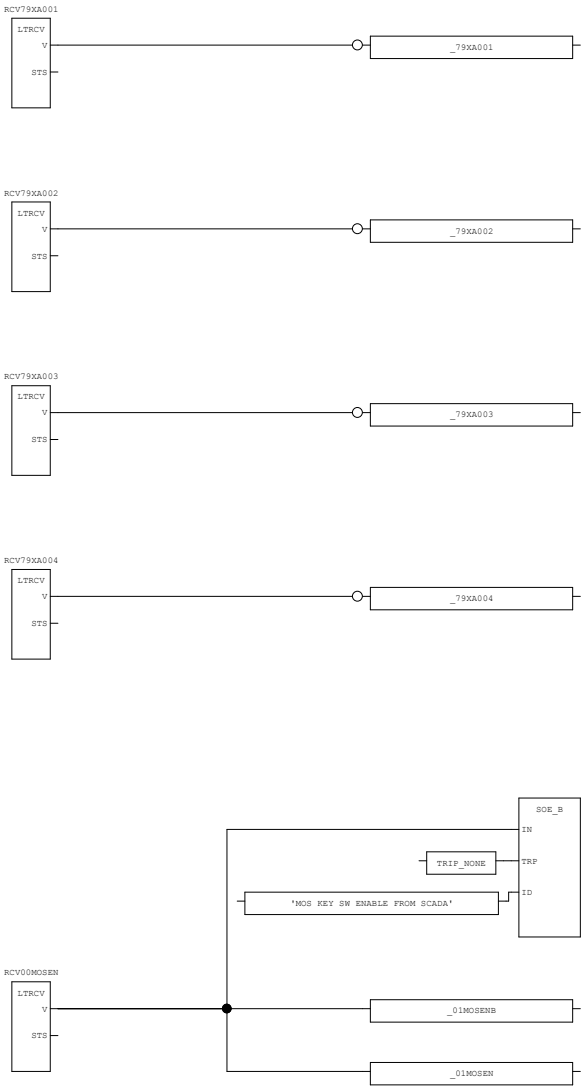
3.2. DIAG_SYS (* System Diagnostic *)

1.0.0

SCS0120_SYS_SEC PROGRAM SYSTEM ENABLE

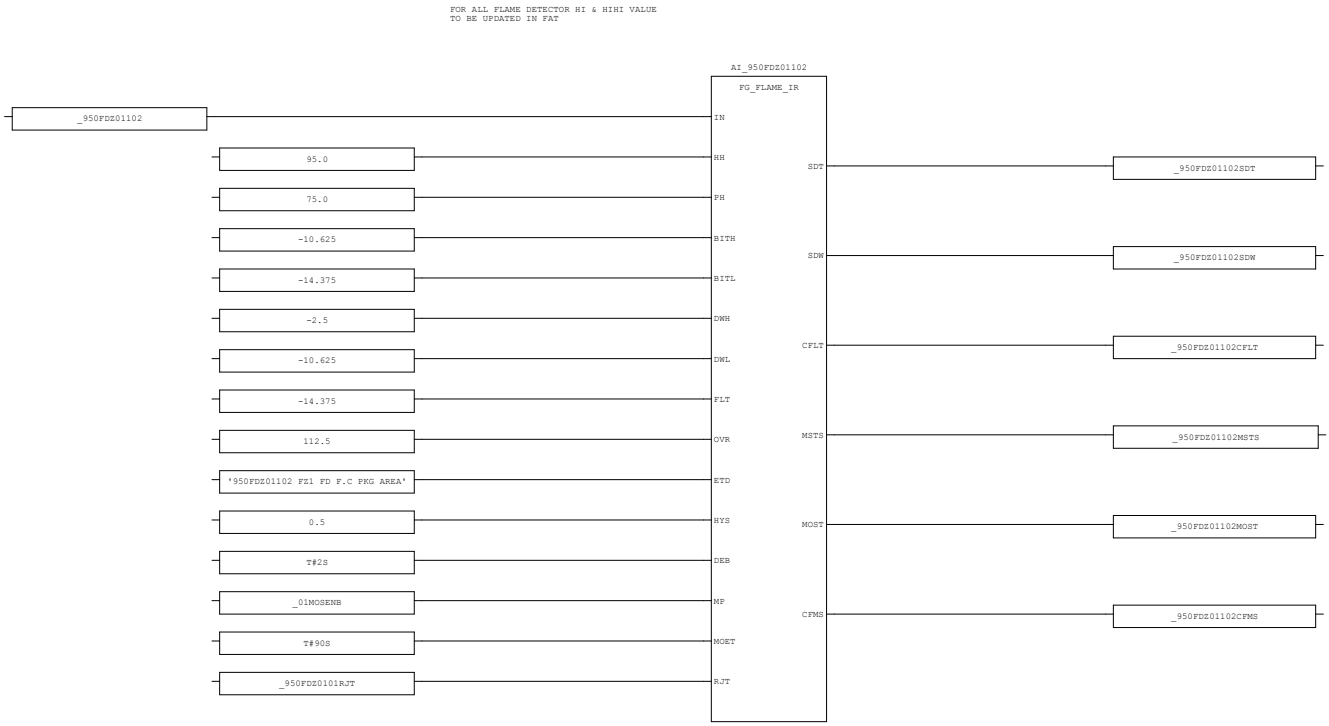


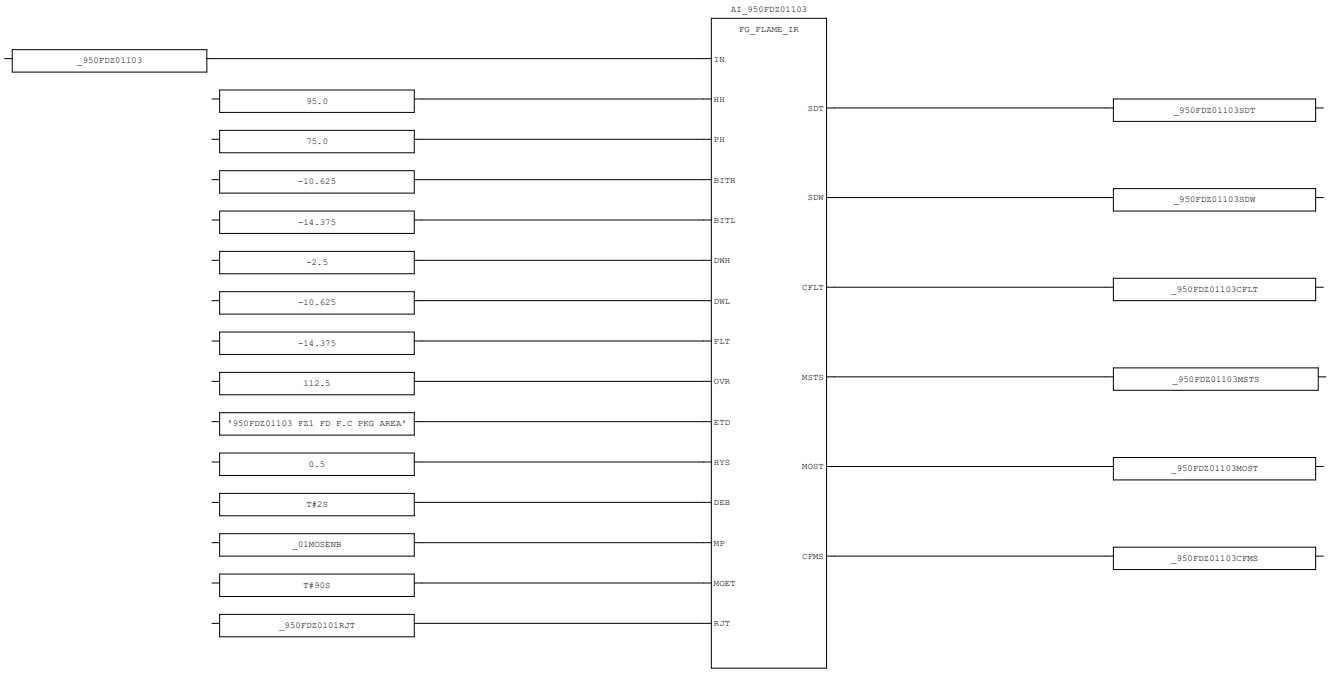
3.3. RECV (* Signal Transfer - Receive *)

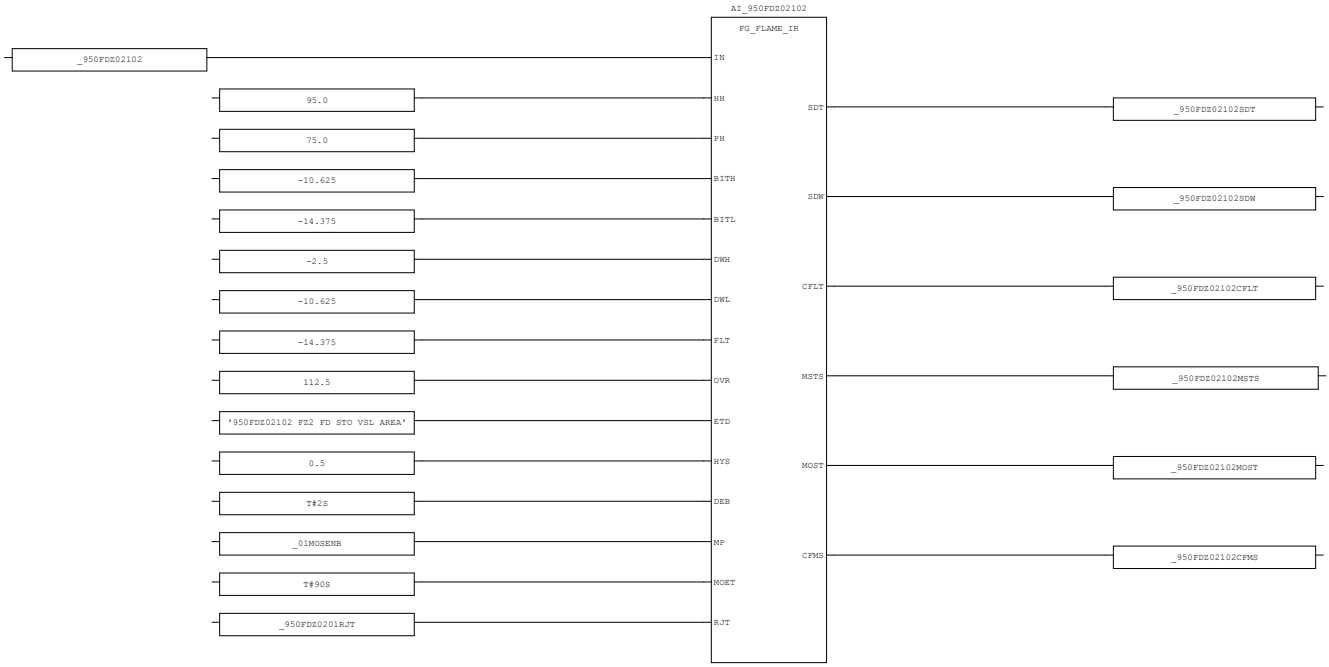


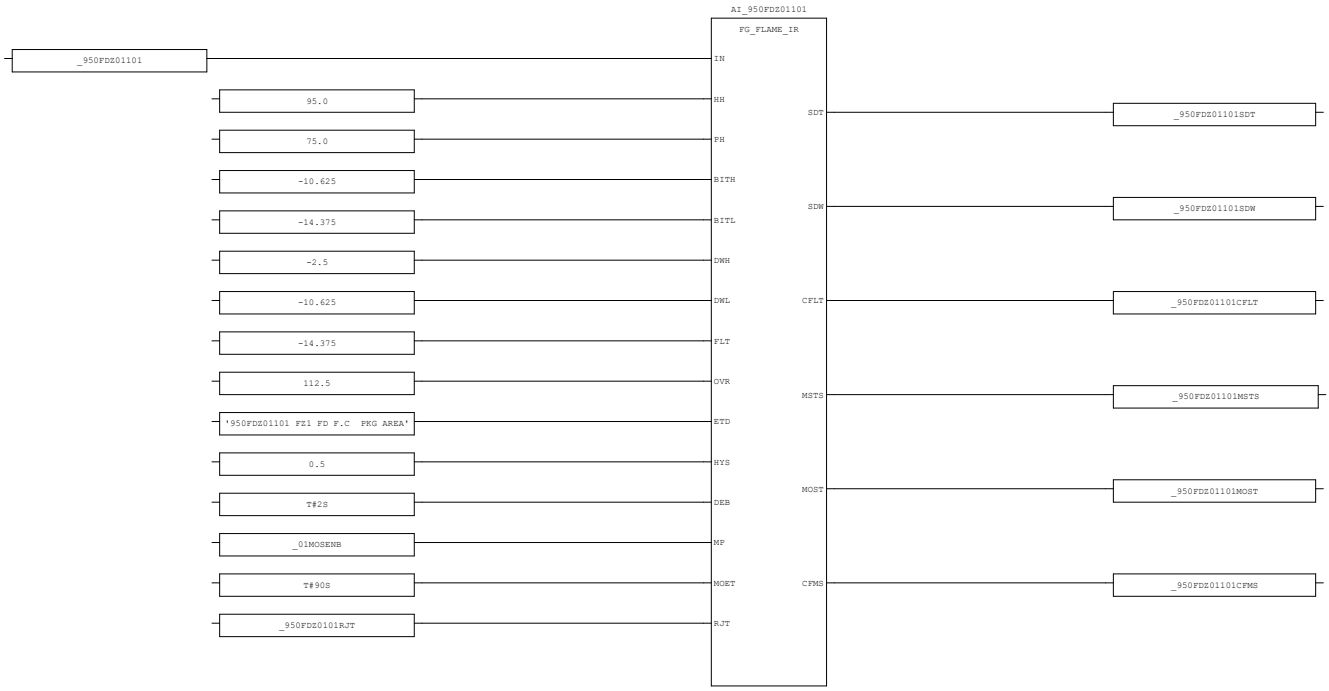
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				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.4. AI_FD_01 (* Analog Input Processing-Flame Detector *)

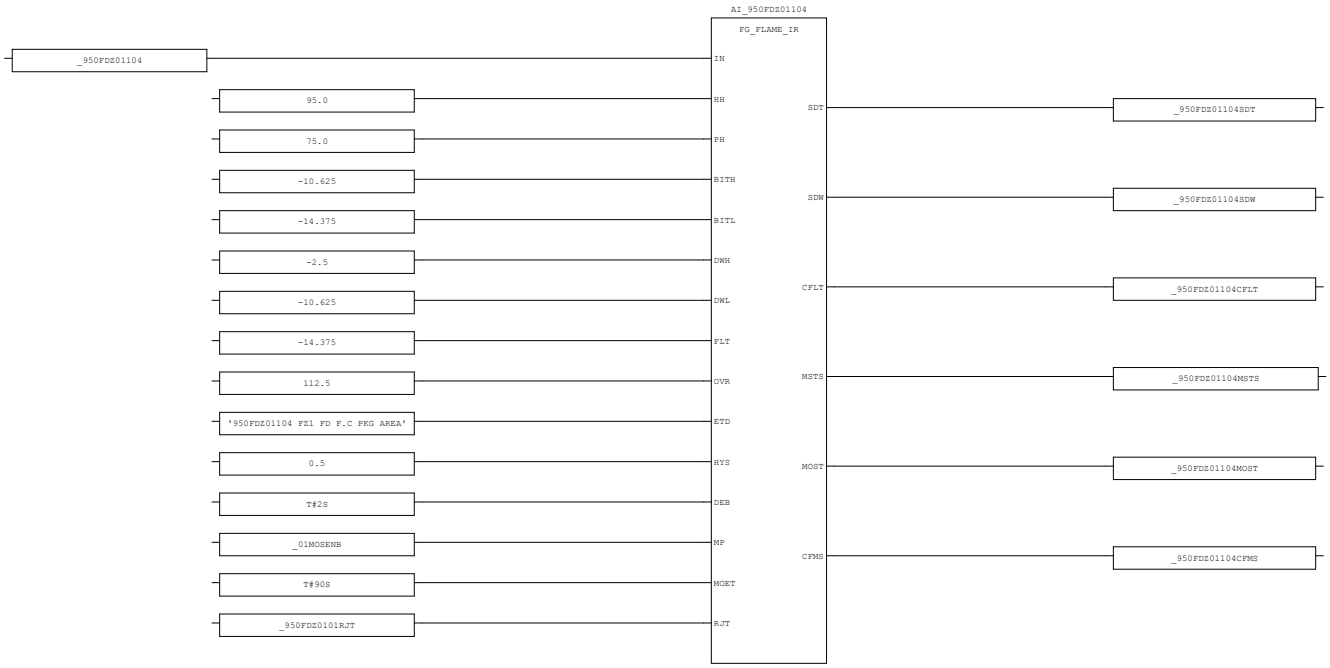


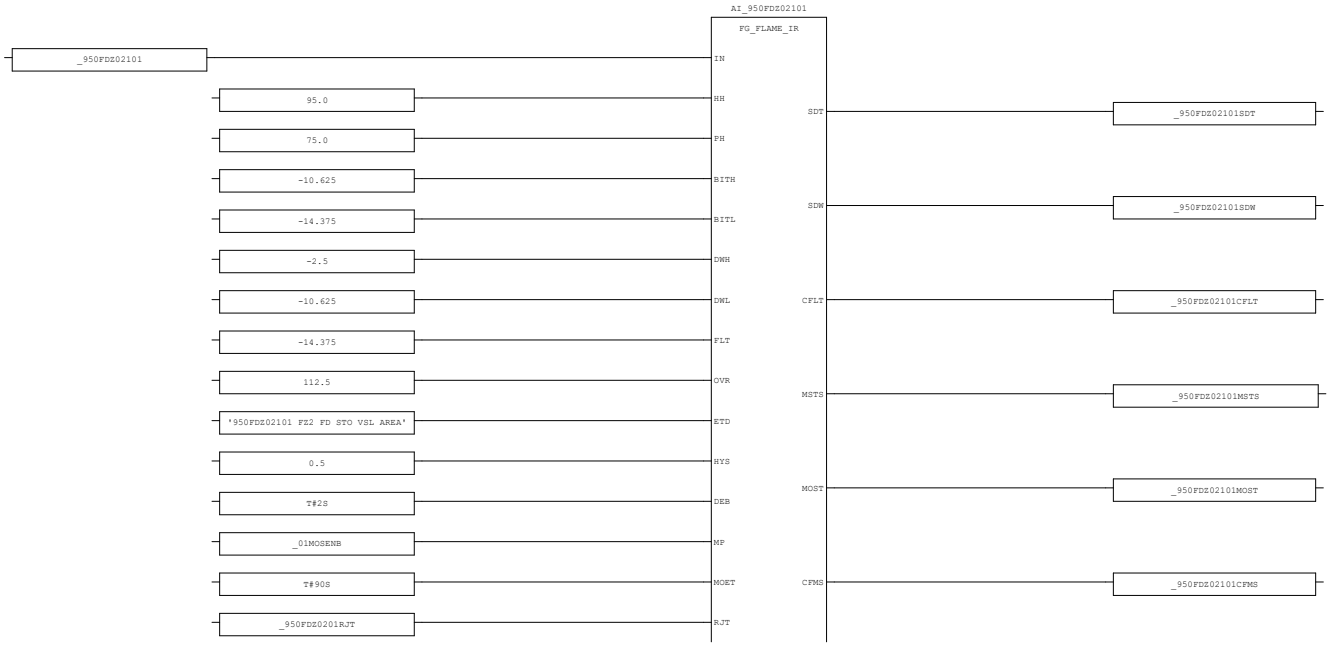






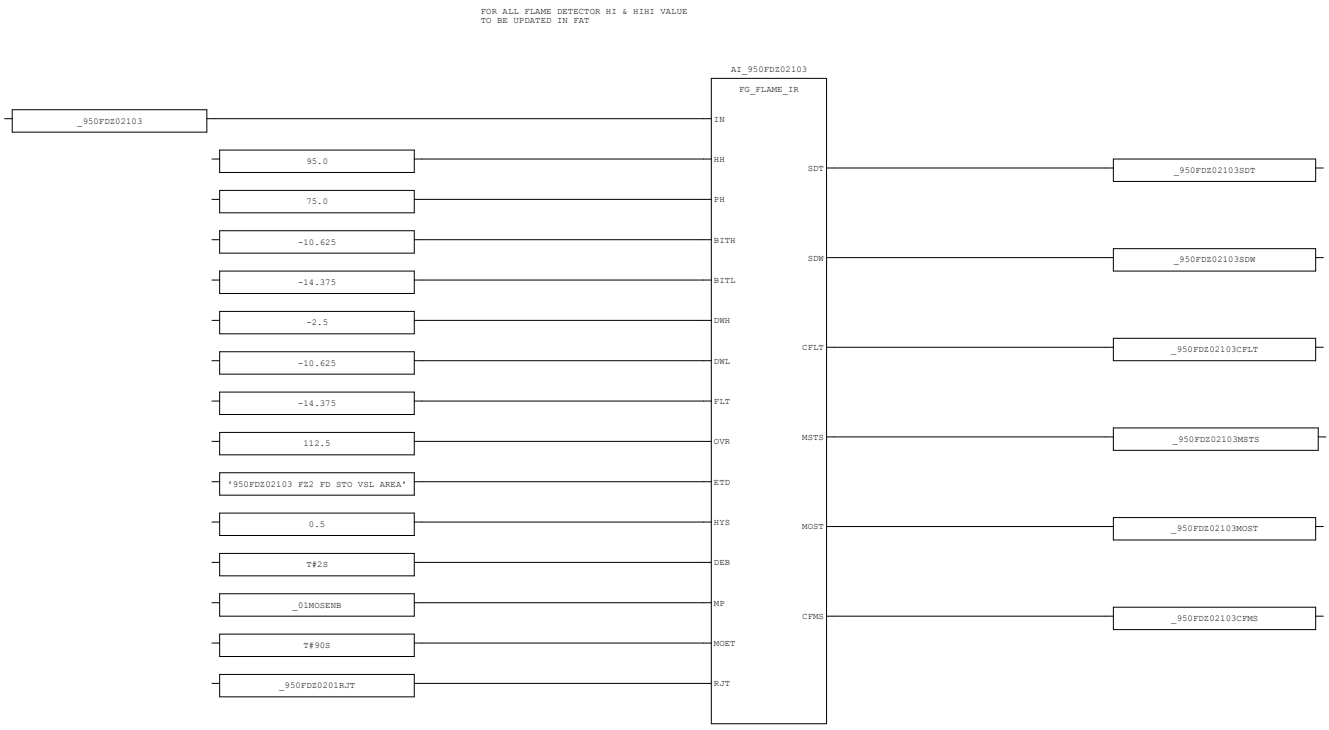
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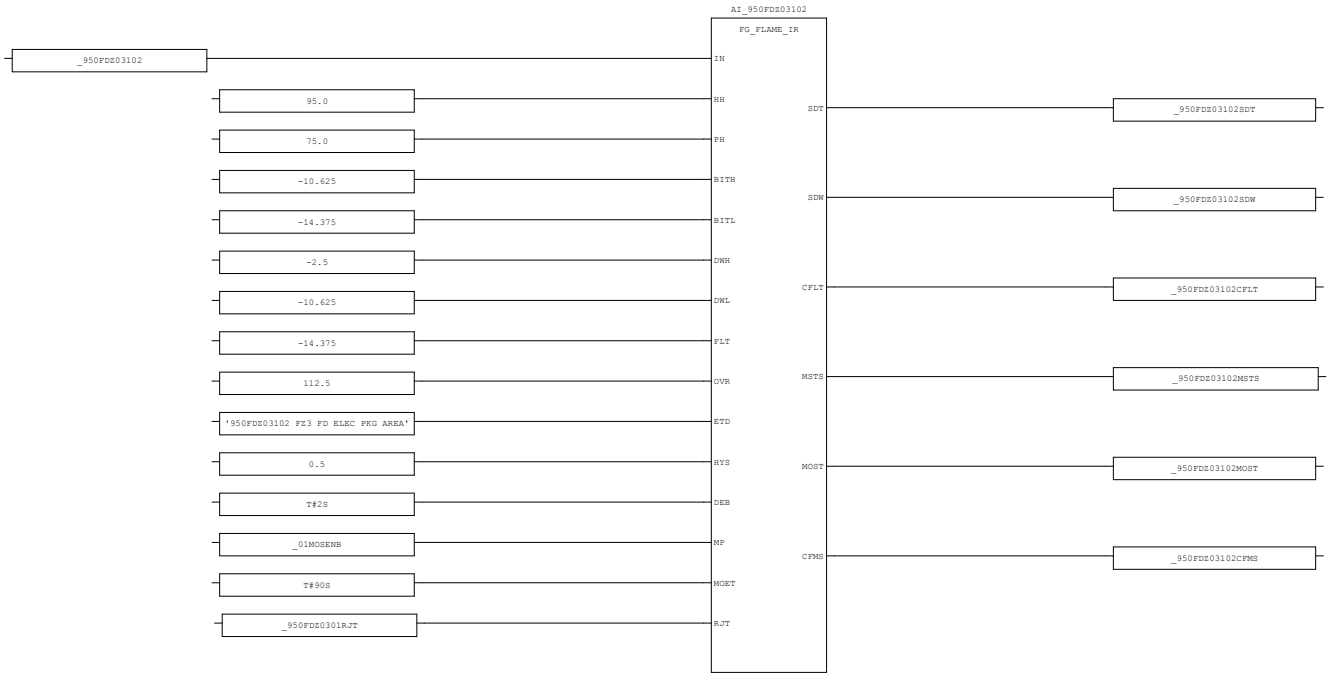


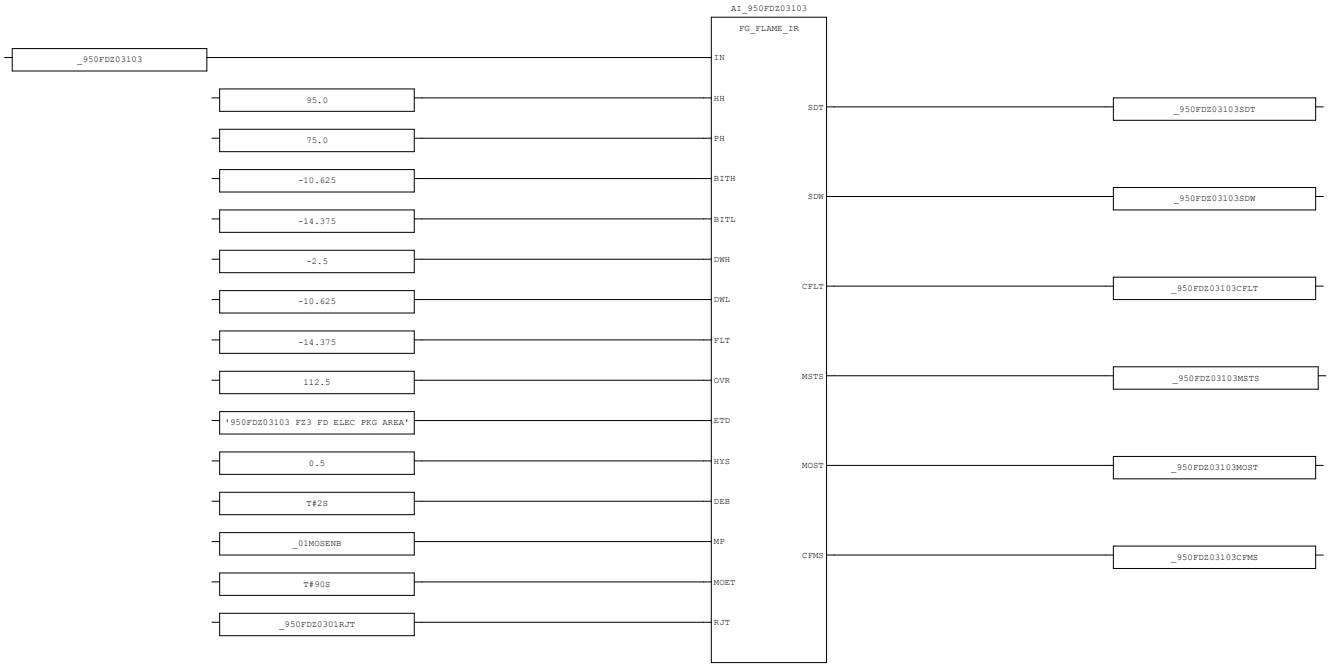


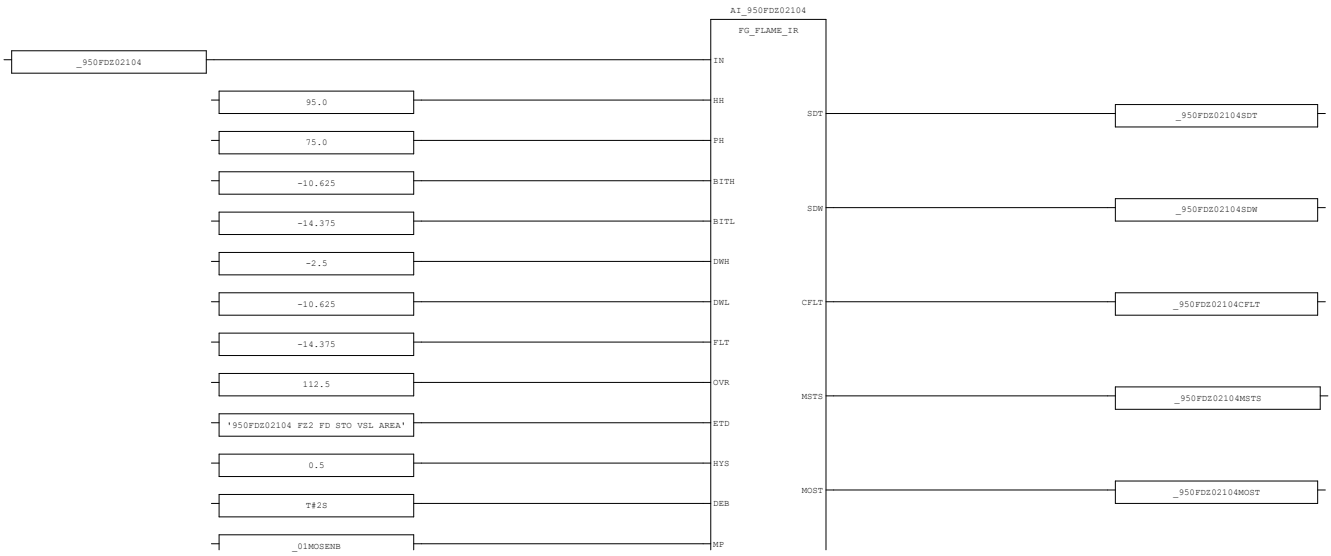
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				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.5. AI_FD_02 (* Analog Input Processing-Flame Detector *)

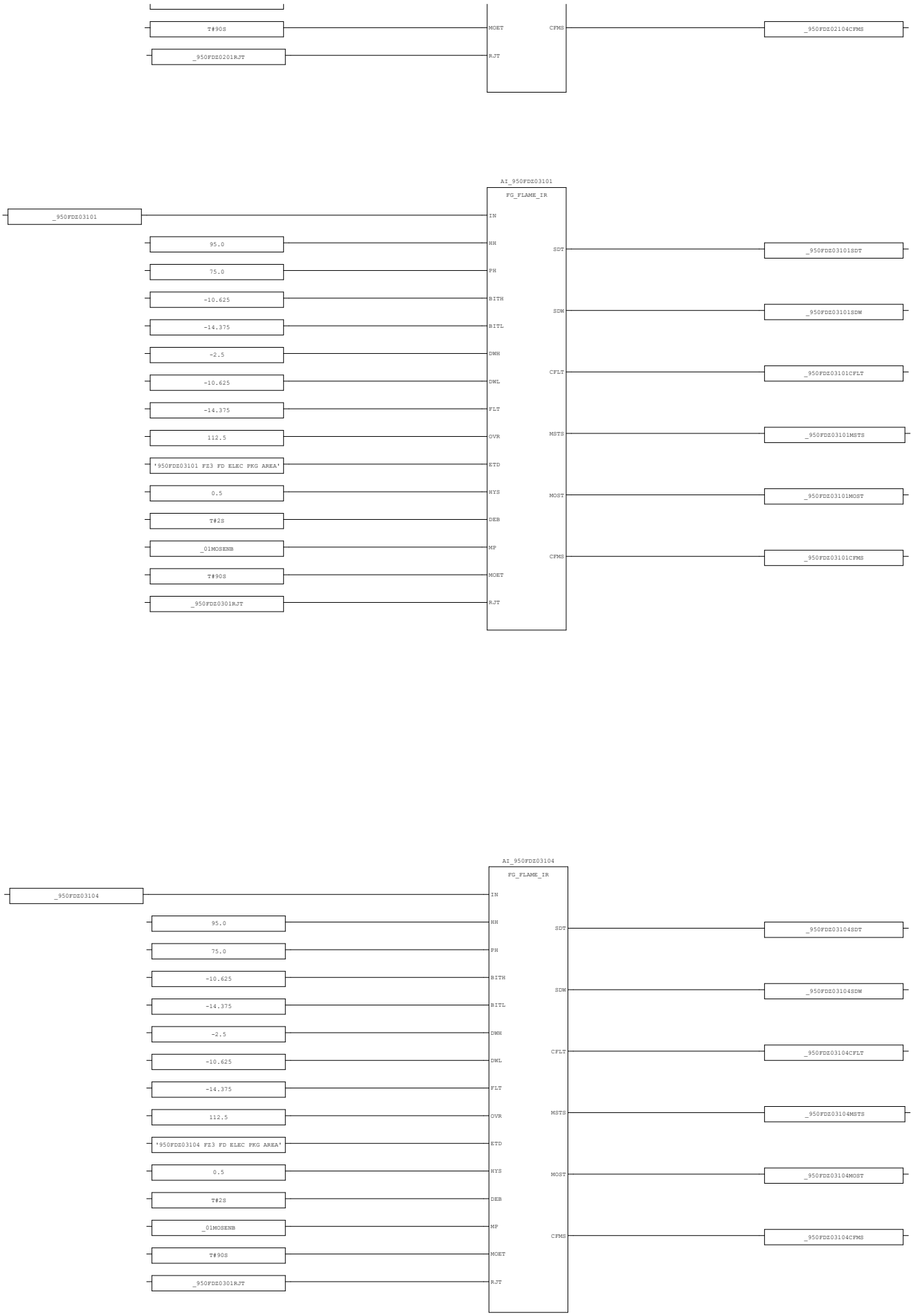




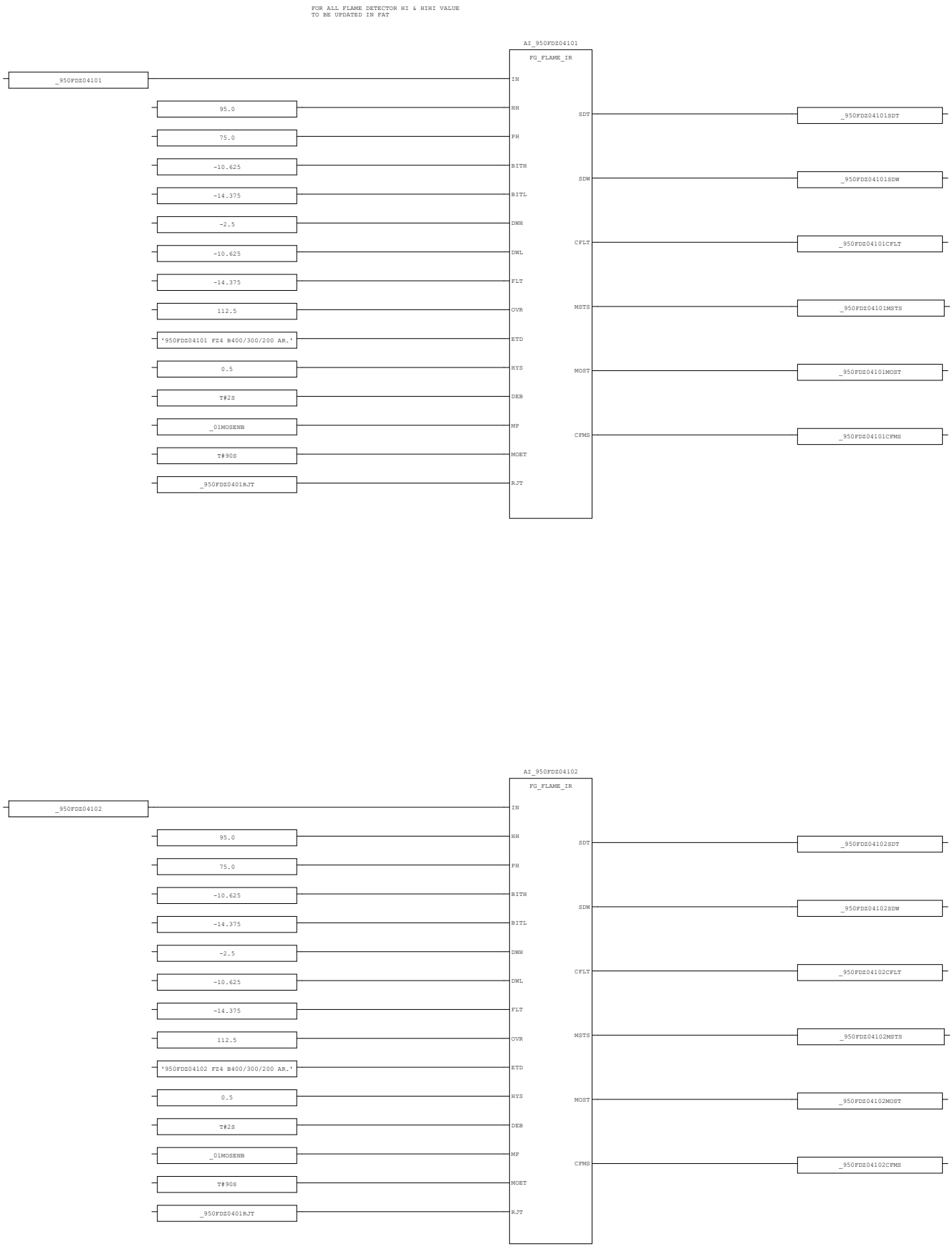


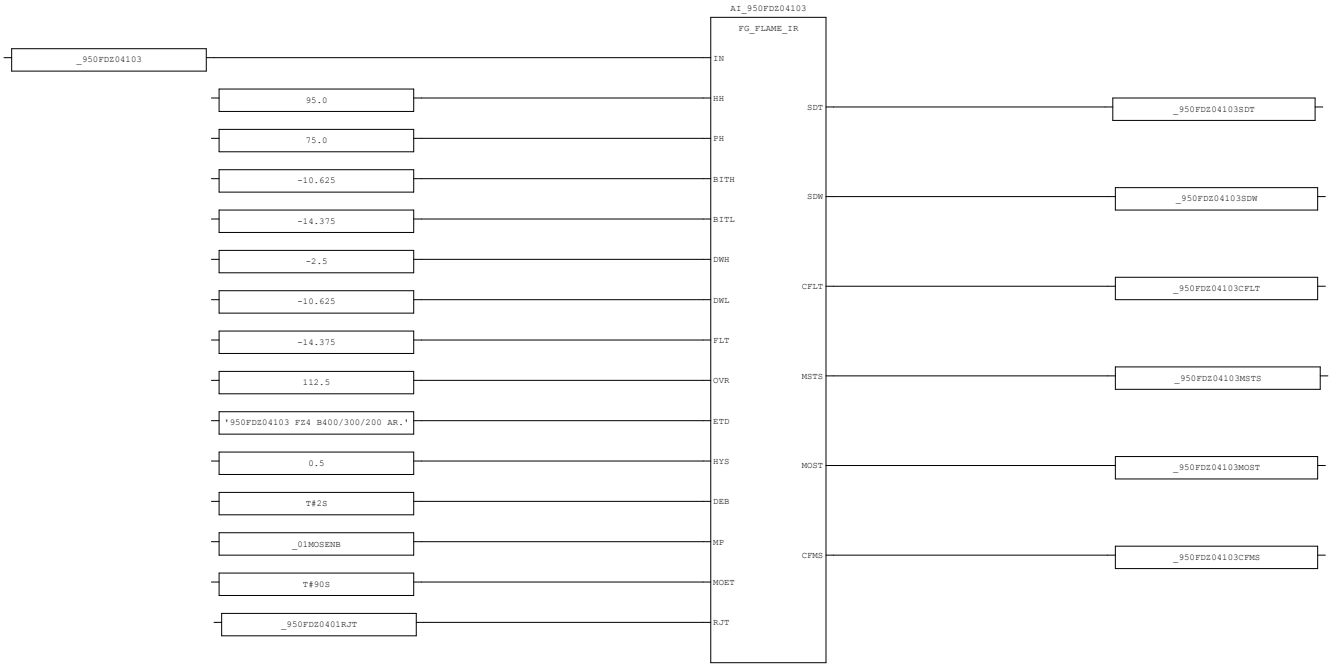


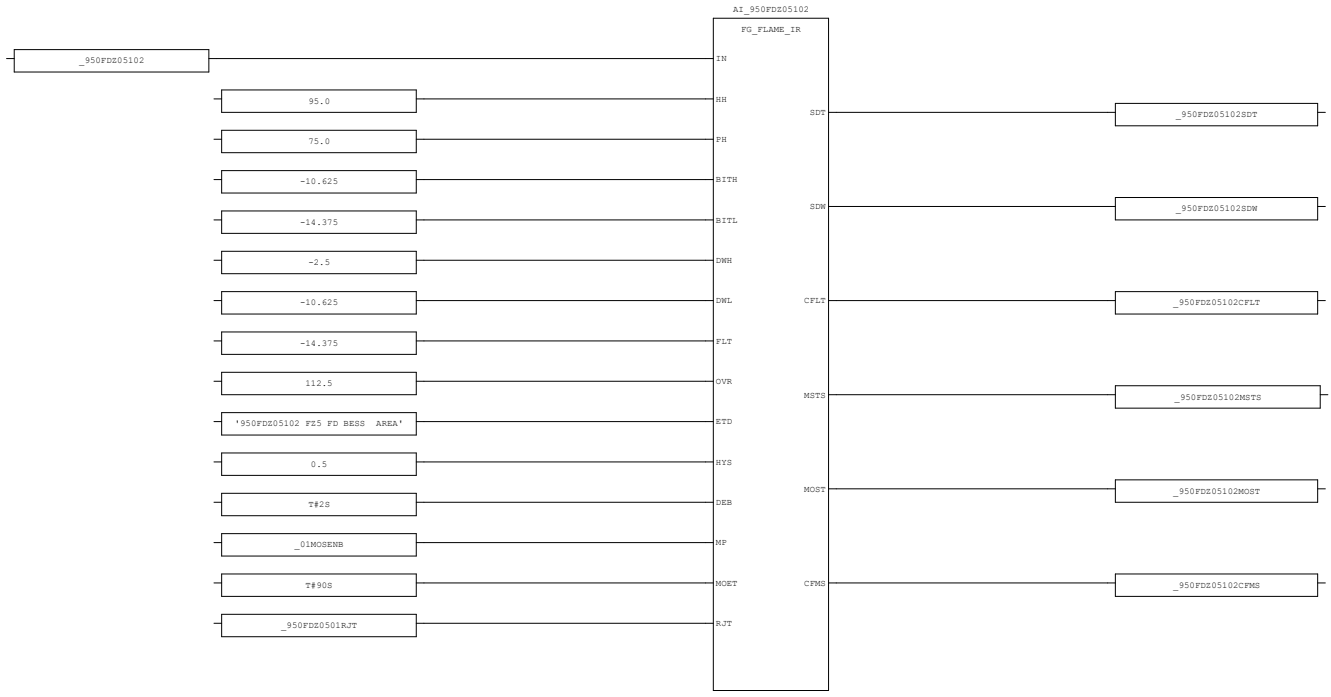
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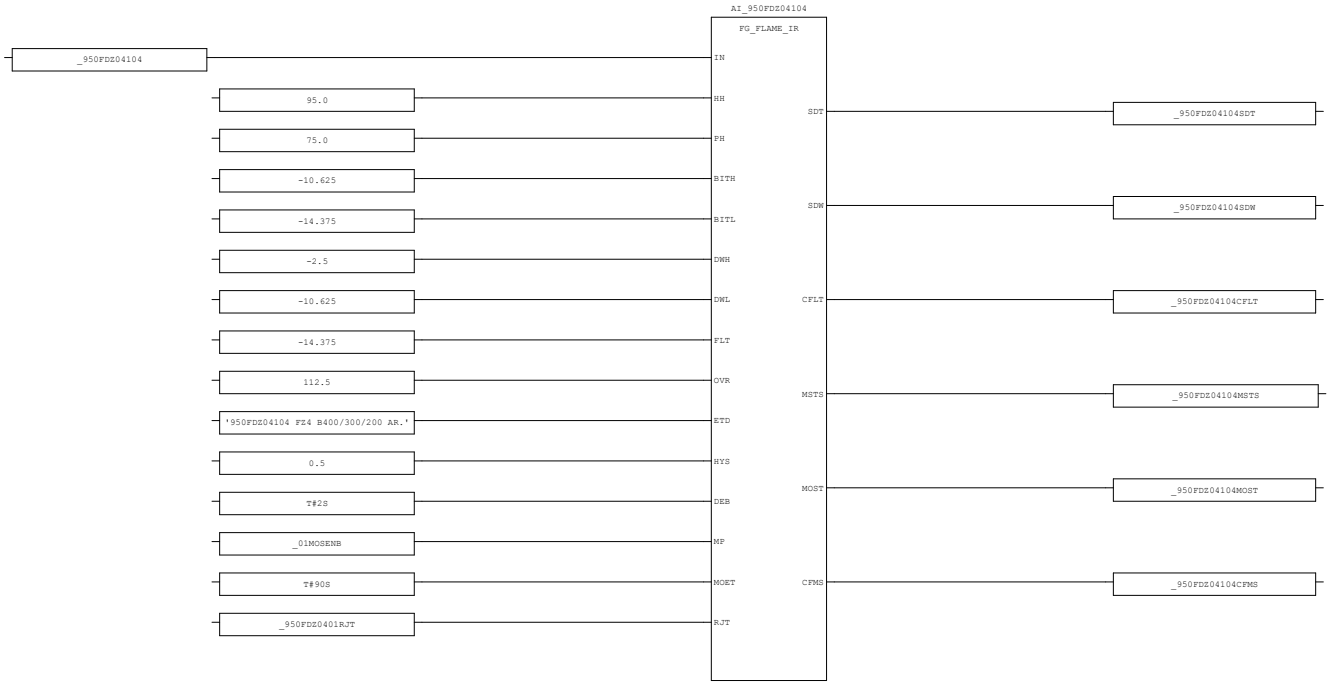

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RJT
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_950FDZ02104CFMS
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FG_FLAME_IR
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HH
75.0
PH
-10.625
BITH
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BITL
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DWH
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FLT
112.5
OVR
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ETD
0.5
HYS
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DEB
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MSTS
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MOST
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CFMS
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SDT
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CFMS
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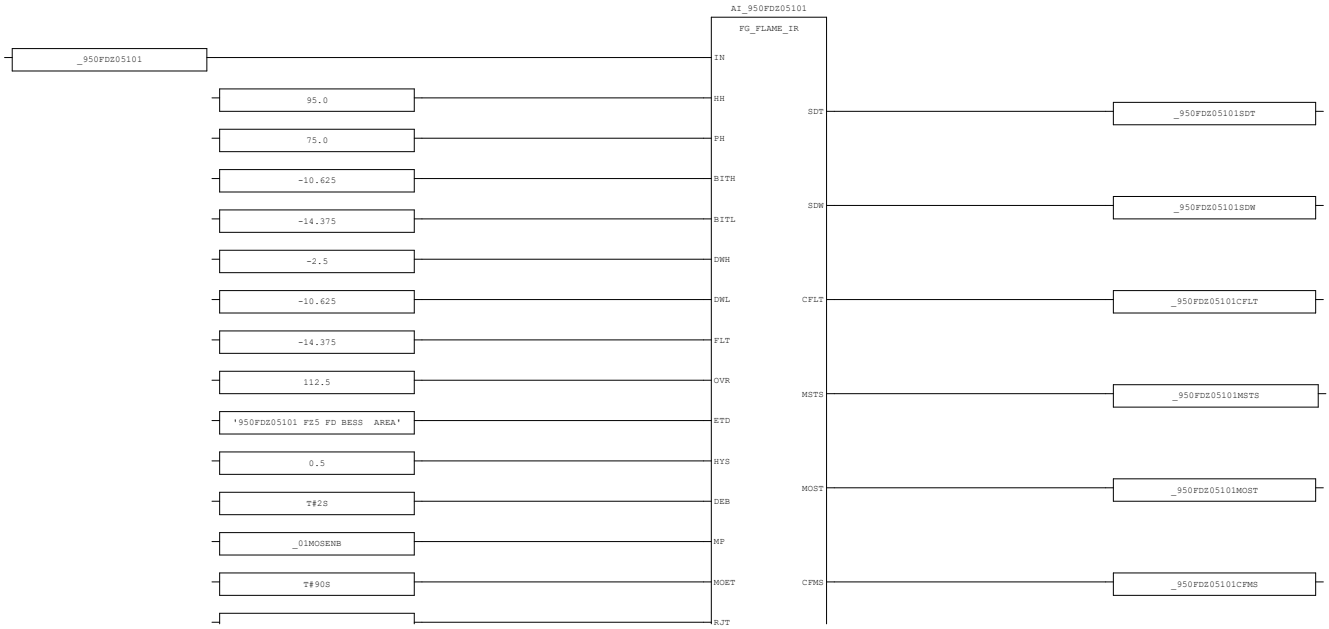
3.6. AI_FD_03 (* Analog Input Processing-Flame Detector *)




AI_950FDZ04103
FG_FLAME_IR
_950FDZ04103
IN
95.0
HH
75.0
PH
-10.625
BITH
-14.375
BITL
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DWH
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DWL
-14.375
FLT
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CFMS
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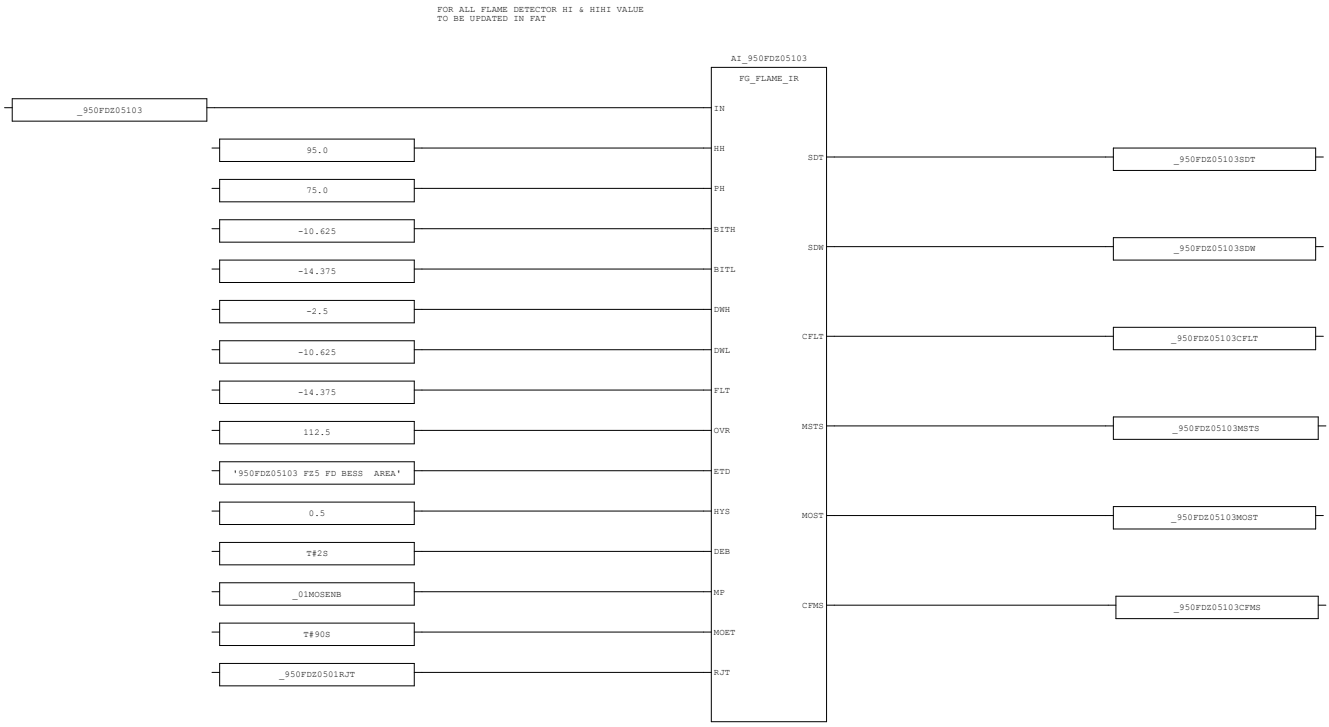

AI_950FDZ05102
FG_FLAME_IR
_950FDZ05102
IN
95.0
HH
75.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ05102 FZ5 FD BESS AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950FDZ0501RJT
RJT
SDT
_950FDZ05102SDT
SDW
_950FDZ05102SDW
CFLT
_950FDZ05102CFLT
MSTS
_950FDZ05102MSTS
MOST
_950FDZ05102MOST
CFMS
_950FDZ05102CFMS

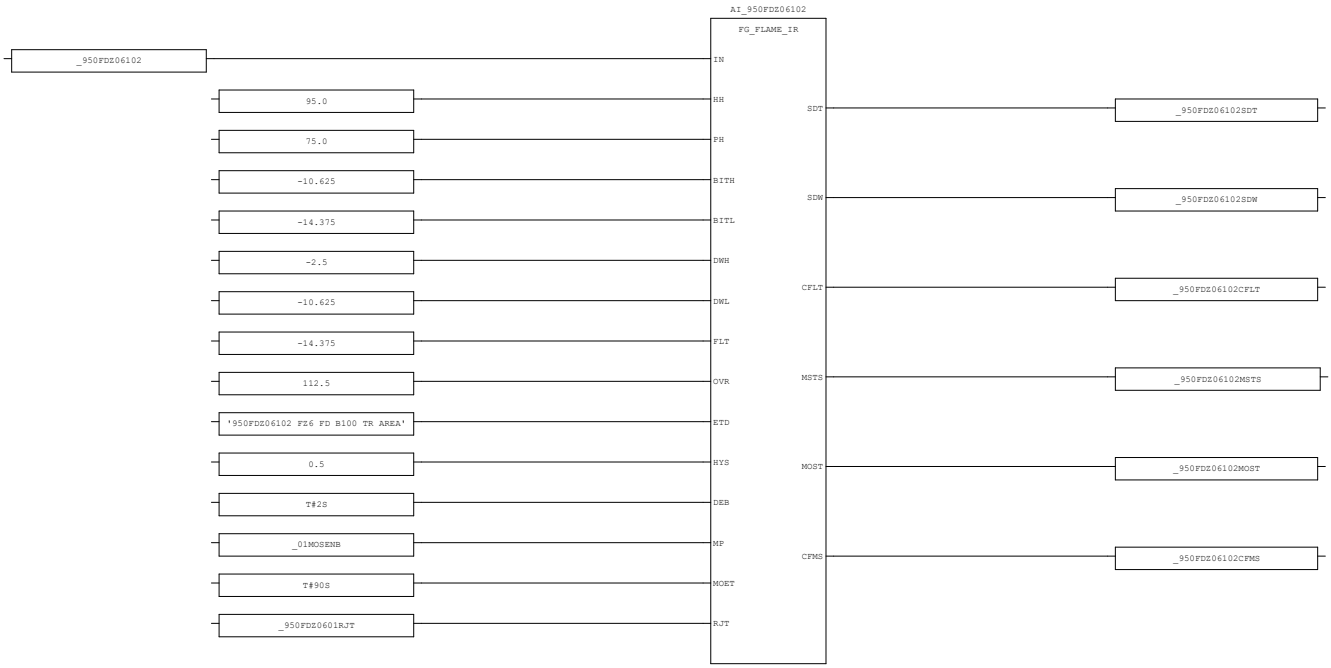

AI_950FDZ04104
FG_FLAME_IR
_950FDZ04104
IN
95.0
HH
75.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ04104 FZ4 B400/300/200 AR.'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950FDZ0401RJT
RJT
SDT
_950FDZ04104SDT
SDW
_950FDZ04104SDW
CFLT
_950FDZ04104CFLT
MSTS
_950FDZ04104MSTS
MOST
_950FDZ04104MOST
CFMS
_950FDZ04104CFMS

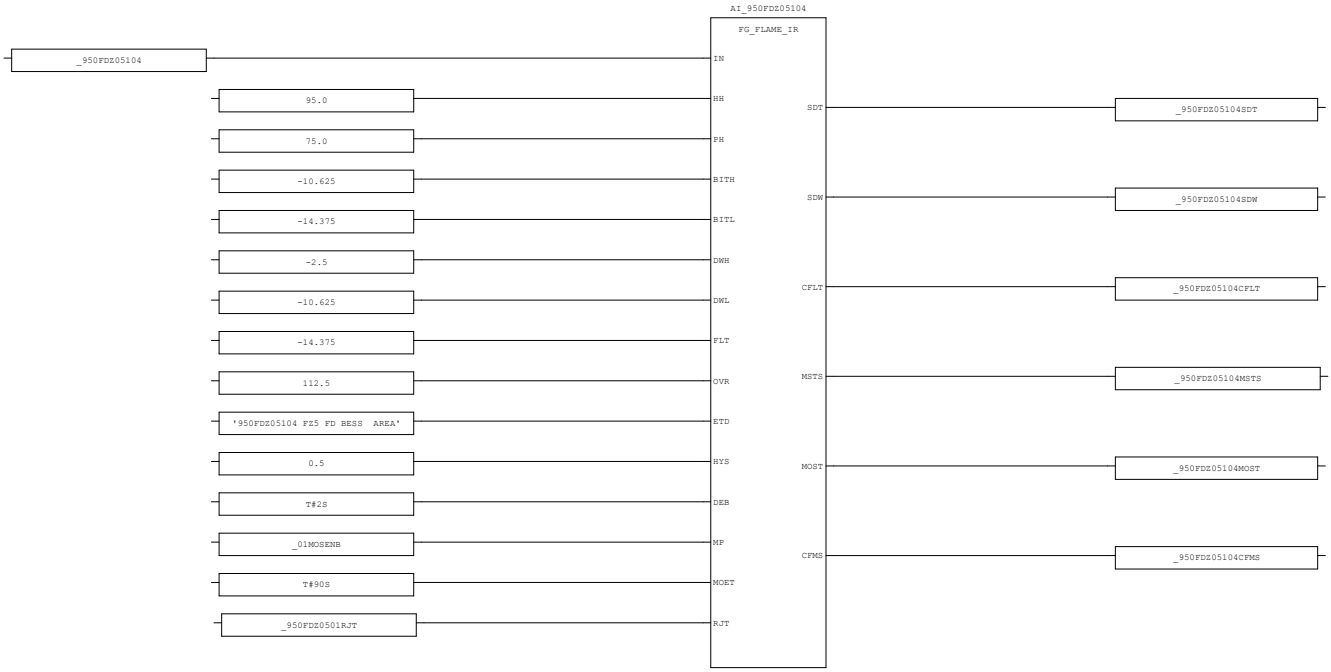

AI_950FDZ05101
FG_FLAME_IR
_950FDZ05101
IN
95.0
HH
75.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ05101 FZ5 FD BESS AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
RJT
SDT
_950FDZ05101SDT
SDW
_950FDZ05101SDW
CFLT
_950FDZ05101CFLT
MSTS
_950FDZ05101MSTS
MOST
_950FDZ05101MOST
CFMS
_950FDZ05101CFMS

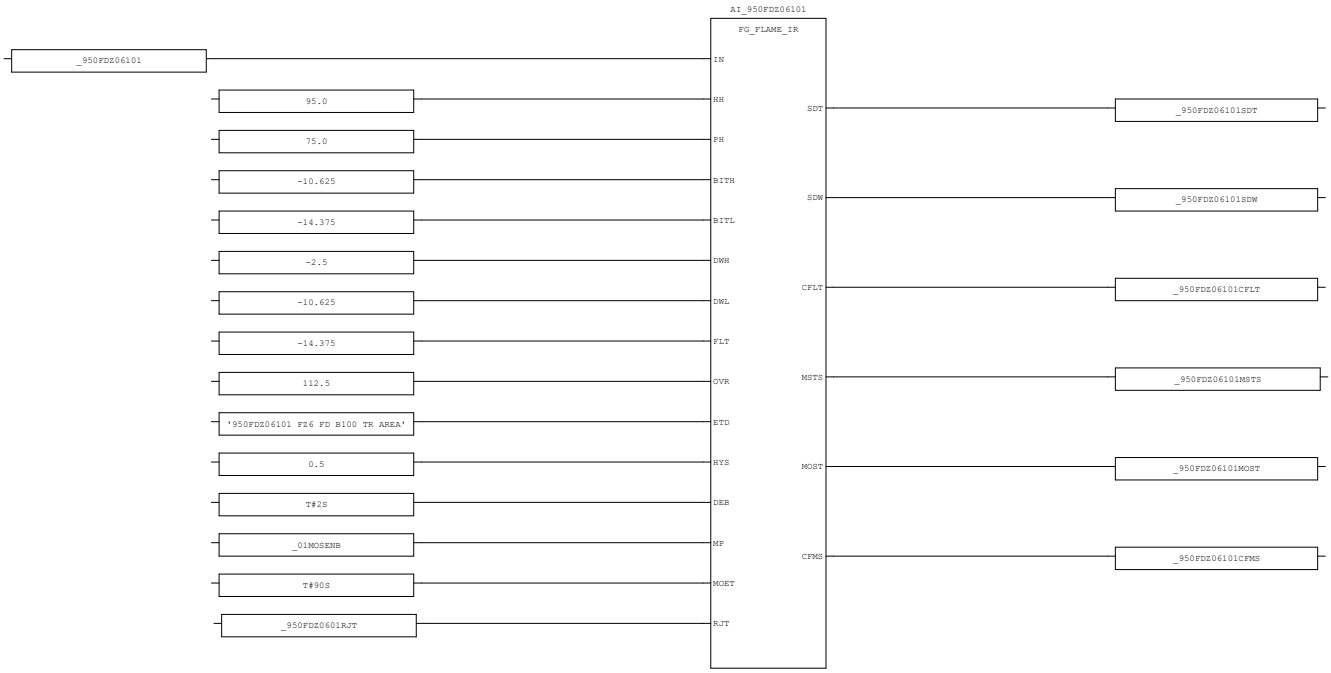
_950FDZ0501RJT

3.7. AI_FD_04 (* Analog Input Processing-Flame Detector *)

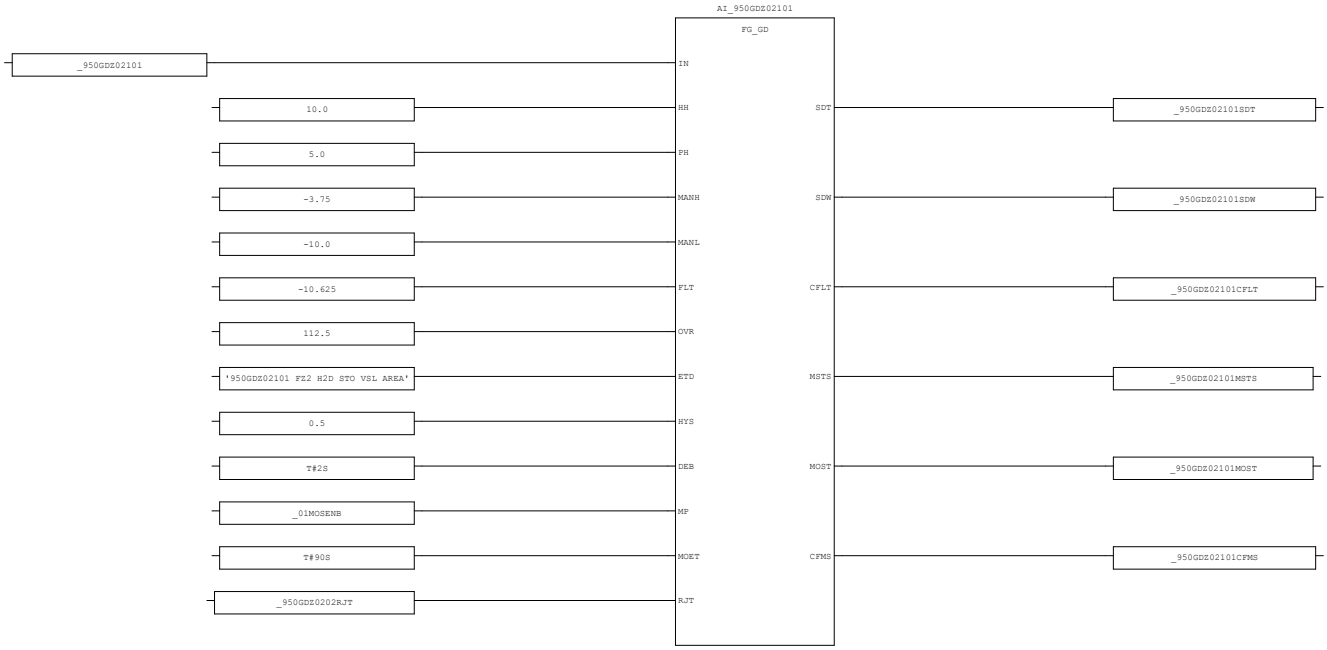


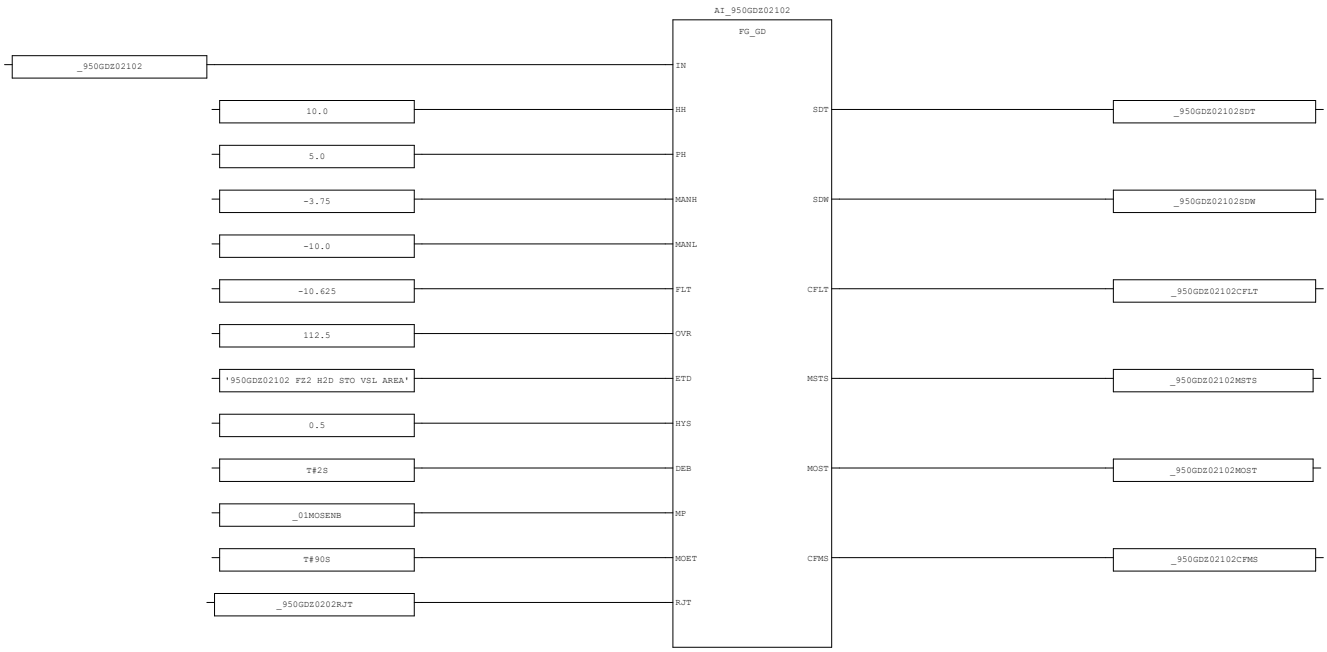


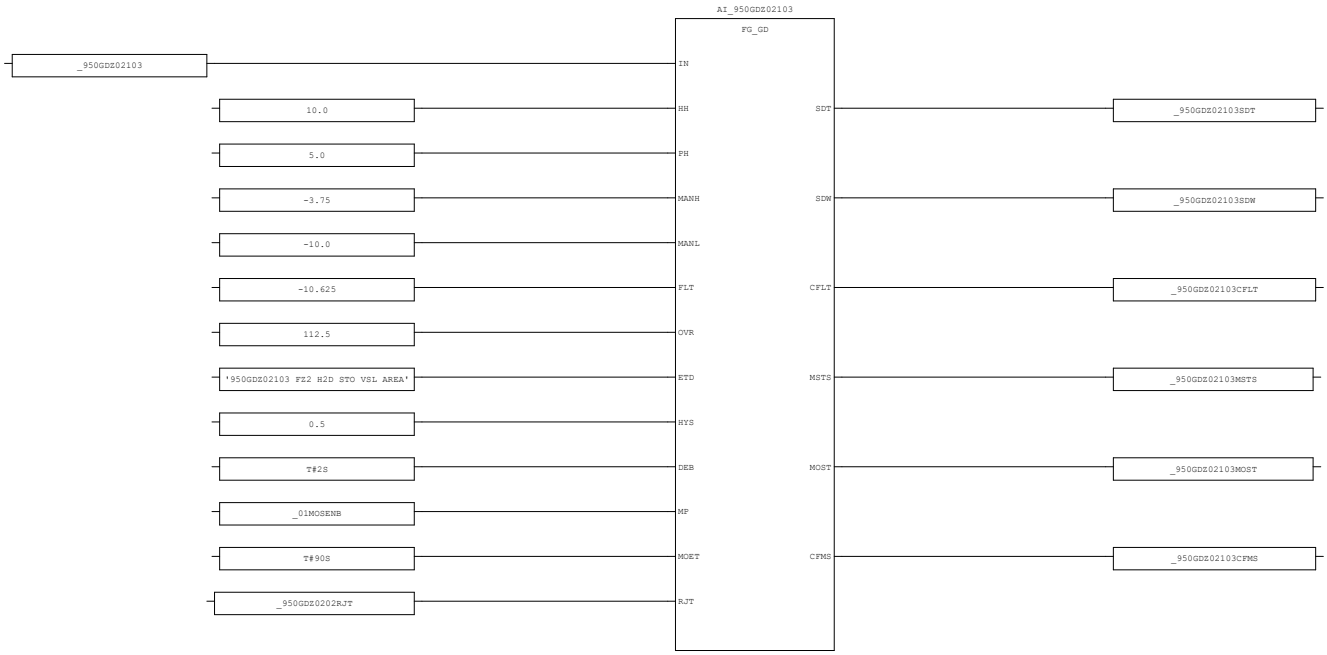

AI_950FDZ05104
FG_FLAME_IR
_950FDZ05104
IN
95.0
HH
75.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ05104 FZ5 FD BESS AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950FDZ0501RJT
RJT
SDT
_950FDZ05104SDT
SDW
_950FDZ05104SDW
CFLT
_950FDZ05104CFLT
MSTS
_950FDZ05104MSTS
MOST
_950FDZ05104MOST
CFMS
_950FDZ05104CFMS

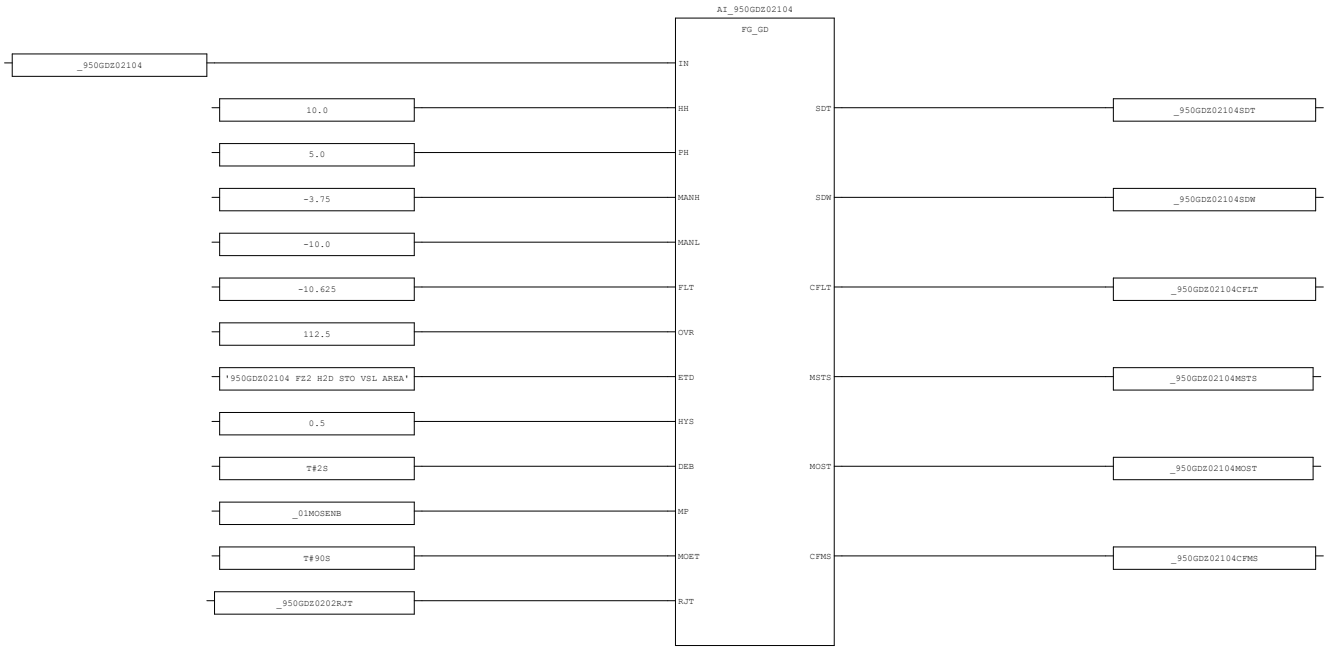

AI_950FDZ06101
FG_FLAME_IR
_950FDZ06101
IN
95.0
HH
75.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ06101 FZ6 FD B100 TR AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950FDZ0601RJT
RJT
SDT
_950FDZ06101SDT
SDW
_950FDZ06101SDW
CFLT
_950FDZ06101CFLT
MSTS
_950FDZ06101MSTS
MOST
_950FDZ06101MOST
CFMS
_950FDZ06101CFMS

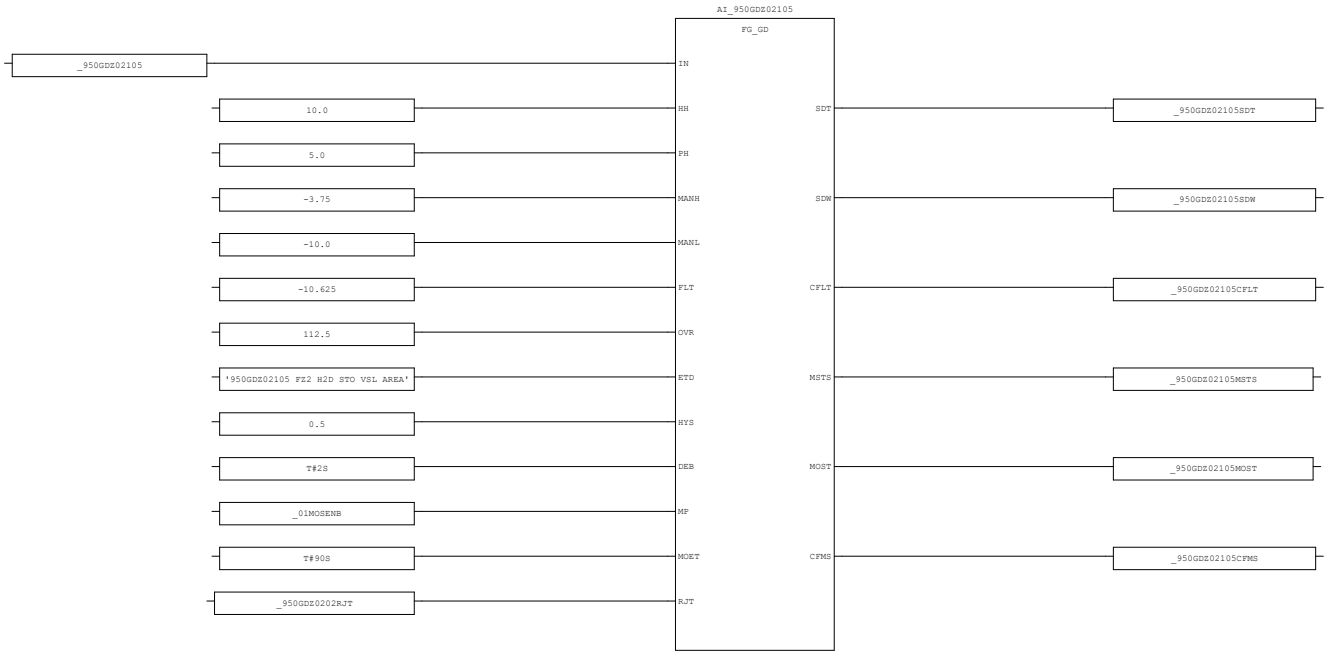
3.8. AI_GD_01 (* Analog Input Processing-Gas Detector *)

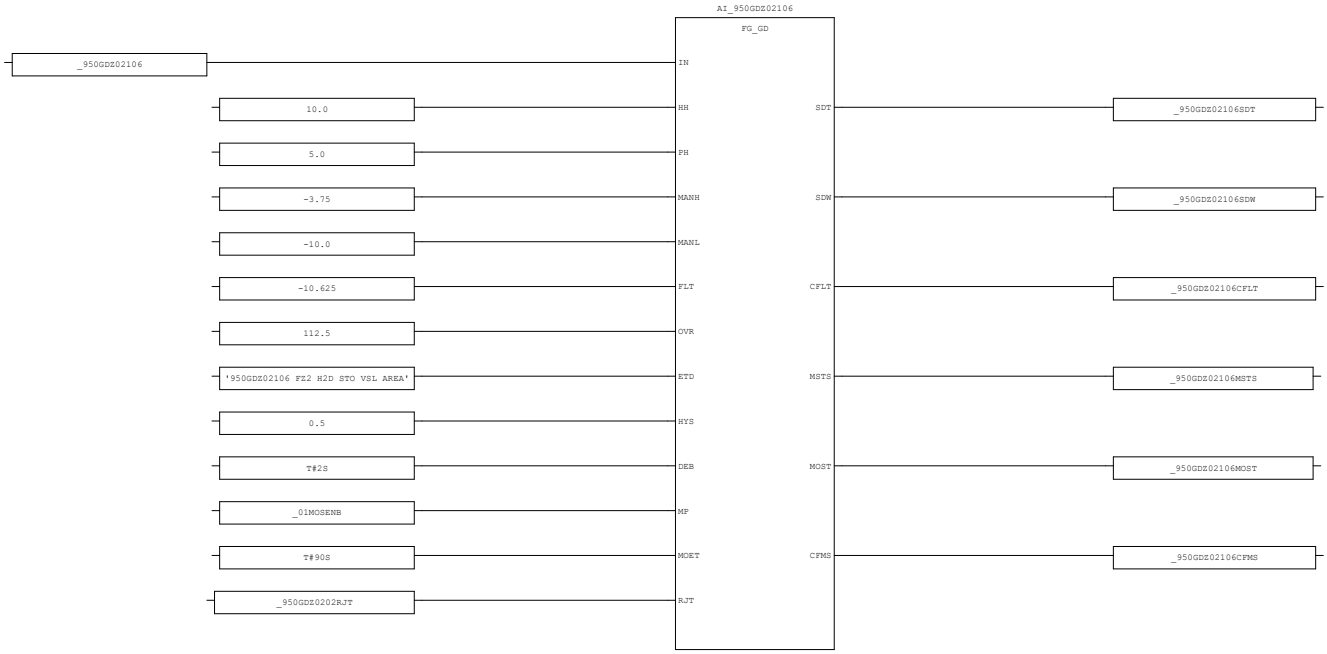




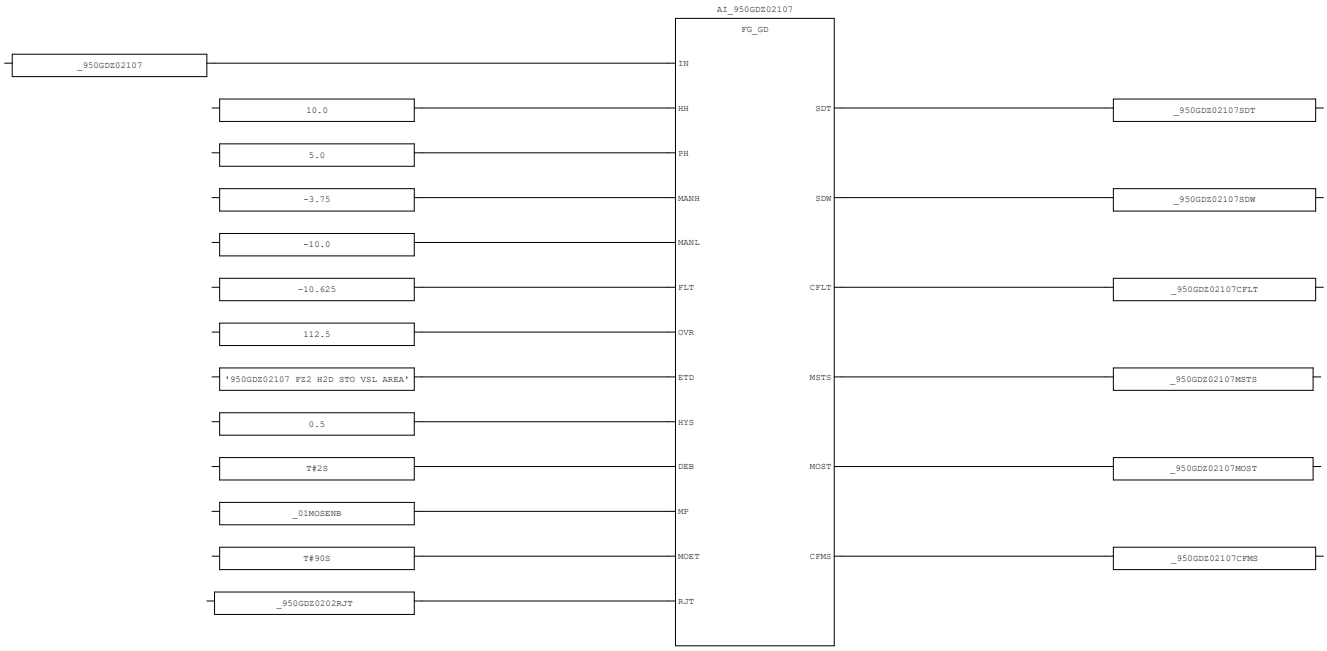

AI_950GDZ02103
FG_GD
_950GDZ02103
IN
10.0
HH
5.0
FH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02103 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02103SDT
SDW
_950GDZ02103SDW
CFLT
_950GDZ02103CFLT
MSTS
_950GDZ02103MSTS
MOST
_950GDZ02103MOST
CFMS
_950GDZ02103CFMS

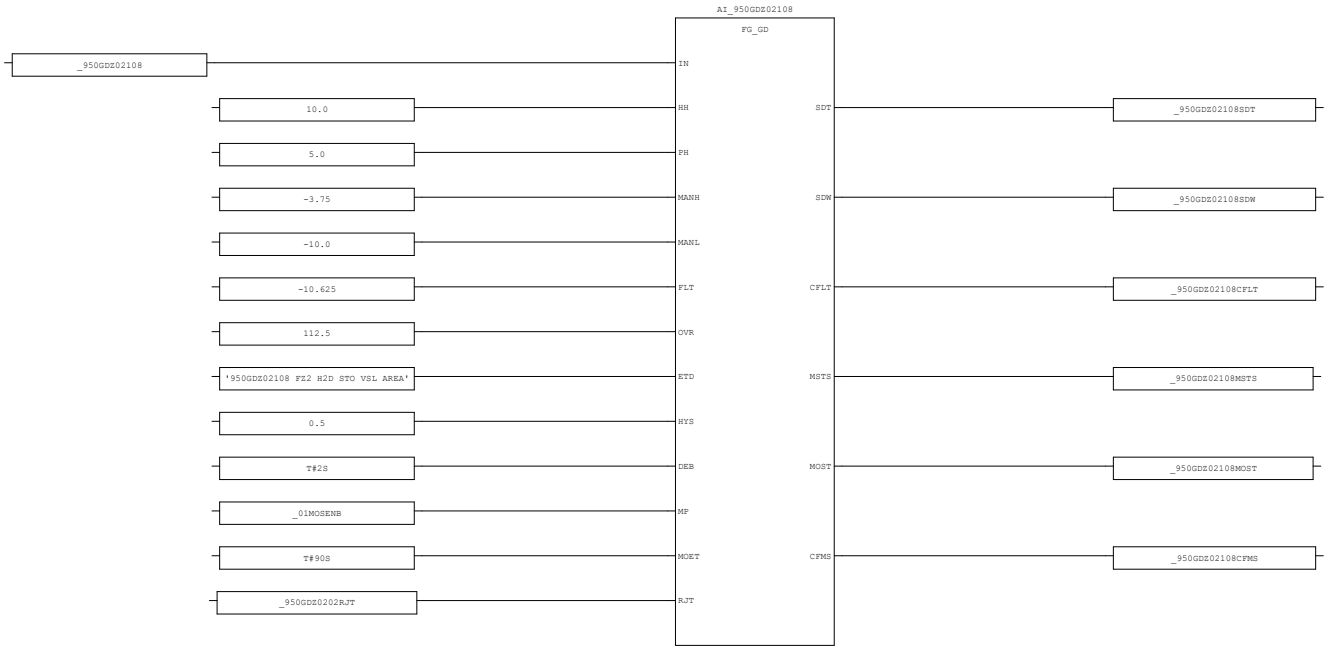

AI_950GDZ02104
FG_GD
_950GDZ02104
IN
10.0
HH
5.0
FH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02104 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02104SDT
SDW
_950GDZ02104SDW
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CFMS
_950GDZ02104CFMS

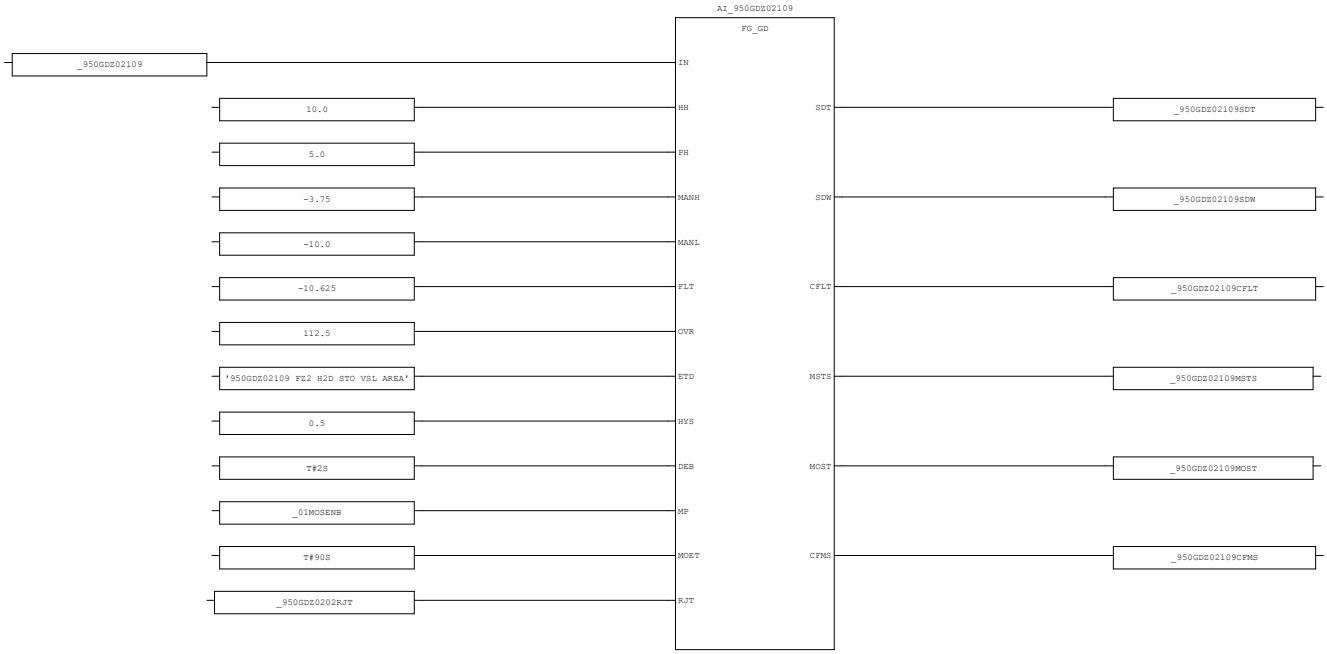

AI_950GDZ02105
FG_GD
_950GDZ02105
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02105 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02105SDT
SDW
_950GDZ02105SDW
CFLT
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MSTS
_950GDZ02105MSTS
MOST
_950GDZ02105MOST
CFMS
_950GDZ02105CFMS

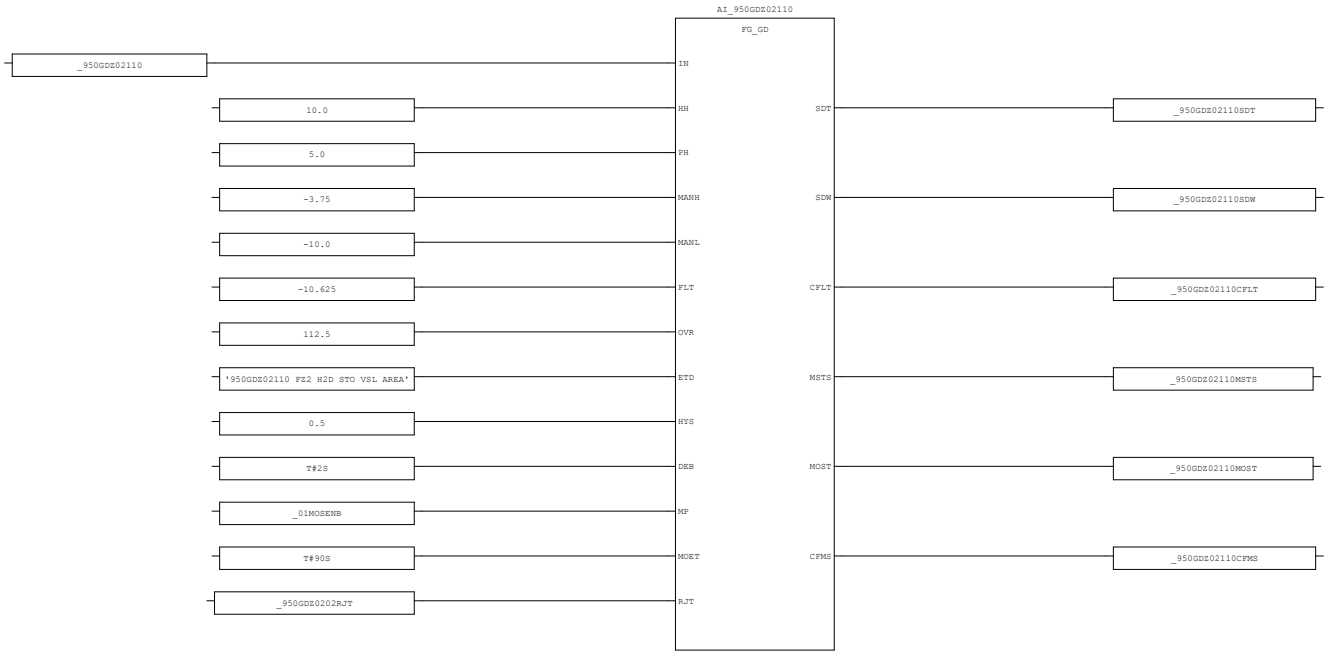

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FG_GD
_950GDZ02106
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02106 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02106SDT
SDW
_950GDZ02106SDW
CFLT
_950GDZ02106CFLT
MSTS
_950GDZ02106MSTS
MOST
_950GDZ02106MOST
CFMS
_950GDZ02106CFMS

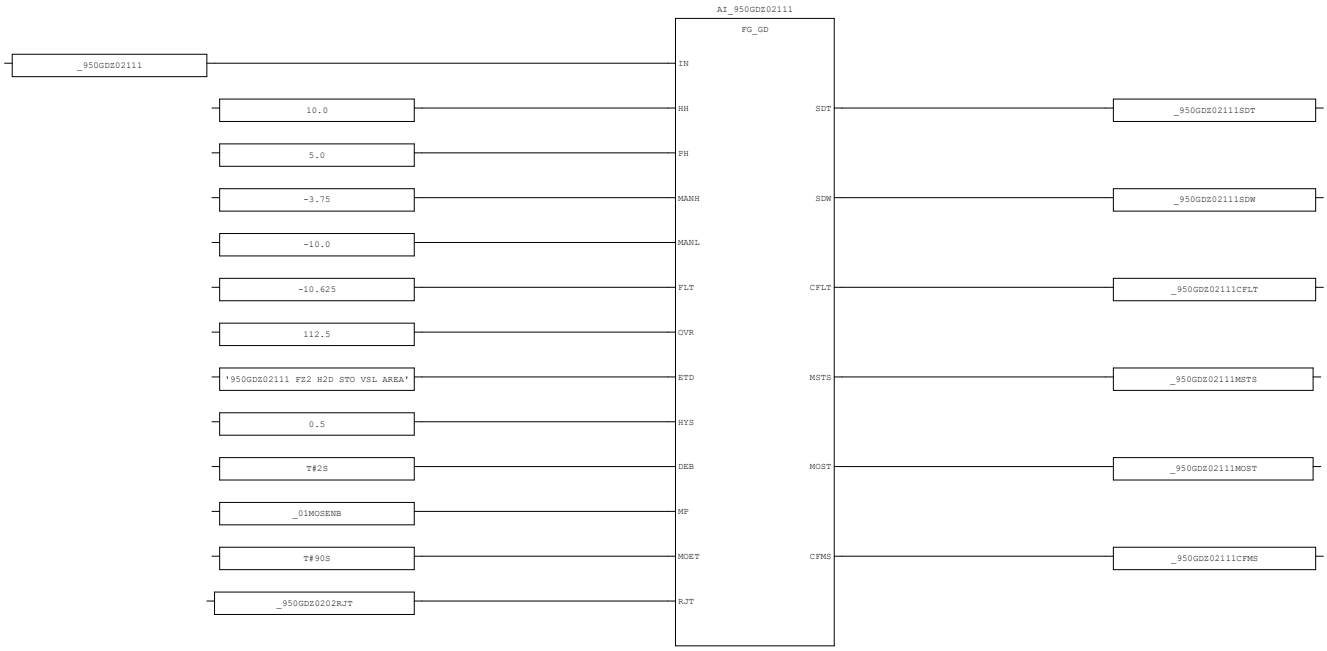
3.9. AI_GD_02 (* Analog Input Processing-Gas Detector *)

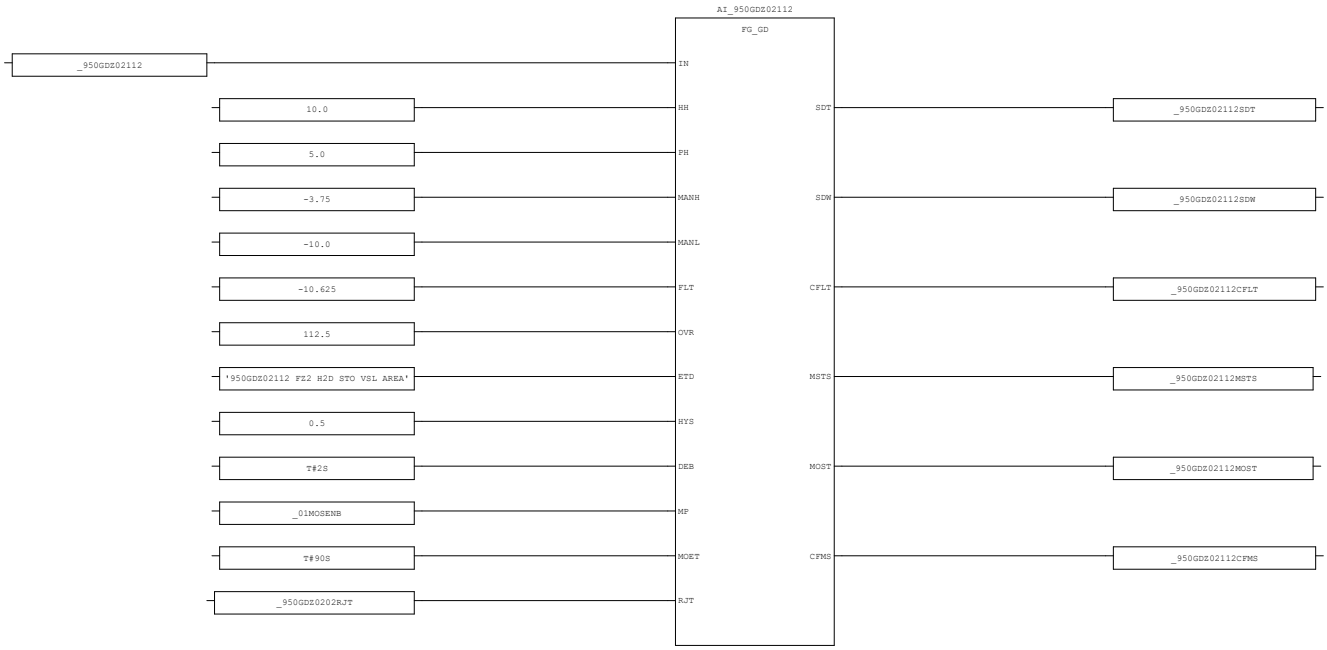




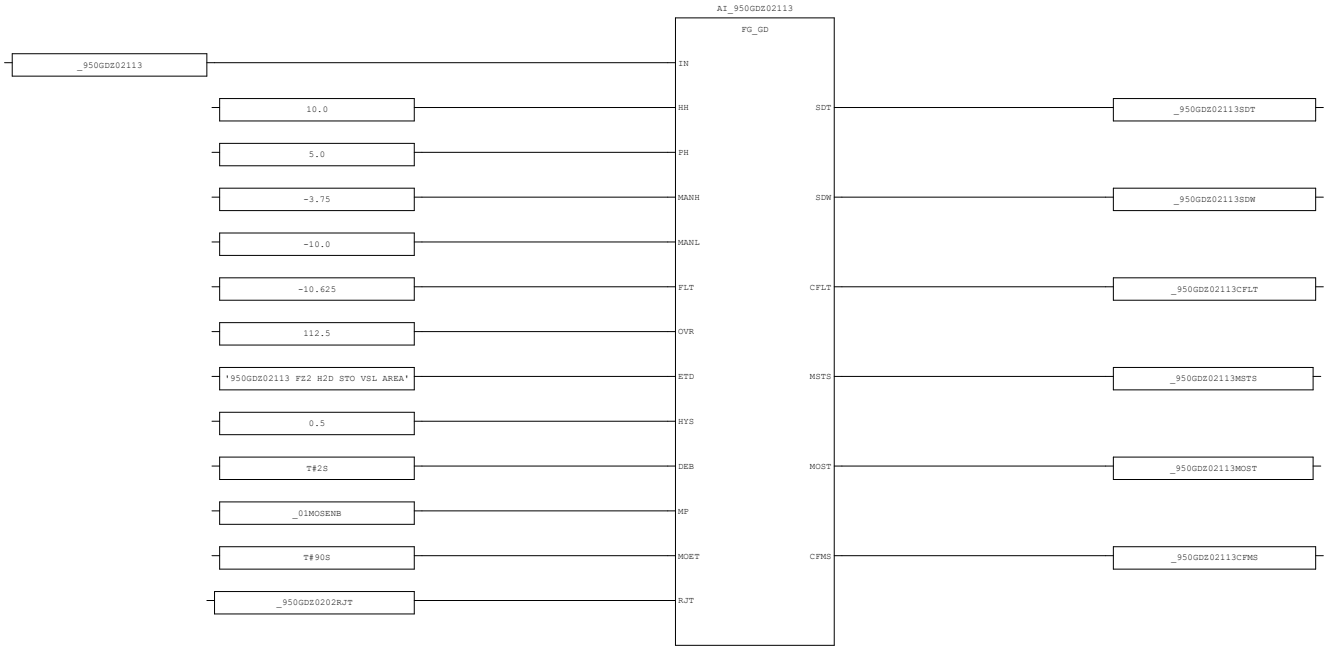

AI_950GDZ02109
FG_GD
_950GDZ02109
IN
10.0
HH
5.0
FH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02109 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02109SDT
SDW
_950GDZ02109SDW
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MSTS
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MOST
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CFMS
_950GDZ02109CFMS

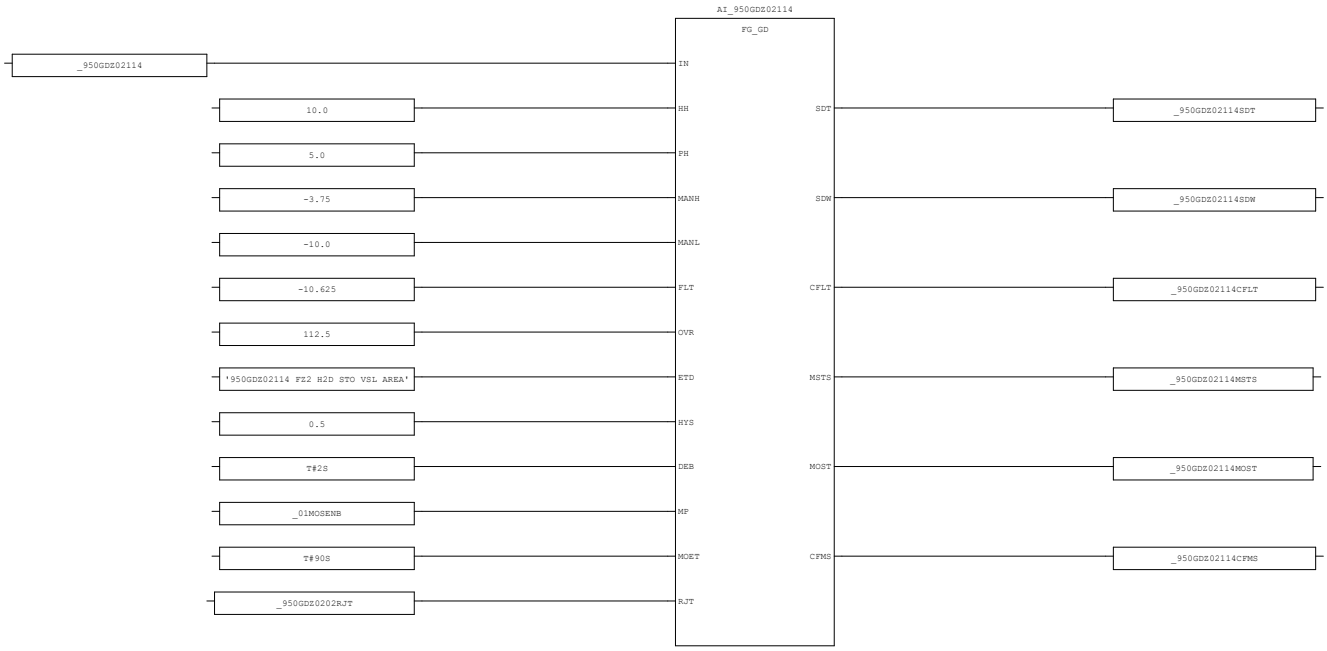

AI_950GDZ02110
FG_GD
_950GDZ02110
IN
10.0
HH
5.0
FH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02110 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02110SDT
SDW
_950GDZ02110SDW
CFLT
_950GDZ02110CFLT
MSTS
_950GDZ02110MSTS
MOST
_950GDZ02110MOST
CFMS
_950GDZ02110CFMS

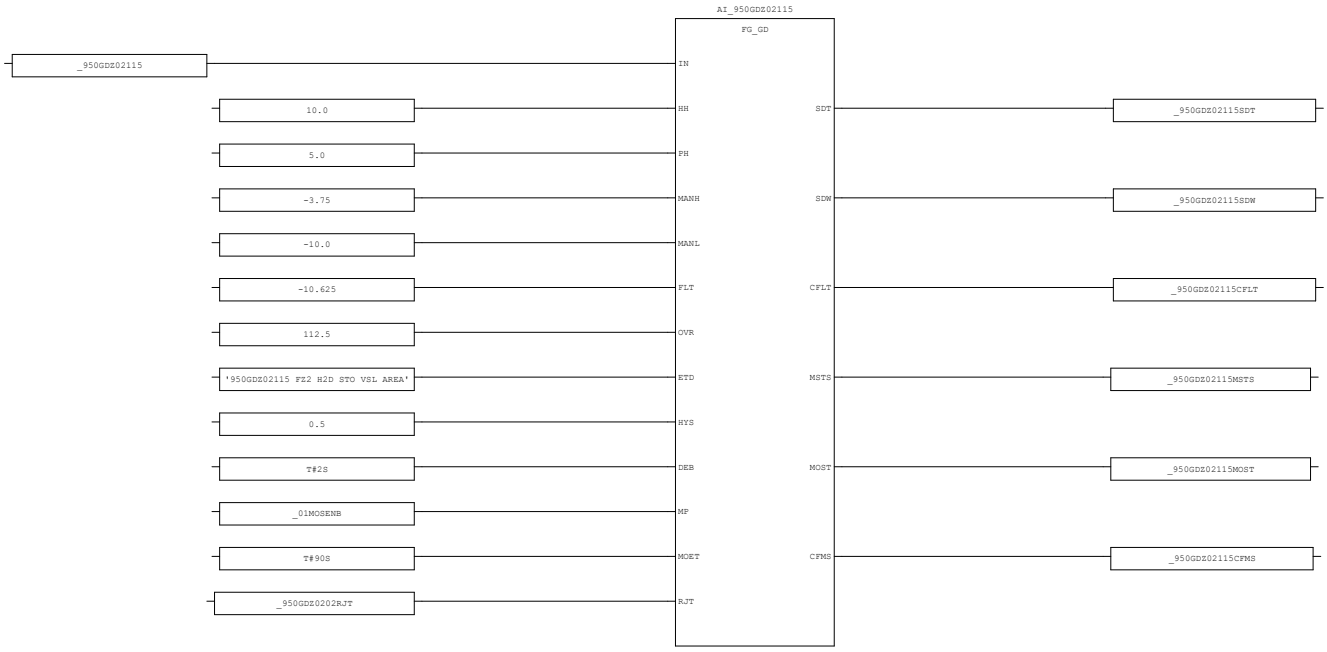

AI_950GDZ02111
FG_GD
_950GDZ02111
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02111 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02111SDT
SDW
_950GDZ02111SDW
CFLT
_950GDZ02111CFLT
MSTS
_950GDZ02111MSTS
MOST
_950GDZ02111MOST
CFMS
_950GDZ02111CFMS

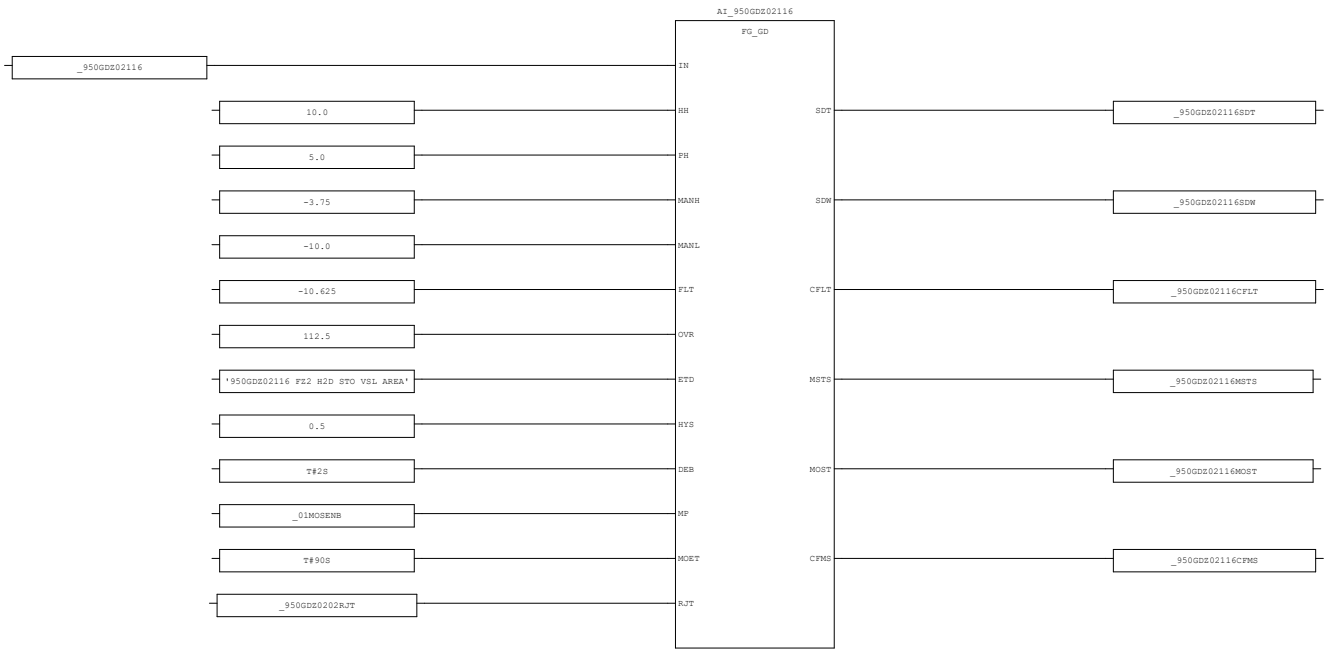

AI_950GDZ02112
FG_GD
_950GDZ02112
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02112 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02112SDT
SDW
_950GDZ02112SDW
CFLT
_950GDZ02112CFLT
MSTS
_950GDZ02112MSTS
MOST
_950GDZ02112MOST
CFMS
_950GDZ02112CFMS

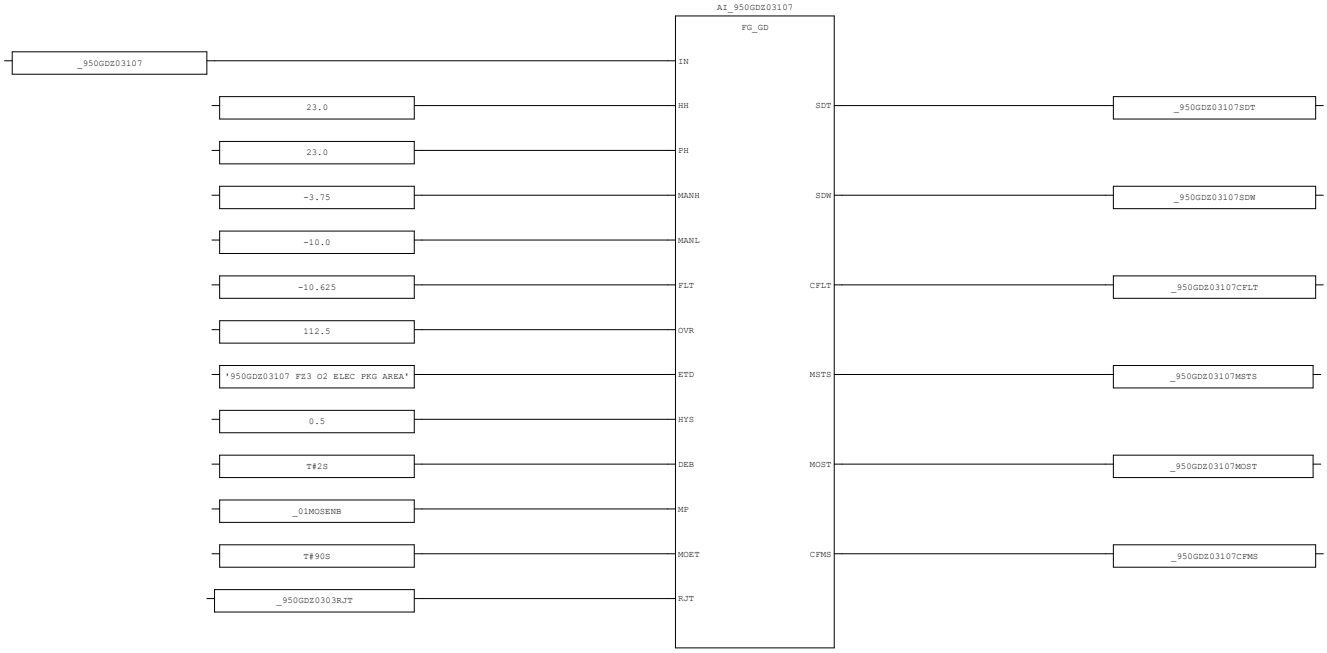
3.10. AI_GD_03 (* Analog Input Processing-Gas Detector *)

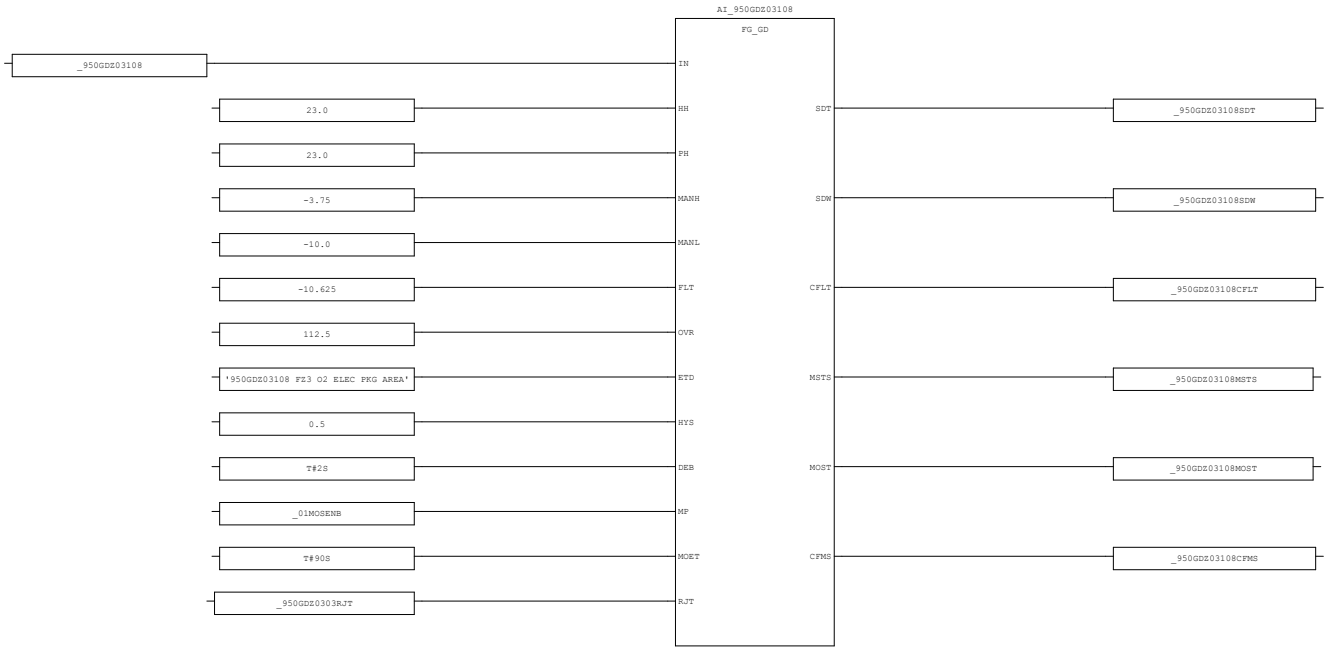




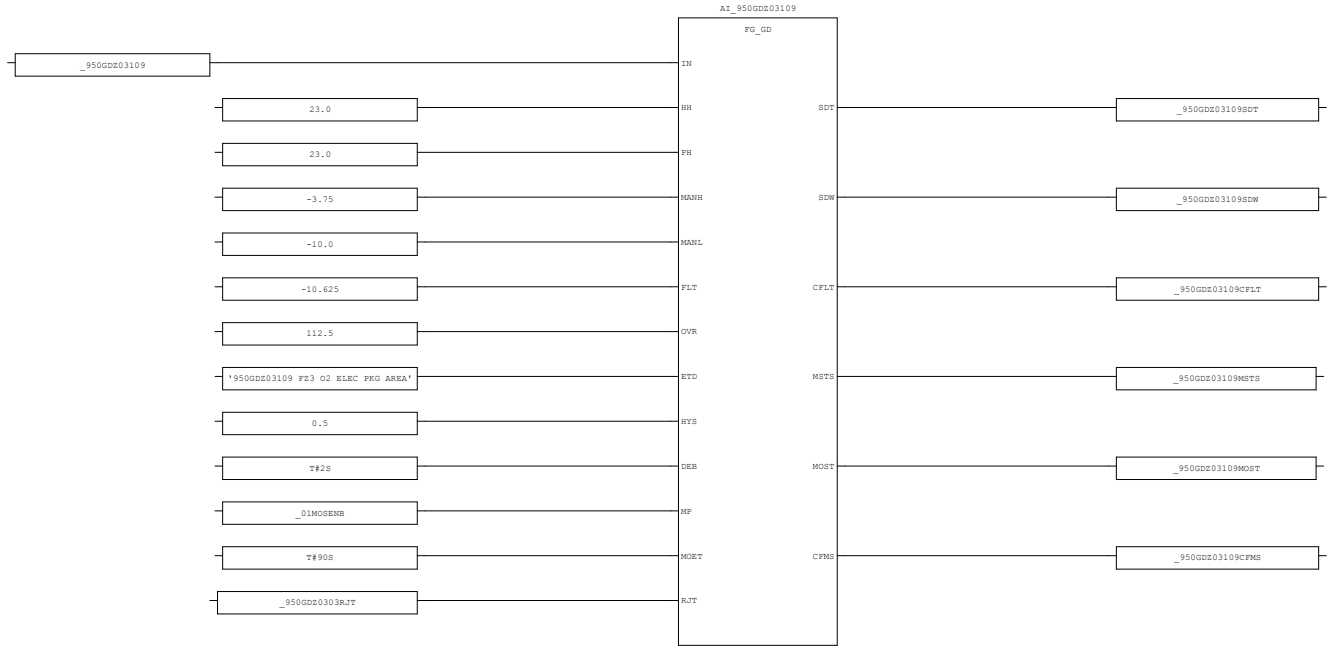

AI_950GDZ02115
FG_GD
_950GDZ02115
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02115 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02115SDT
SDW
_950GDZ02115SDW
CFLT
_950GDZ02115CFLT
MSTS
_950GDZ02115MSTS
MOST
_950GDZ02115MOST
CFMS
_950GDZ02115CFMS

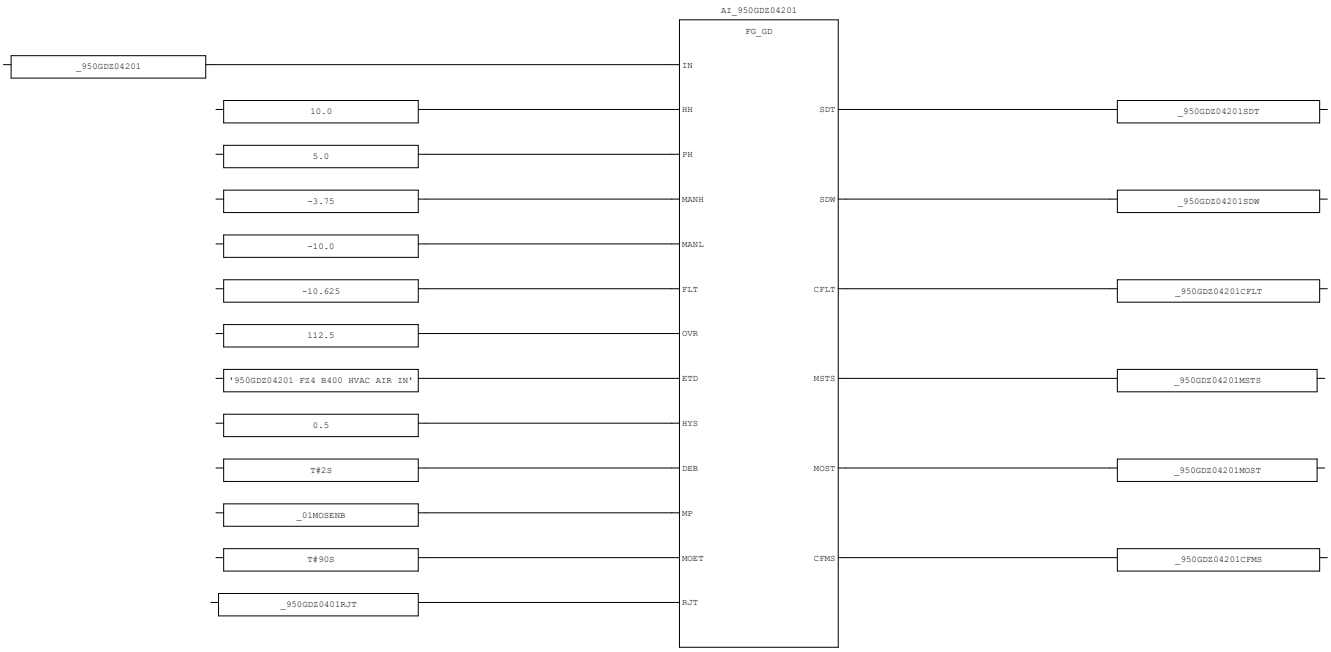

AI_950GDZ02116
FG_GD
_950GDZ02116
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02116 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02116SDT
SDW
_950GDZ02116SDW
CFLT
_950GDZ02116CFLT
MSTS
_950GDZ02116MSTS
MOST
_950GDZ02116MOST
CFMS
_950GDZ02116CFMS

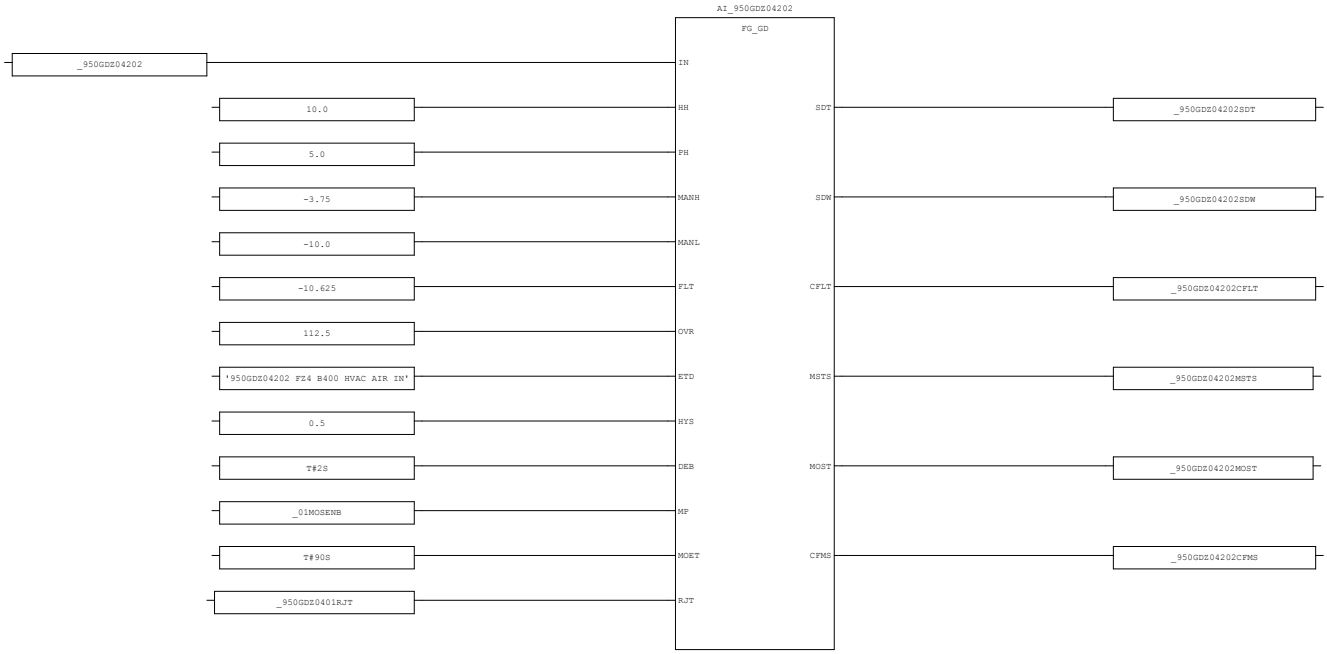

AI_950GDZ03107
FG_GD
_950GDZ03107
IN
23.0
HH
23.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ03107 FZ3 O2 ELEC PKG AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0303RJT
RJT
SDT
_950GDZ03107SDT
SDW
_950GDZ03107SDW
CFLT
_950GDZ03107CFLT
MSTS
_950GDZ03107MSTS
MOST
_950GDZ03107MOST
CFMS
_950GDZ03107CFMS

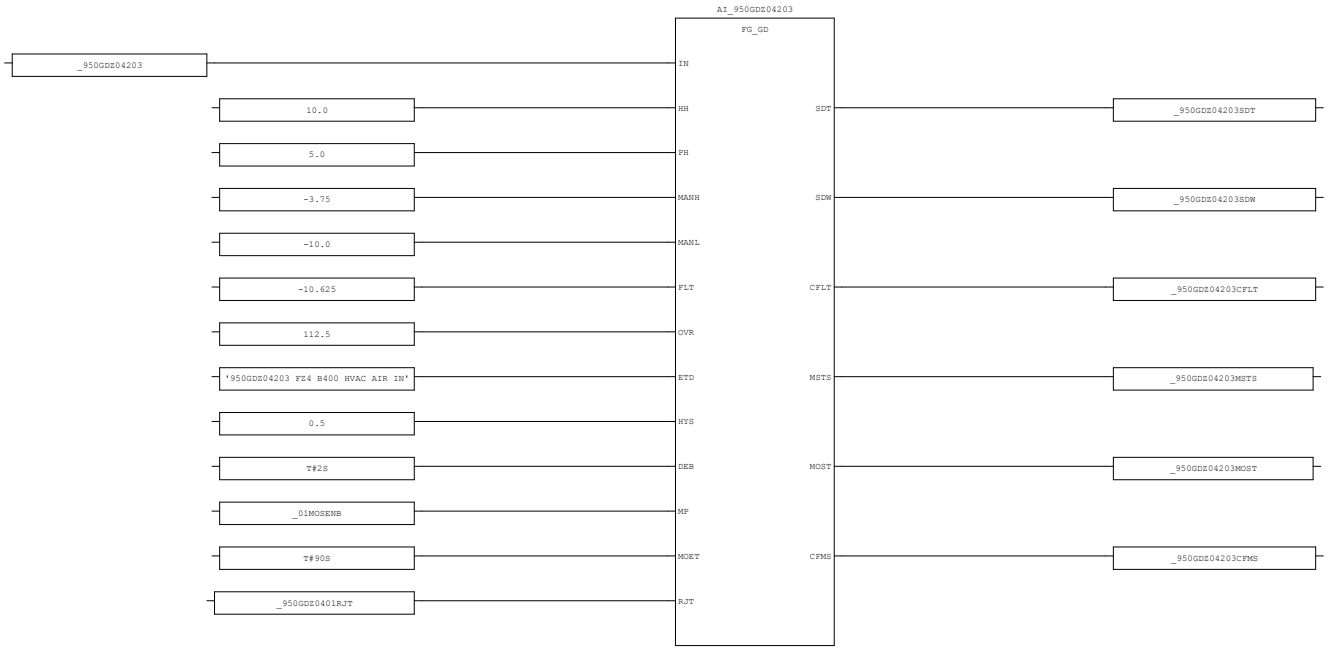

AI_950GDZ03108
FG_GD
_950GDZ03108
IN
23.0
HH
23.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ03108 FZ3 O2 ELEC PKG AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0303RJT
RJT
SDT
_950GDZ03108SDT
SDW
_950GDZ03108SDW
CFLT
_950GDZ03108CFLT
MSTS
_950GDZ03108MSTS
MOST
_950GDZ03108MOST
CFMS
_950GDZ03108CFMS

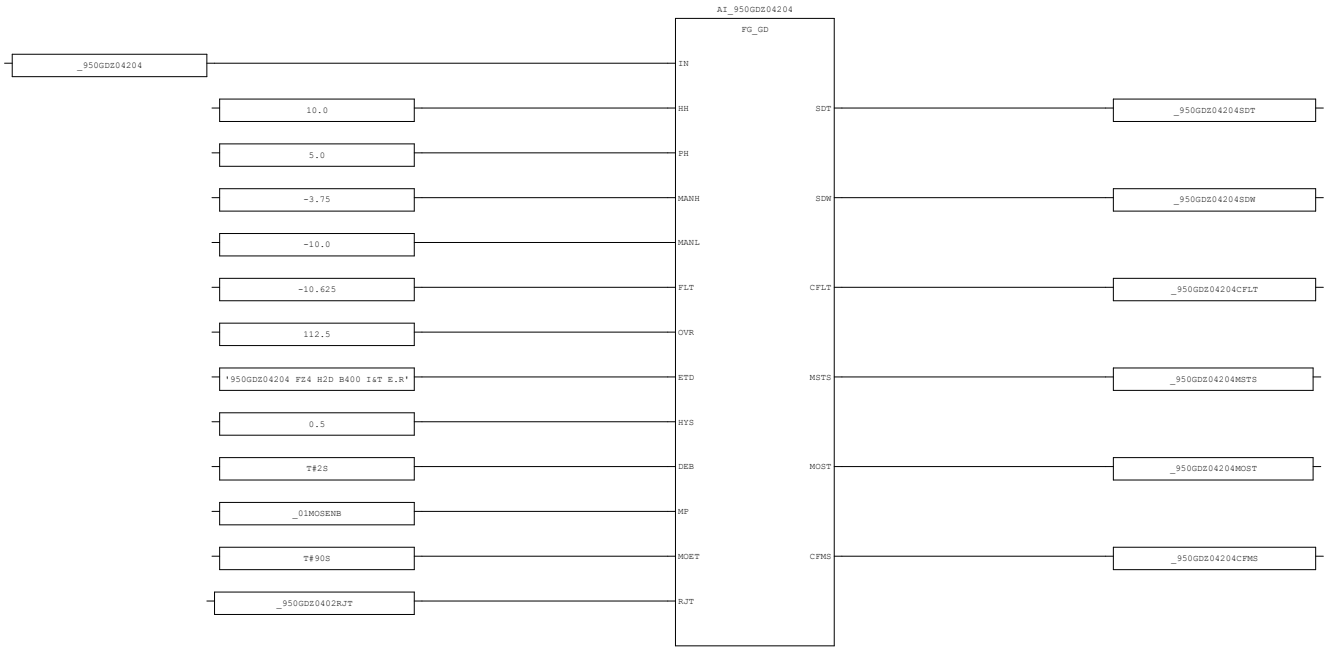
3.11. AI_GD_04 (* Analog Input Processing-Gas Detector *)

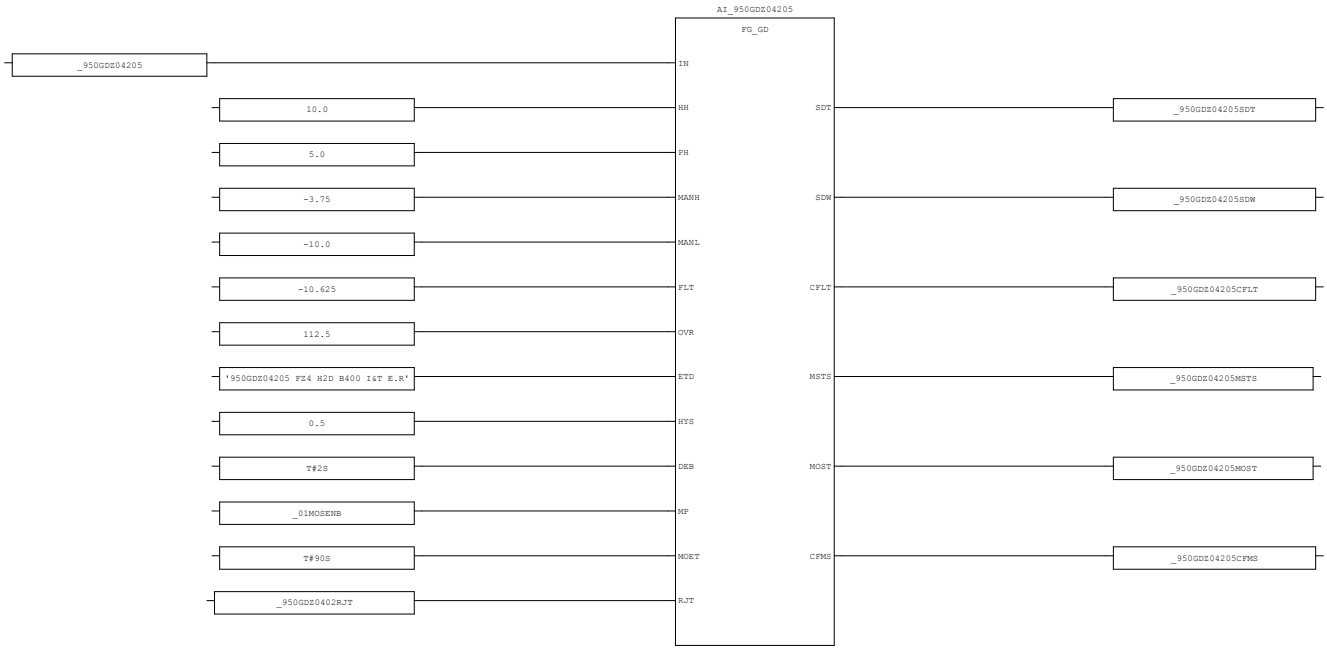




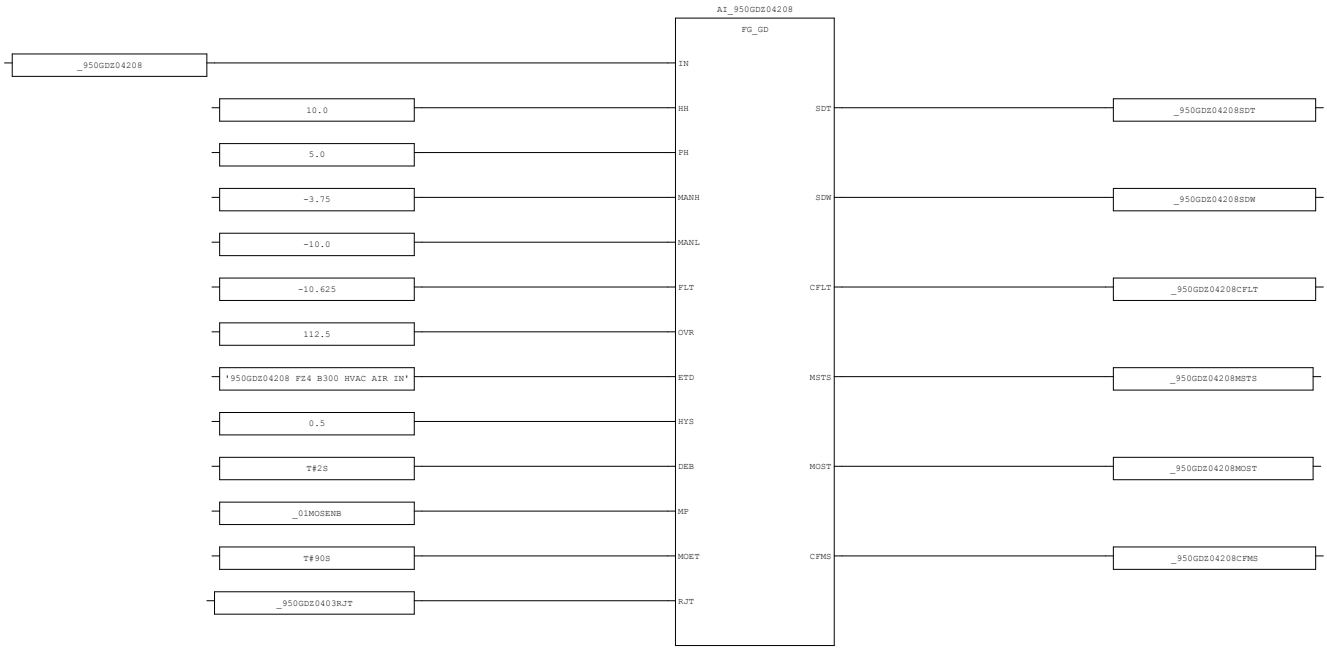

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FG_GD
_950GDZ04202
IN
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HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04202 FZ4 B400 HVAC AIR IN'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0401RJT
RJT
SDT
_950GDZ04202SDT
SDW
_950GDZ04202SDW
CFLT
_950GDZ04202CFLT
MSTS
_950GDZ04202MSTS
MOST
_950GDZ04202MOST
CFMS
_950GDZ04202CFMS

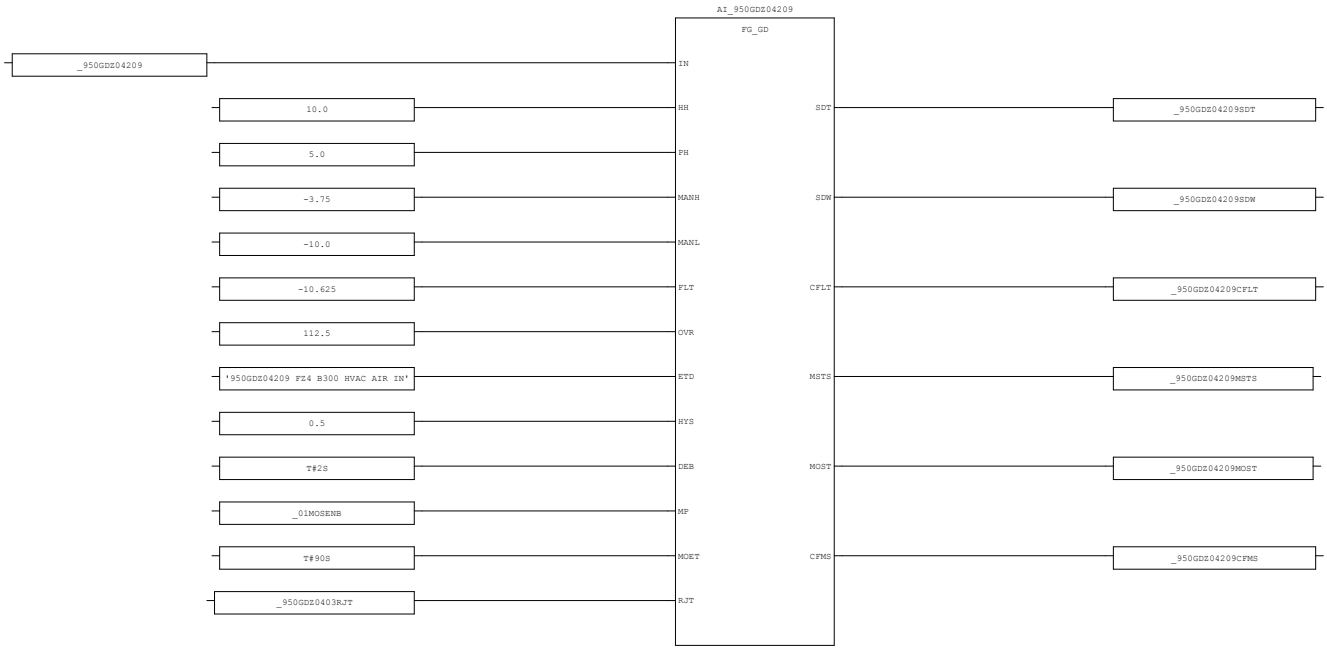

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FG_GD
_950GDZ04203
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HH
5.0
PH
-3.75
MANH
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MANL
-10.625
FLT
112.5
OVR
'950GDZ04203 FZ4 B400 HVAC AIR IN'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0401RJT
RJT
SDT
_950GDZ04203SDT
SDW
_950GDZ04203SDW
CFLT
_950GDZ04203CFLT
MSTS
_950GDZ04203MSTS
MOST
_950GDZ04203MOST
CFMS
_950GDZ04203CFMS

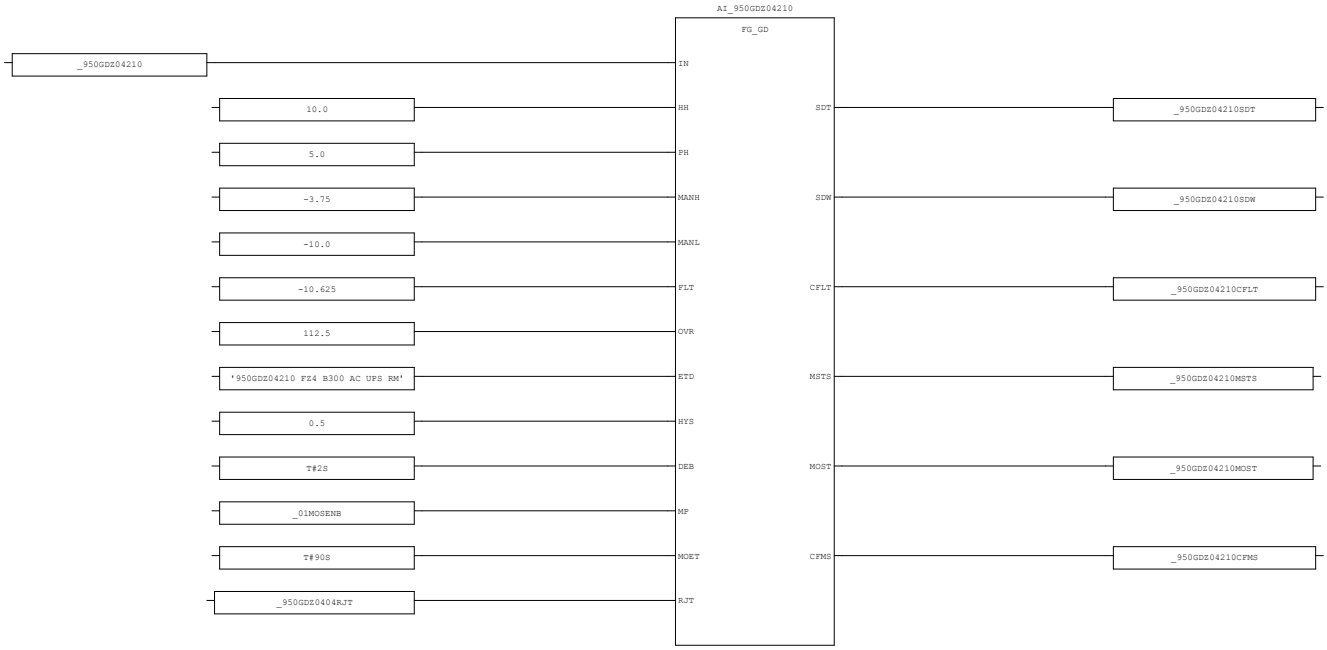

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FG_GD
_950GDZ04204
IN
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HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04204 FZ4 H2D B400 I&T E.R'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0402RJT
RJT
SDT
_950GDZ04204SDT
SDW
_950GDZ04204SDW
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MSTS
_950GDZ04204MSTS
MOST
_950GDZ04204MOST
CFMS
_950GDZ04204CFMS

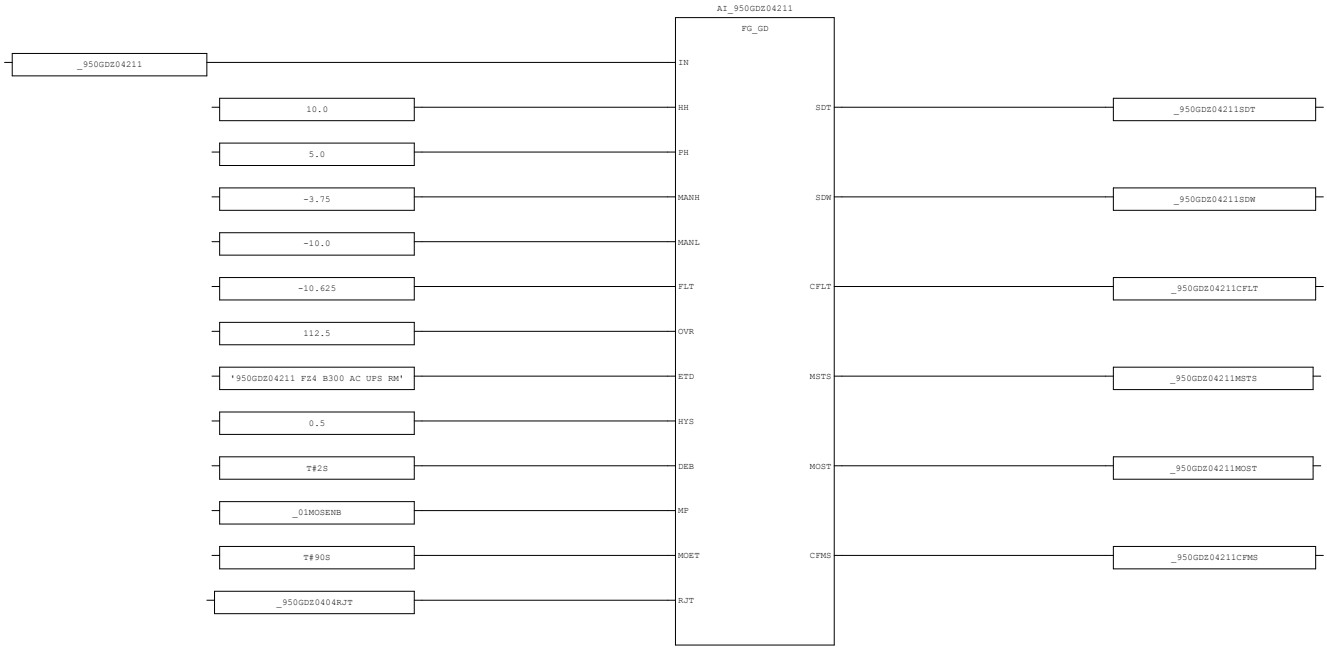

AI_950GDZ04205
FG_GD
_950GDZ04205
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04205 FZ4 H2D B400 I&T E.R'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0402RJT
RJT
SDT
_950GDZ04205SDT
SDW
_950GDZ04205SDW
CFLT
_950GDZ04205CFLT
MSTS
_950GDZ04205MSTS
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_950GDZ04205MOST
CFMS
_950GDZ04205CFMS

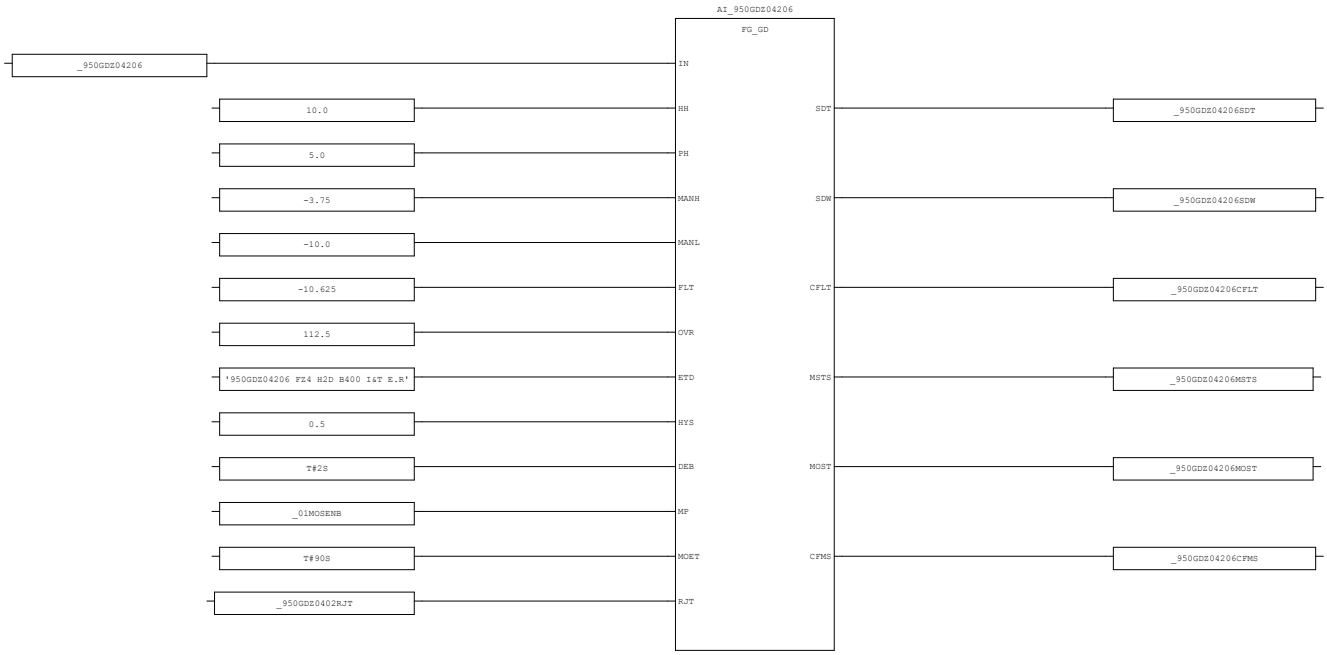
3.12. AI_GD_05 (* Analog Input Processing-Gas Detector *)

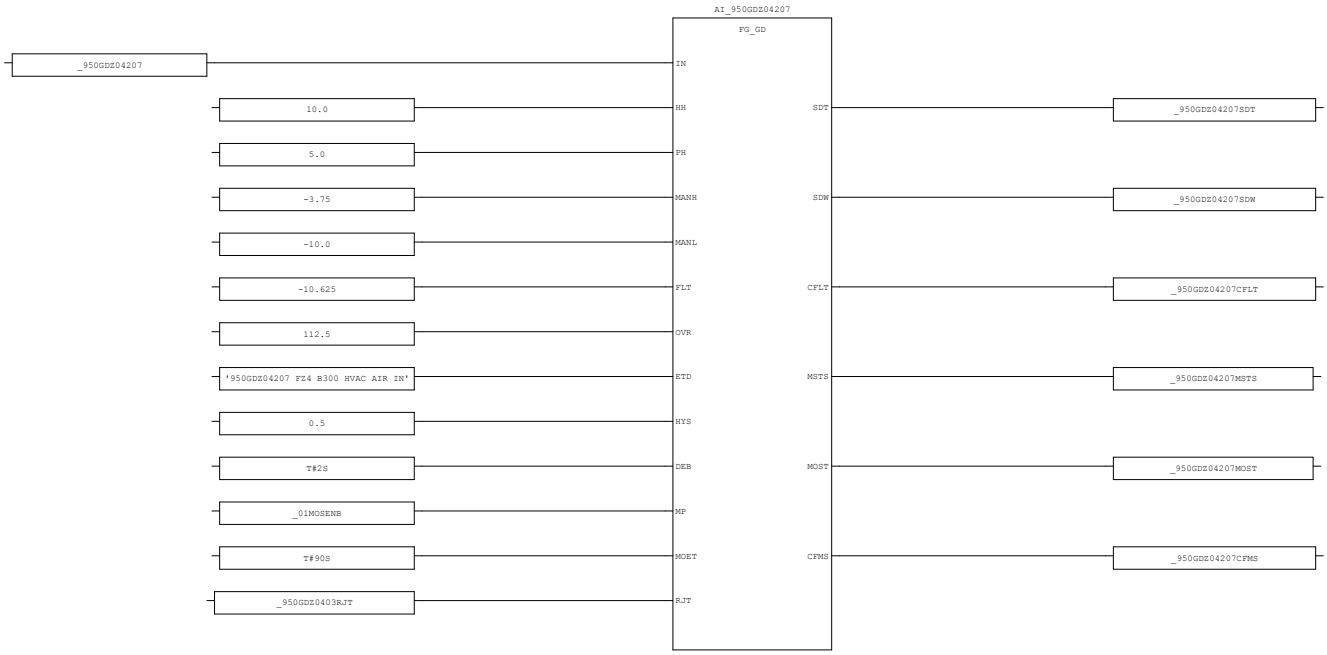




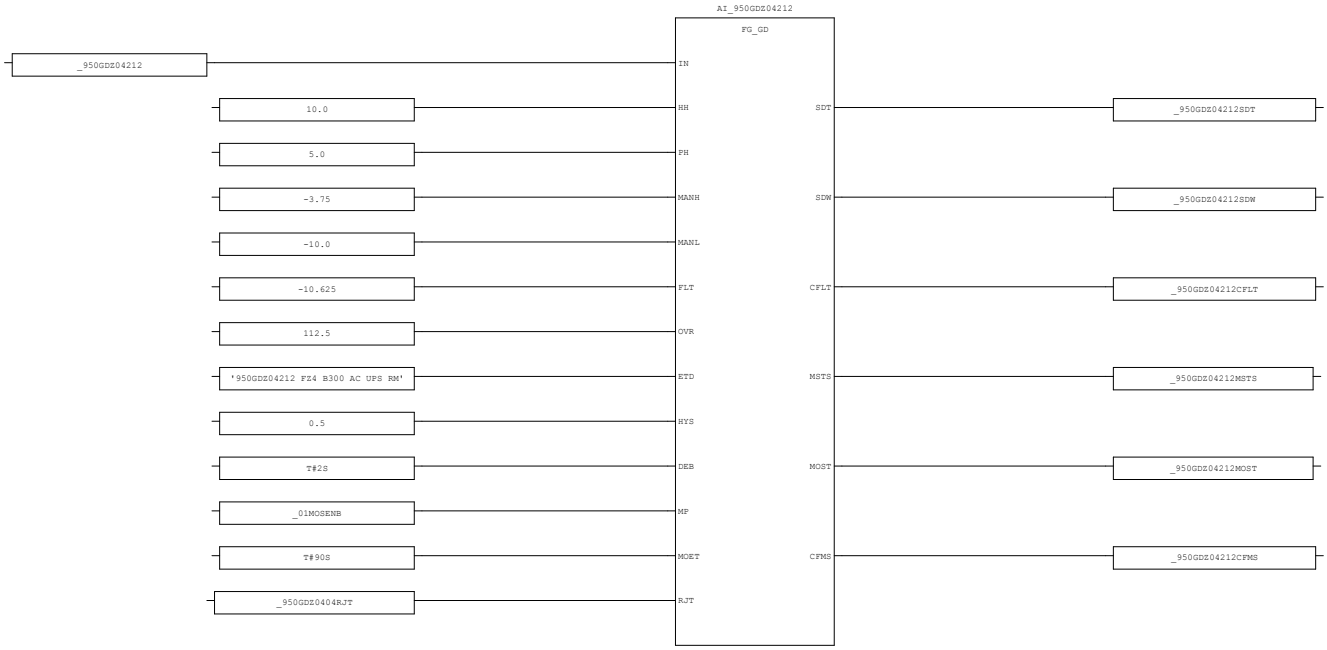

AI_950GDZ04210
FG_GD
_950GDZ04210
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04210 FZ4 B300 AC UPS RM'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0404RJT
RJT
SDT
_950GDZ04210SDT
SDW
_950GDZ04210SDW
CFLT
_950GDZ04210CFLT
MSTS
_950GDZ04210MSTS
MOST
_950GDZ04210MOST
CFMS
_950GDZ04210CFMS

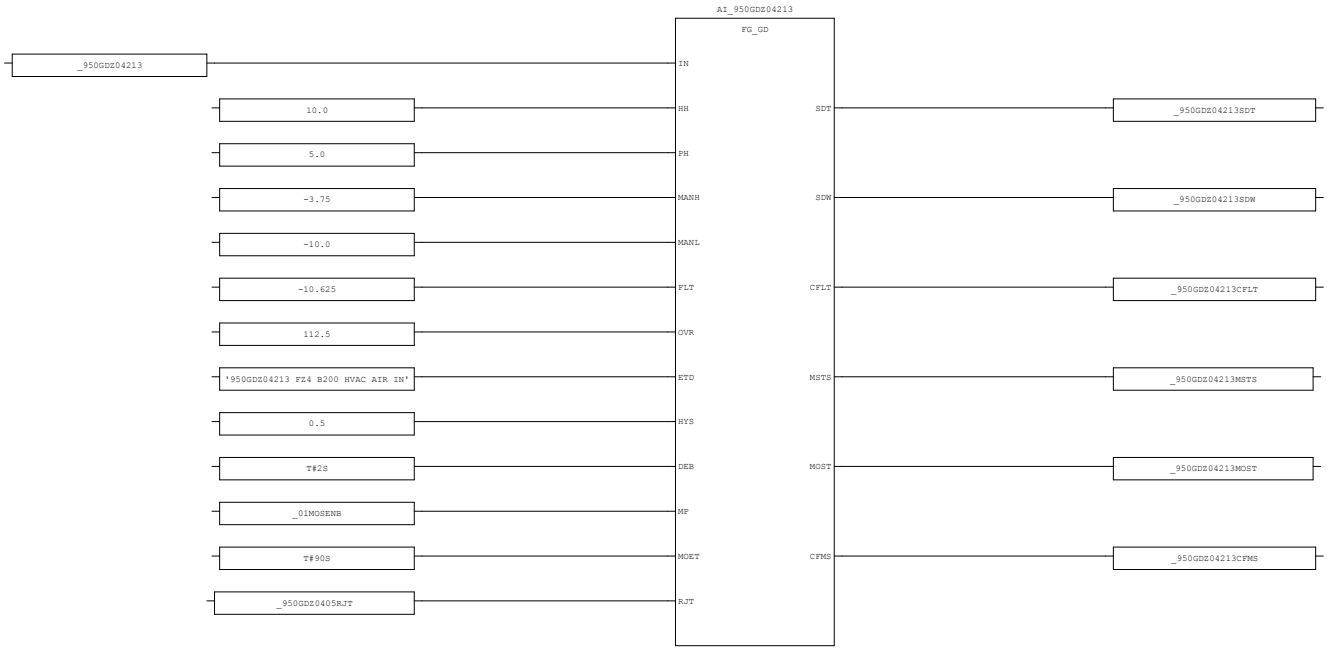

AI_950GDZ04211
FG_GD
_950GDZ04211
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04211 FZ4 B300 AC UPS RM'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0404RJT
RJT
SDT
_950GDZ04211SDT
SDW
_950GDZ04211SDW
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CFMS
_950GDZ04211CFMS

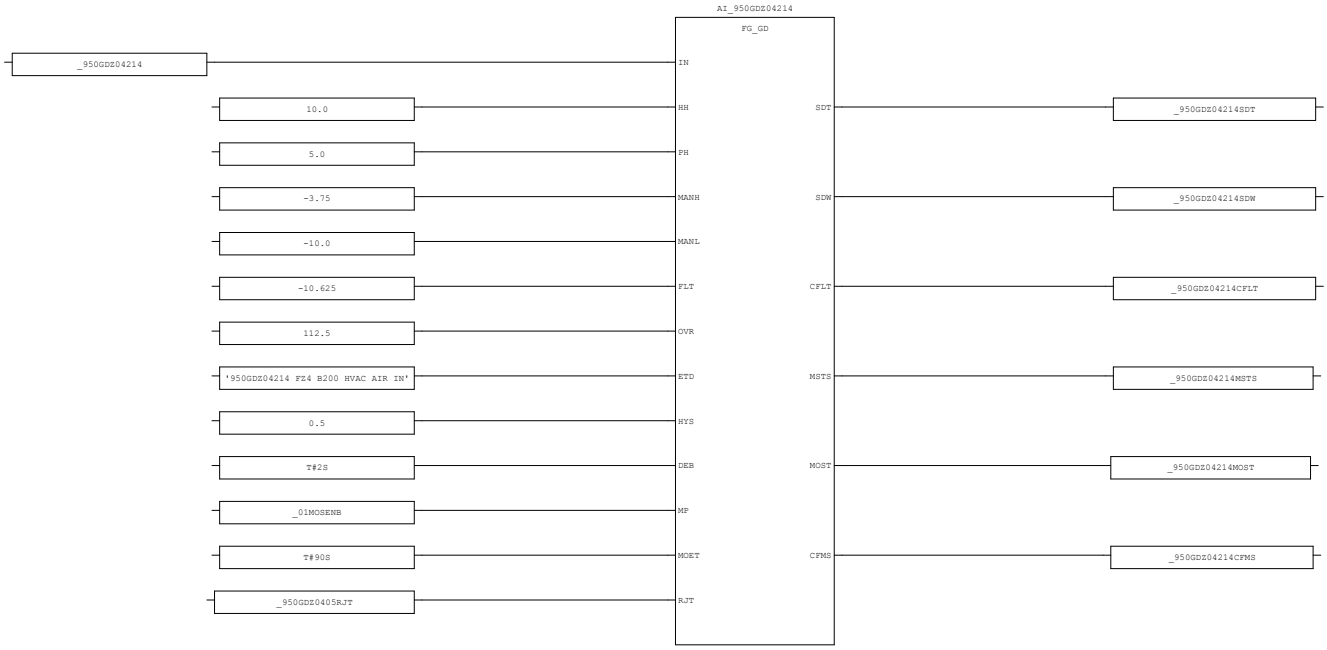

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FG_GD
_950GDZ04206
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5.0
-3.75
-10.0
-10.625
112.5
'950GDZ04206 FZ4 H2D B400 I&T E.R'
0.5
T#2S
_01MOSENB
T#90S
_950GDZ0402RJT
IN
HH
PH
MANH
MANL
FLT
OVR
ETD
HYS
DEB
MP
MOET
RJT
SDT
SDW
CFLT
MSTS
MOST
CFMS
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_950GDZ04206CFLT
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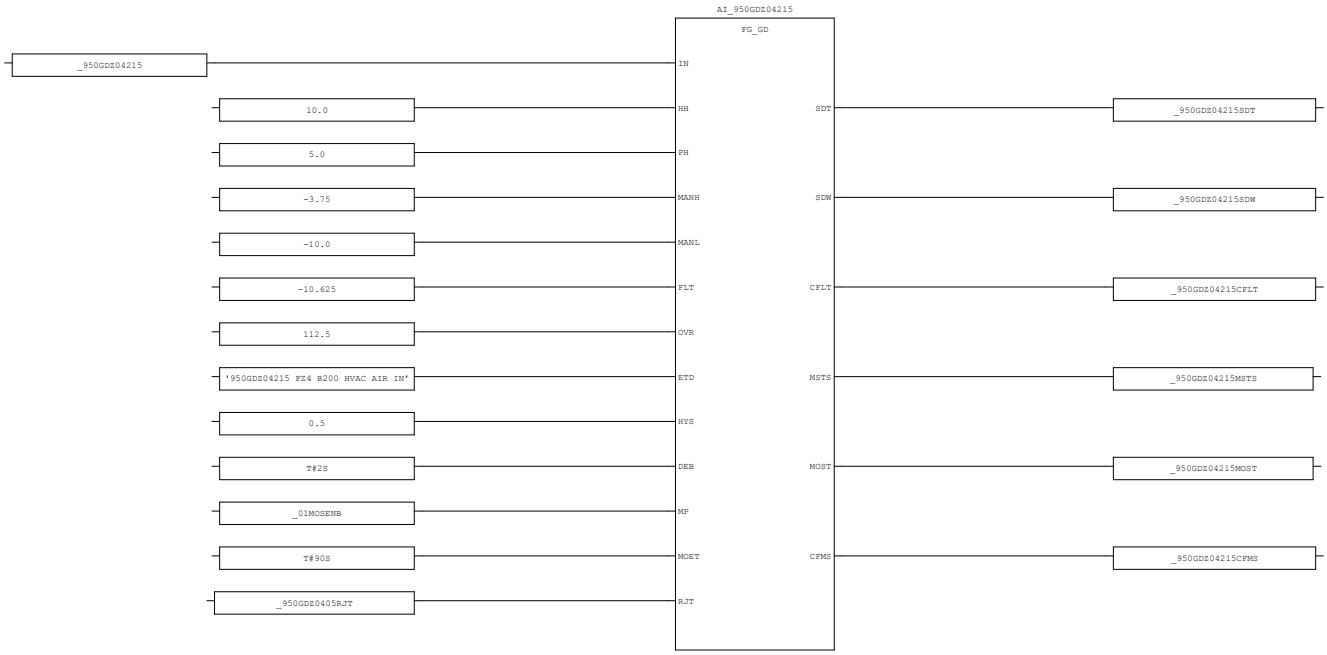

AI_950GDZ04207
FG_GD
_950GDZ04207
10.0
5.0
-3.75
-10.0
-10.625
112.5
'950GDZ04207 FZ4 B300 HVAC AIR IN'
0.5
T#2S
_01MOSENB
T#90S
_950GDZ0403RJT
IN
HH
PH
MANH
MANL
FLT
OVR
ETD
HYS
DEB
MP
MOET
RJT
SDT
SDW
CFLT
MSTS
MOST
CFMS
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_950GDZ04207SDW
_950GDZ04207CFLT
_950GDZ04207MSTS
_950GDZ04207MOST
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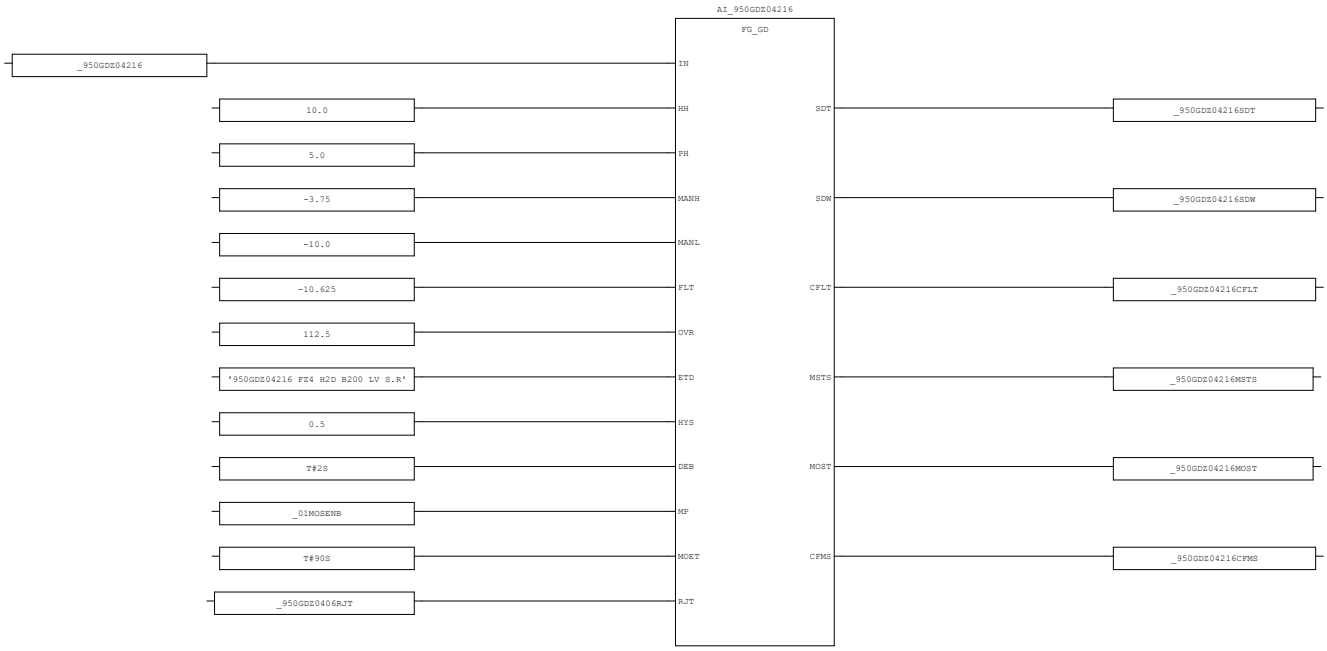
3.13. AI_GD_06 (* Analog Input Processing-Gas Detector *)

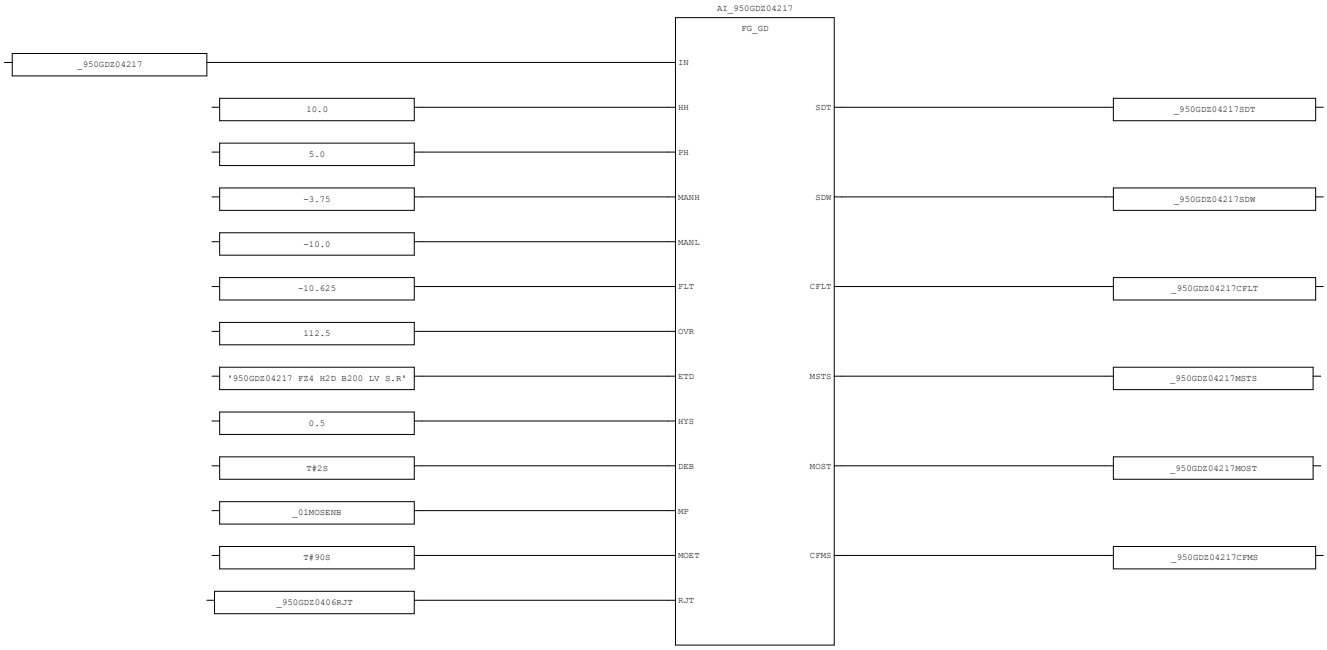




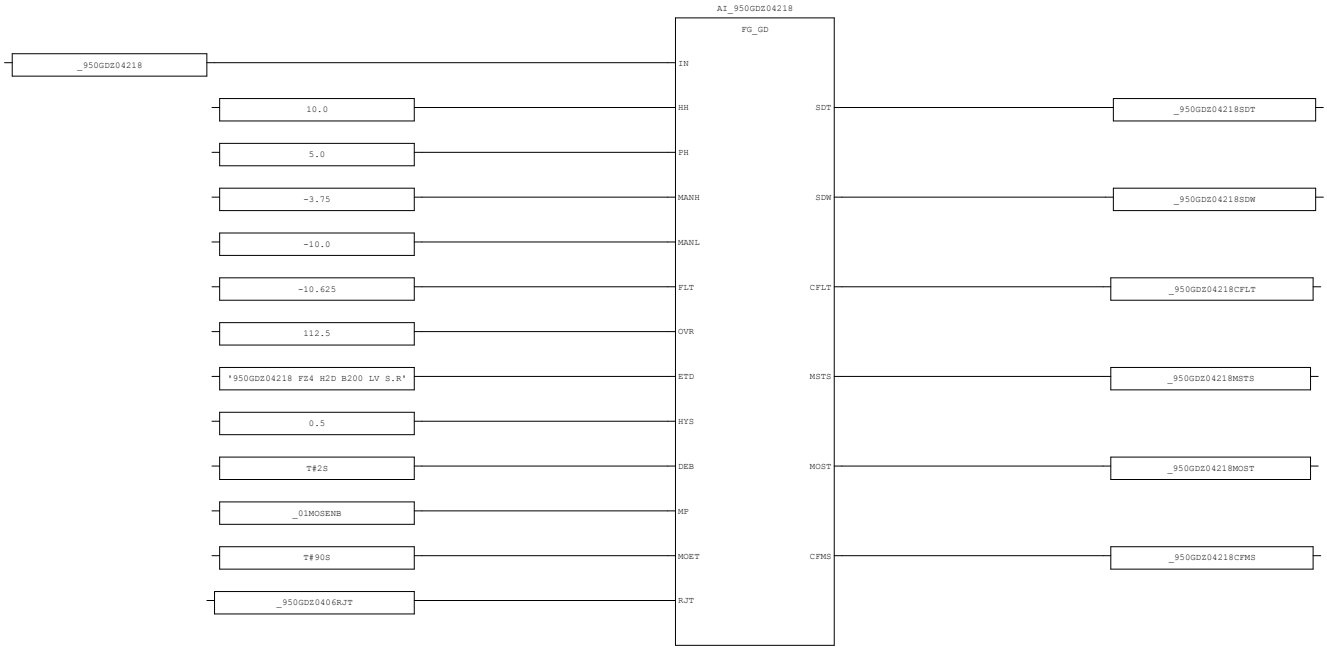

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_950GDZ04214
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HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04214 FZ4 B200 HVAC AIR IN'
ETD
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HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0405RJT
RJT
SDT
_950GDZ04214SDT
SDW
_950GDZ04214SDW
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MSTS
_950GDZ04214MSTS
MOST
_950GDZ04214MOST
CFMS
_950GDZ04214CFMS

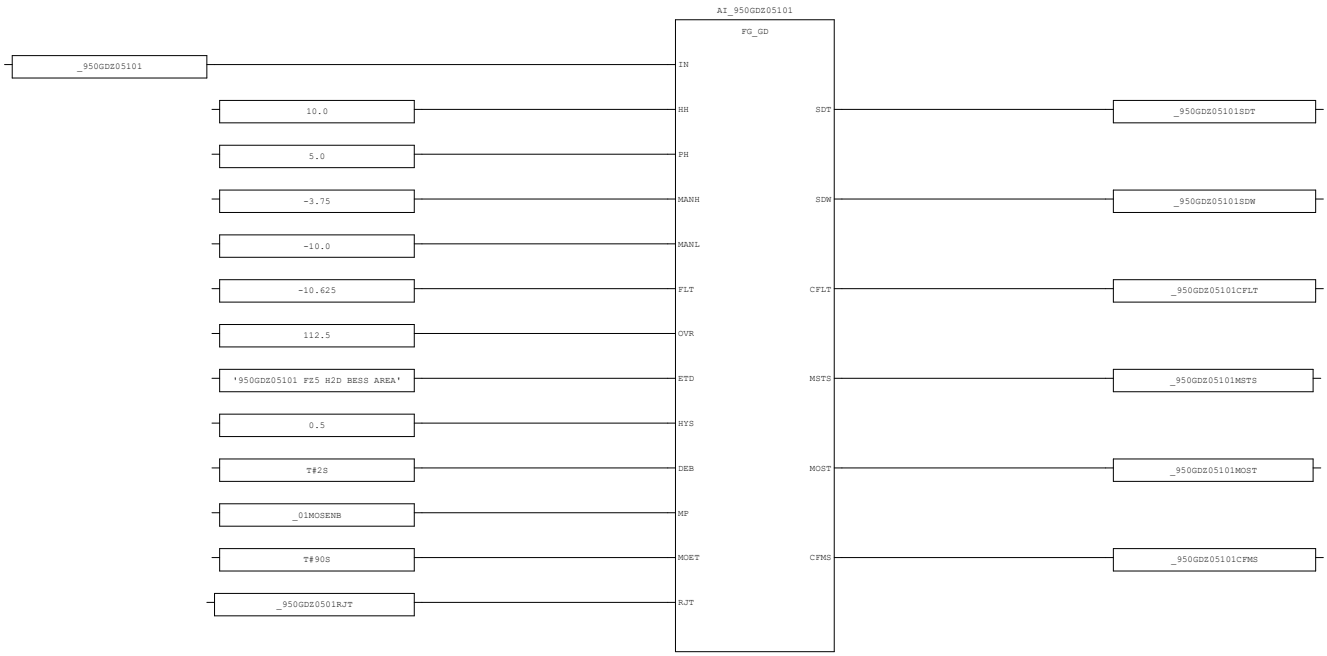

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_950GDZ04215
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FH
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MANH
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MANL
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FLT
112.5
OVR
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ETD
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HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0405RJT
RJT
SDT
_950GDZ04215SDT
SDW
_950GDZ04215SDW
CFLT
_950GDZ04215CFLT
MSTS
_950GDZ04215MSTS
MOST
_950GDZ04215MOST
CFMS
_950GDZ04215CFMS

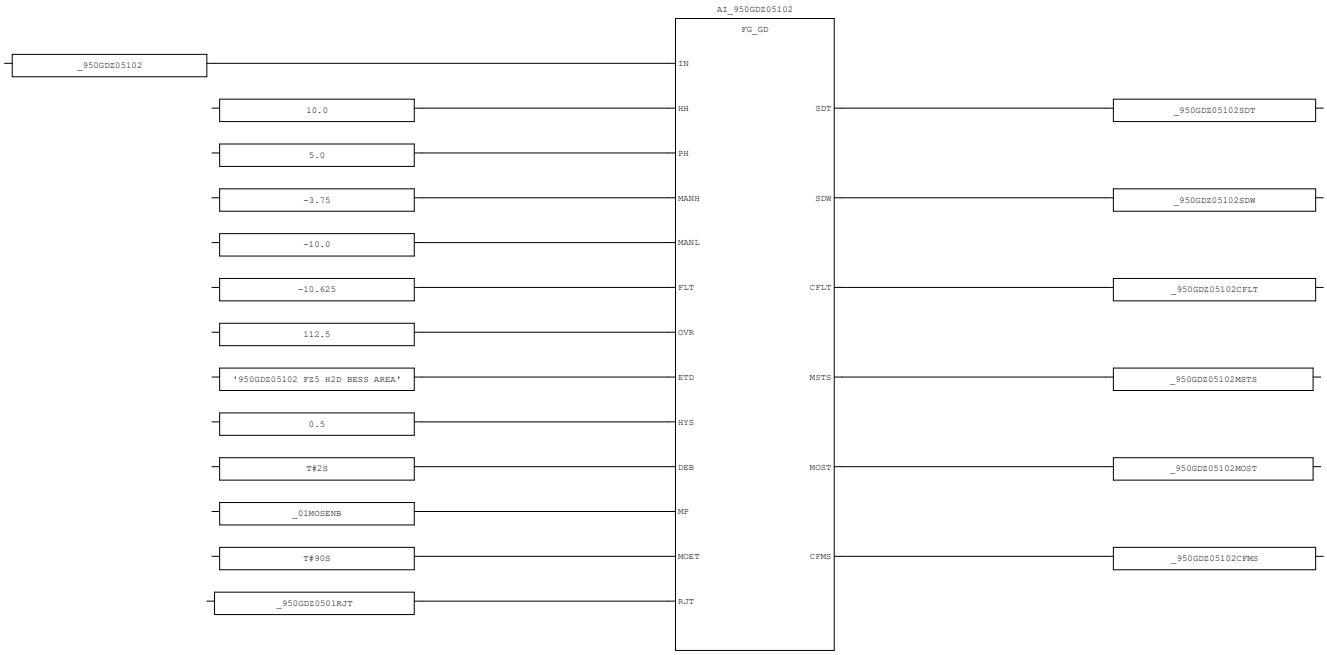

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_950GDZ04216
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PH
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MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04216 FZ4 H2D B200 LV S.R'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0406RJT
RJT
SDT
_950GDZ04216SDT
SDW
_950GDZ04216SDW
CFLT
_950GDZ04216CFLT
MSTS
_950GDZ04216MSTS
MOST
_950GDZ04216MOST
CFMS
_950GDZ04216CFMS

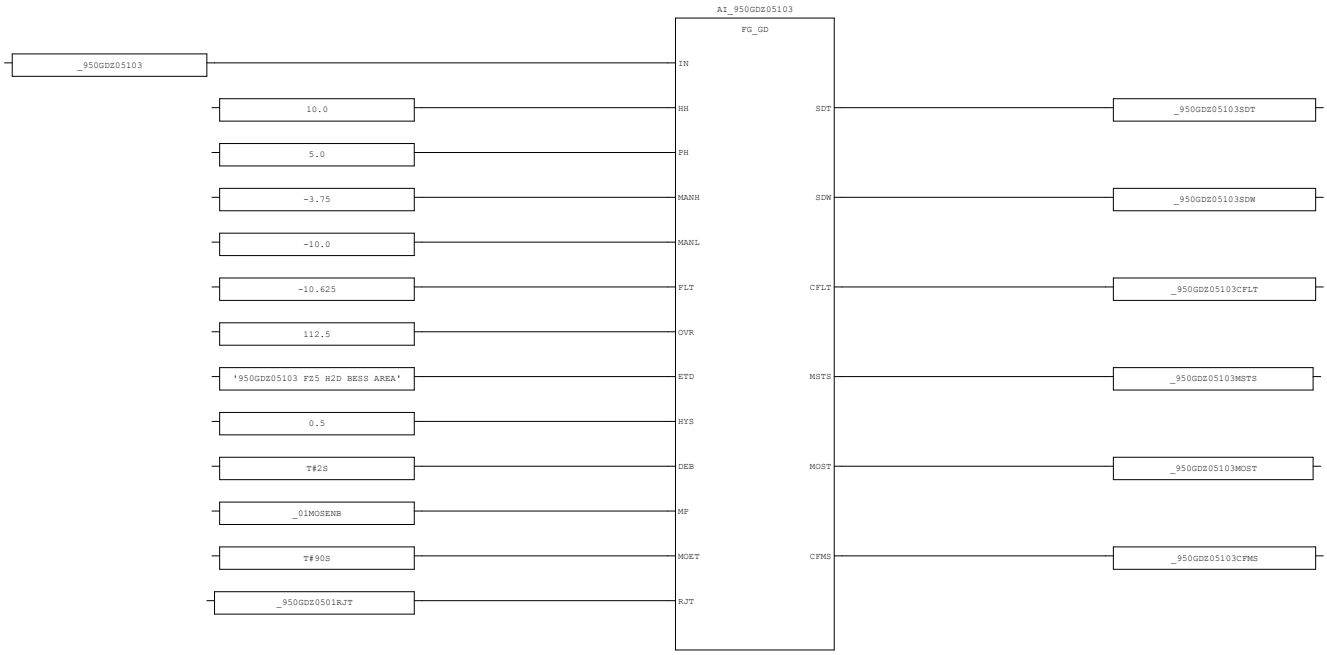

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PH
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MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04217 FZ4 H2D B200 LV S.R'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0406RJT
RJT
SDT
_950GDZ04217SDT
SDW
_950GDZ04217SDW
CFLT
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MSTS
_950GDZ04217MSTS
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_950GDZ04217MOST
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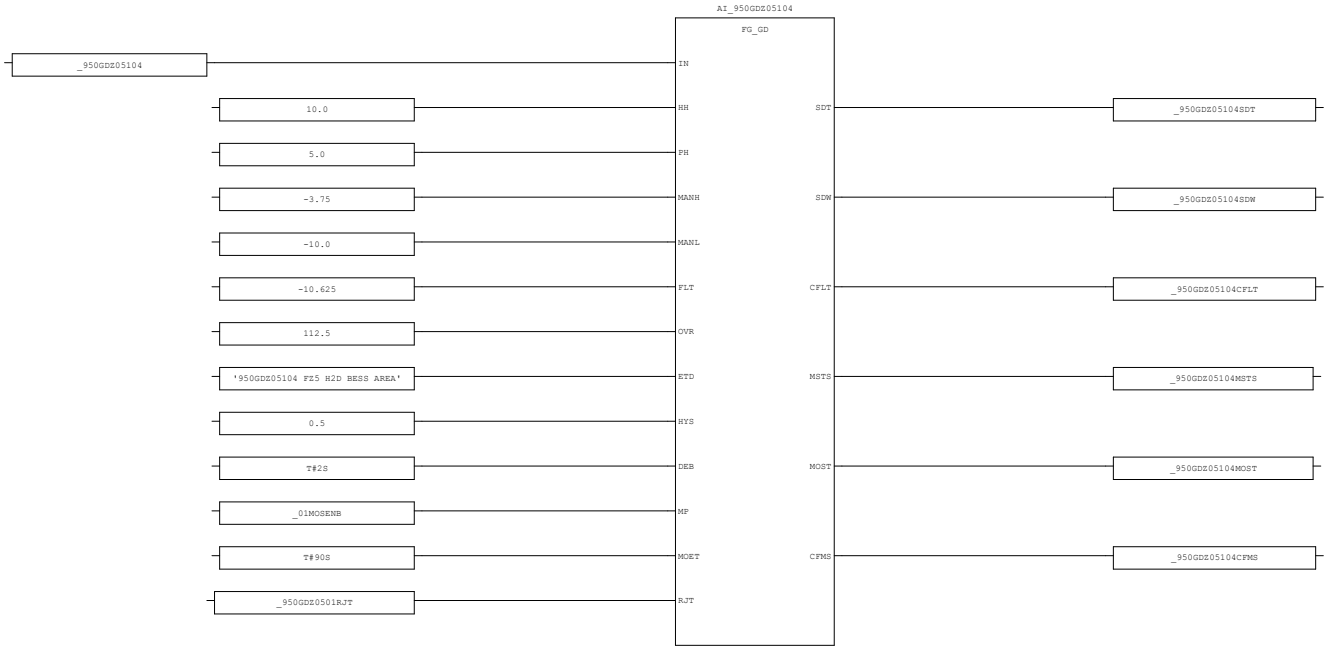
3.14. AI_GD_07 (* Analog Input Processing-Gas Detector *)

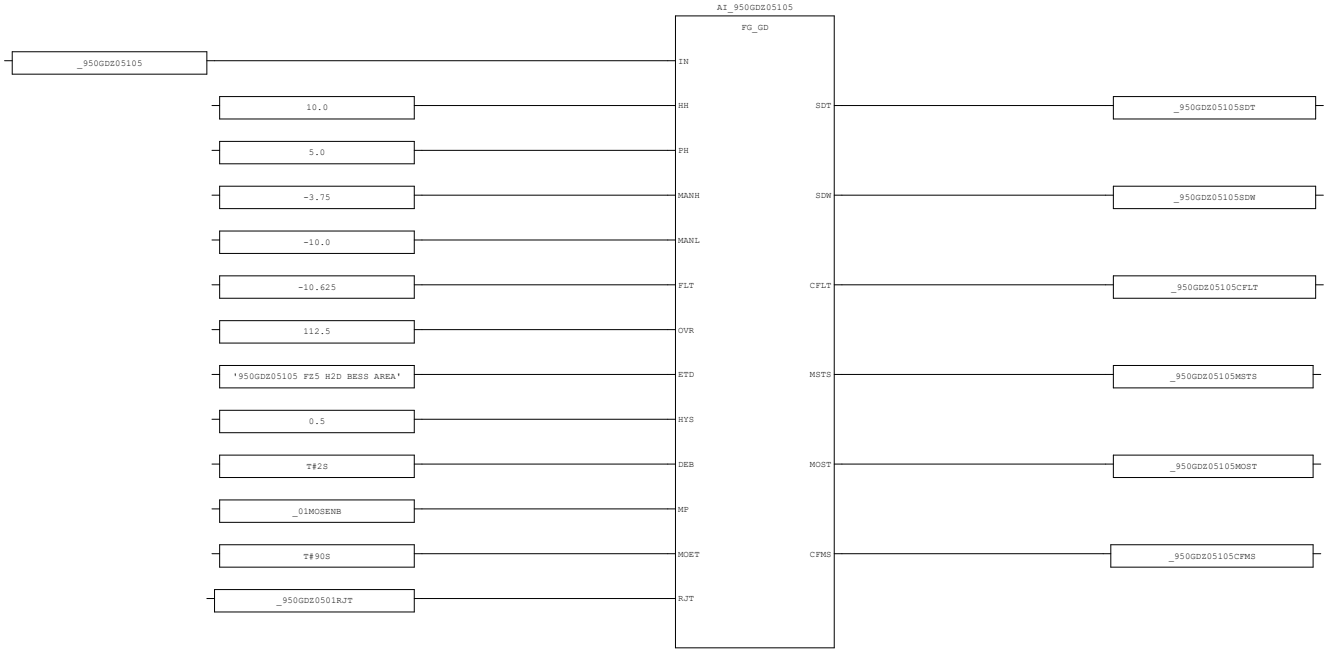




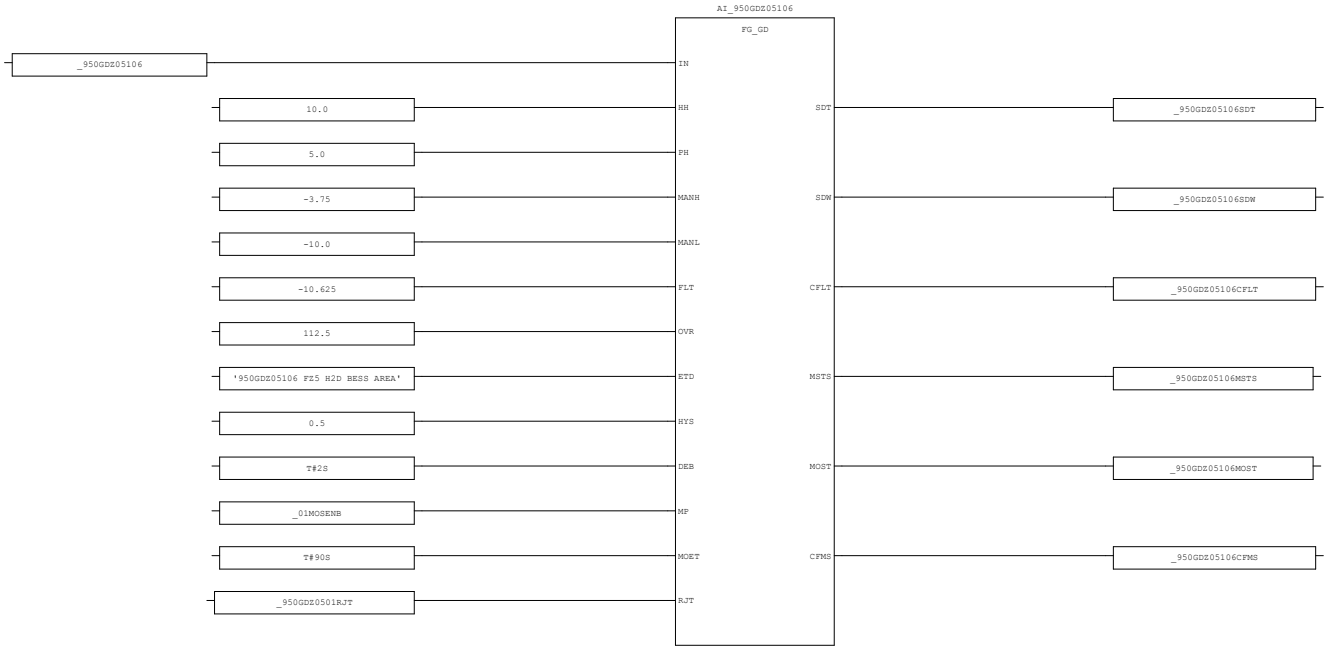

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PH
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MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ05102 FZ5 H2D BESS AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0501RJT
RJT
SDT
_950GDZ05102SDT
SDW
_950GDZ05102SDW
CFLT
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MSTS
_950GDZ05102MSTS
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_950GDZ05102MOST
CFMS
_950GDZ05102CFMS

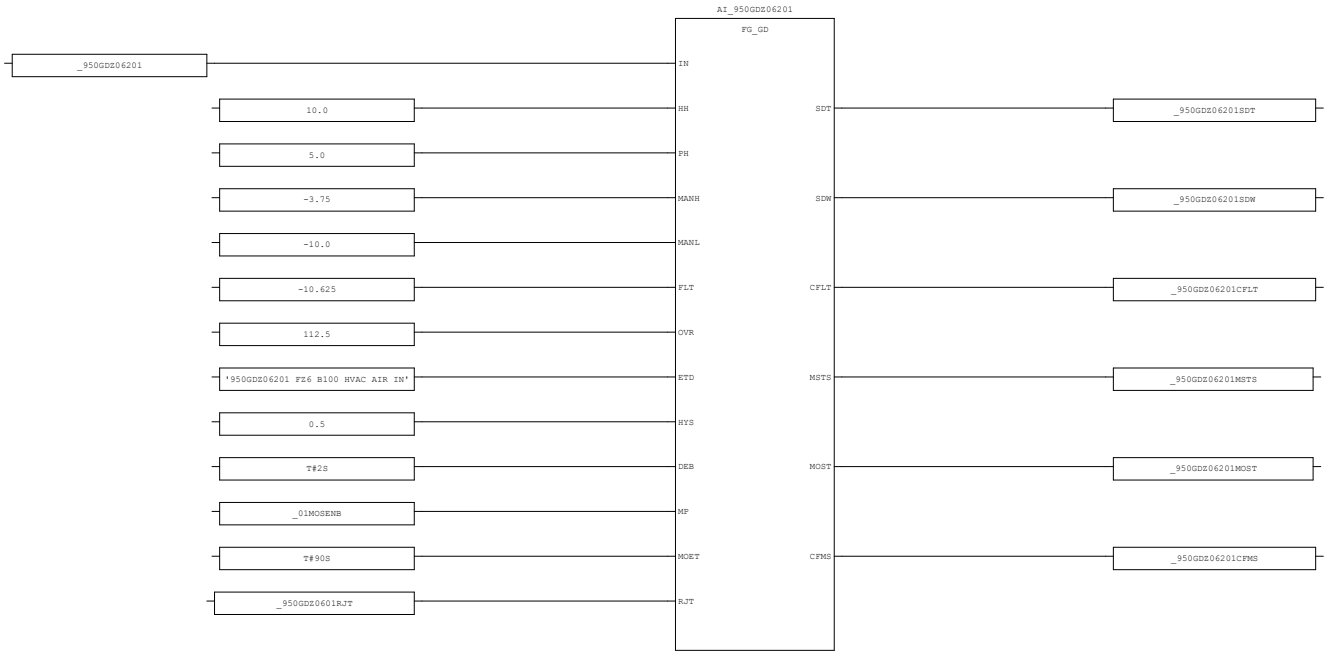

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PH
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MANH
-10.0
MANL
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FLT
112.5
OVR
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ETD
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HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0501RJT
RJT
SDT
_950GDZ05103SDT
SDW
_950GDZ05103SDW
CFLT
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MSTS
_950GDZ05103MSTS
MOST
_950GDZ05103MOST
CFMS
_950GDZ05103CFMS

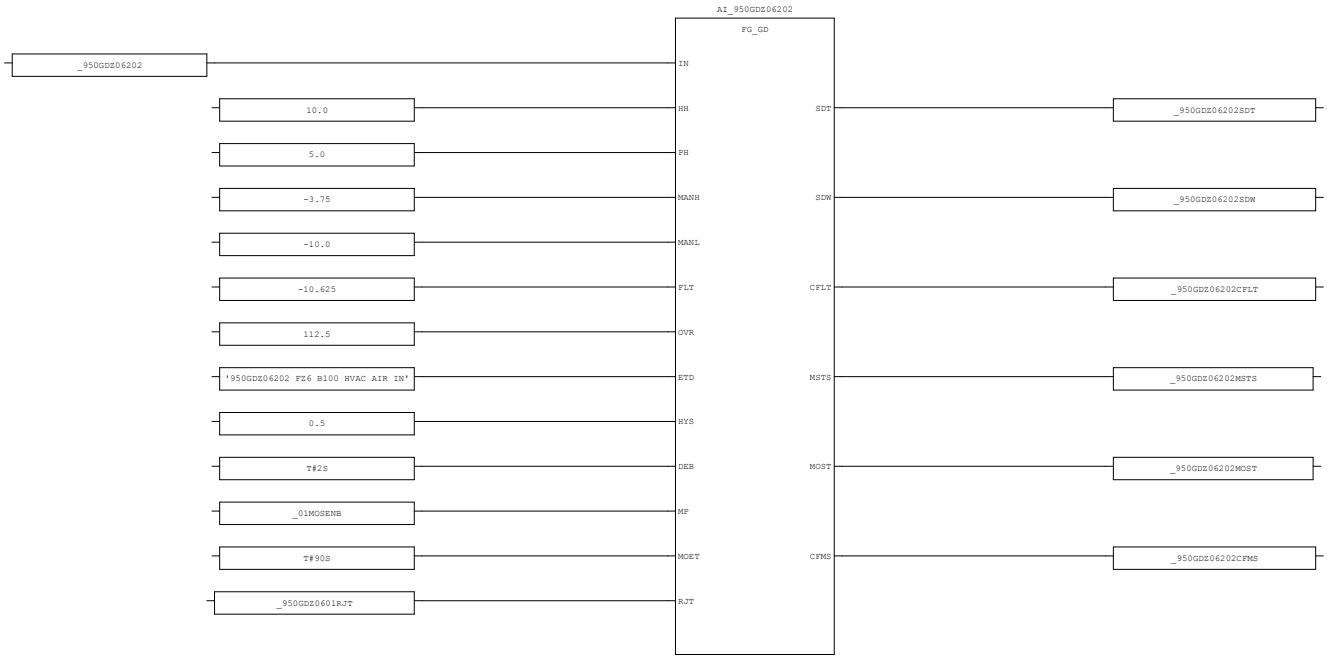

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_950GDZ05104
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PH
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MANH
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MANL
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FLT
112.5
OVR
'950GDZ05104 FZ5 H2D BESS AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0501RJT
RJT
SDT
_950GDZ05104SDT
SDW
_950GDZ05104SDW
CFLT
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MSTS
_950GDZ05104MSTS
MOST
_950GDZ05104MOST
CFMS
_950GDZ05104CFMS

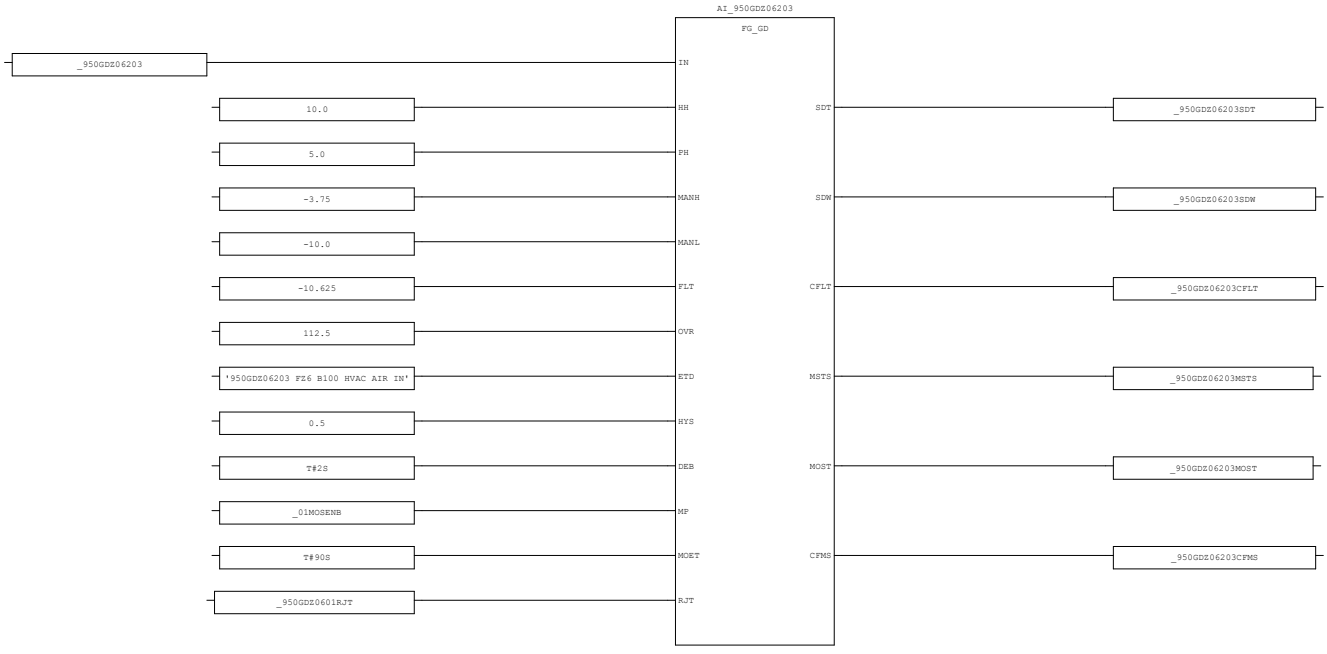

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FG_GD
_950GDZ05105
IN
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5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ05105 FZ5 H2D BESS AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0501RJT
RJT
SDT
_950GDZ05105SDT
SDW
_950GDZ05105SDW
CFLT
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MSTS
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MOST
_950GDZ05105MOST
CFMS
_950GDZ05105CFMS

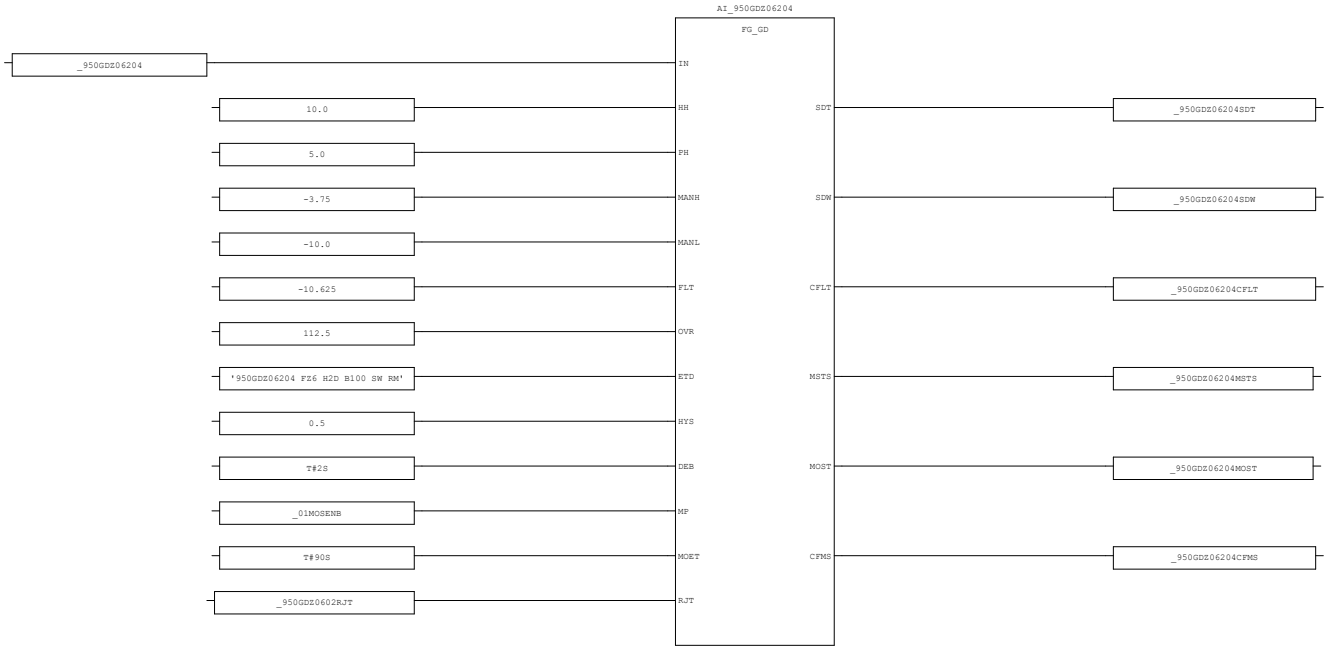
3.15. AI_GD_08 (* Analog Input Processing-Gas Detector *)

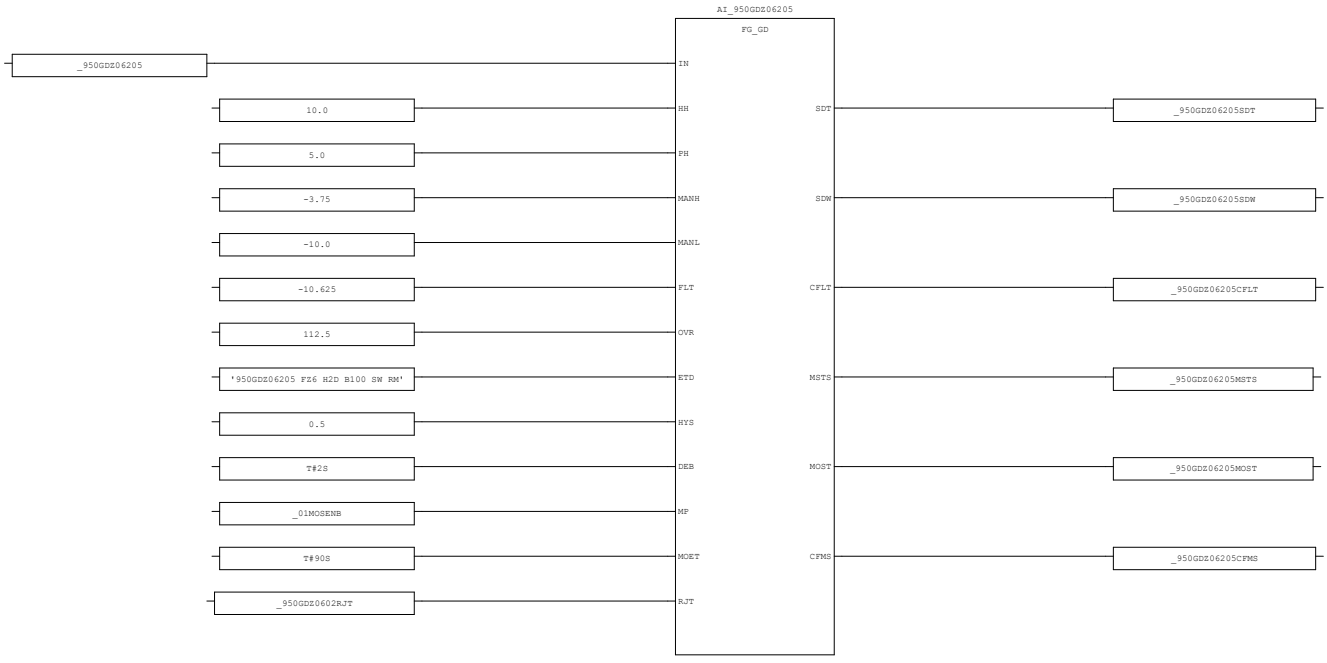


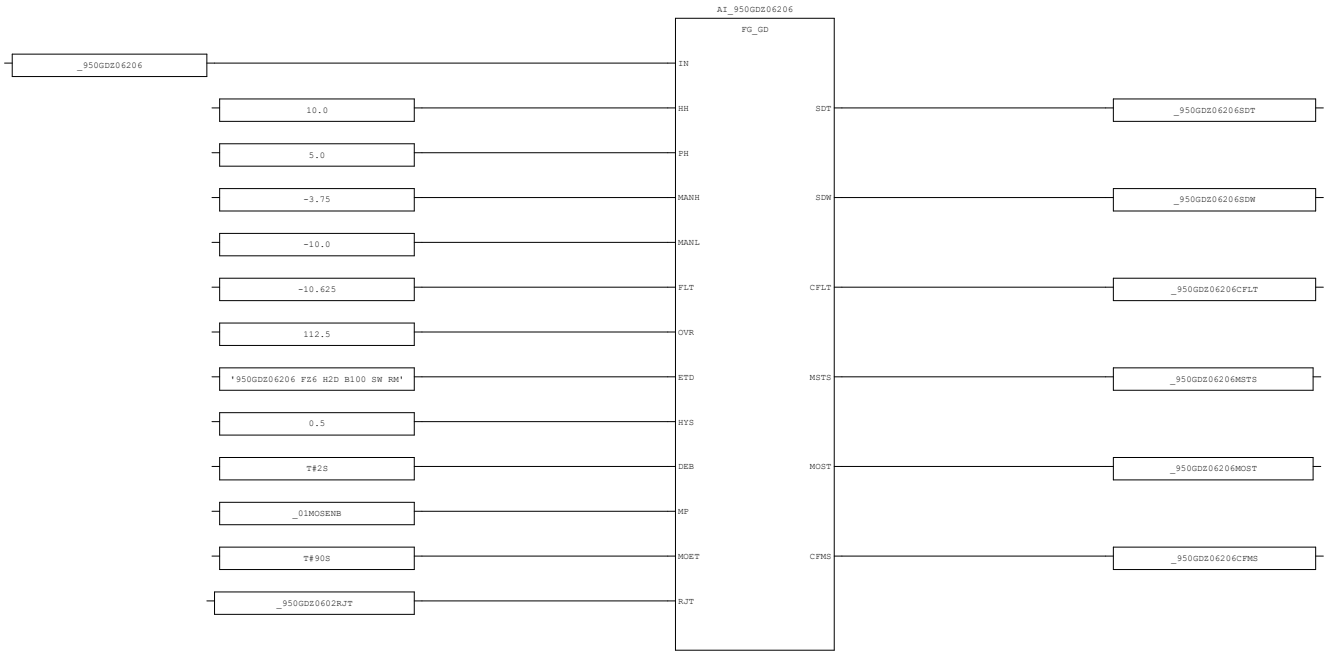



AI_950GDZ06202
FG_GD
_950GDZ06202
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ06202 FZ6 B100 HVAC AIR IN'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0601RJT
RJT
SDT
_950GDZ06202SDT
SDW
_950GDZ06202SDW
CFLT
_950GDZ06202CFLT
MSTS
_950GDZ06202MSTS
MOST
_950GDZ06202MOST
CFMS
_950GDZ06202CFMS


AI_950GDZ06203
FG_GD
_950GDZ06203
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ06203 FZ6 B100 HVAC AIR IN'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0601RJT
RJT
SDT
_950GDZ06203SDT
SDW
_950GDZ06203SDW
CFLT
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MSTS
_950GDZ06203MSTS
MOST
_950GDZ06203MOST
CFMS
_950GDZ06203CFMS

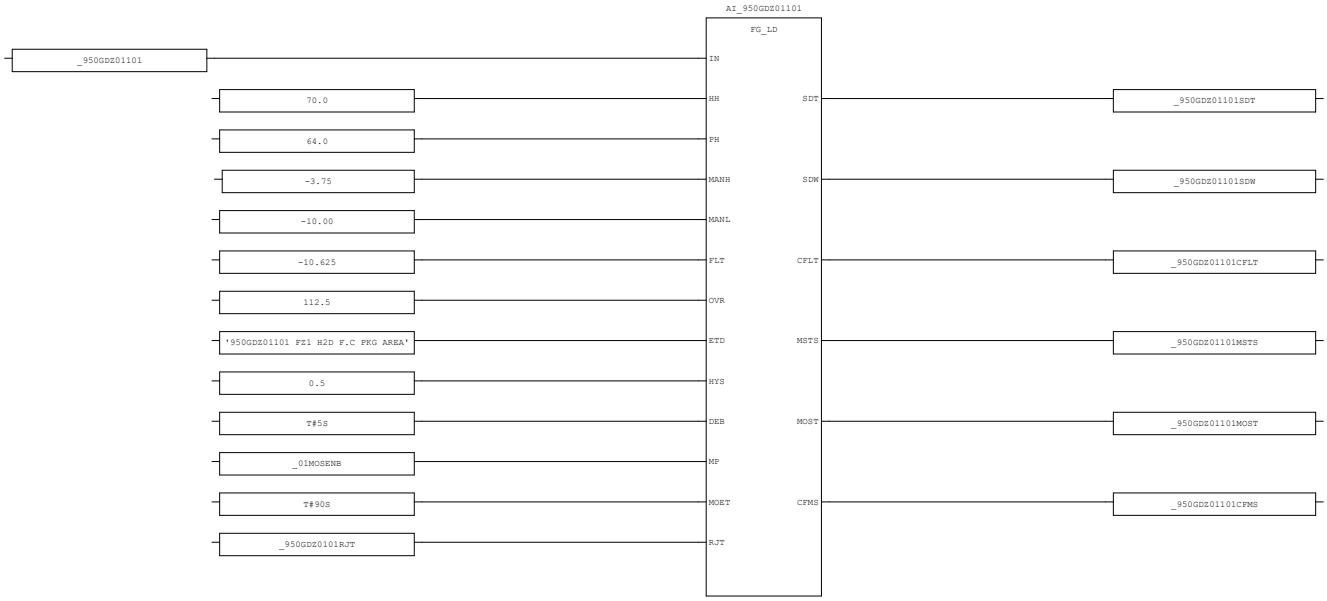

AI_950GDZ06204
FG_GD
_950GDZ06204
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ06204 FZ6 H2D B100 SW RM'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0602RJT
RJT
SDT
_950GDZ06204SDT
SDW
_950GDZ06204SDW
CFLT
_950GDZ06204CFLT
MSTS
_950GDZ06204MSTS
MOST
_950GDZ06204MOST
CFMS
_950GDZ06204CFMS

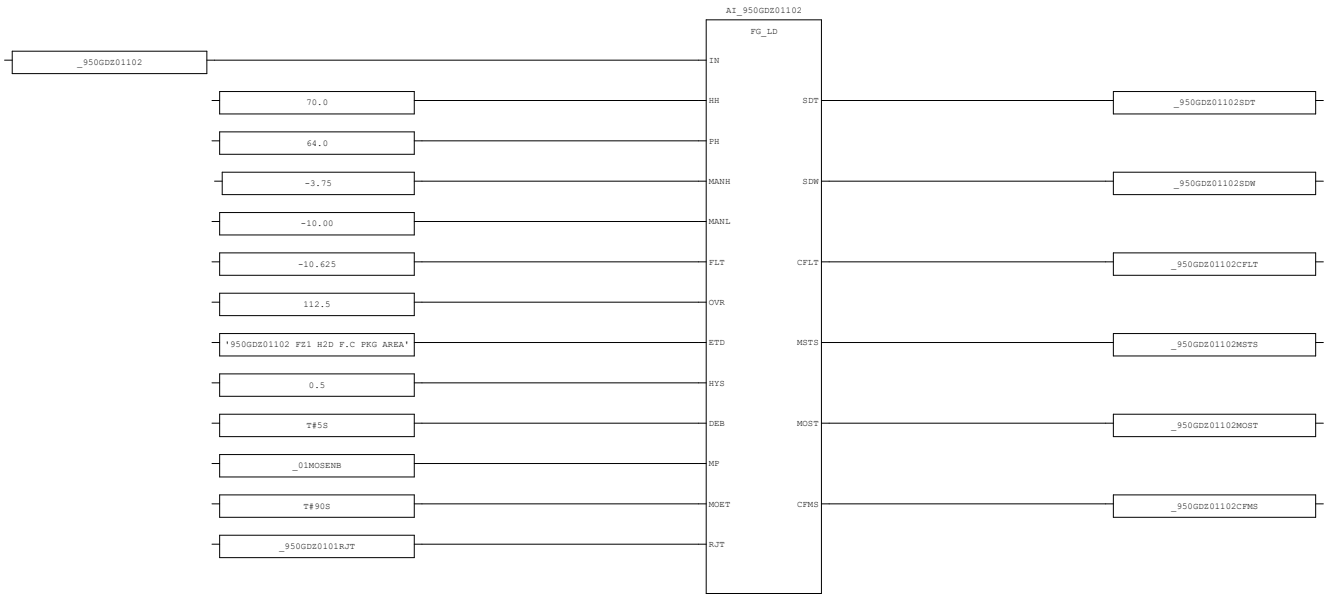

AI_950GDZ06205
FG_GD
_950GDZ06205
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ06205 FZ6 H2D B100 SW RM'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0602RJT
RJT
SDT
_950GDZ06205SDT
SDW
_950GDZ06205SDW
CFLT
_950GDZ06205CFLT
MSTS
_950GDZ06205MSTS
MOST
_950GDZ06205MOST
CFMS
_950GDZ06205CFMS

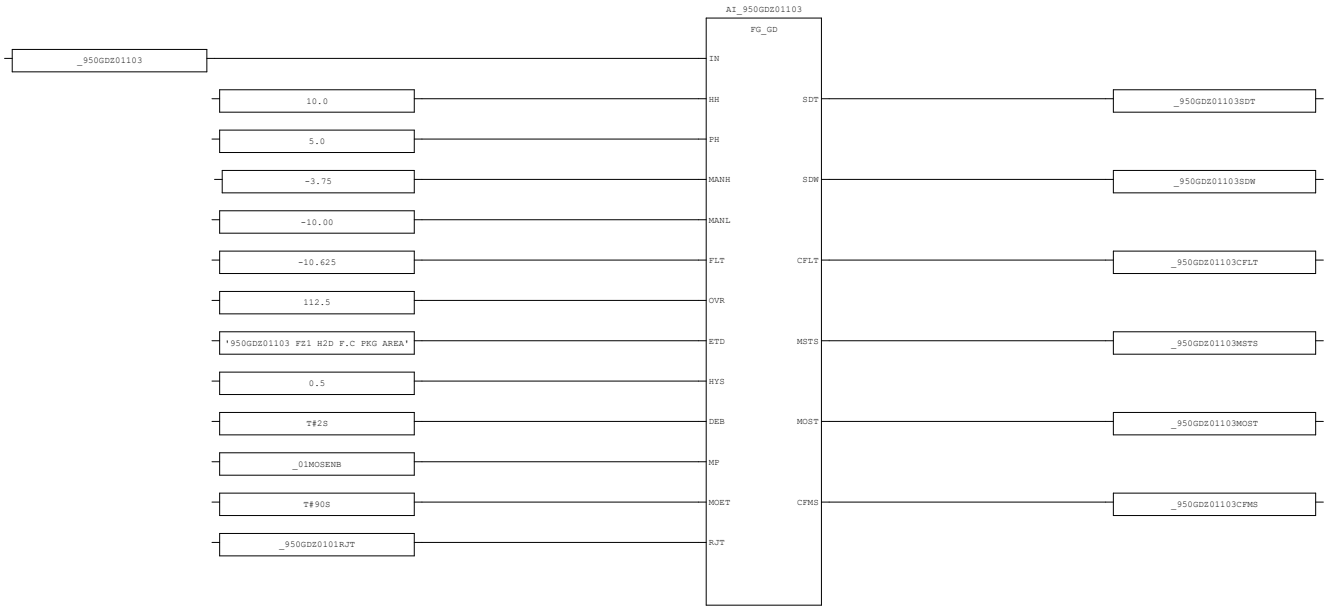


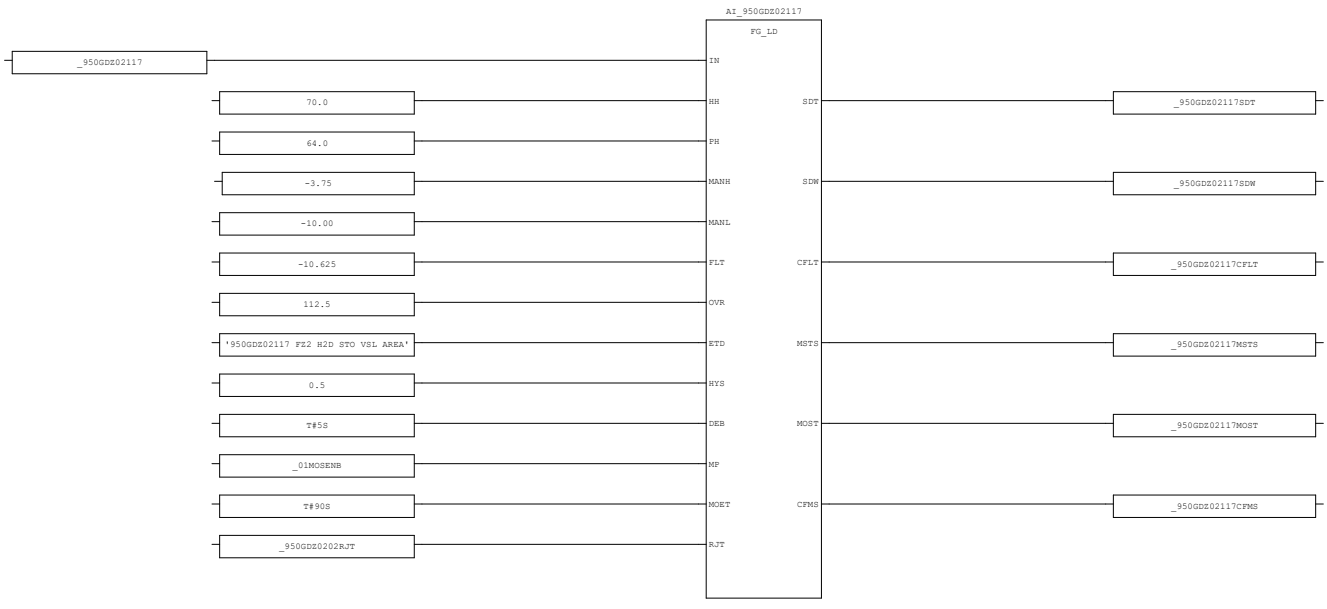
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SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

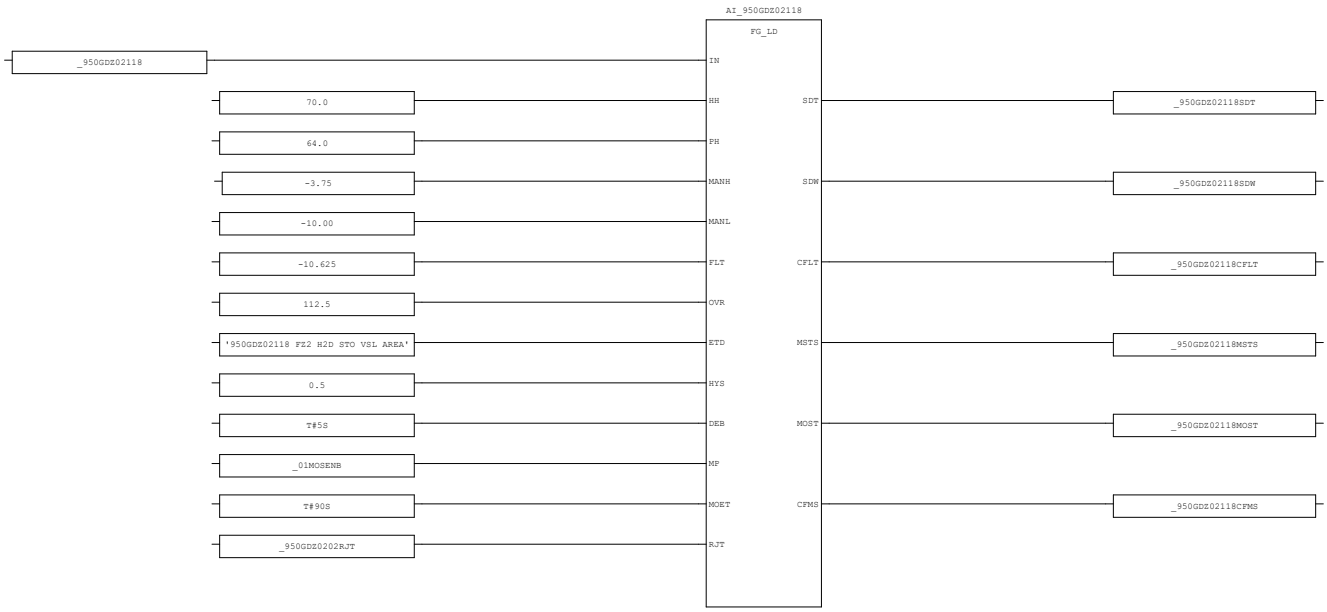
3.16. AI_LD_01 (* Analog Input Processing-Leak & Gas Detector *)

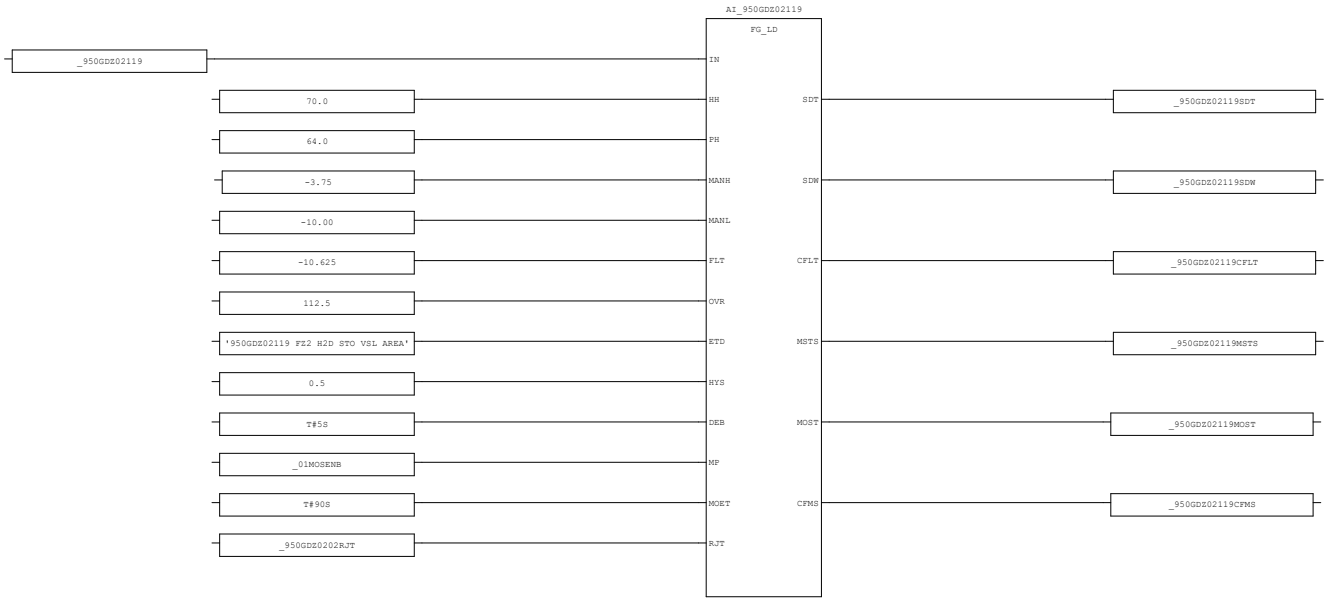




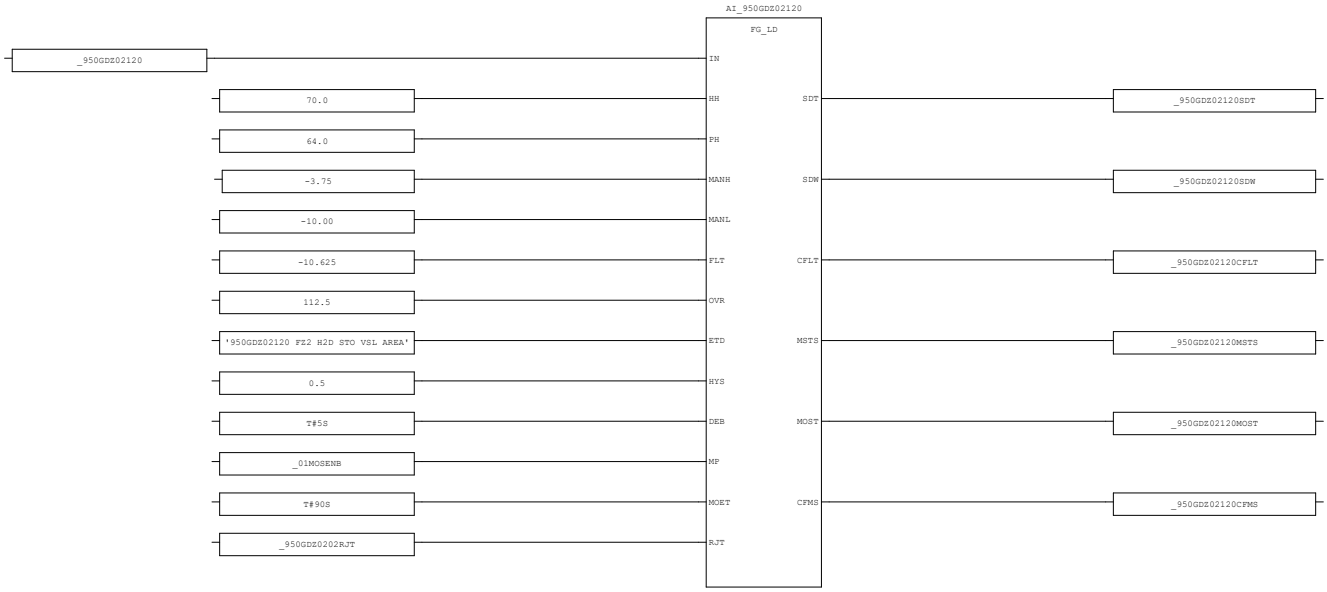

AI_950GDZ01103
FG_GD
_950GDZ01103
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ01103 FZ1 H2D F.C PKG AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0101RJT
RJT
SDT
_950GDZ01103SDT
SDW
_950GDZ01103SDW
CFLT
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MSTS
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MOST
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CFMS
_950GDZ01103CFMS

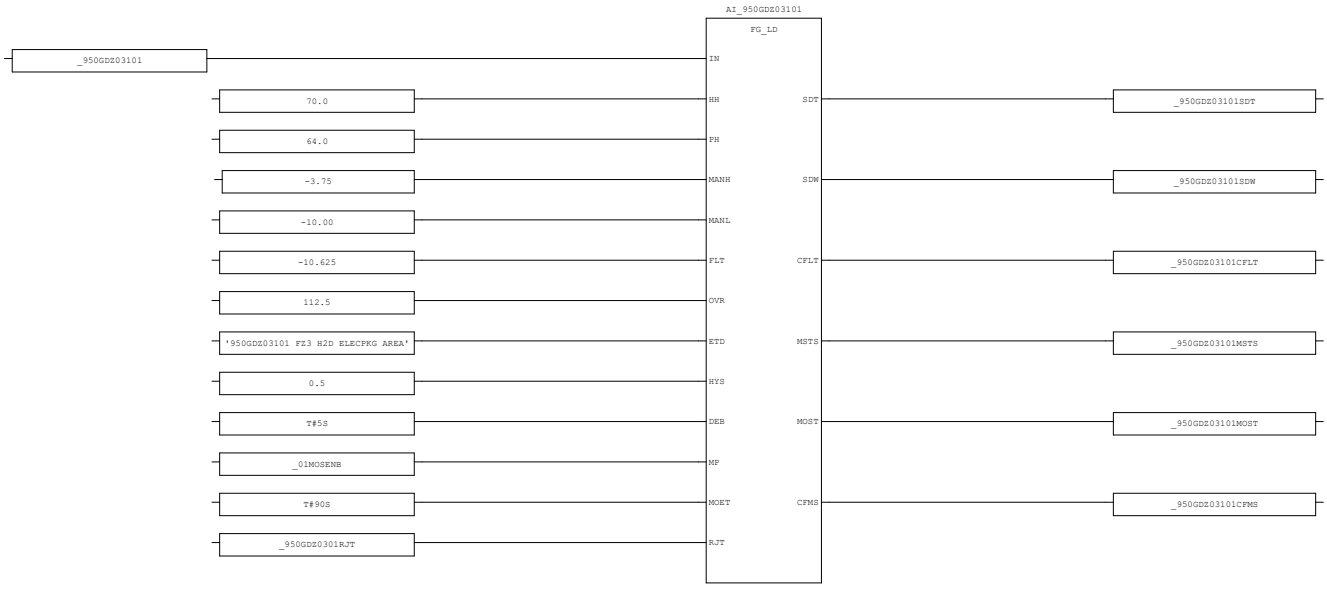

AI_950GDZ02117
FG_LD
_950GDZ02117
IN
70.0
HH
64.0
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ02117 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#5S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
_950GDZ02117SDT
SDW
_950GDZ02117SDW
CFLT
_950GDZ02117CFLT
MSTS
_950GDZ02117MSTS
MOST
_950GDZ02117MOST
CFMS
_950GDZ02117CFMS

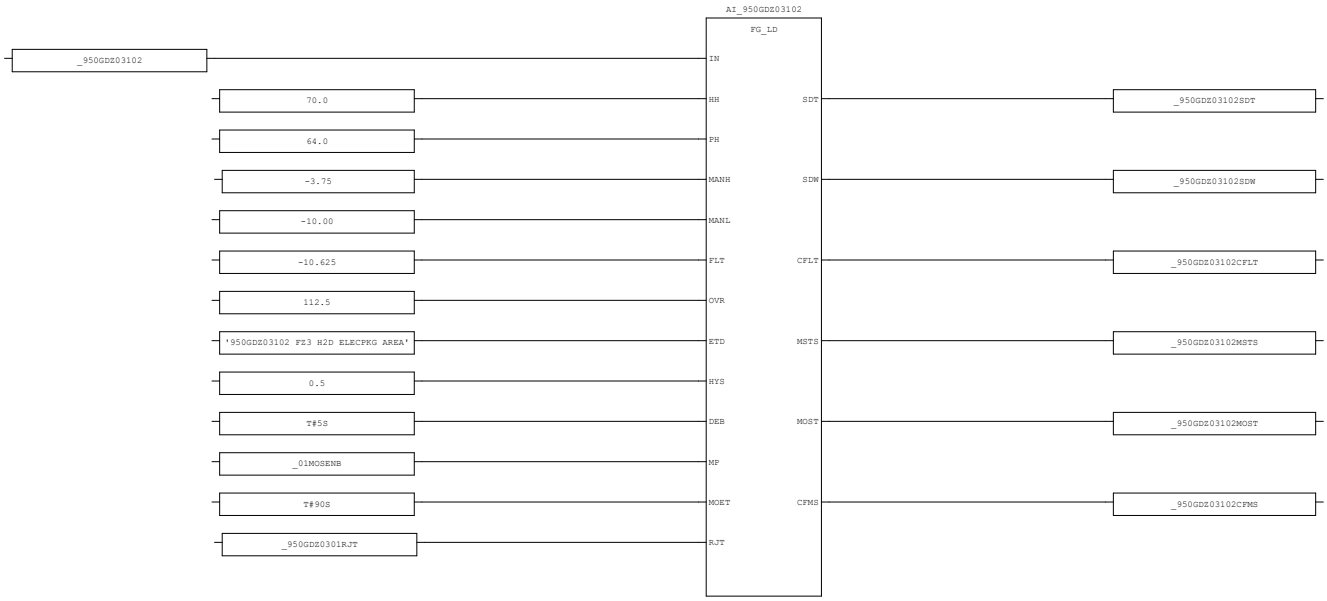

AI_950GDZ02118
FG_LD
_950GDZ02118
IN
70.0
HH
64.0
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ02118 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#5S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
SDW
CFLT
MSTS
MOST
CFMS
_950GDZ02118SDT
_950GDZ02118SDW
_950GDZ02118CFLT
_950GDZ02118MSTS
_950GDZ02118MOST
_950GDZ02118CFMS

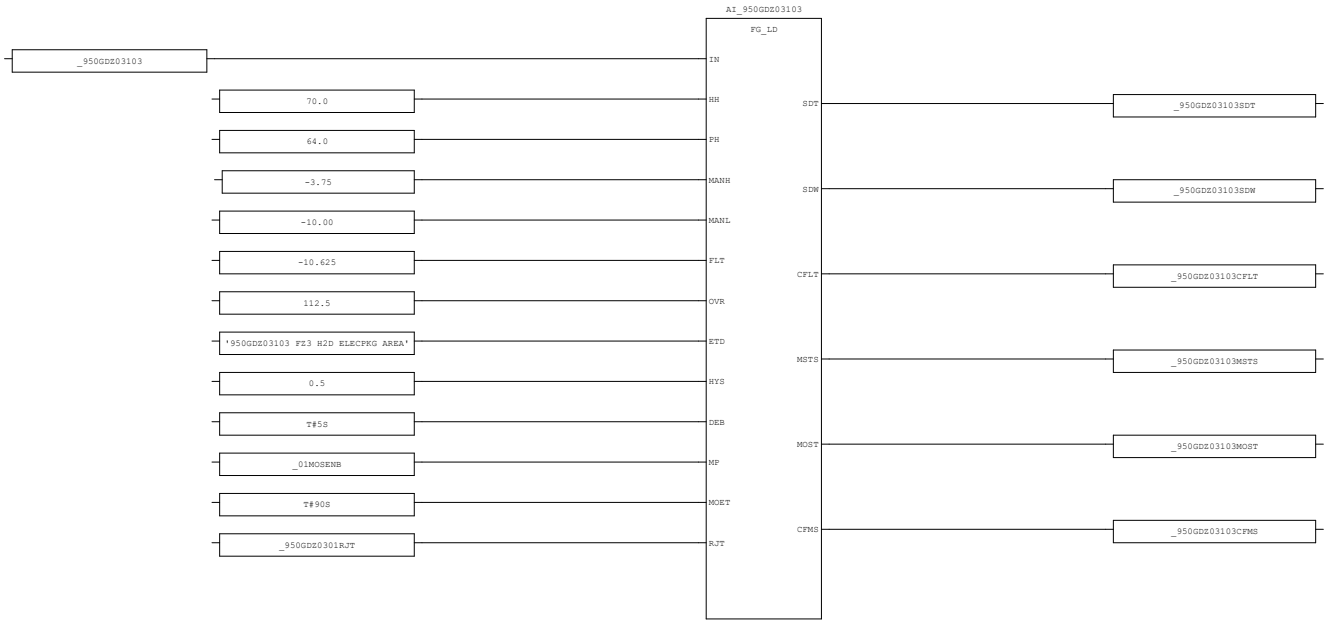

AI_950GDZ02119
FG_LD
_950GDZ02119
IN
70.0
HH
64.0
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ02119 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#5S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0202RJT
RJT
SDT
SDW
CFLT
MSTS
MOST
CFMS
_950GDZ02119SDT
_950GDZ02119SDW
_950GDZ02119CFLT
_950GDZ02119MSTS
_950GDZ02119MOST
_950GDZ02119CFMS

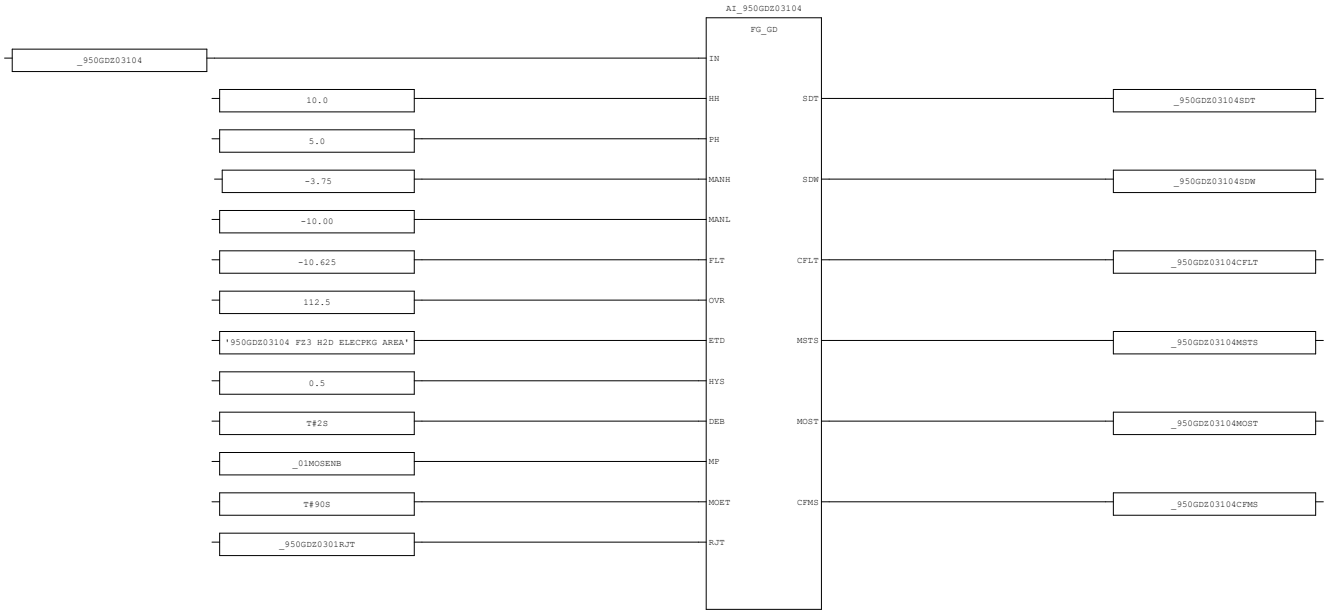
3.17. AI_LD_02 (* Analog Input Processing-Leak & Gas Detector *)

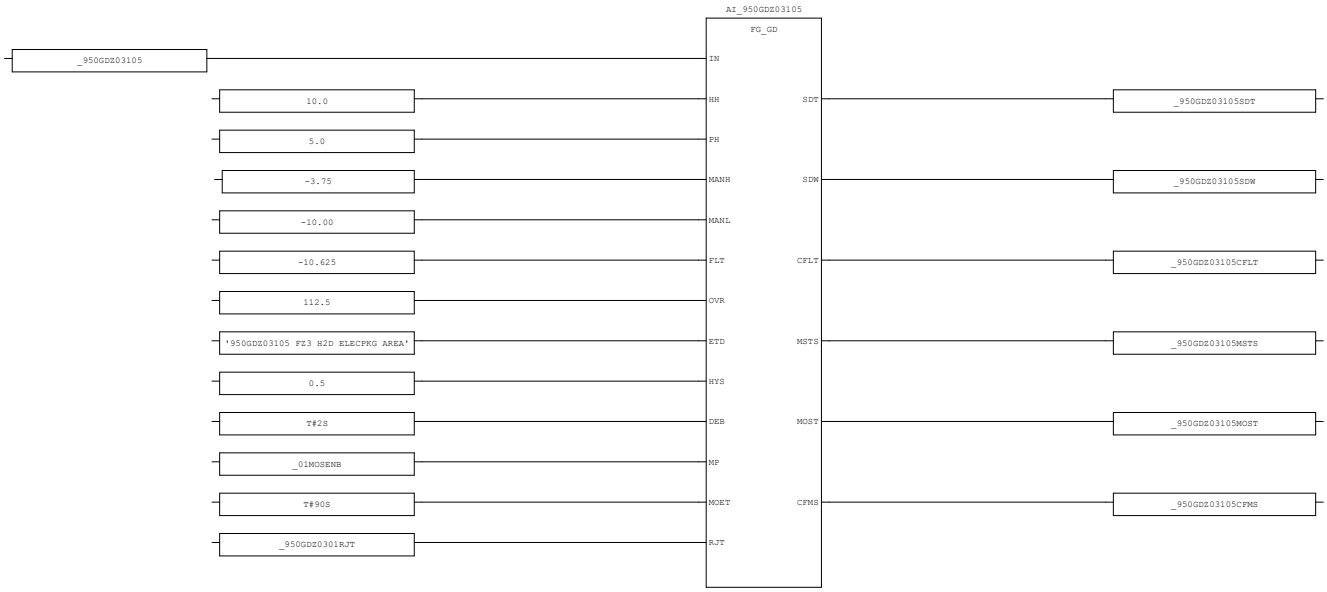




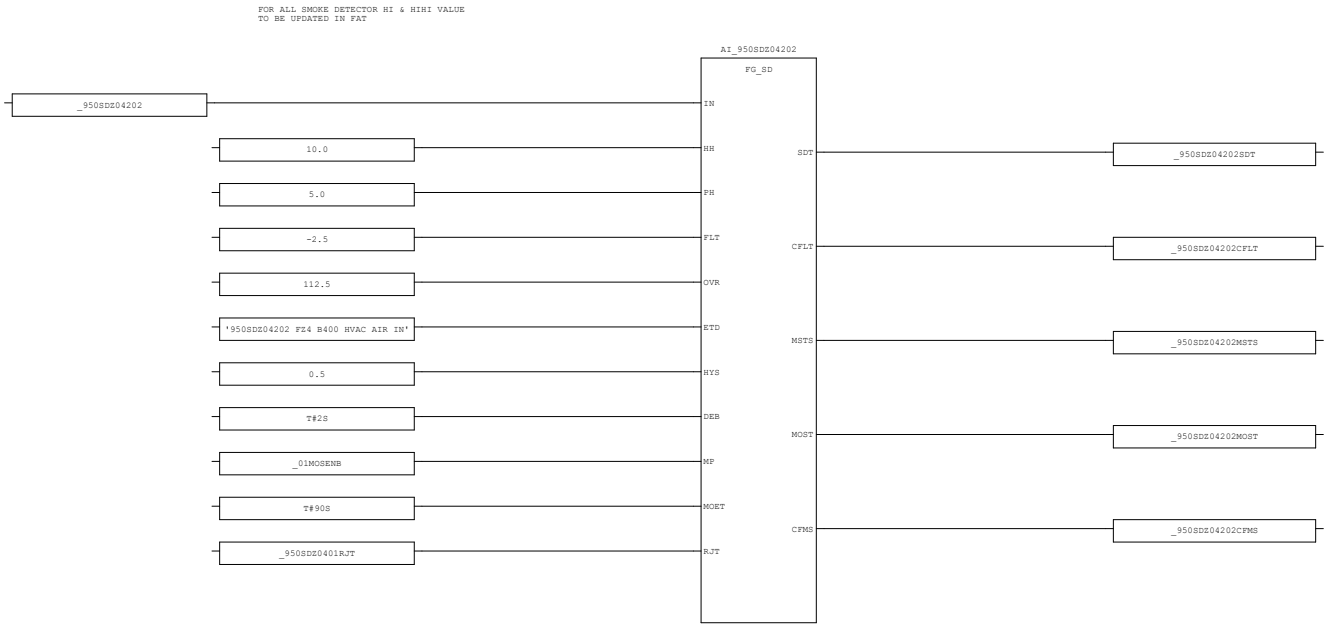

AI_950GDZ03102
FG_LD
_950GDZ03102
70.0
64.0
-3.75
-10.00
-10.625
112.5
'950GDZ03102 FZ3 H2D ELECPKG AREA'
0.5
T#5S
_01MOSENB
T#90S
_950GDZ0301RJT
IN
HH
PH
MANH
MANL
FLT
OVR
ETD
HYS
DEB
MP
MOET
RJT
SDT
SDW
CFLT
MSTS
MOST
CFMS
_950GDZ03102SDT
_950GDZ03102SDW
_950GDZ03102CFLT
_950GDZ03102MSTS
_950GDZ03102MOST
_950GDZ03102CFMS

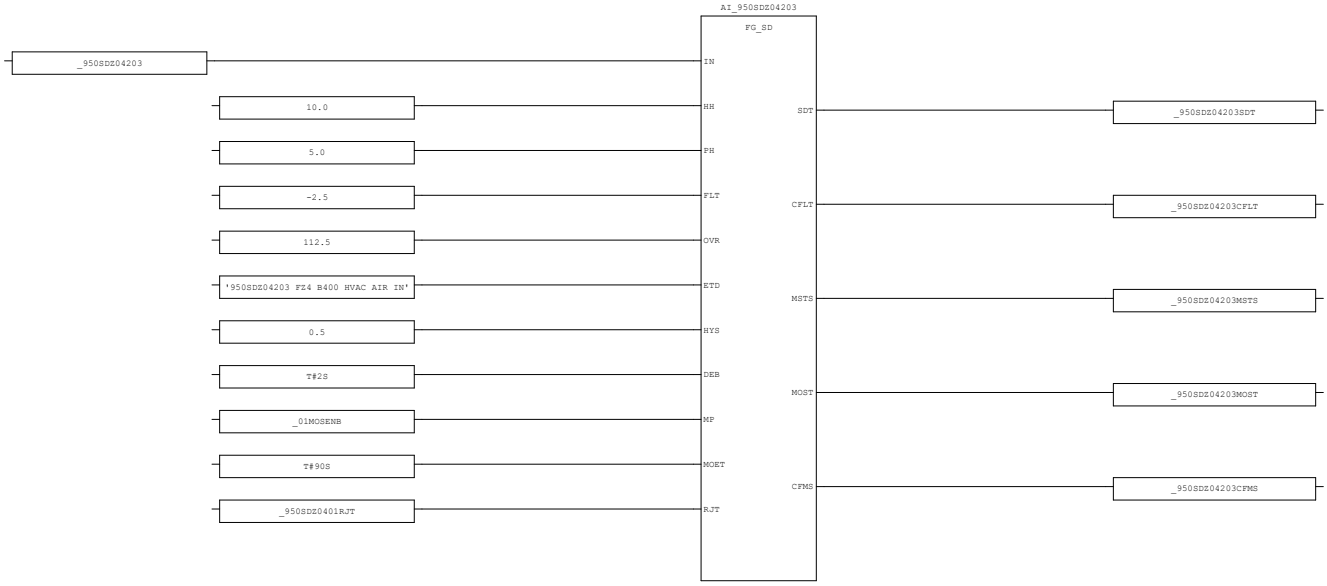

AI_950GDZ03103
FG_LD
_950GDZ03103
70.0
64.0
-3.75
-10.00
-10.625
112.5
'950GDZ03103 FZ3 H2D ELECPKG AREA'
0.5
T#5S
_01MOSENB
T#90S
_950GDZ0301RJT
IN
HH
PH
MANH
MANL
FLT
OVR
ETD
HYS
DEB
MP
MOET
RJT
SDT
SDW
CFLT
MSTS
MOST
CFMS
_950GDZ03103SDT
_950GDZ03103SDW
_950GDZ03103CFLT
_950GDZ03103MSTS
_950GDZ03103MOST
_950GDZ03103CFMS

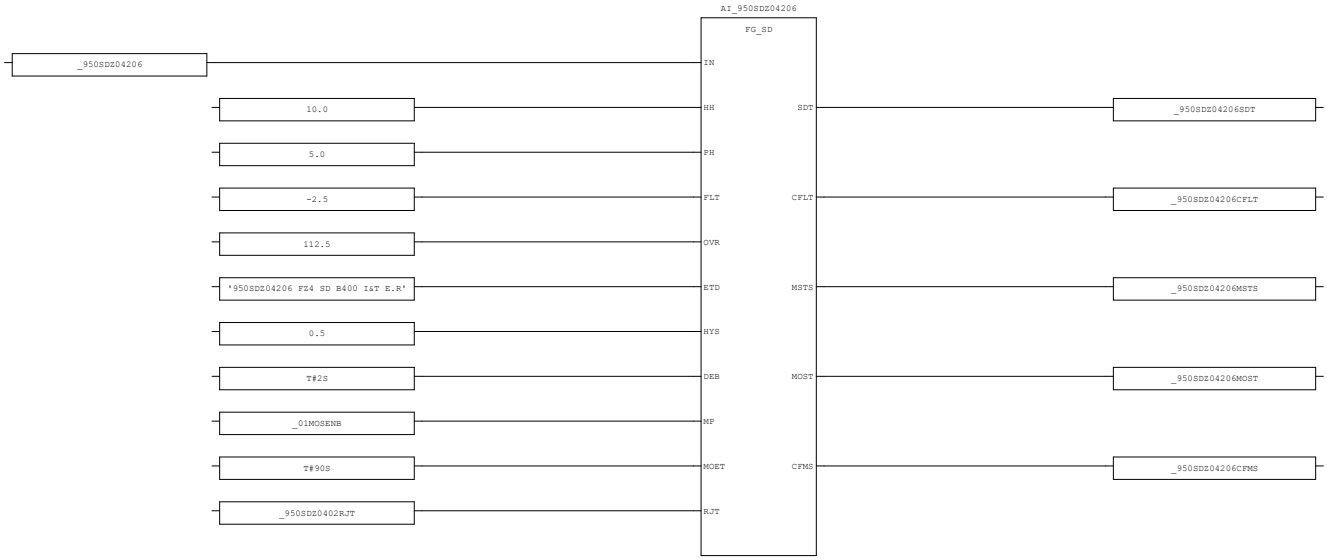

AI_950GDZ03104
FG_GD
_950GDZ03104
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ03104 FZ3 H2D ELECPKG AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0301RJT
RJT
SDT
_950GDZ03104SDT
SDW
_950GDZ03104SDW
CFLT
_950GDZ03104CFLT
MSTS
_950GDZ03104MSTS
MOST
_950GDZ03104MOST
CFMS
_950GDZ03104CFMS

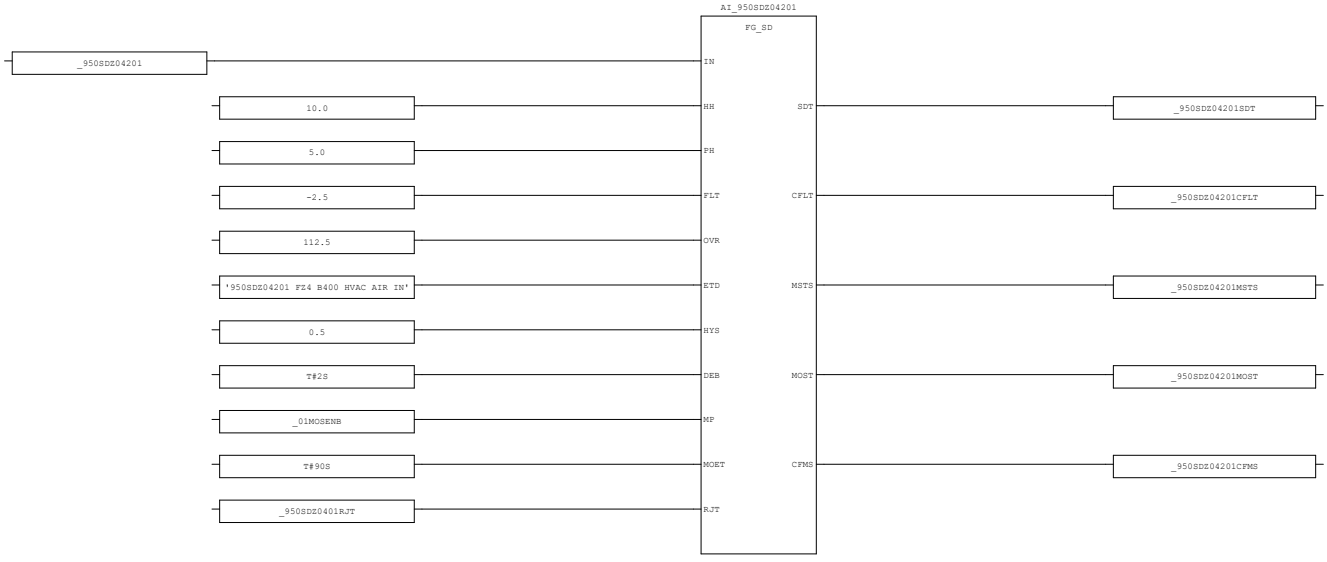

AI_950GDZ03105
FG_GD
_950GDZ03105
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ03105 FZ3 H2D ELECPKG AREA'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950GDZ0301RJT
RJT
SDT
_950GDZ03105SDT
SDW
_950GDZ03105SDW
CFLT
_950GDZ03105CFLT
MSTS
_950GDZ03105MSTS
MOST
_950GDZ03105MOST
CFMS
_950GDZ03105CFMS

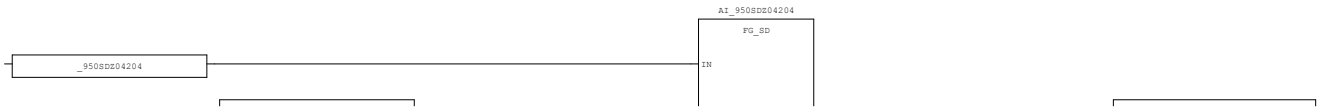
3.18. AI_SD_01 (* Analog Input Processing-Smoke Detector *)

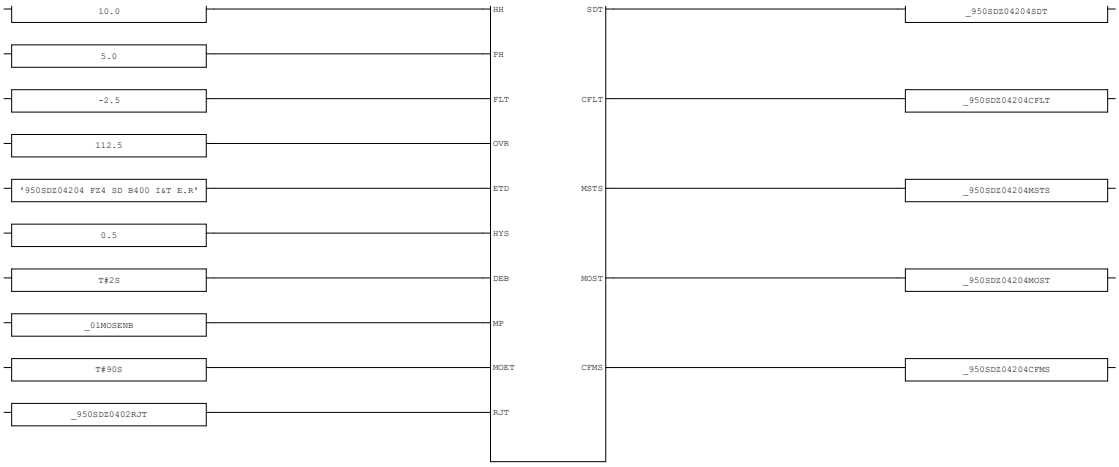


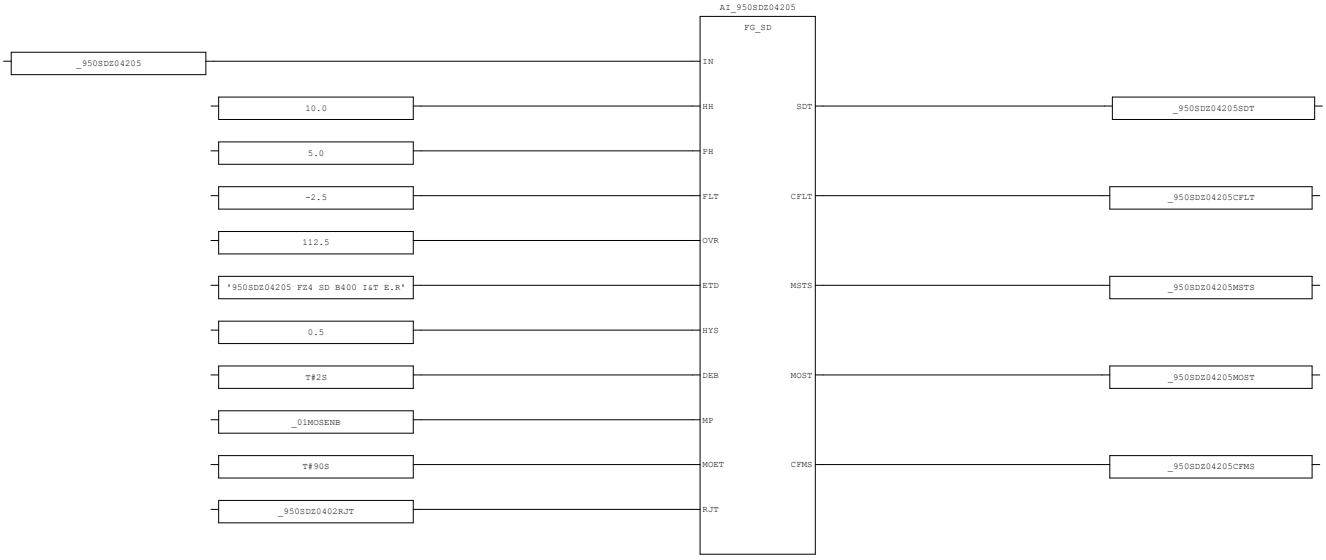



AI_950SDZ04206
FG_SD
_950SDZ04206
10.0
5.0
-2.5
112.5
'950SDZ04206 FZ4 SD B400 I&T E.R'
0.5
T#2S
_01MOSENB
T#90S
_950SDZ0402RJT
IN
HH
PH
FLT
OVR
ETD
HYS
DEB
MP
MOET
RJT
SDT
CFLT
MSTS
MOST
CFMS
_950SDZ04206SDT
_950SDZ04206CFLT
_950SDZ04206MSTS
_950SDZ04206MOST
_950SDZ04206CFMS


AI_950SDZ04201
FG_SD
_950SDZ04201
10.0
5.0
-2.5
112.5
'950SDZ04201 FZ4 B400 HVAC AIR IN'
0.5
T#2S
_01MOSENB
T#90S
_950SDZ0401RJT
IN
HH
PH
FLT
OVR
ETD
HYS
DEB
MP
MOET
RJT
SDT
CFLT
MSTS
MOST
CFMS
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_950SDZ04201CFLT
_950SDZ04201MSTS
_950SDZ04201MOST
_950SDZ04201CFMS

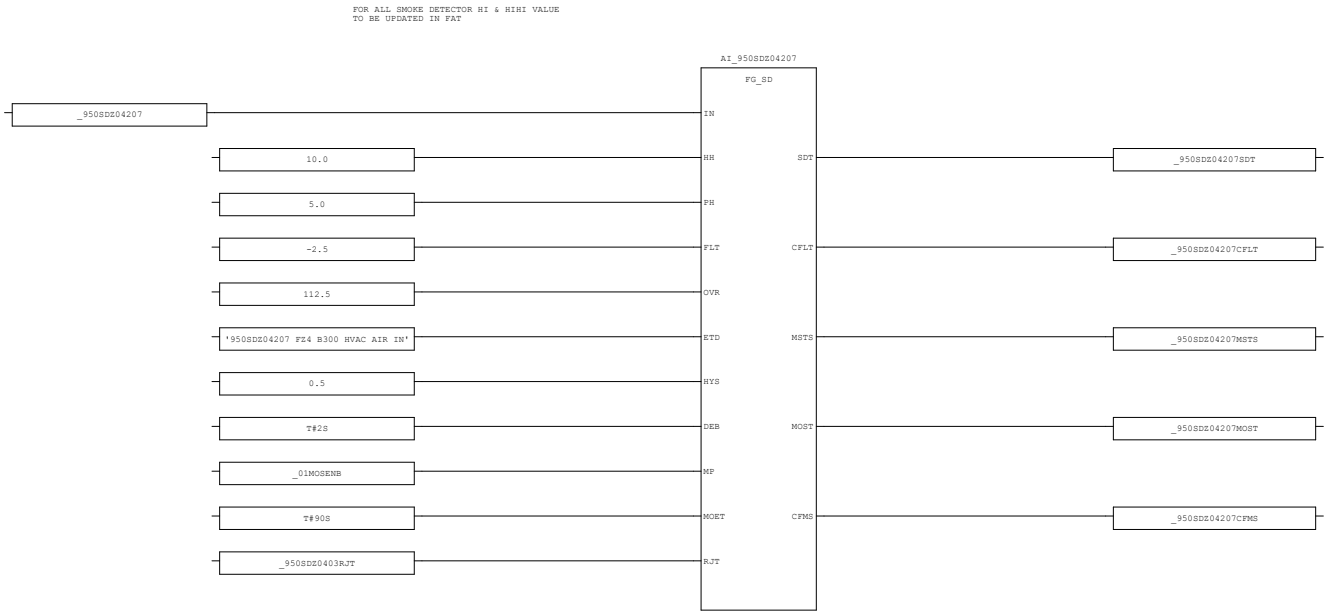

AI_950SDZ04204
FG_SD
_950SDZ04204
IN

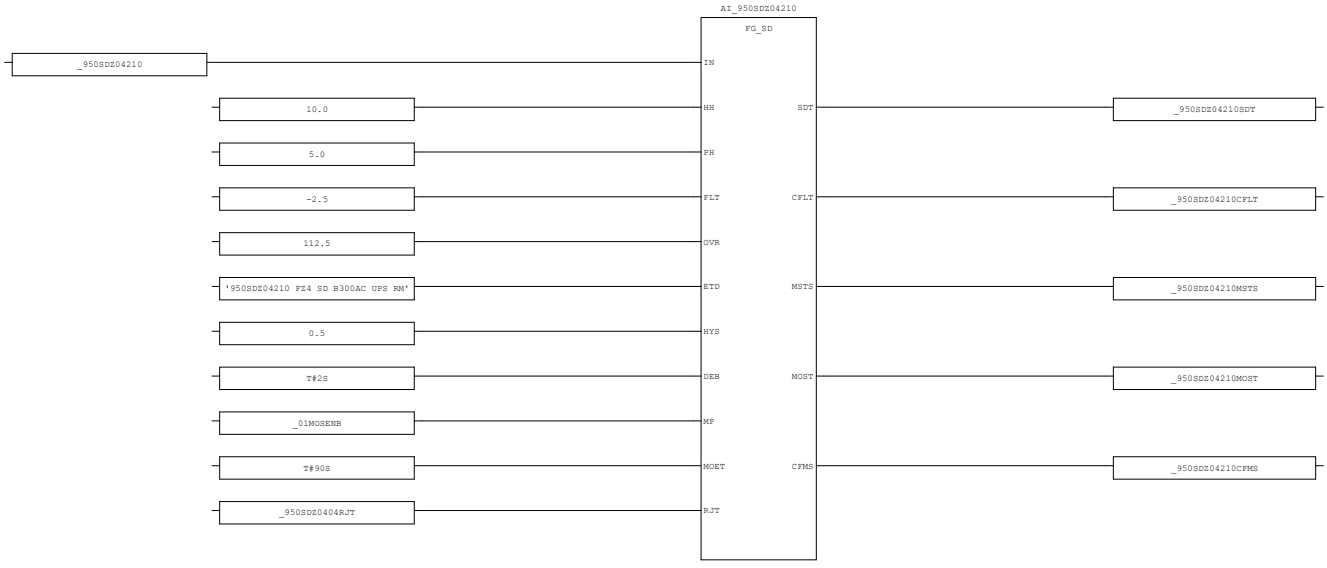


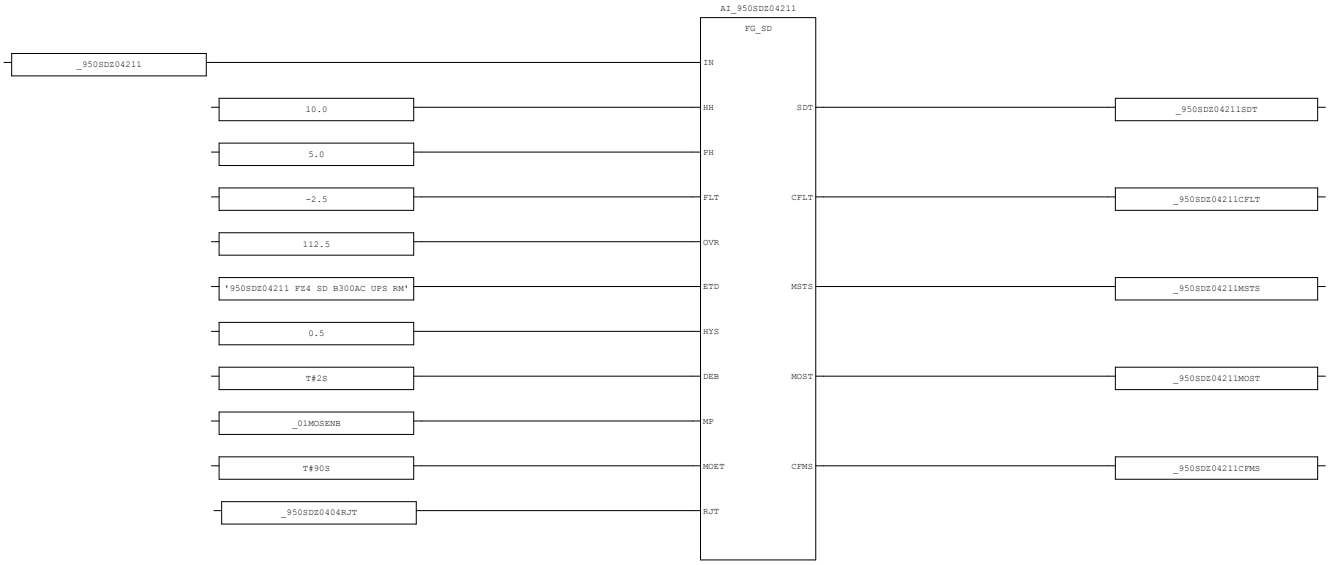


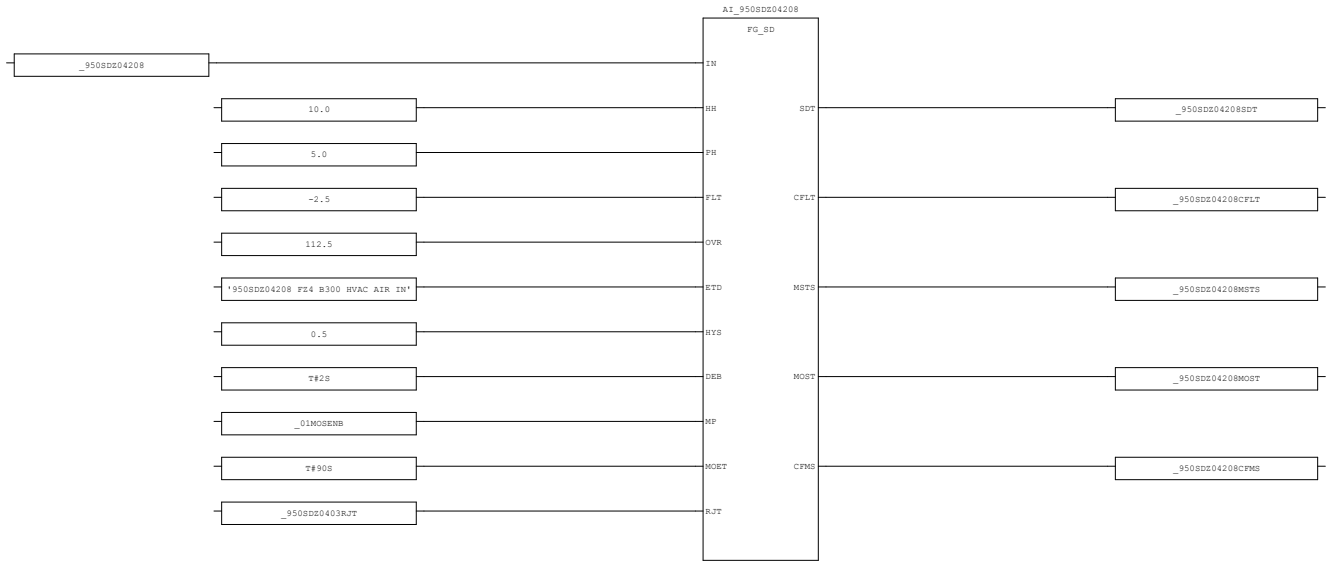
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 54
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

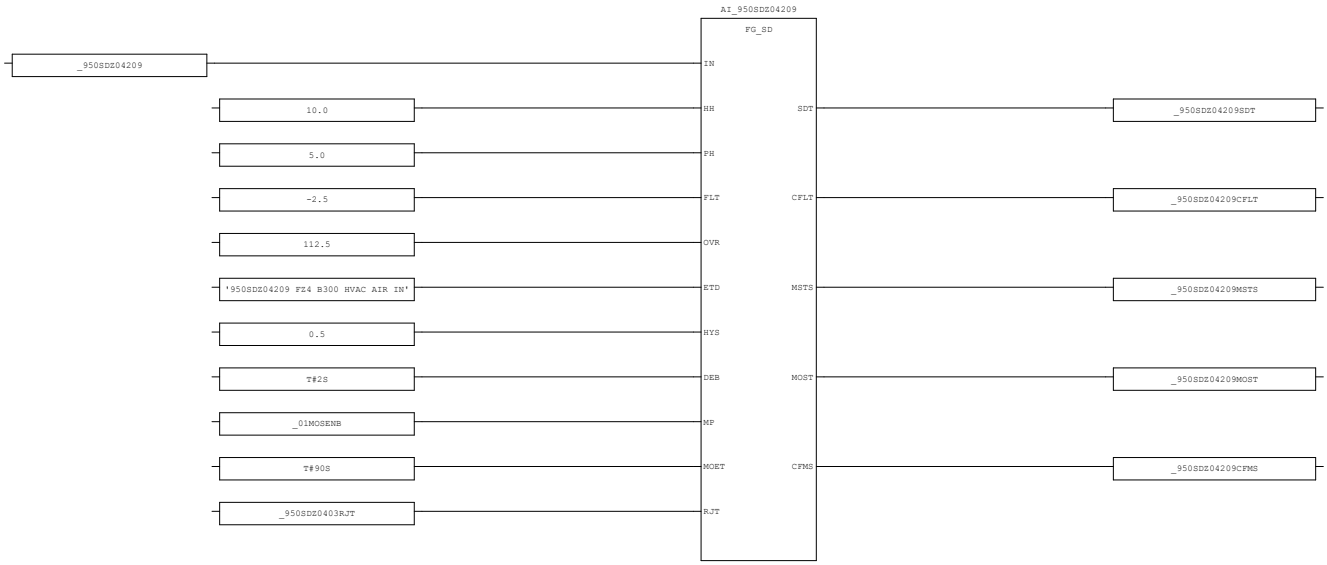
3.19. AI_SD_02 (* Analog Input Processing-Smoke Detector *)

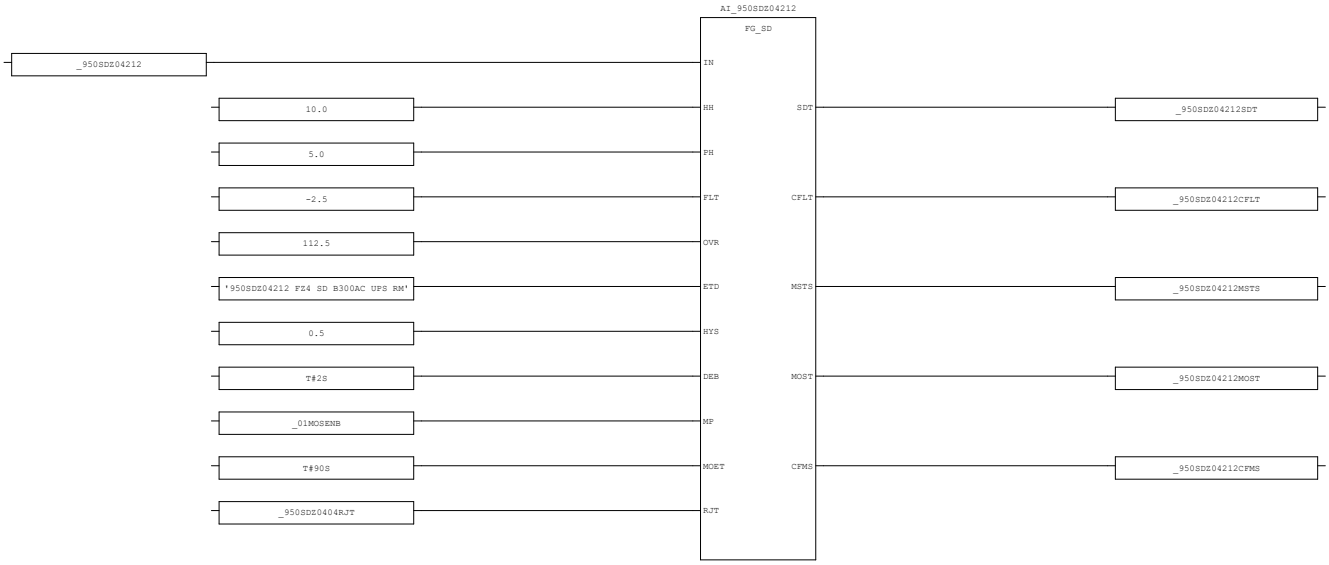




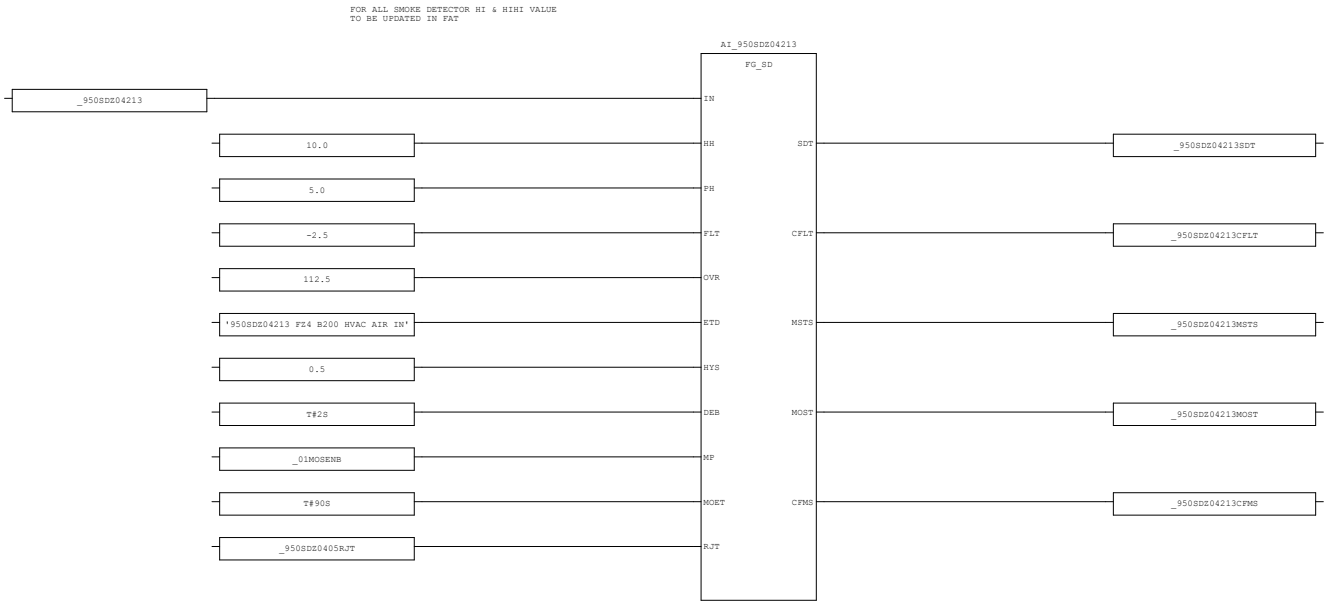

AI_950SDZ04211
FG_SD
_950SDZ04211
IN
10.0
HH
5.0
FH
-2.5
FLT
112.5
OVR
'950SDZ04211 FZ4 SD B300AC UPS RM'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950SDZ0404RJT
RJT
SDT
_950SDZ04211SDT
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_950SDZ04211CFLT
MSTS
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MOST
_950SDZ04211MOST
CFMS
_950SDZ04211CFMS

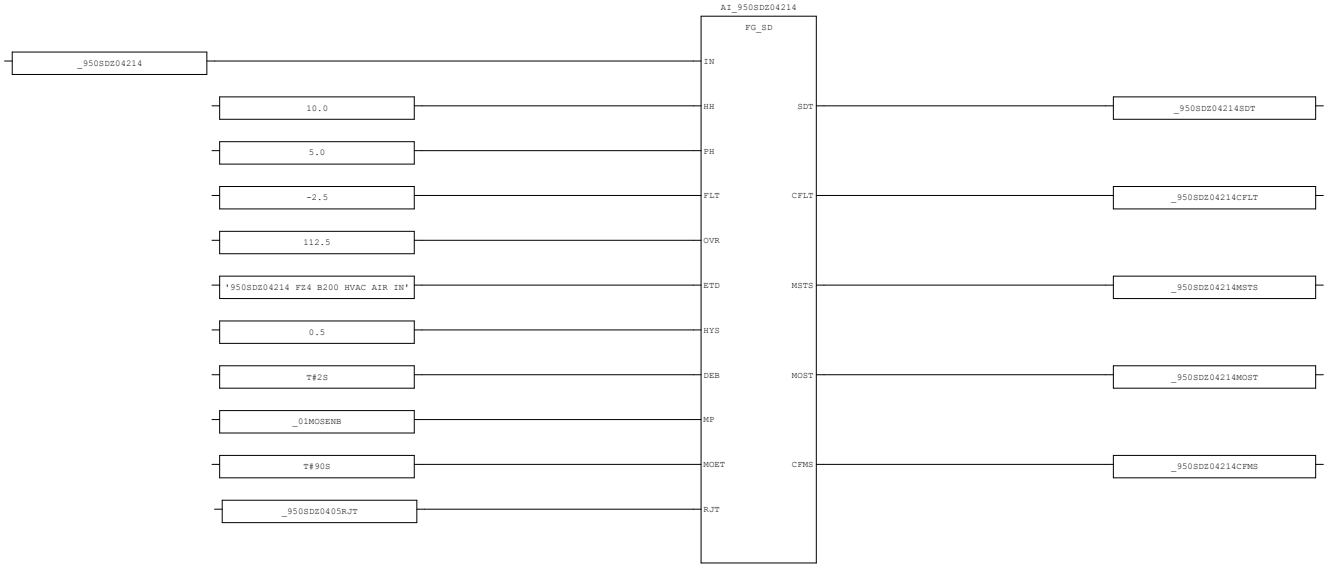

AI_950SDZ04208
FG_SD
_950SDZ04208
IN
10.0
HH
5.0
FH
-2.5
FLT
112.5
OVR
'950SDZ04208 FZ4 B300 HVAC AIR IN'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950SDZ0403RJT
RJT
SDT
_950SDZ04208SDT
CFLT
_950SDZ04208CFLT
MSTS
_950SDZ04208MSTS
MOST
_950SDZ04208MOST
CFMS
_950SDZ04208CFMS

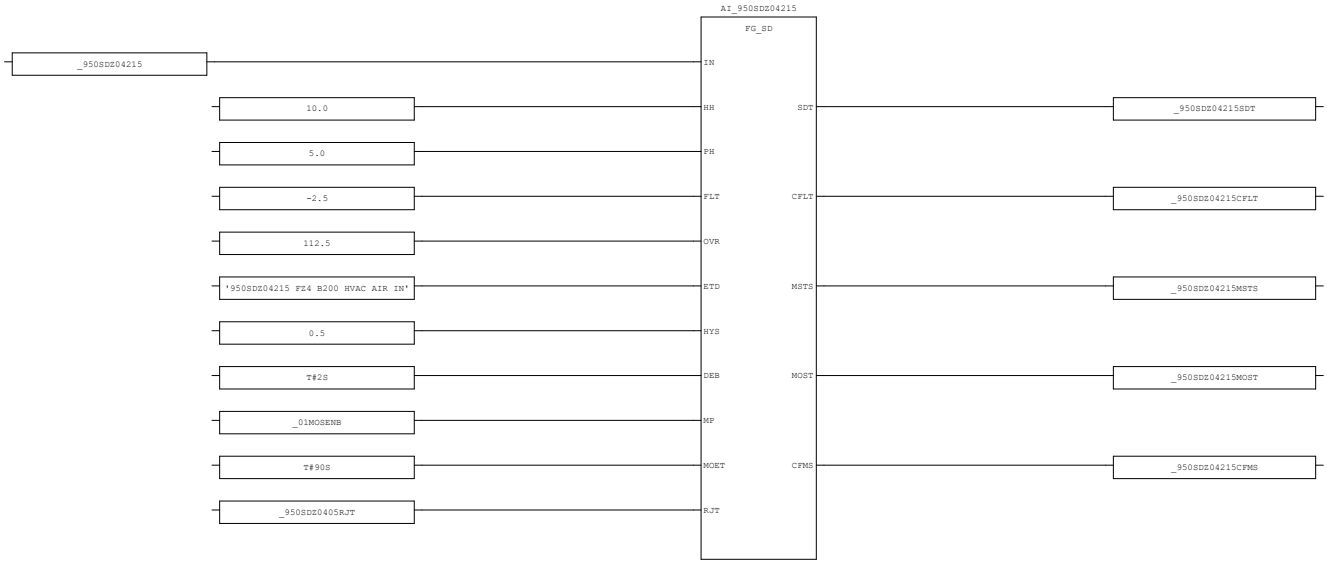

AI_950SDZ04209
FG_SD
_950SDZ04209
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04209 FZ4 B300 HVAC AIR IN'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950SDZ0403RJT
RJT
SDT
_950SDZ04209SDT
CFLT
_950SDZ04209CFLT
MSTS
_950SDZ04209MSTS
MOST
_950SDZ04209MOST
CFMS
_950SDZ04209CFMS

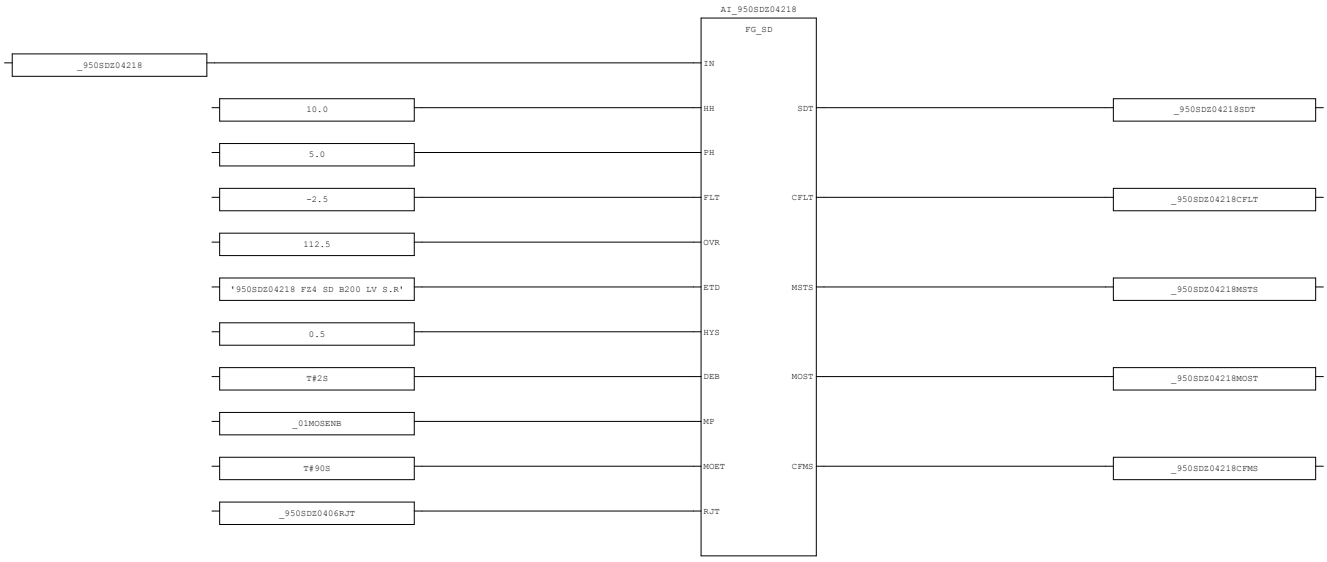

AI_950SDZ04212
FG_SD
_950SDZ04212
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04212 FZ4 SD B300AC UPS RM'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950SDZ0404RJT
RJT
SDT
_950SDZ04212SDT
CFLT
_950SDZ04212CFLT
MSTS
_950SDZ04212MSTS
MOST
_950SDZ04212MOST
CFMS
_950SDZ04212CFMS

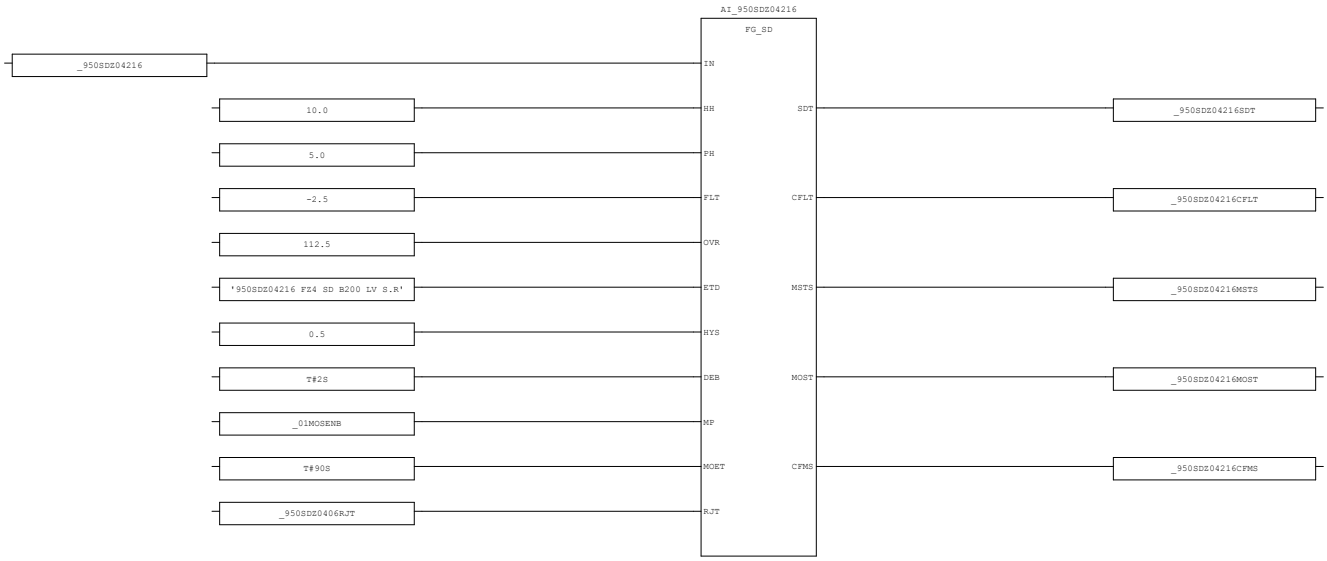
3.20. AI_SD_03 (* Analog Input Processing-Smoke Detector *)

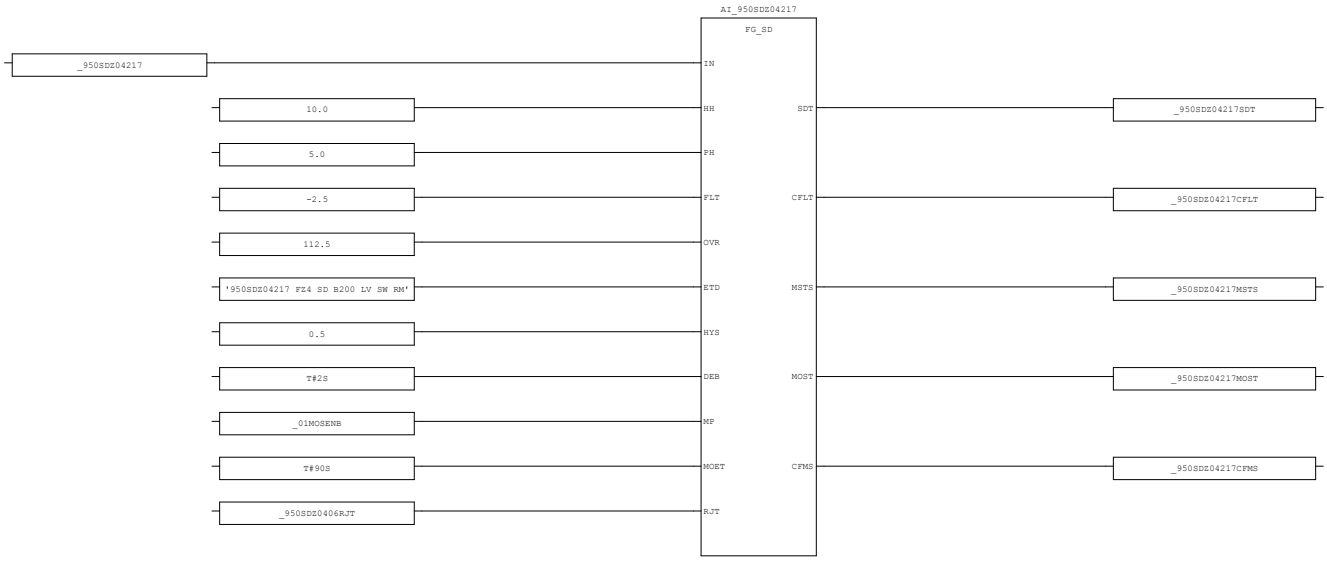




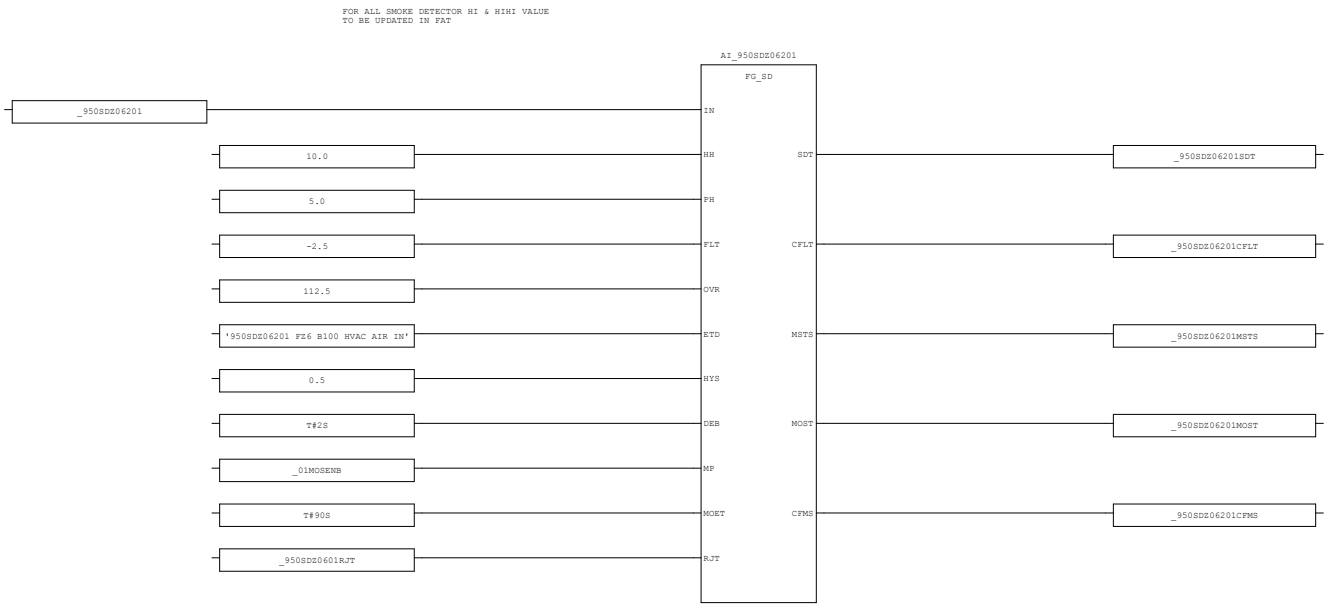

AI_950SDZ04215
FG_SD
_950SDZ04215
IN
10.0
HH
5.0
FH
-2.5
FLT
112.5
OVR
'950SDZ04215 FZ4 B200 HVAC AIR IN'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950SDZ0405RJT
RJT
SDT
_950SDZ04215SDT
CFLT
_950SDZ04215CFLT
MSTS
_950SDZ04215MSTS
MOST
_950SDZ04215MOST
CFMS
_950SDZ04215CFMS

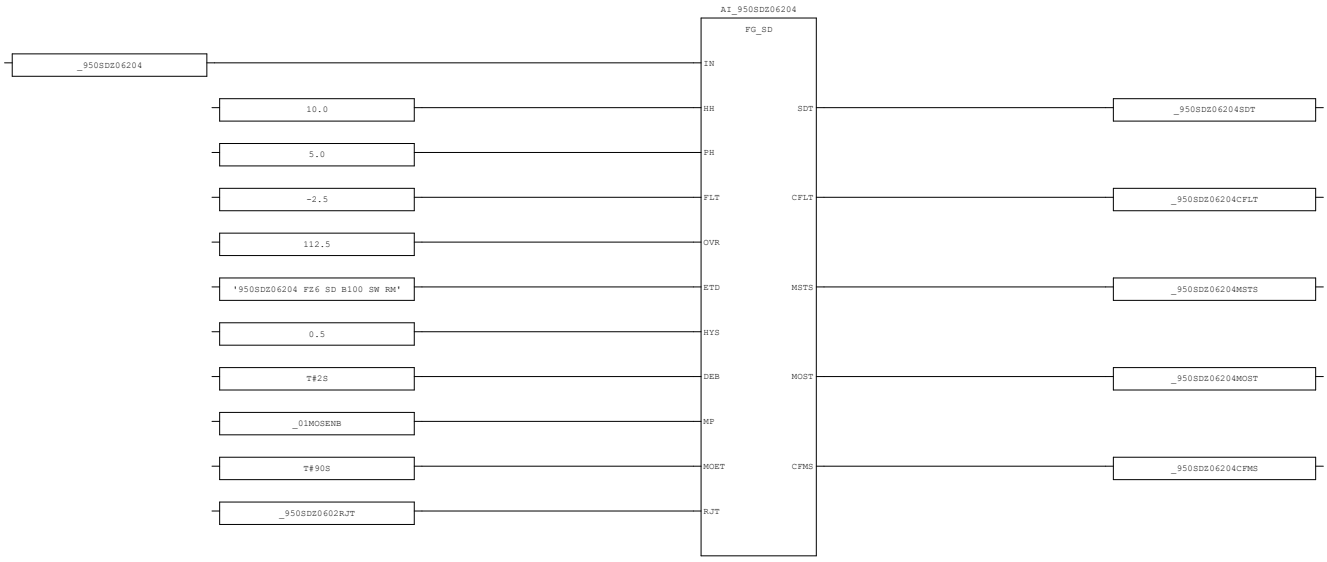

AI_950SDZ04218
FG_SD
_950SDZ04218
IN
10.0
HH
5.0
FH
-2.5
FLT
112.5
OVR
'950SDZ04218 FZ4 SD B200 LV S.R'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950SDZ0406RJT
RJT
SDT
_950SDZ04218SDT
CFLT
_950SDZ04218CFLT
MSTS
_950SDZ04218MSTS
MOST
_950SDZ04218MOST
CFMS
_950SDZ04218CFMS

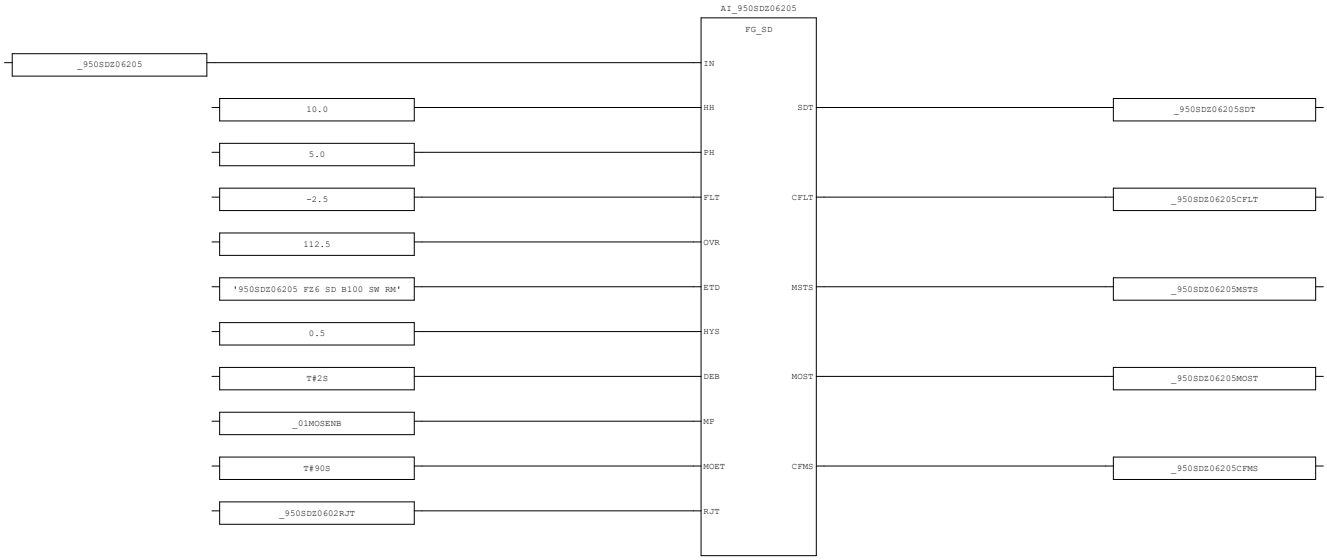

AI_950SDZ04216
FG_SD
_950SDZ04216
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04216 FZ4 SD B200 LV S.R'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950SDZ0406RJT
RJT
SDT
_950SDZ04216SDT
CFLT
_950SDZ04216CFLT
MSTS
_950SDZ04216MSTS
MOST
_950SDZ04216MOST
CFMS
_950SDZ04216CFMS

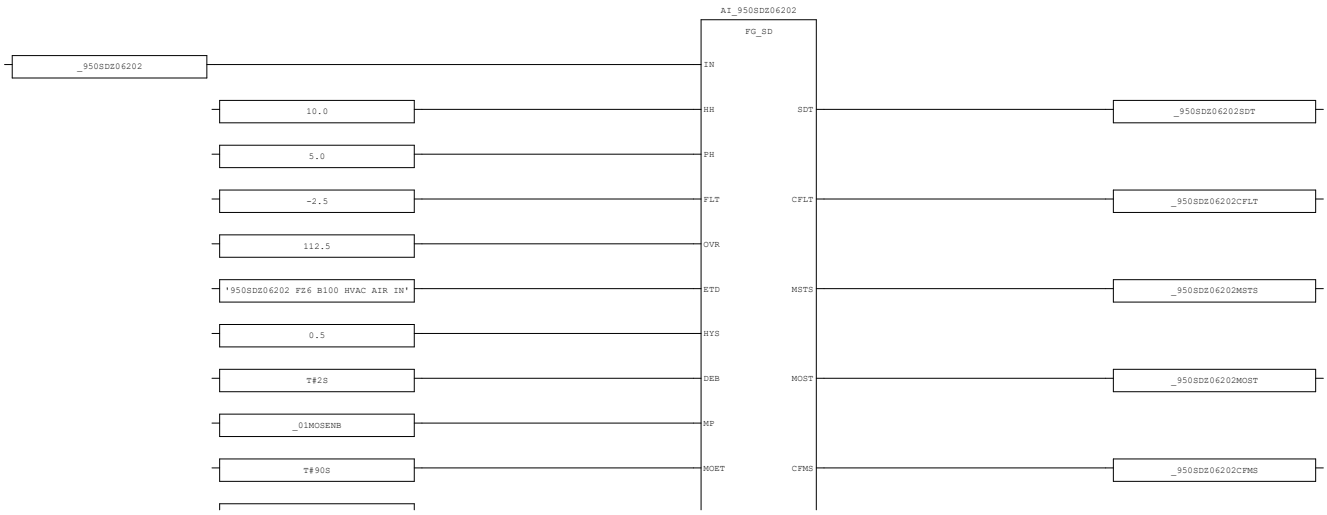

AI_950SDZ04217
FG_SD
_950SDZ04217
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04217 FZ4 SD B200 LV SW RM'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950SDZ0406RJT
RJT
SDT
_950SDZ04217SDT
CFLT
_950SDZ04217CFLT
MSTS
_950SDZ04217MSTS
MOST
_950SDZ04217MOST
CFMS
_950SDZ04217CFMS

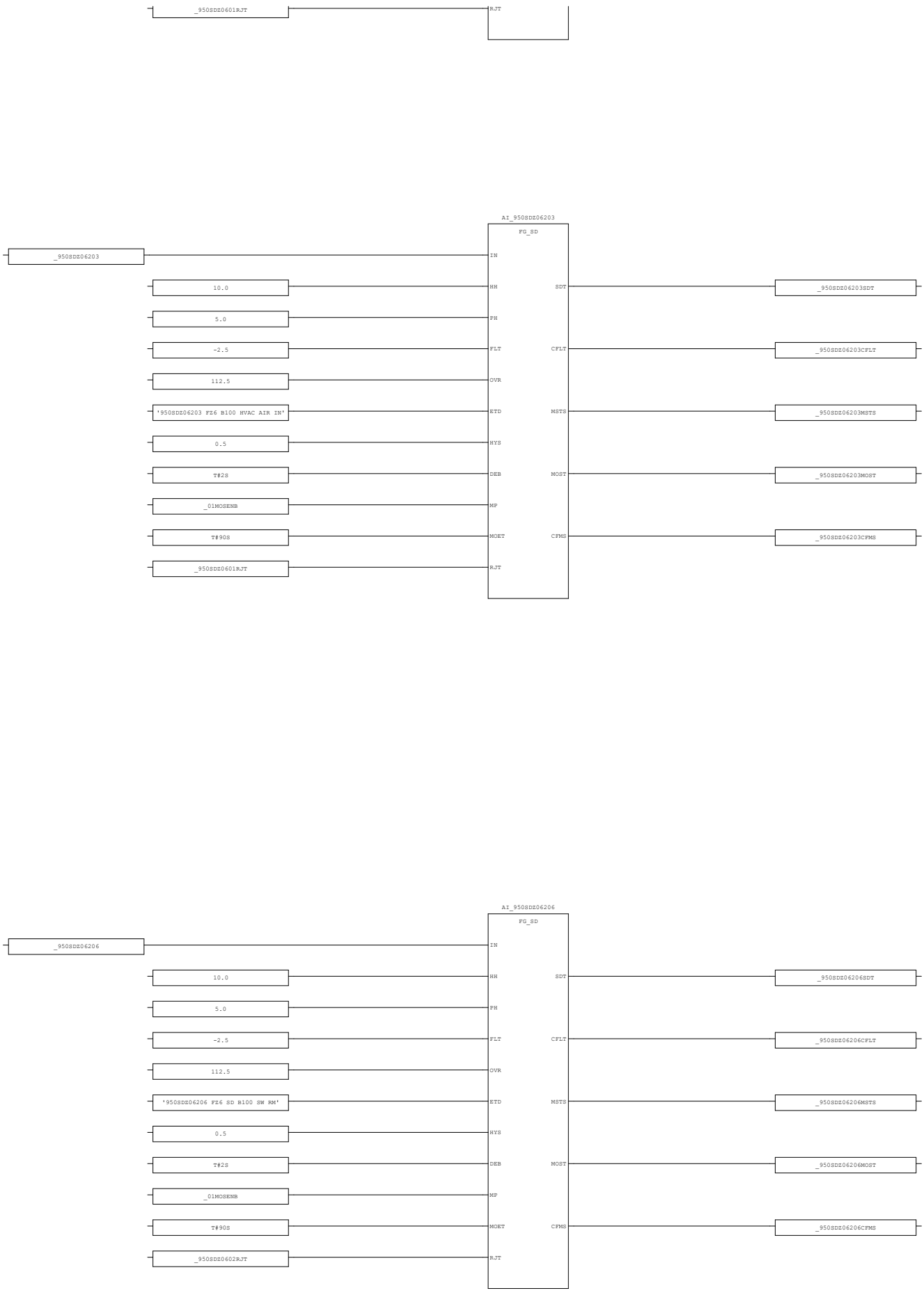
3.21. AI_SD_04 (* Analog Input Processing-Smoke Detector *)





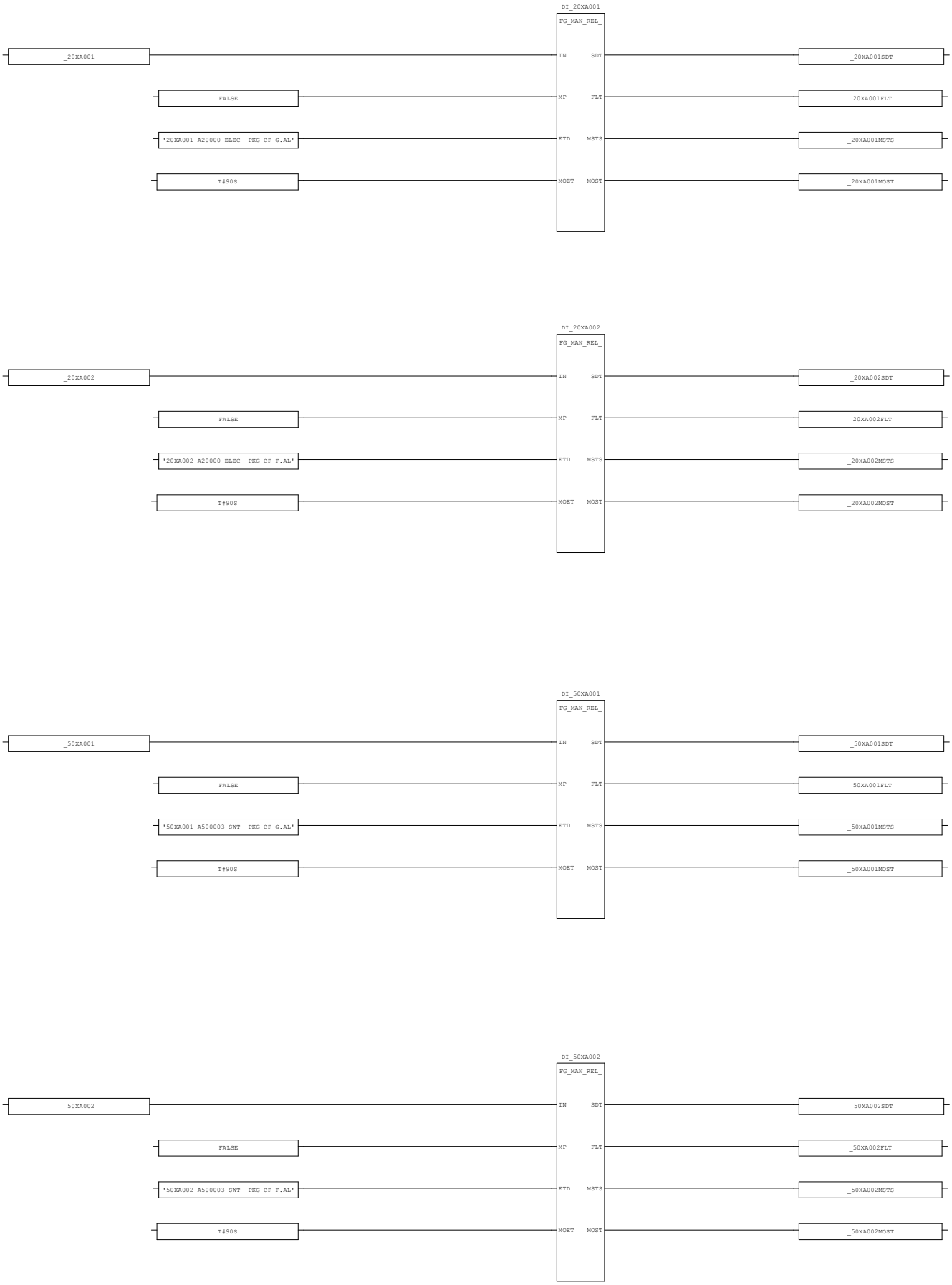

AI_950SDZ06205
FG_SD
_950SDZ06205
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ06205 FZ6 SD B100 SW RM'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
_950SDZ0602RJT
RJT
SDT
_950SDZ06205SDT
CFLT
_950SDZ06205CFLT
MSTS
_950SDZ06205MSTS
MOST
_950SDZ06205MOST
CFMS
_950SDZ06205CFMS

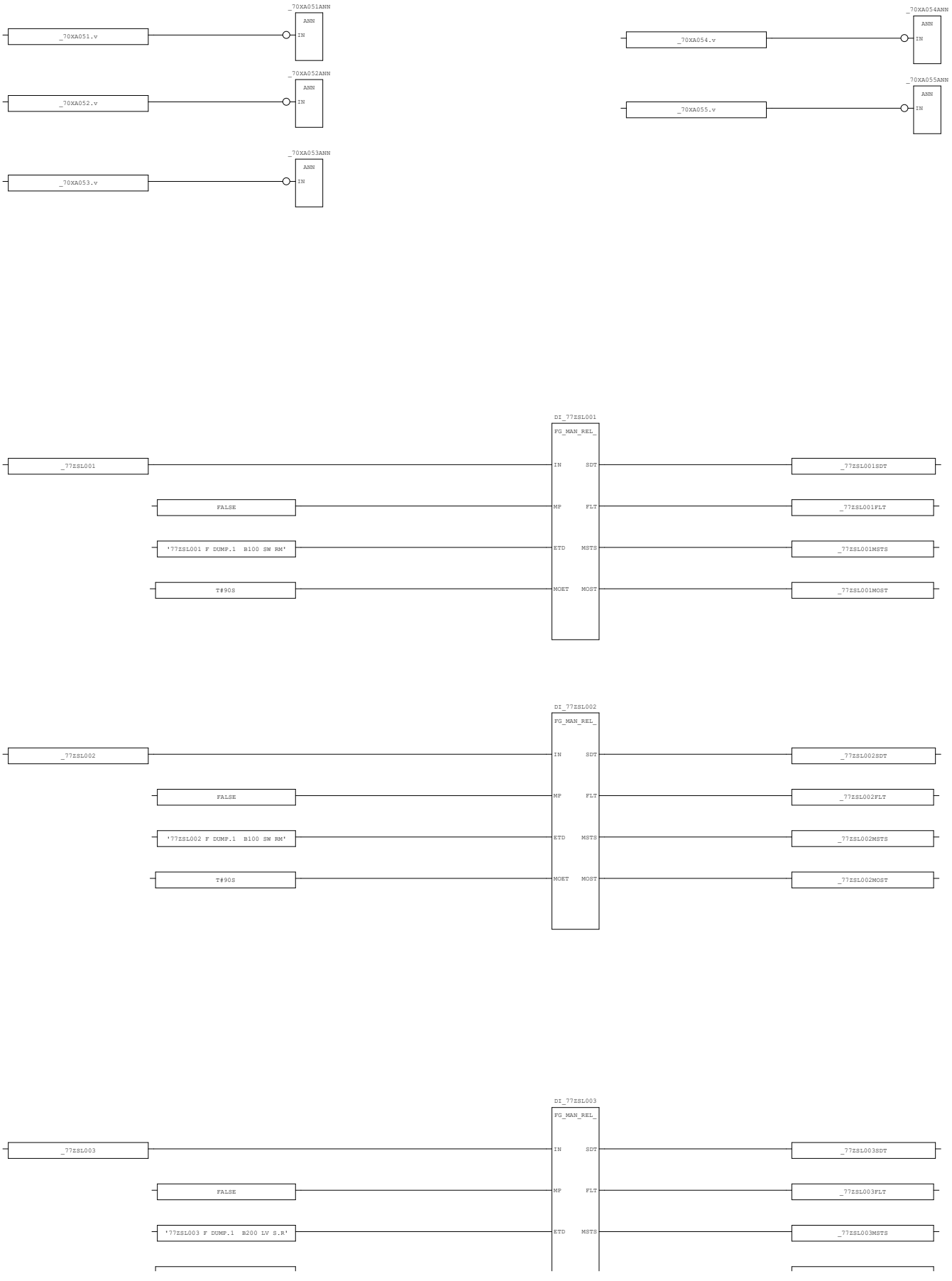

AI_950SDZ06202
FG_SD
_950SDZ06202
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ06202 FZ6 B100 HVAC AIR IN'
ETD
0.5
HYS
T#2S
DEB
_01MOSENB
MP
T#90S
MOET
SDT
_950SDZ06202SDT
CFLT
_950SDZ06202CFLT
MSTS
_950SDZ06202MSTS
MOST
_950SDZ06202MOST
CFMS
_950SDZ06202CFMS

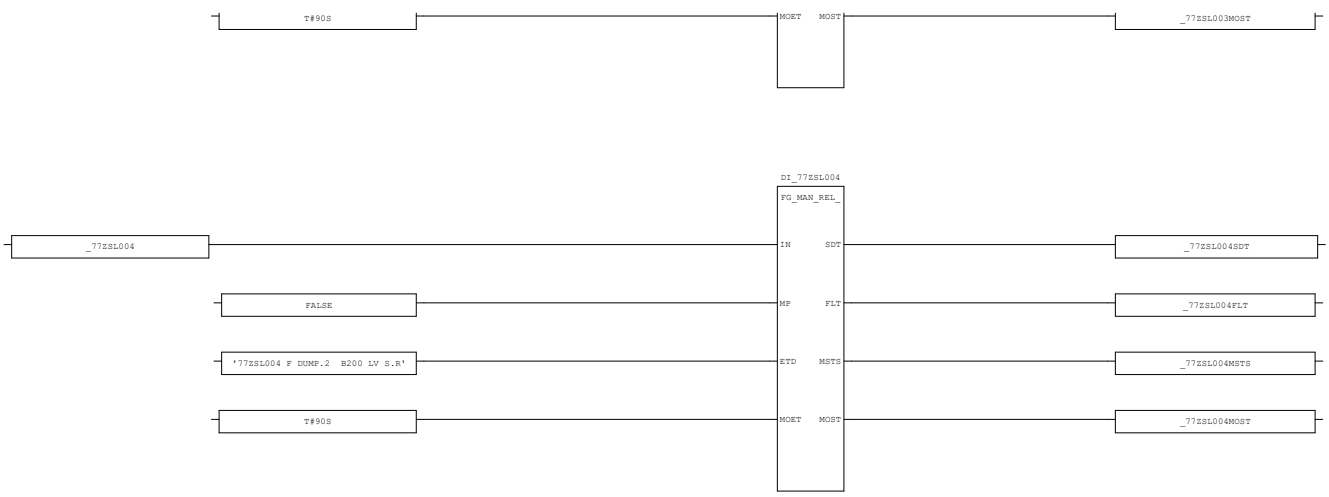


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 63
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.22. DI_01 (* Digital Input Processing *)

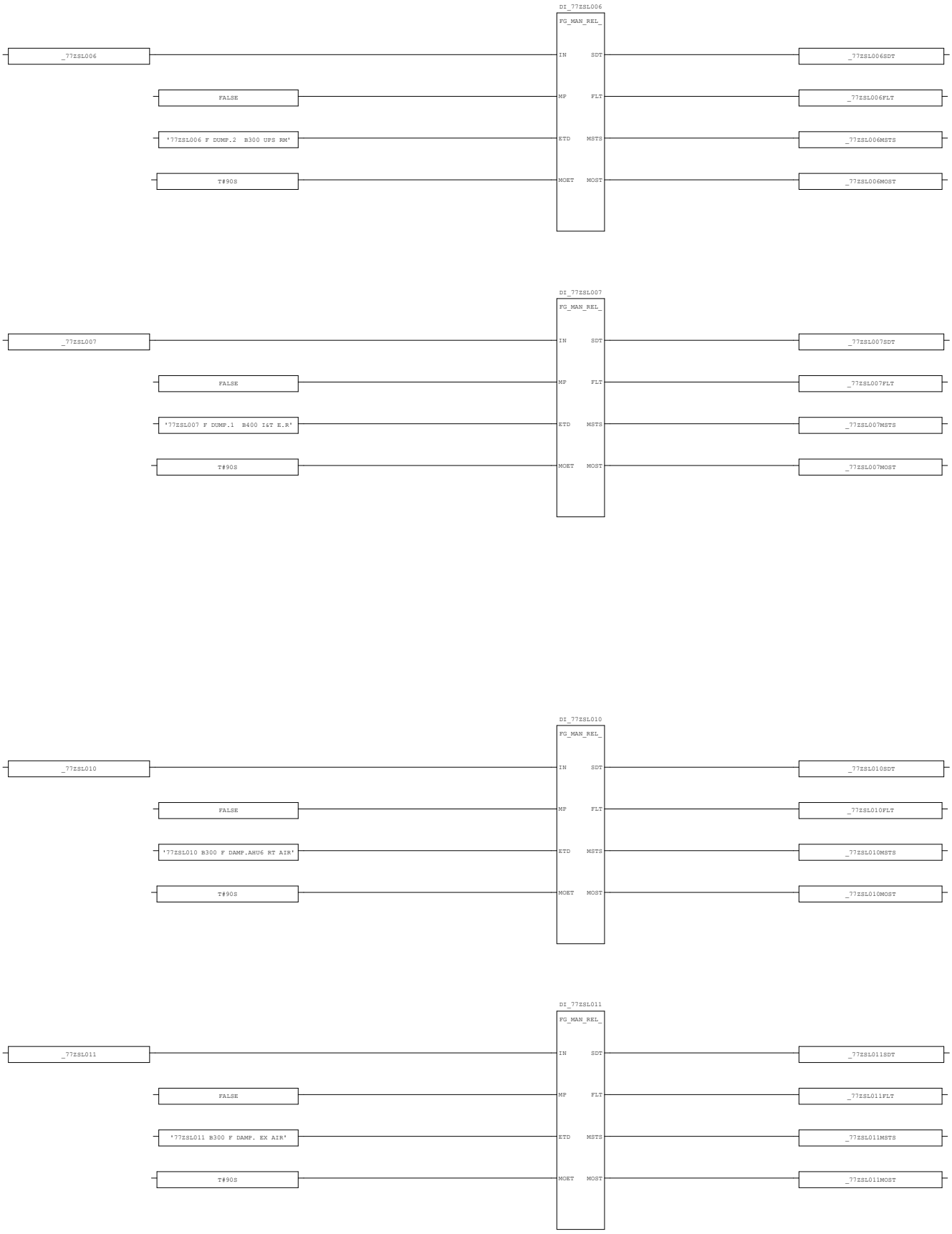


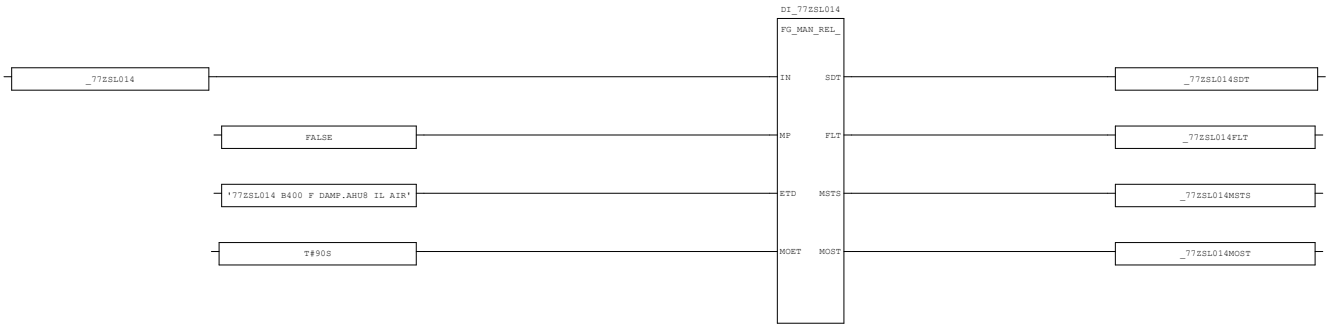

_70XA051ANN
ANN
IN
_70XA051.v
_70XA052ANN
ANN
IN
_70XA052.v
_70XA053ANN
ANN
IN
_70XA053.v
_70XA054ANN
ANN
IN
_70XA054.v
_70XA055ANN
ANN
IN
_70XA055.v
DI_77ZSL001
FG_MAN_REL_
_77ZSL001
IN
SDT
_77ZSL001SDT
FALSE
MP
FLT
_77ZSL001FLT
'77ZSL001 F DUMP.1 B100 SW RM'
ETD
MSTS
_77ZSL001MSTS
T#90S
MOET
MOST
_77ZSL001MOST
DI_77ZSL002
FG_MAN_REL_
_77ZSL002
IN
SDT
_77ZSL002SDT
FALSE
MP
FLT
_77ZSL002FLT
'77ZSL002 F DUMP.1 B100 SW RM'
ETD
MSTS
_77ZSL002MSTS
T#90S
MOET
MOST
_77ZSL002MOST
DI_77ZSL003
FG_MAN_REL_
_77ZSL003
IN
SDT
_77ZSL003SDT
FALSE
MP
FLT
_77ZSL003FLT
'77ZSL003 F DUMP.1 B200 LV S.R'
ETD
MSTS
_77ZSL003MSTS

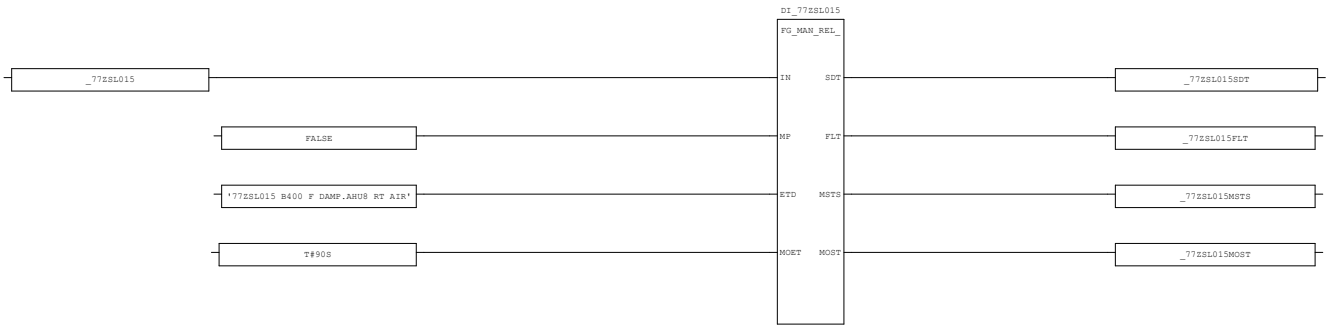


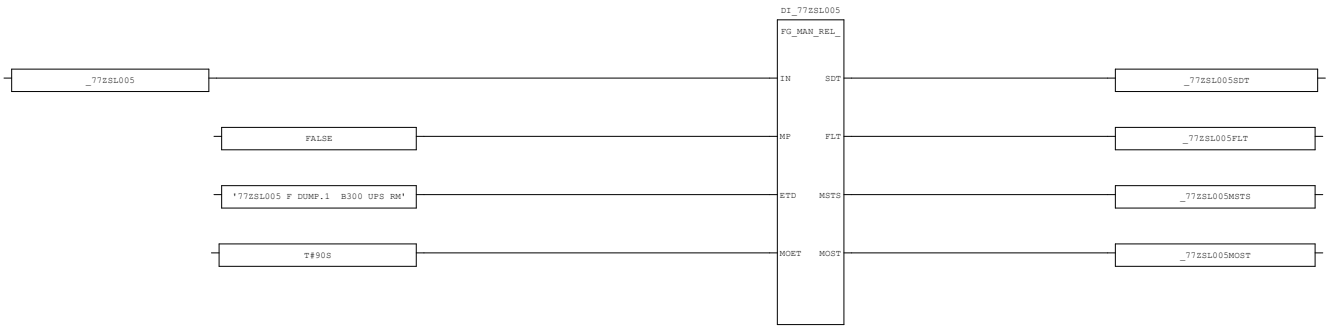
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 66
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 192
				REVISION:	5.3		

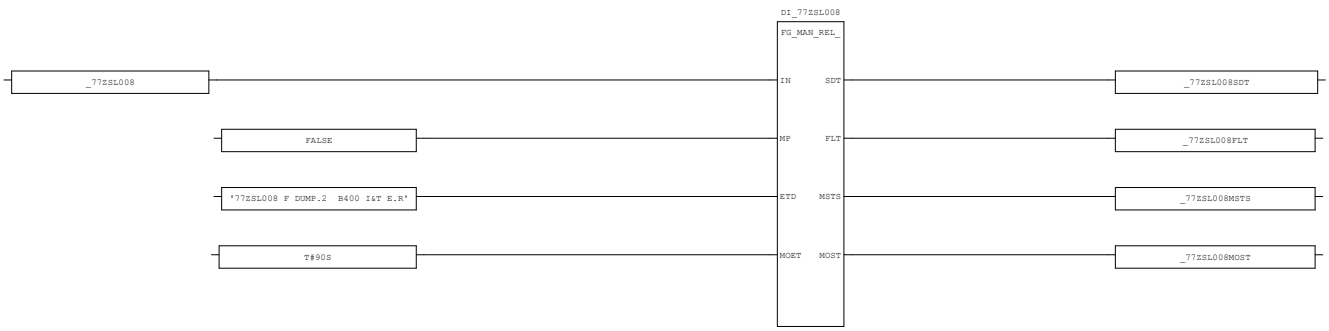
3.23. DI_02 (* Digital Input Processing *)

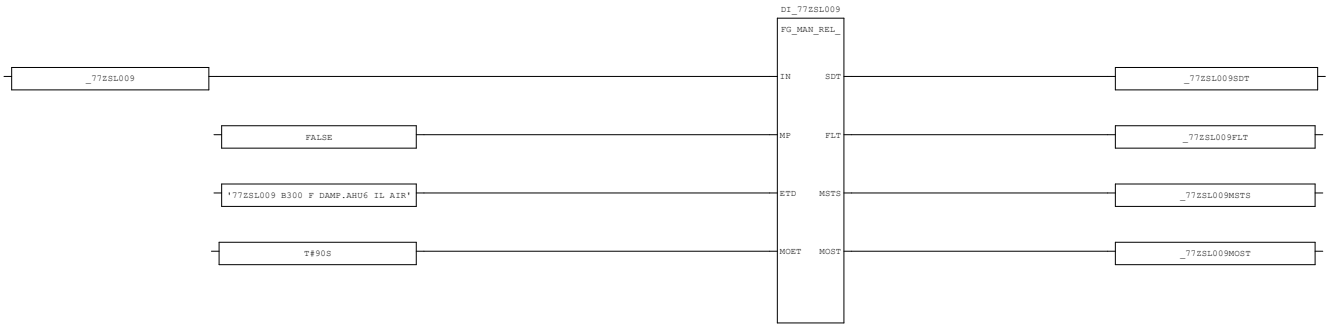


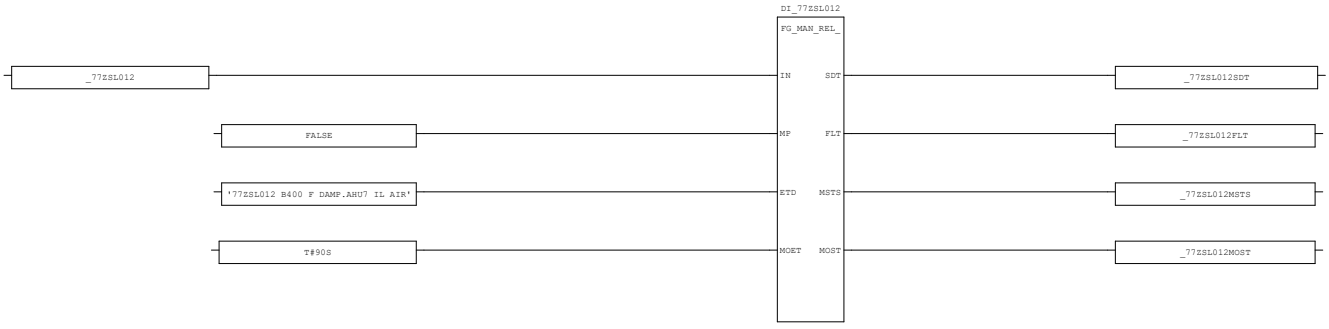

DI_77ZSL014
FG_MAN_REL_
_77ZSL014
IN
SDT
_77ZSL014SDT
FALSE
MP
FLT
_77ZSL014FLT
'77ZSL014 B400 F DAMP.AHU8 IL AIR'
ETD
MSTS
_77ZSL014MSTS
T#90S
MOET
MOST
_77ZSL014MOST

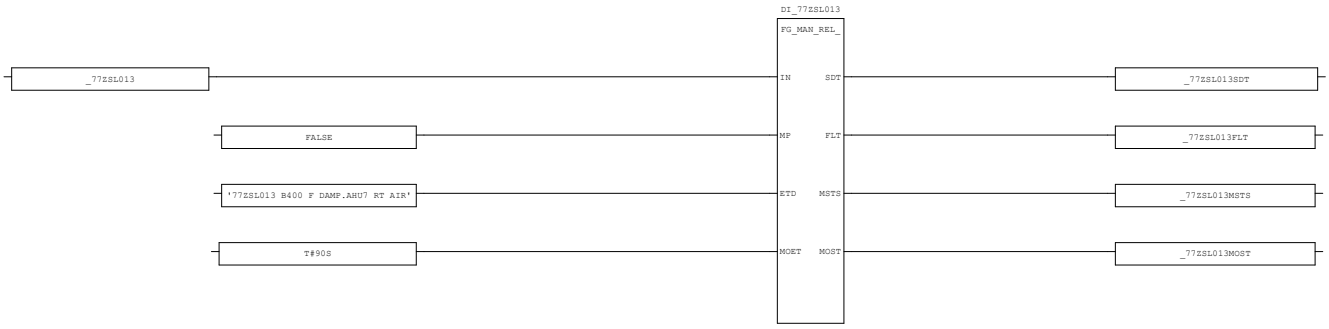

DI_77ZSL015
FG_MAN_REL_
_77ZSL015
IN
SDT
_77ZSL015SDT
FALSE
MP
FLT
_77ZSL015FLT
'77ZSL015 B400 F DAMP.AHU8 RT AIR'
ETD
MSTS
_77ZSL015MSTS
T#90S
MOET
MOST
_77ZSL015MOST

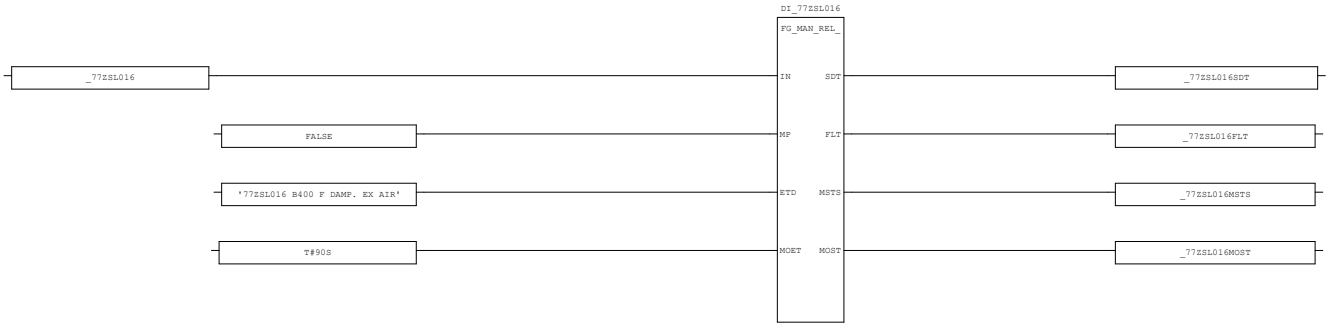

DI_77ZSL005
FG_MAN_REL_
_77ZSL005
IN
SDT
_77ZSL005SDT
FALSE
MP
FLT
_77ZSL005FLT
'77ZSL005 F DUMP.1 B300 UPS RM'
ETD
MSTS
_77ZSL005MSTS
T#90S
MOET
MOST
_77ZSL005MOST


DI_77ZSL008
FG_MAN_REL_
_77ZSL008
IN
SDT
_77ZSL008SDT
FALSE
MP
FLT
_77ZSL008FLT
'77ZSL008 F DUMP.2 B400 I&T E.R'
ETD
MSTS
_77ZSL008MSTS
T#90S
MOET
MOST
_77ZSL008MOST

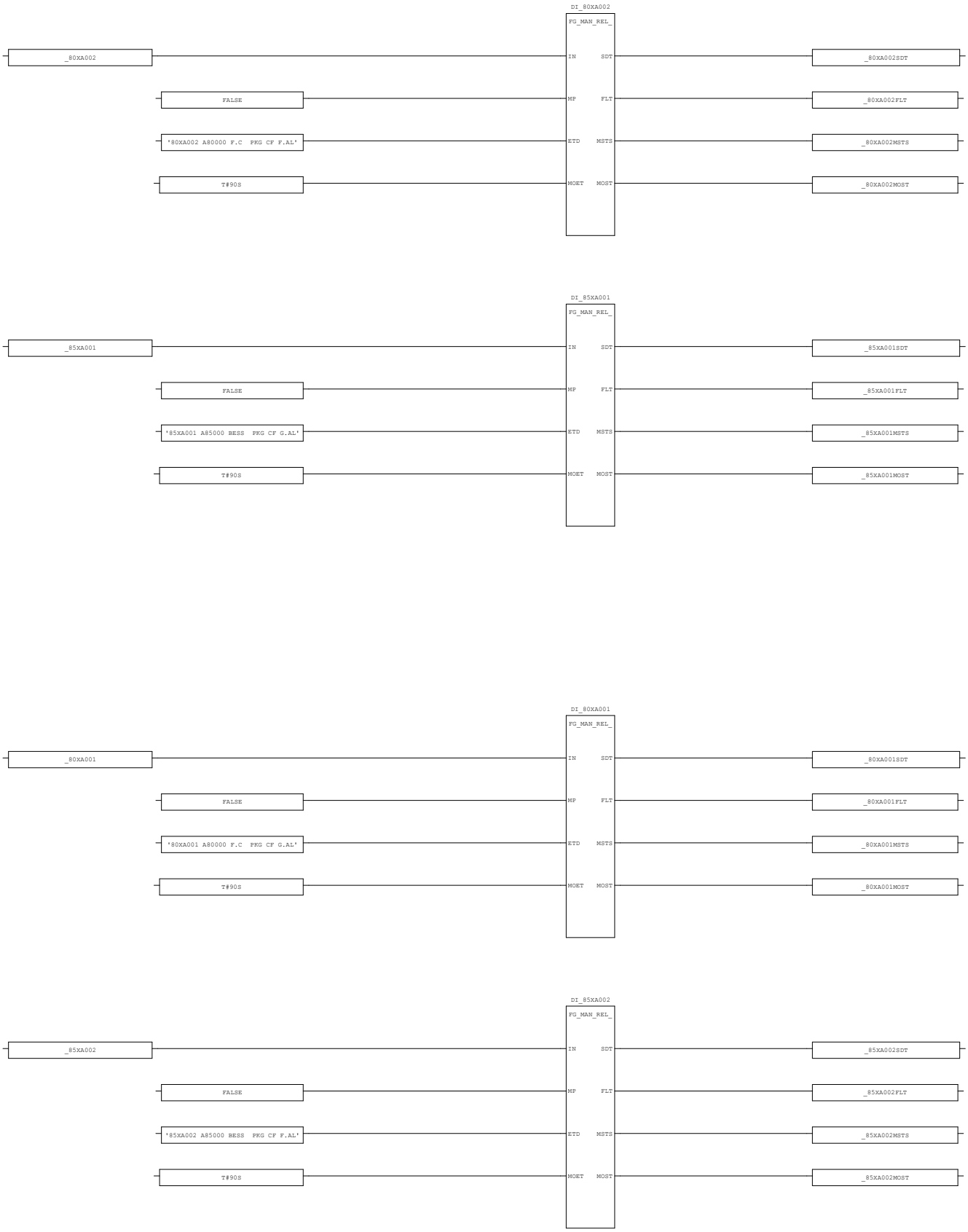

DI_77ZSL009
FG_MAN_REL_
_77ZSL009
IN
SDT
_77ZSL009SDT
FALSE
MP
FLT
_77ZSL009FLT
'77ZSL009 B300 F DAMP.AHU6 IL AIR'
ETD
MSTS
_77ZSL009MSTS
T#90S
MOET
MOST
_77ZSL009MOST


DI_77ZSL012
FG_MAN_REL_
_77ZSL012
IN
SDT
_77ZSL012SDT
FALSE
MP
FLT
_77ZSL012FLT
'77ZSL012 B400 F DAMP.AHU7 IL AIR'
ETD
MSTS
_77ZSL012MSTS
T#90S
MOET
MOST
_77ZSL012MOST

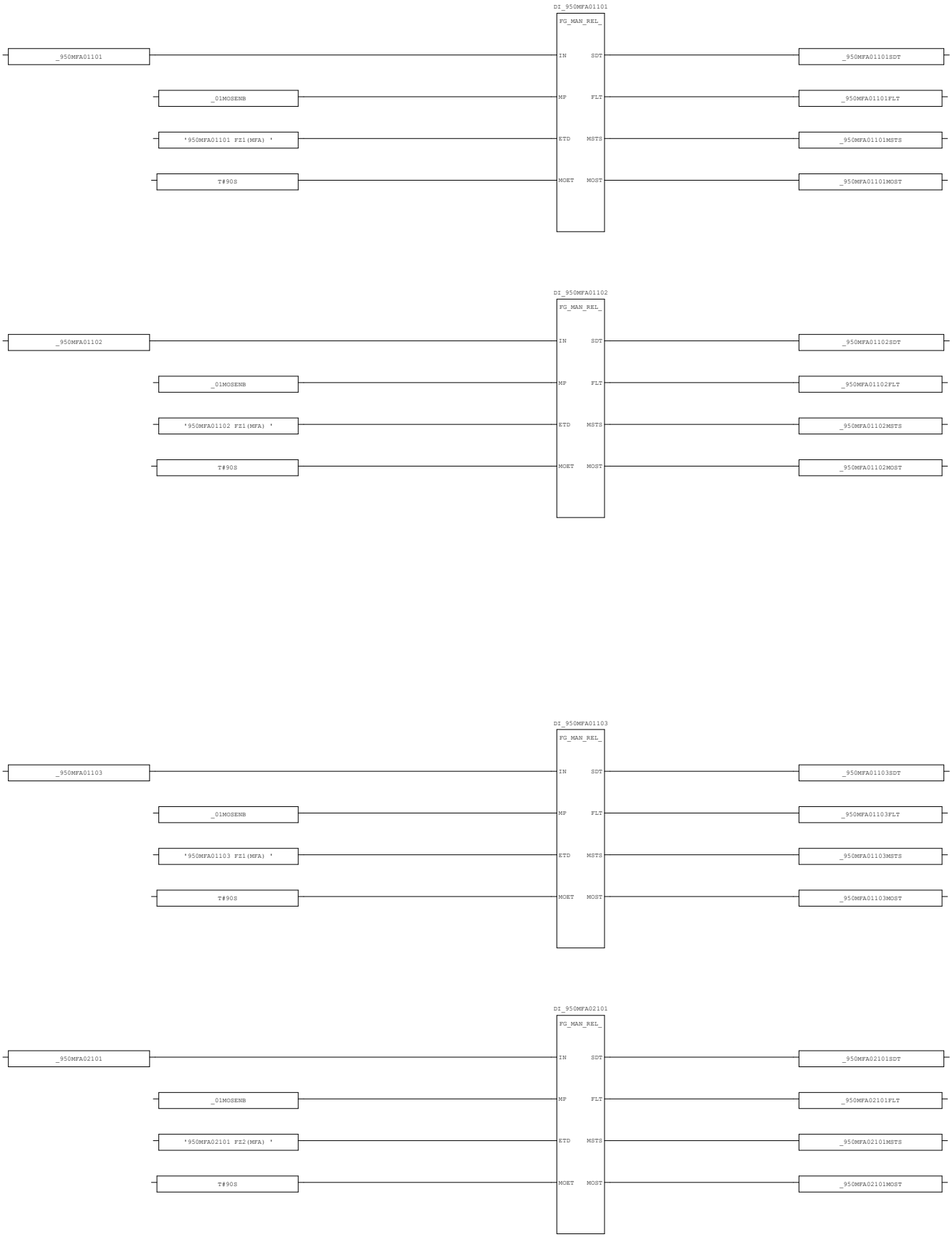

DI_77ZSL013
FG_MAN_REL_
_77ZSL013
IN
SDT
_77ZSL013SDT
FALSE
MP
FLT
_77ZSL013FLT
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MSTS
_77ZSL013MSTS
T#90S
MOET
MOST
_77ZSL013MOST

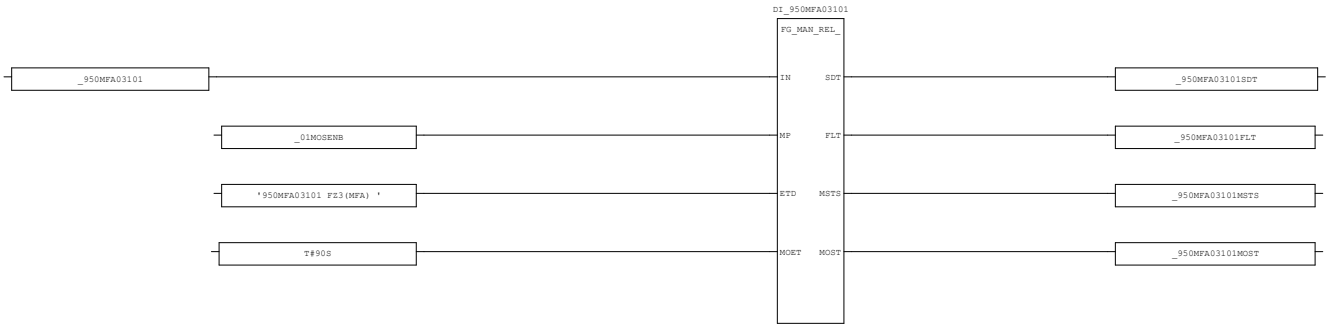

DI_77ZSL016
FG_MAN_REL_
_77ZSL016
IN
SDT
_77ZSL016SDT
FALSE
MP
FLT
_77ZSL016FLT
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ETD
MSTS
_77ZSL016MSTS
T#90S
MOET
MOST
_77ZSL016MOST

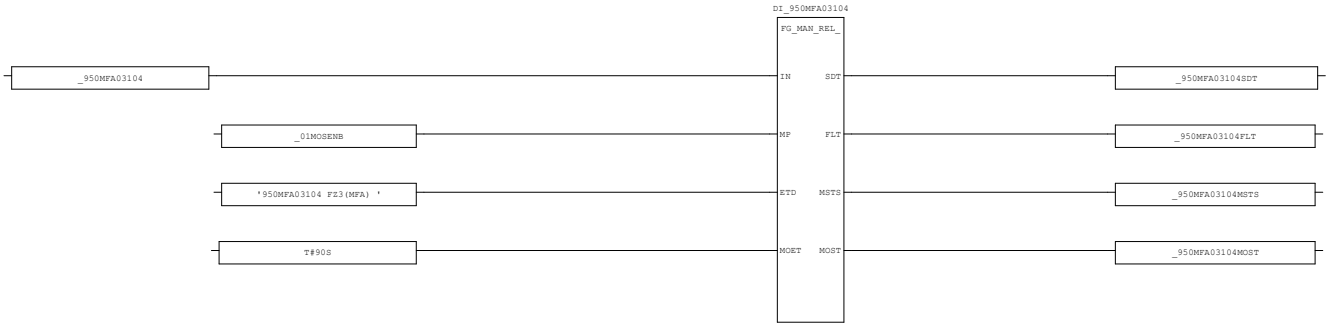
3.24. DI_03 (* Digital Input Processing *)

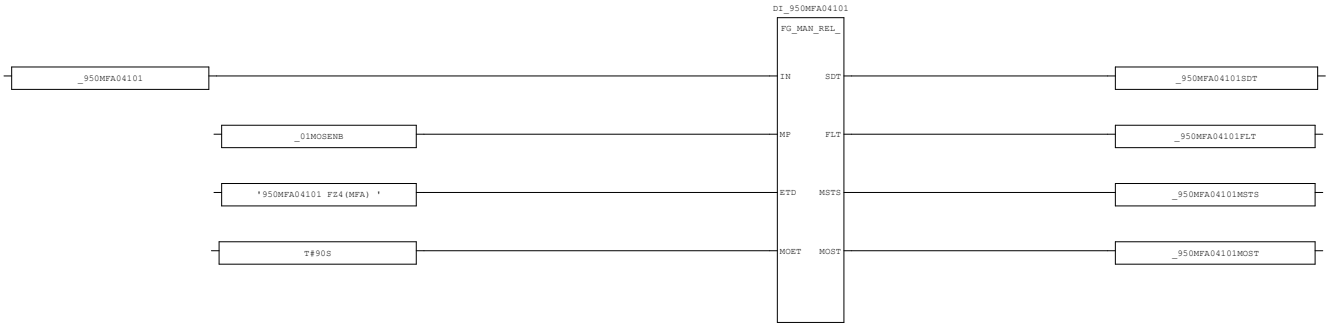


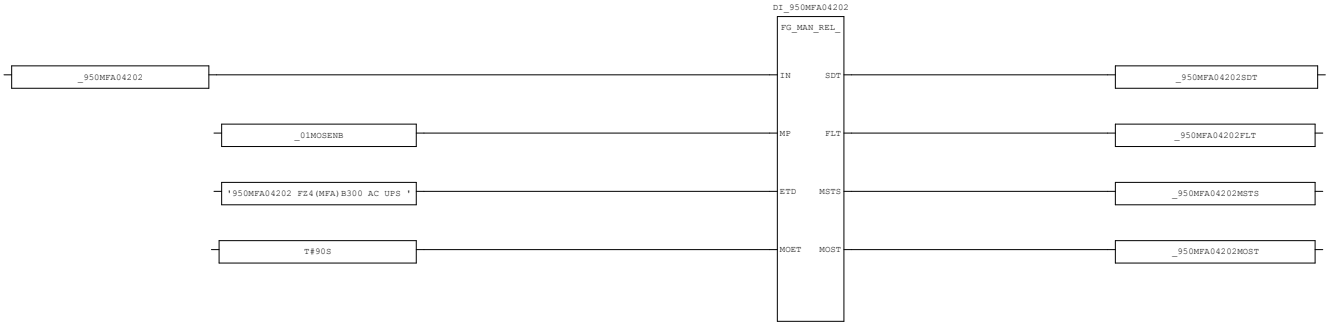
3.25. DI_04 (* Digital Input Processing *)



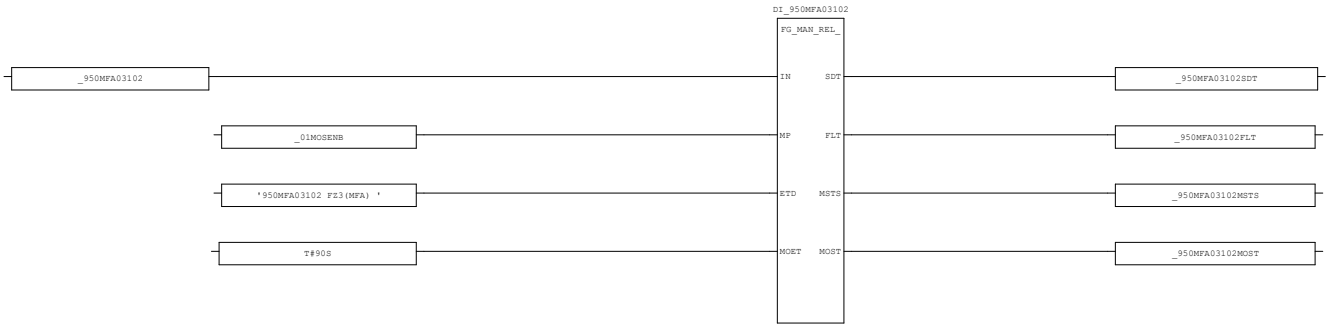


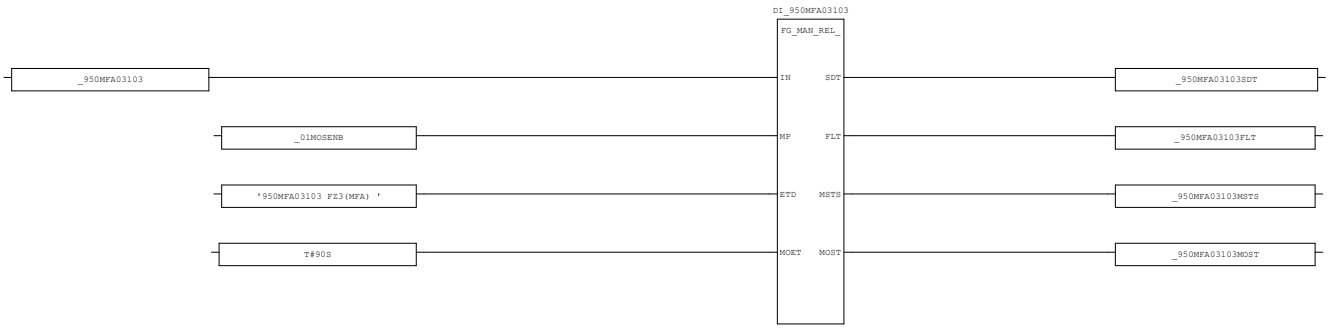


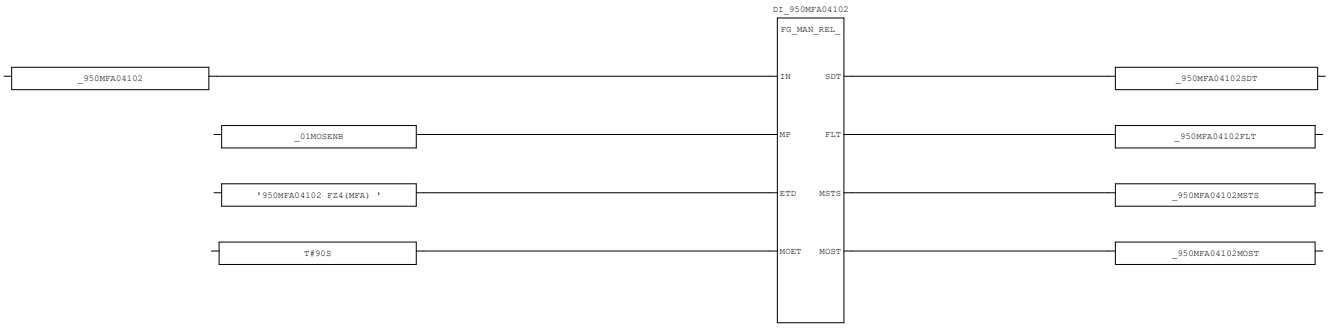


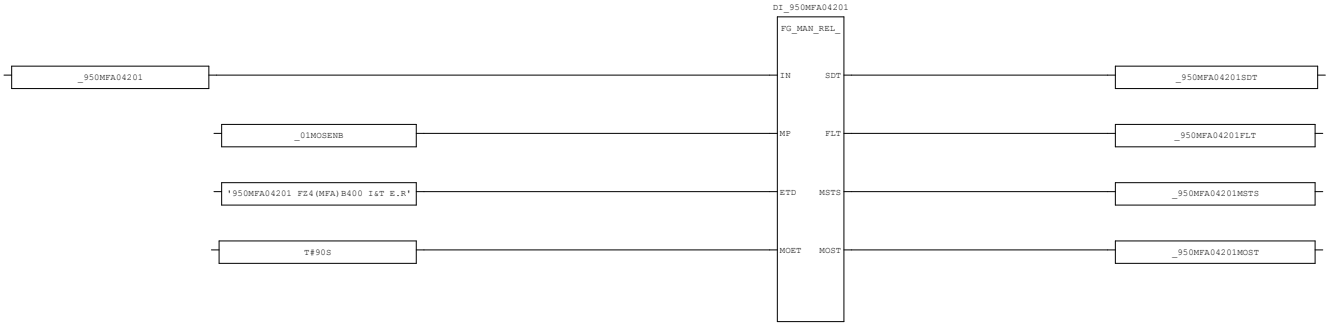


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 72
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



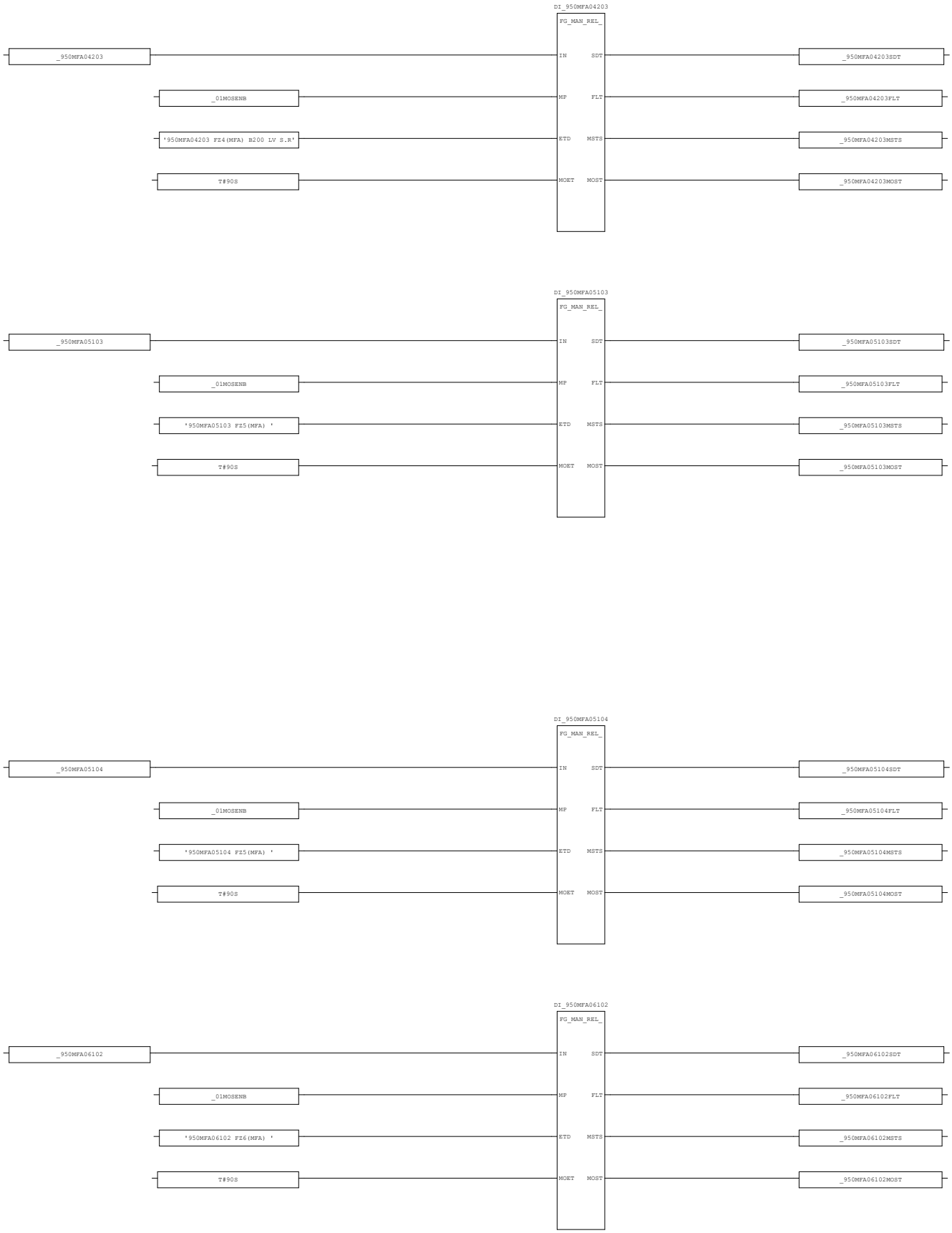


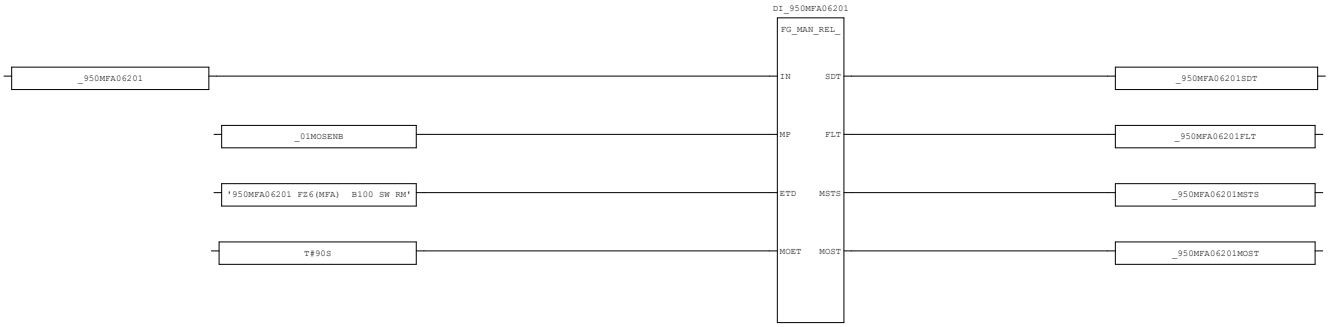


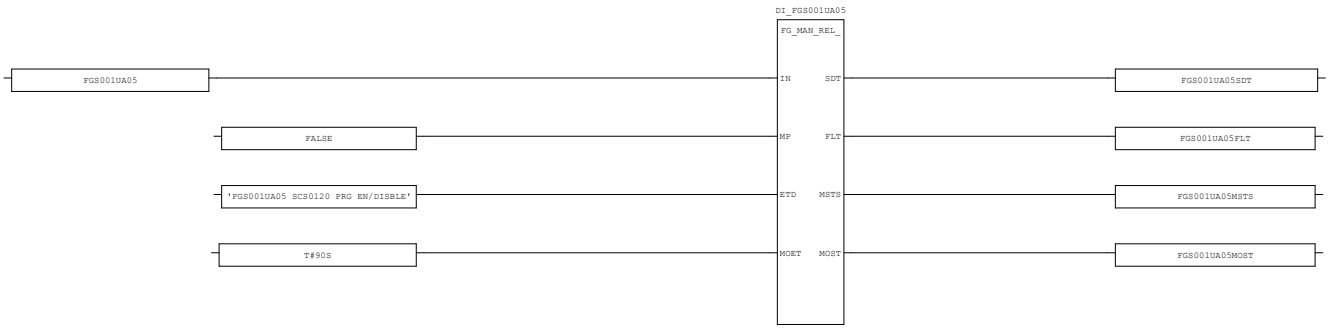


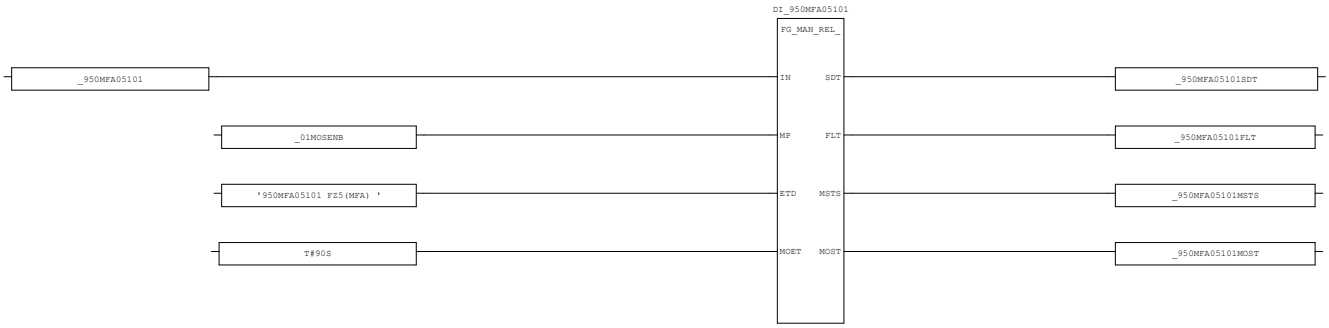
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 73
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

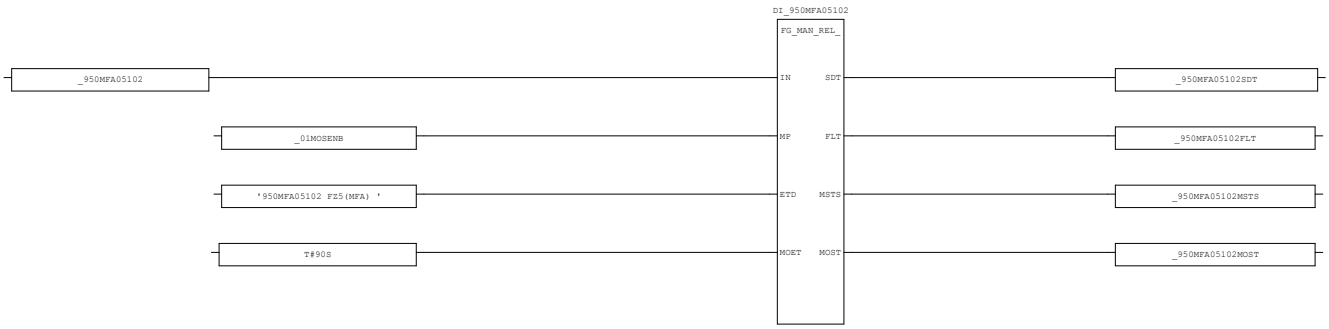
3.26. DI_05 (* Digital Input Processing *)

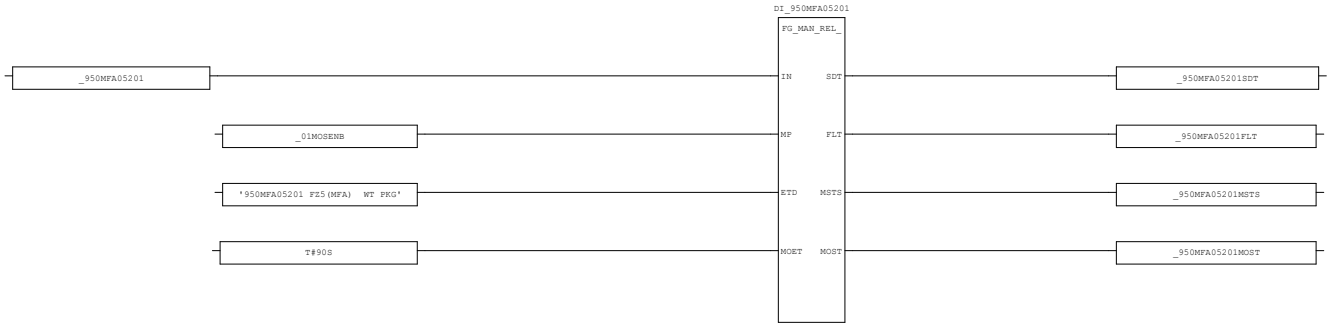


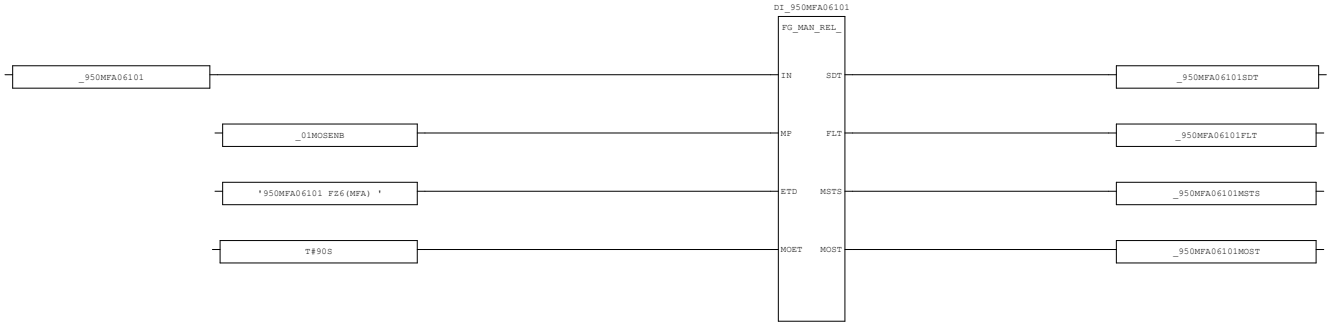

DI_950MFA06201
FG_MAN_REL_
_950MFA06201
IN
SDT
_950MFA06201SDT
_01MOSENB
MP
FLT
_950MFA06201FLT
'950MFA06201 FZ6(MFA) B100 SW RM'
ETD
MSTS
_950MFA06201MSTS
T#90S
MOET
MOST
_950MFA06201MOST

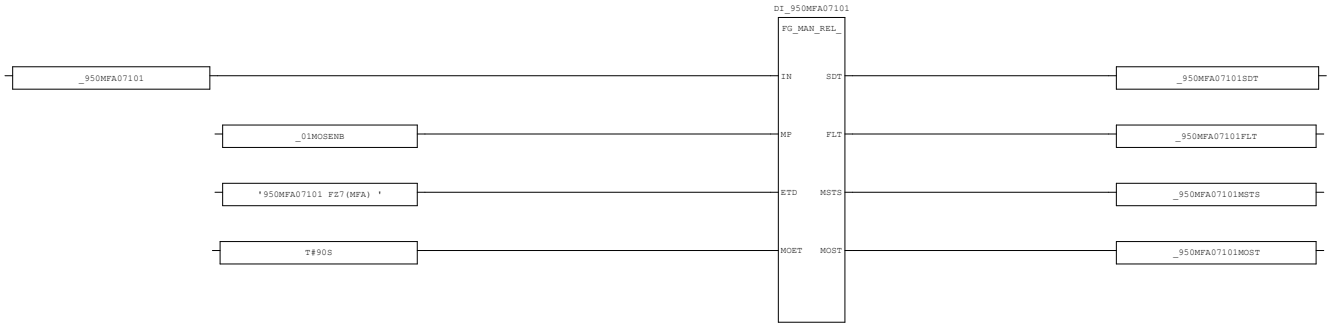

DI_FGS001UA05
FG_MAN_REL_
FGS001UA05
IN
SDT
FGS001UA05SDT
FALSE
MP
FLT
FGS001UA05FLT
'FGS001UA05 SCS0120 PRG EN/DISBLE'
ETD
MSTS
FGS001UA05MSTS
T#90S
MOET
MOST
FGS001UA05MOST


DI_950MFA05101
FG_MAN_REL_
_950MFA05101
IN
SDT
_950MFA05101SDT
_01MOSENB
MP
FLT
_950MFA05101FLT
'950MFA05101 FZ5(MFA) '
ETD
MSTS
_950MFA05101MSTS
T#90S
MOET
MOST
_950MFA05101MOST

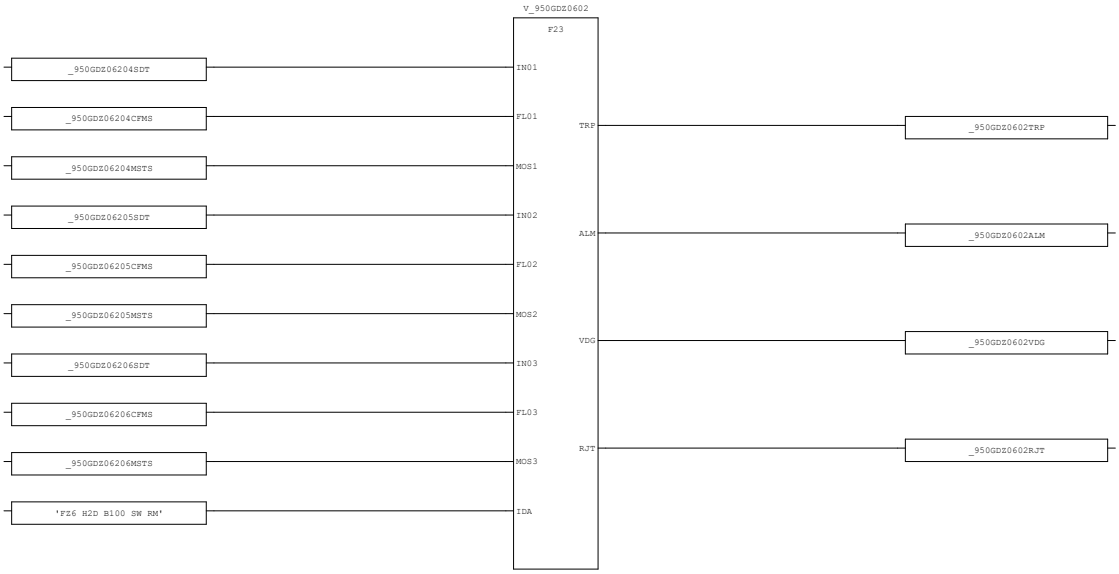

DI_950MFA05102
FG_MAN_REL_
_950MFA05102
IN
SDT
_950MFA05102SDT
_01MOSENB
MP
FLT
_950MFA05102FLT
'950MFA05102 FZ5(MFA) '
ETD
MSTS
_950MFA05102MSTS
T#90S
MOET
MOST
_950MFA05102MOST

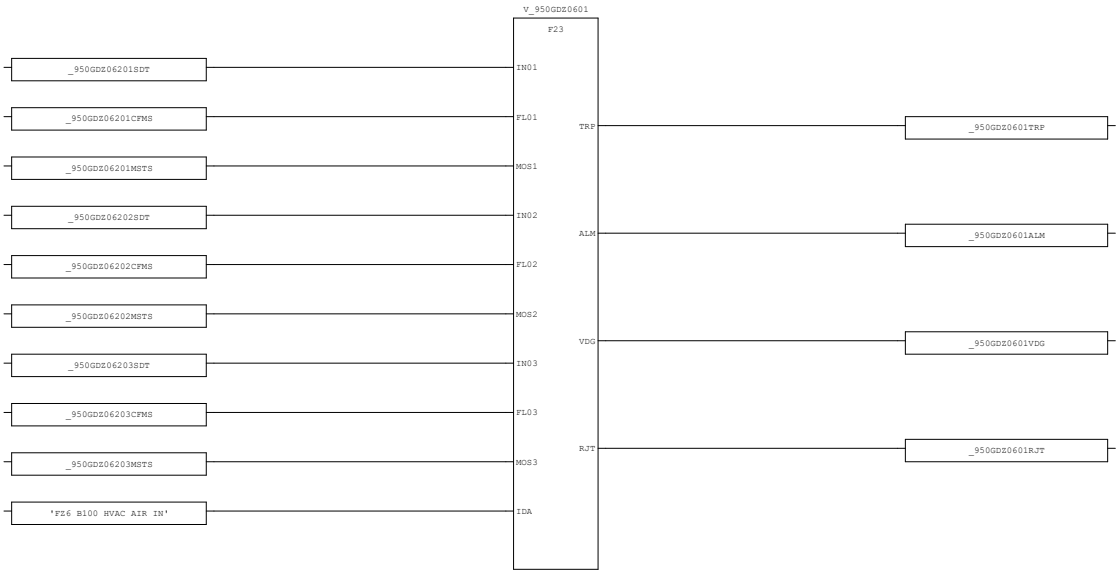

DI_950MFA05201
FG_MAN_REL_
_950MFA05201
IN
SDT
_950MFA05201SDT
_01MOSENB
MP
FLT
_950MFA05201FLT
'950MFA05201 FZ5(MFA) WT PKG'
ETD
MSTS
_950MFA05201MSTS
T#90S
MOET
MOST
_950MFA05201MOST

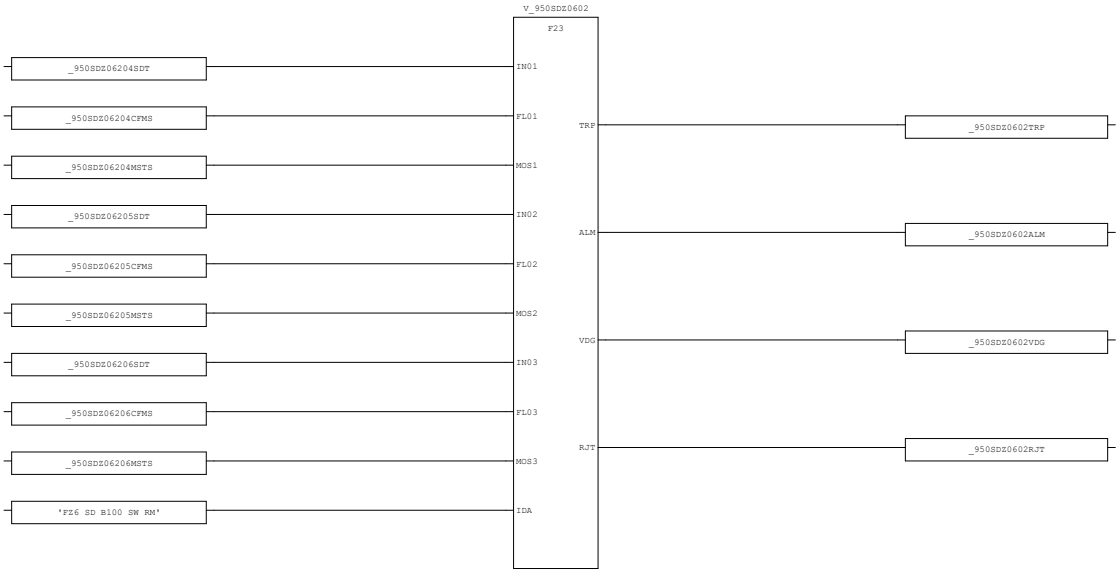

DI_950MFA06101
FG_MAN_REL_
_950MFA06101
IN
SDT
_950MFA06101SDT
_01MOSENB
MP
FLT
_950MFA06101FLT
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ETD
MSTS
_950MFA06101MSTS
T#90S
MOET
MOST
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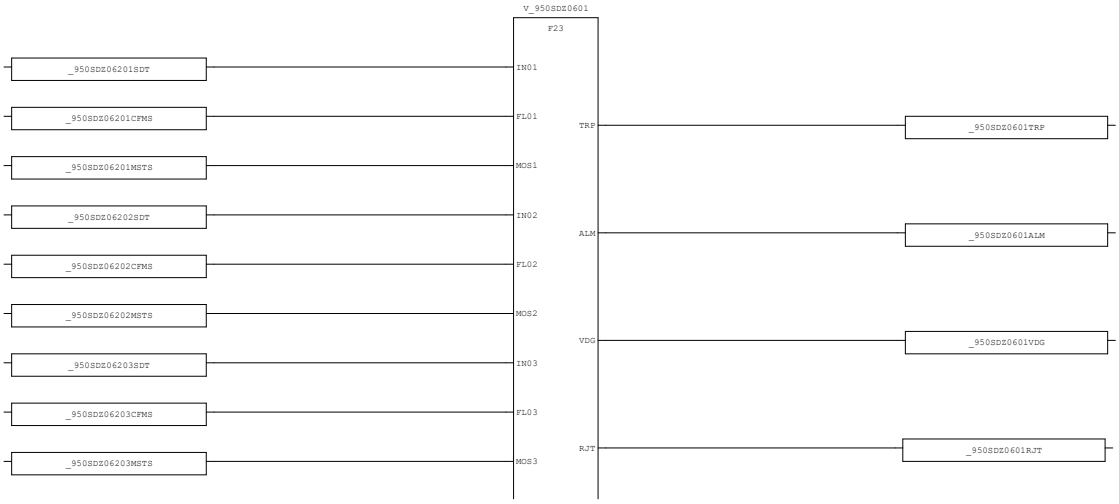

DI_950MFA07101
FG_MAN_REL_
_950MFA07101
IN
SDT
_950MFA07101SDT
_01MOSENB
MP
FLT
_950MFA07101FLT
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ETD
MSTS
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T#90S
MOET
MOST
_950MFA07101MOST

3.27. V2oo3_01 (* Analog Input-Voting 2oo3 *)

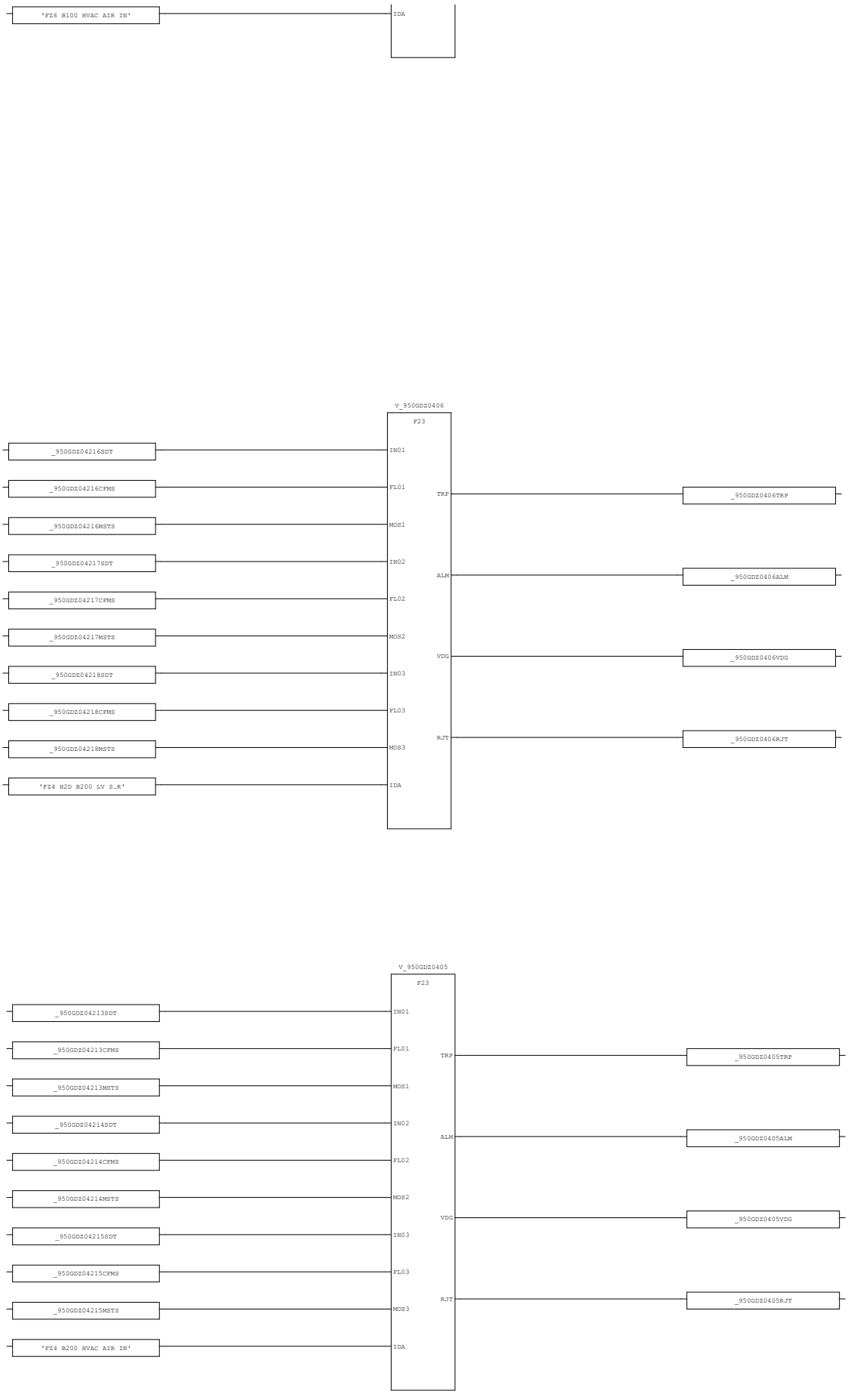




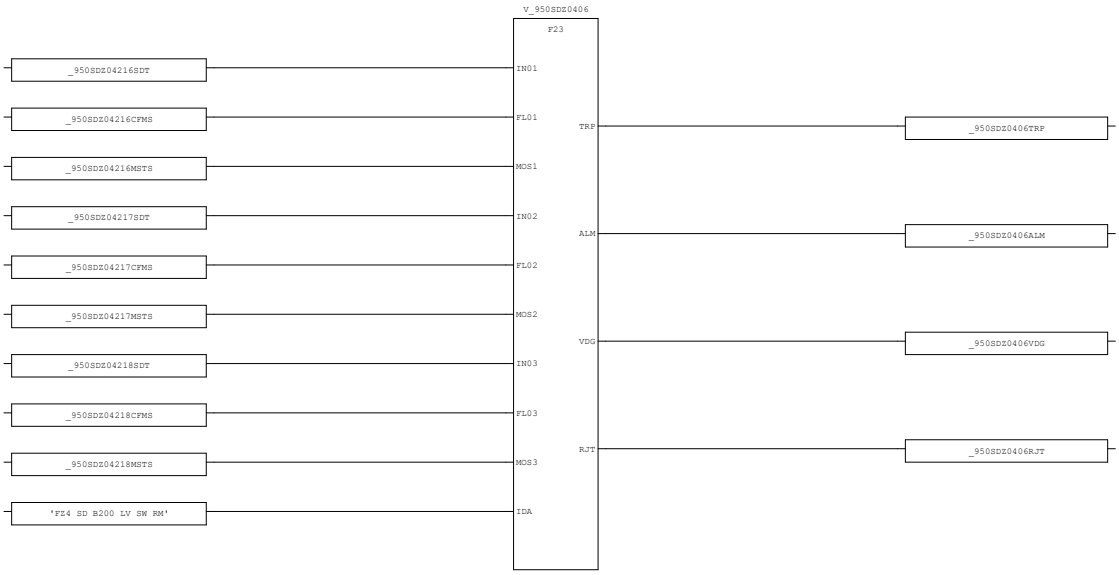


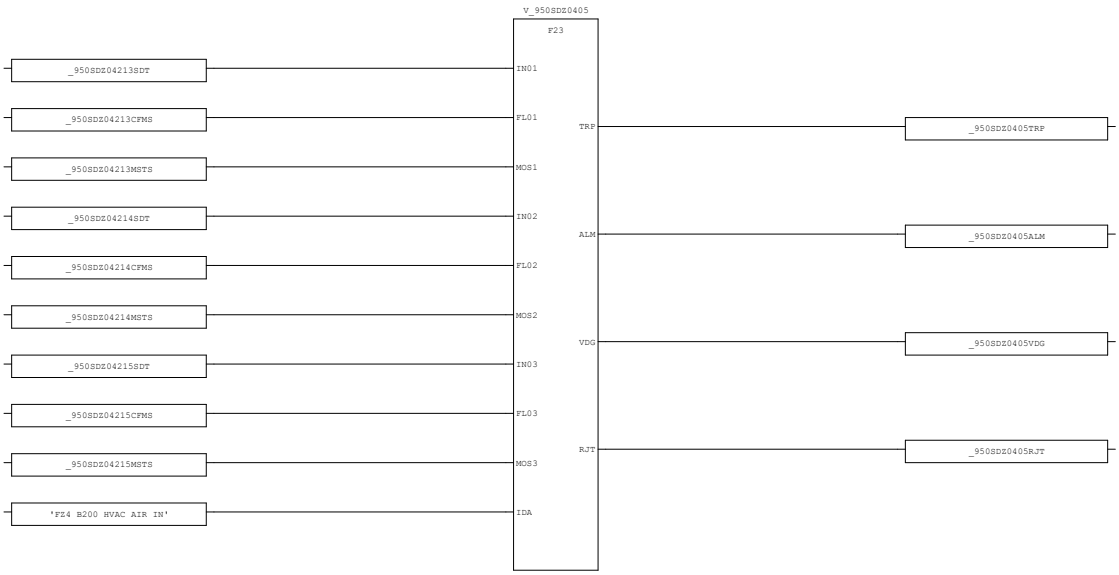


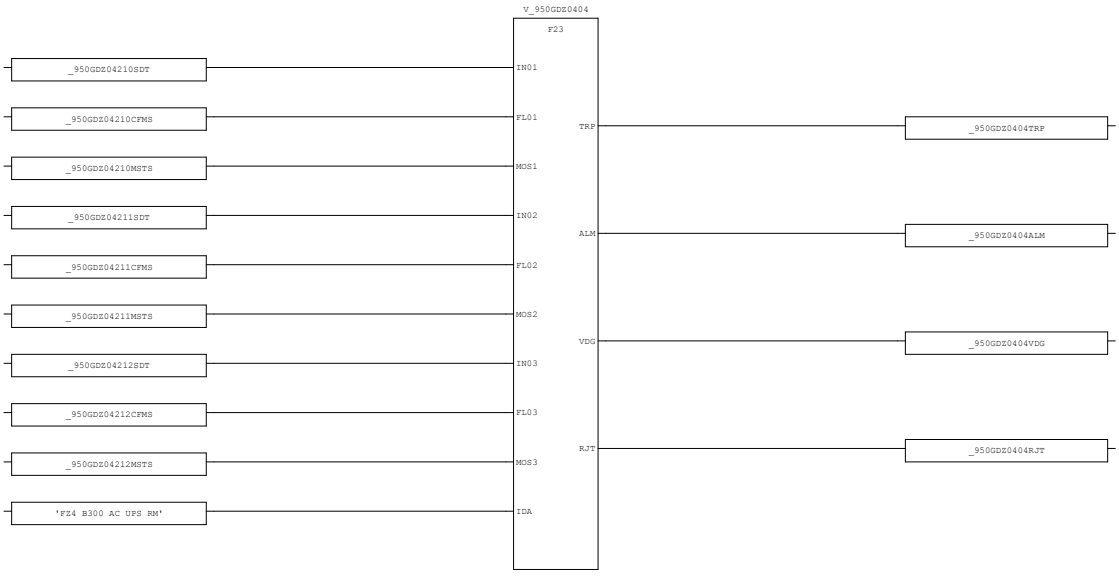
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 78
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 192
				REVISION:	5.3		

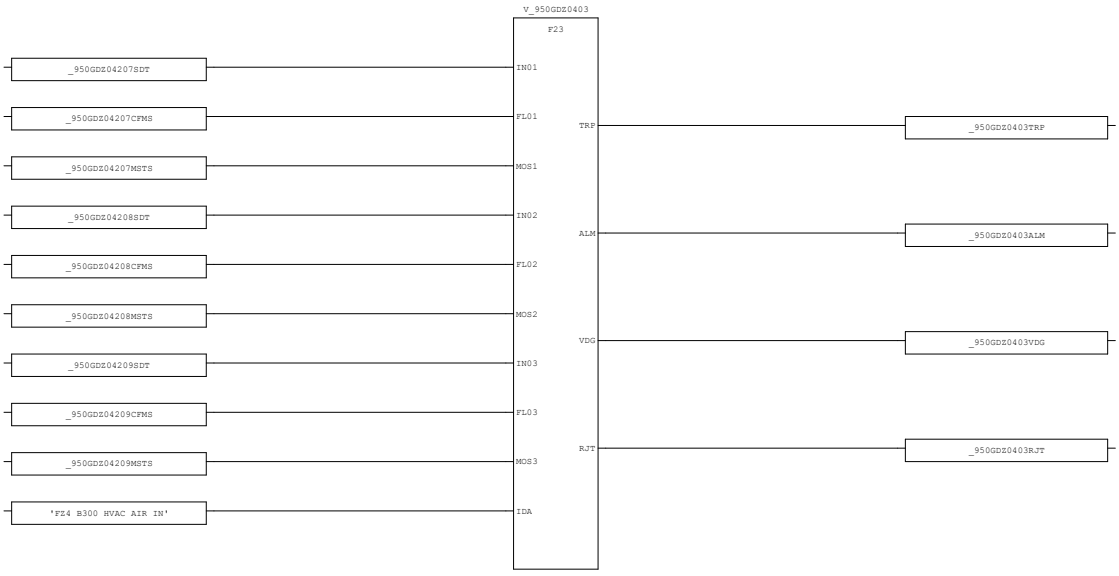


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 79
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

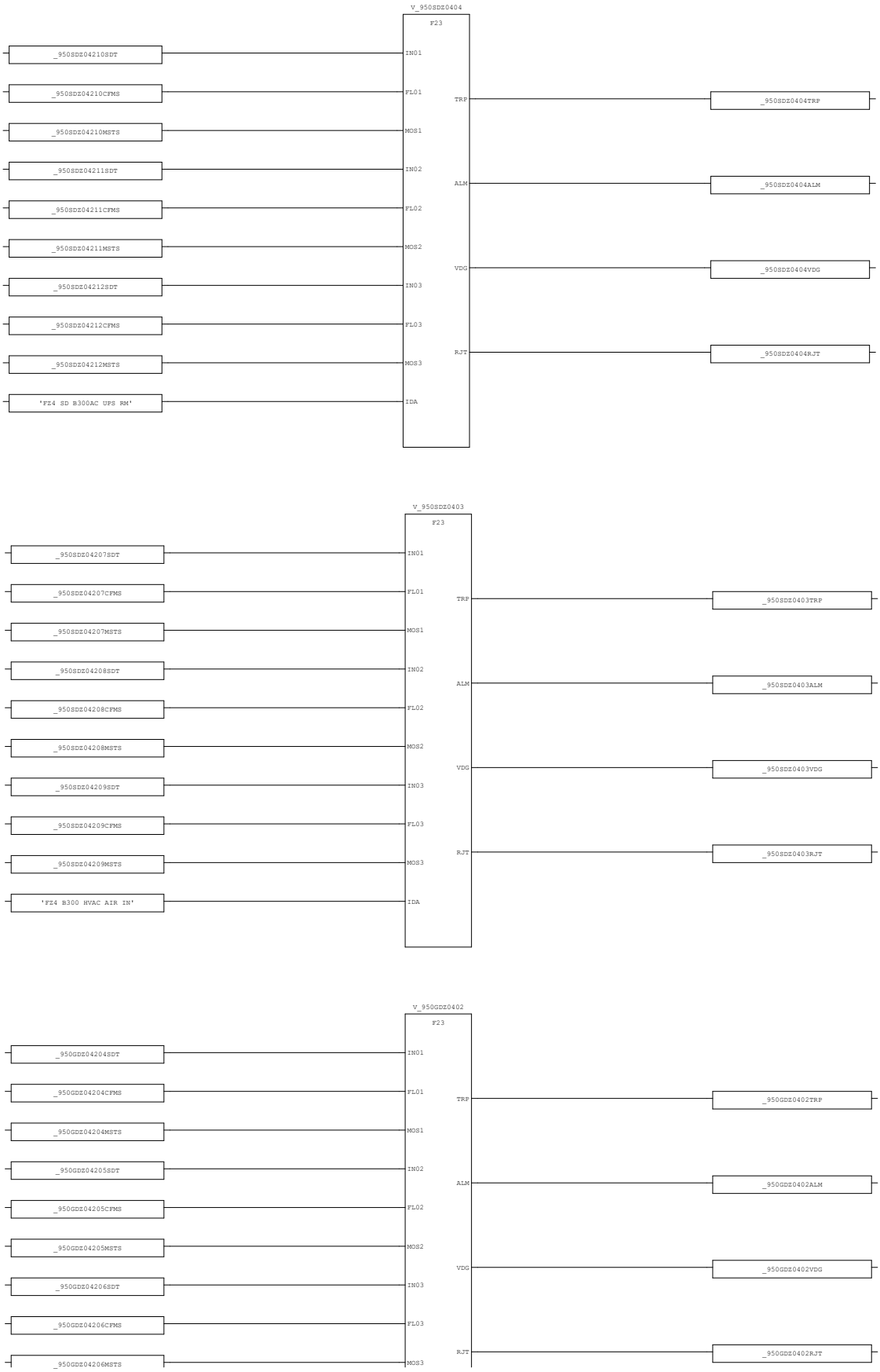

V_950SDZ0406
F23
_950SDZ04216SDT
_950SDZ04216CFMS
_950SDZ04216MSTS
_950SDZ04217SDT
_950SDZ04217CFMS
_950SDZ04217MSTS
_950SDZ04218SDT
_950SDZ04218CFMS
_950SDZ04218MSTS
'FZ4 SD B200 LV SW RM'
IN01
FL01
MOS1
IN02
FL02
MOS2
IN03
FL03
MOS3
IDA
TRF
ALM
VDG
RJT
_950SDZ0406TRF
_950SDZ0406ALM
_950SDZ0406VDG
_950SDZ0406RJT

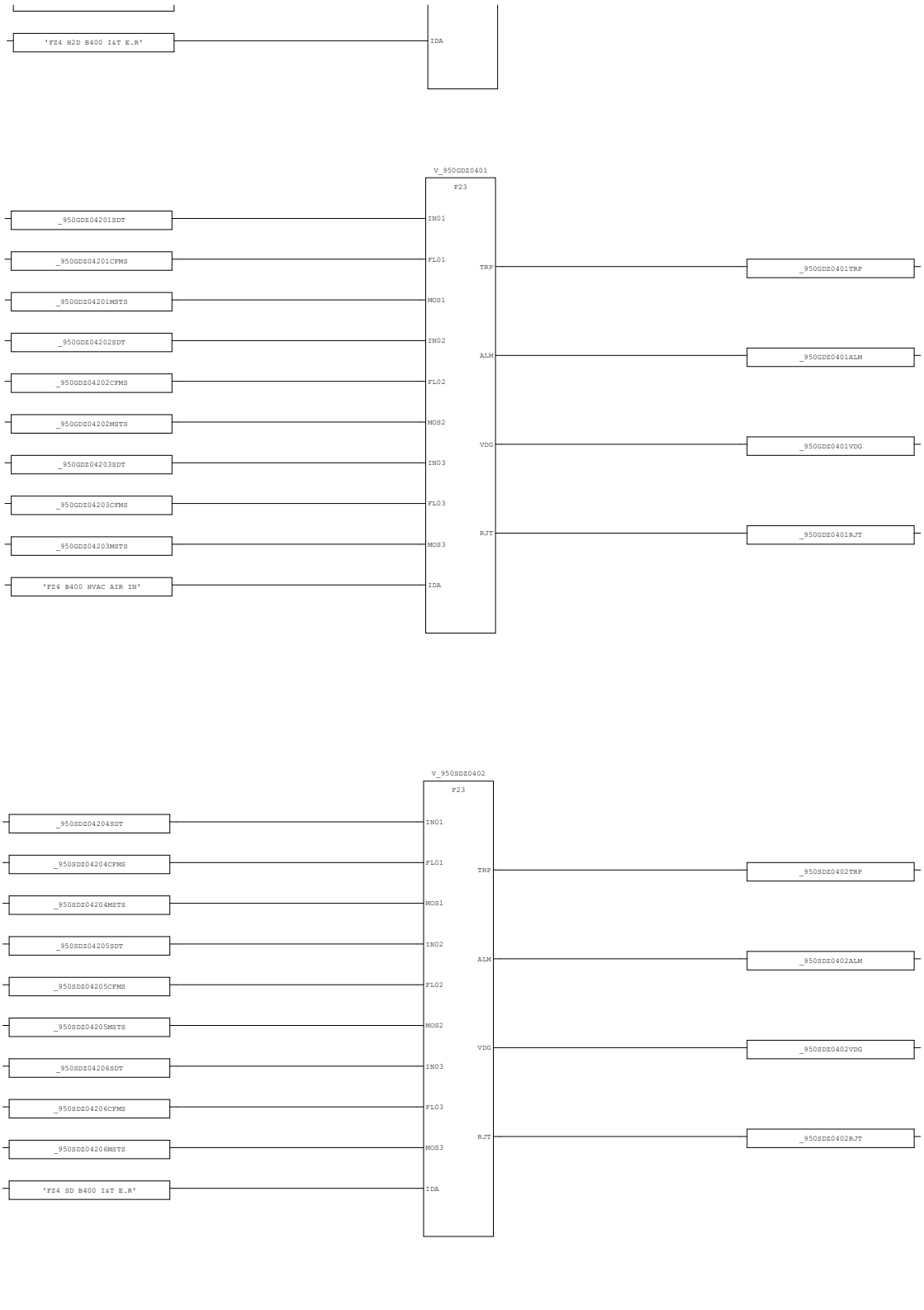

V_950SDZ0405
F23
_950SDZ04213SDT
_950SDZ04213CFMS
_950SDZ04213MSTS
_950SDZ04214SDT
_950SDZ04214CFMS
_950SDZ04214MSTS
_950SDZ04215SDT
_950SDZ04215CFMS
_950SDZ04215MSTS
'FZ4 B200 HVAC AIR IN'
IN01
FL01
MOS1
IN02
FL02
MOS2
IN03
FL03
MOS3
IDA
TRF
ALM
VDG
RJT
_950SDZ0405TRF
_950SDZ0405ALM
_950SDZ0405VDG
_950SDZ0405RJT


V_950GDZ0404
F23
_950GDZ04210SDT
_950GDZ04210CFMS
_950GDZ04210MSTS
_950GDZ04211SDT
_950GDZ04211CFMS
_950GDZ04211MSTS
_950GDZ04212SDT
_950GDZ04212CFMS
_950GDZ04212MSTS
'FZ4 B300 AC UPS RM'
IN01
FL01
MOS1
IN02
FL02
MOS2
IN03
FL03
MOS3
IDA
TRP
ALM
VDG
RJT
_950GDZ0404TRP
_950GDZ0404ALM
_950GDZ0404VDG
_950GDZ0404RJT

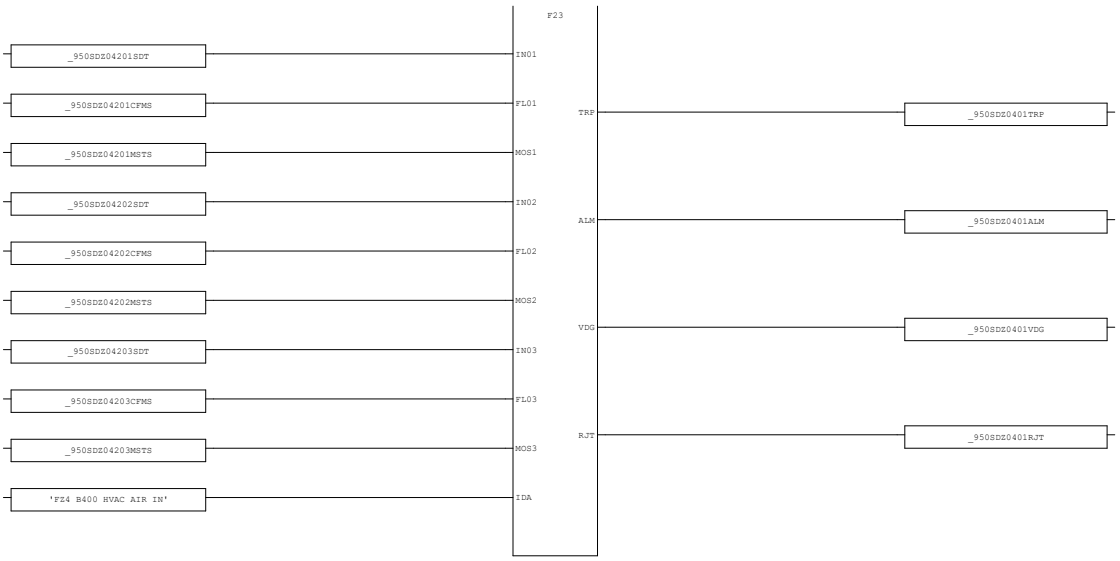

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F23
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_950GDZ04207CFMS
_950GDZ04207MSTS
_950GDZ04208SDT
_950GDZ04208CFMS
_950GDZ04208MSTS
_950GDZ04209SDT
_950GDZ04209CFMS
_950GDZ04209MSTS
'FZ4 B300 HVAC AIR IN'
IN01
FL01
MOS1
IN02
FL02
MOS2
IN03
FL03
MOS3
IDA
TRP
ALM
VDG
RJT
_950GDZ0403TRP
_950GDZ0403ALM
_950GDZ0403VDG
_950GDZ0403RJT

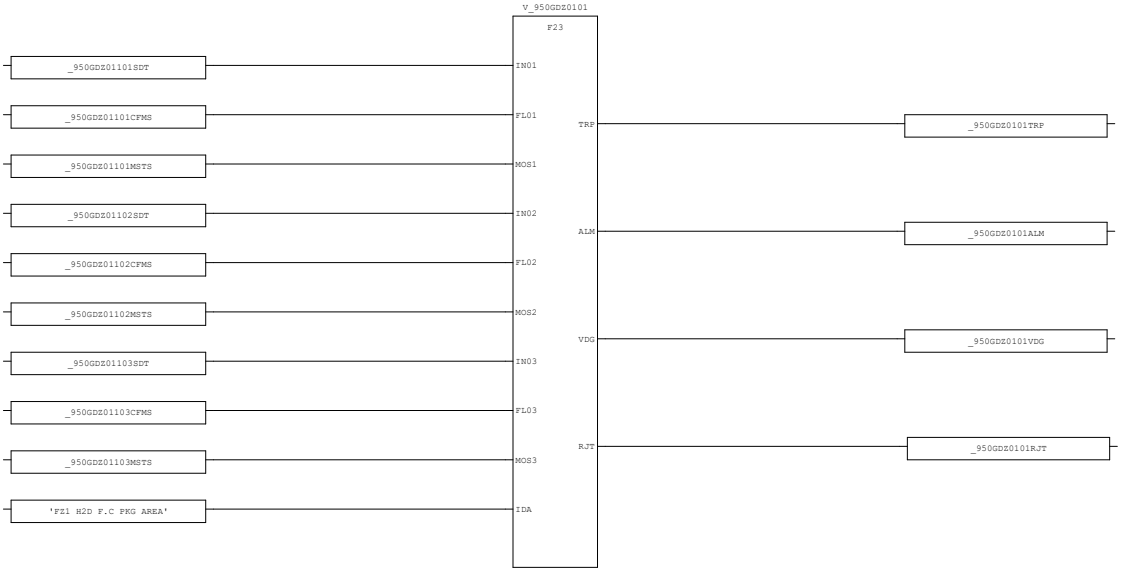
3.28. V2oo3_02 (* Analog Input-Voting 2oo3 *)

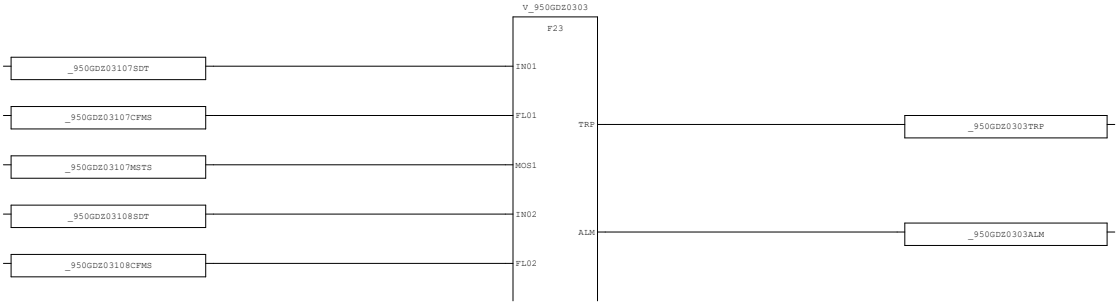


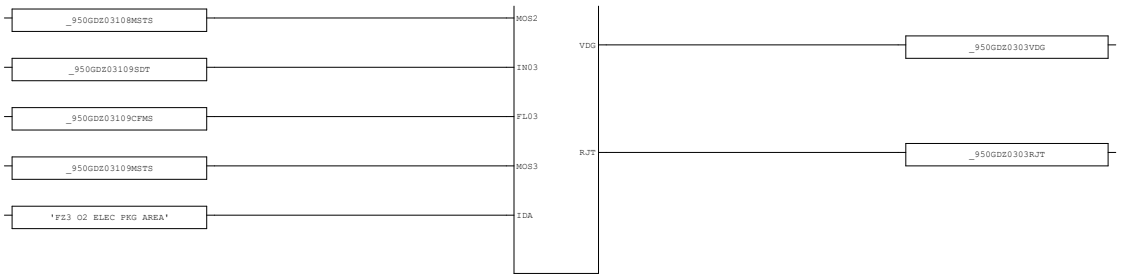


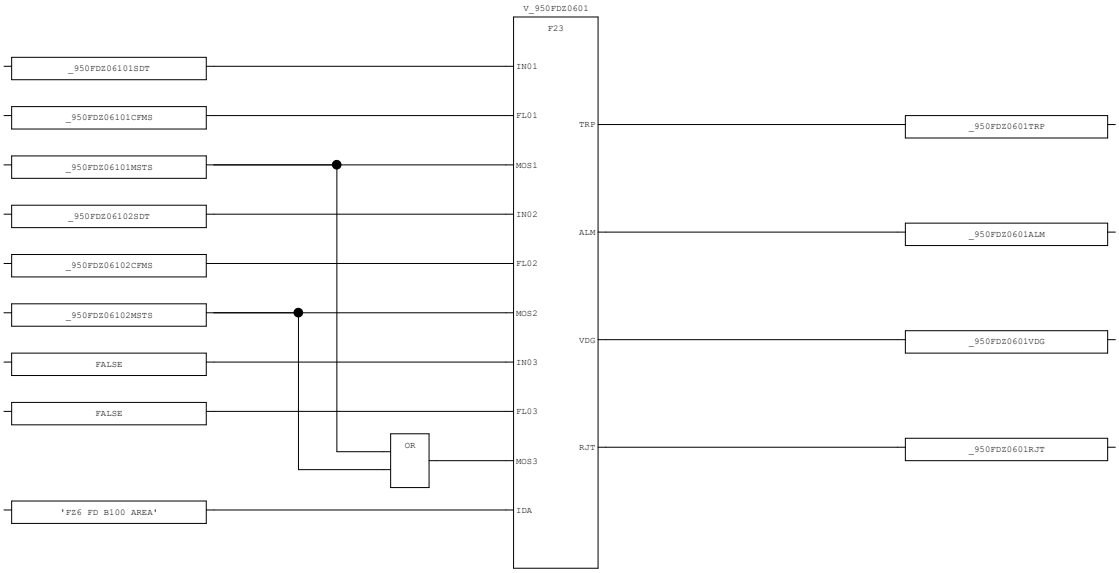
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 83
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		


F23
_950SDZ04201SDT
IN01
_950SDZ04201CFMS
FL01
_950SDZ04201MSTS
MOS1
_950SDZ04202SDT
IN02
_950SDZ04202CFMS
FL02
_950SDZ04202MSTS
MOS2
_950SDZ04203SDT
IN03
_950SDZ04203CFMS
FL03
_950SDZ04203MSTS
MOS3
'FZ4 B400 HVAC AIR IN'
IDA
TRP
_950SDZ0401TRP
ALM
_950SDZ0401ALM
VDG
_950SDZ0401VDG
RJT
_950SDZ0401RJT


V_950GDZ0101
F23
_950GDZ01101SDT
IN01
_950GDZ01101CFMS
FL01
_950GDZ01101MSTS
MOS1
_950GDZ01102SDT
IN02
_950GDZ01102CFMS
FL02
_950GDZ01102MSTS
MOS2
_950GDZ01103SDT
IN03
_950GDZ01103CFMS
FL03
_950GDZ01103MSTS
MOS3
'FZ1 H2D F.C PKG AREA'
IDA
TRP
_950GDZ0101TRP
ALM
_950GDZ0101ALM
VDG
_950GDZ0101VDG
RJT
_950GDZ0101RJT

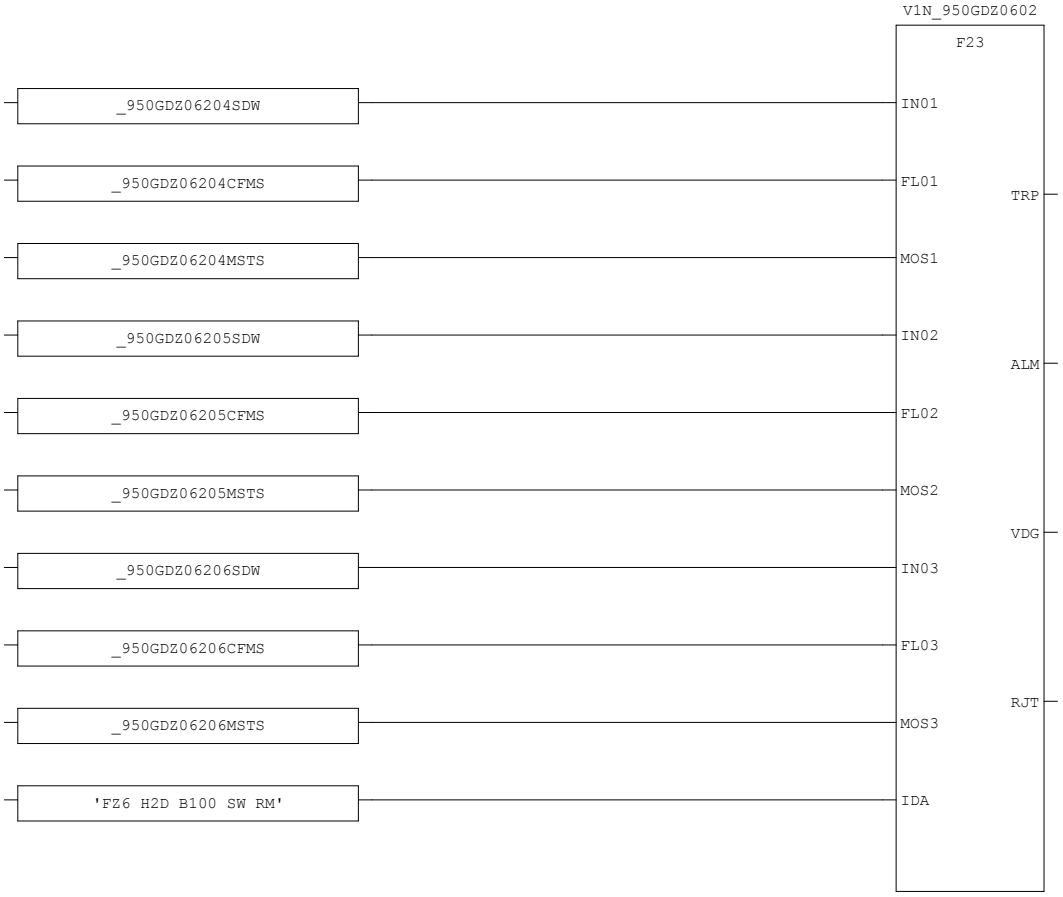

V_950GDZ0303
F23
_950GDZ03107SDT
IN01
_950GDZ03107CFMS
FL01
_950GDZ03107MSTS
MOS1
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ALM
_950GDZ0303ALM



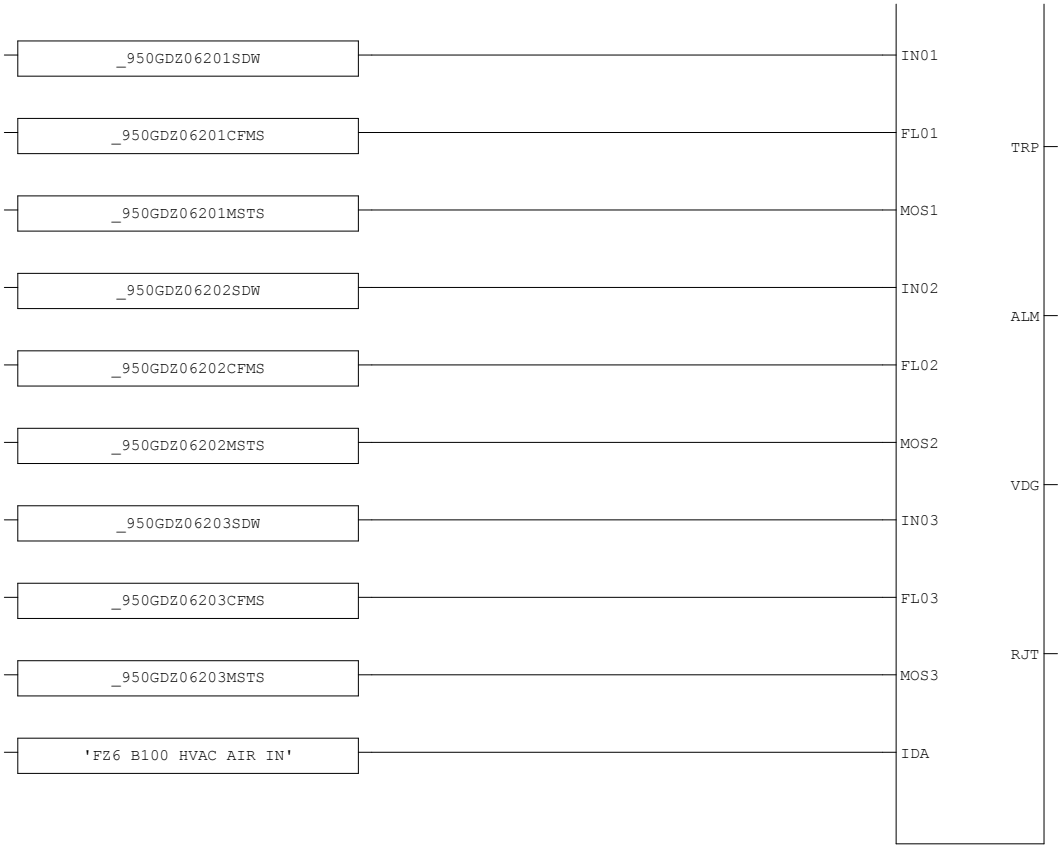


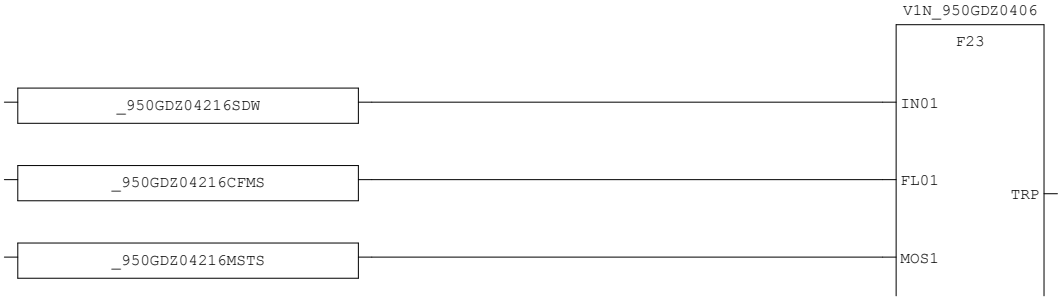
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 85
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.29. V1oo3_01 (* Analog Input-Voting 1oo3 *)

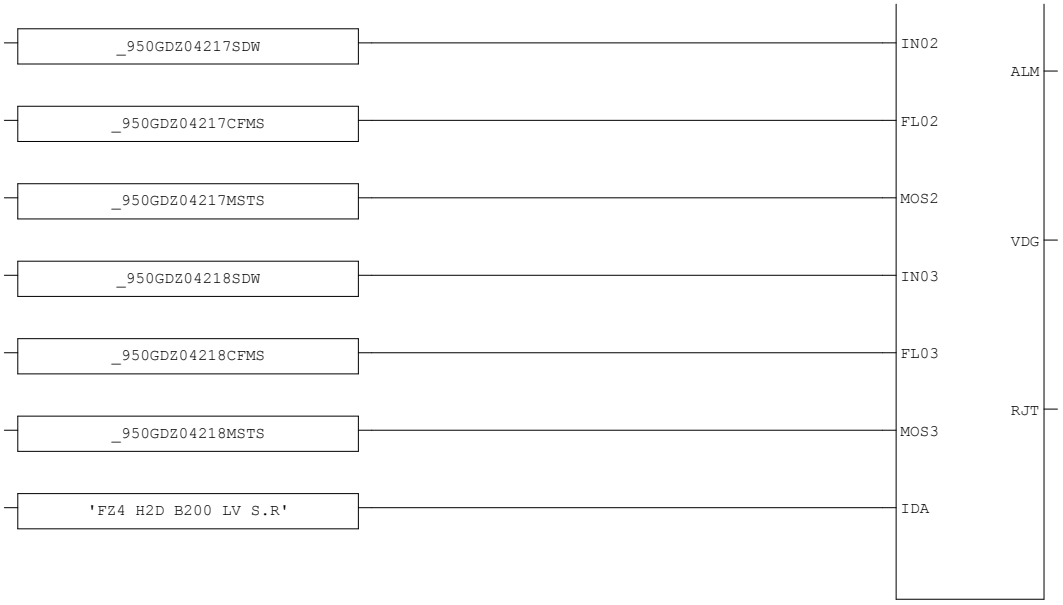


V1N_950GDZ0601
F23



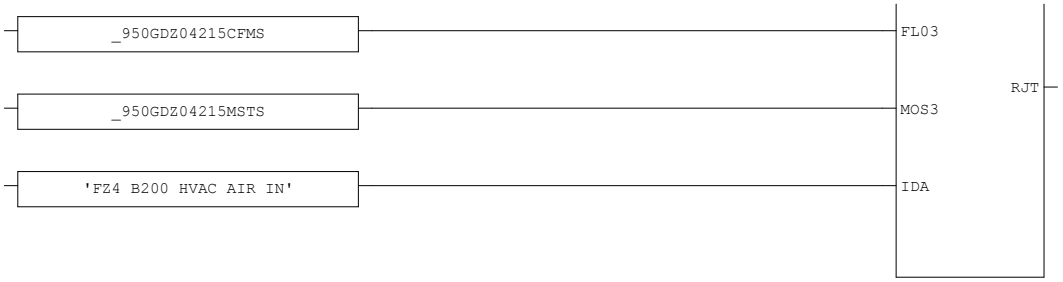


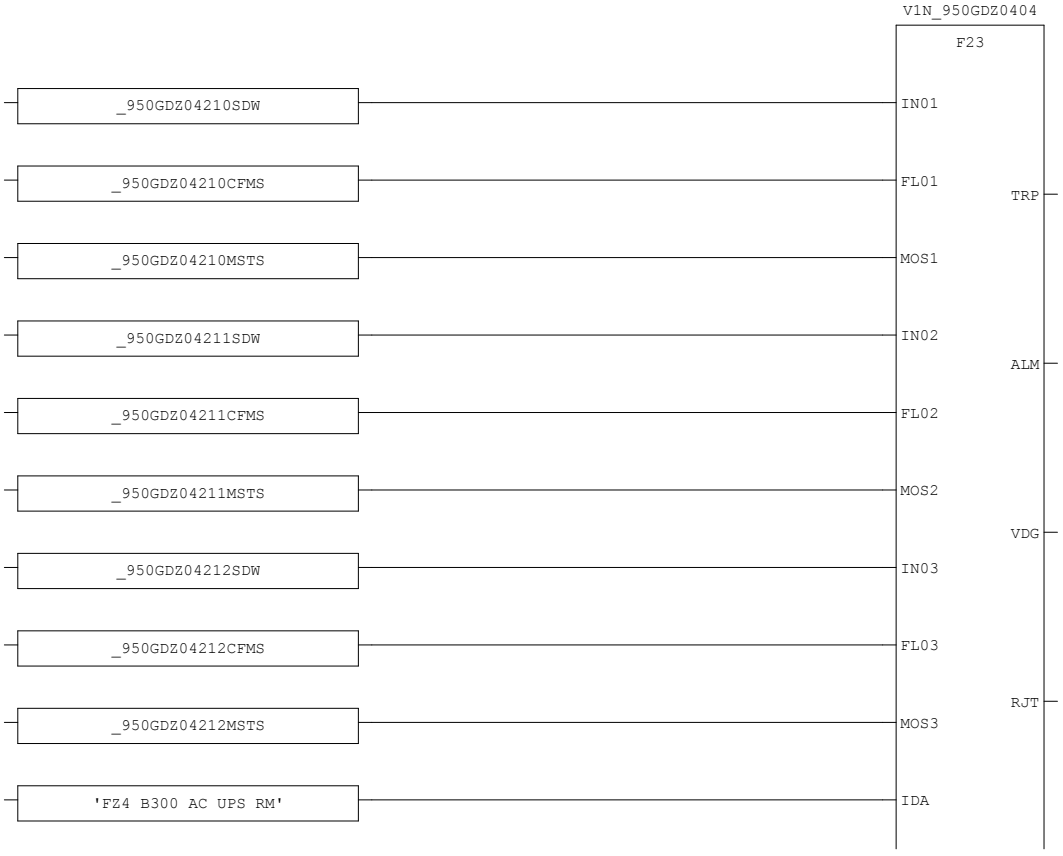
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 87
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192



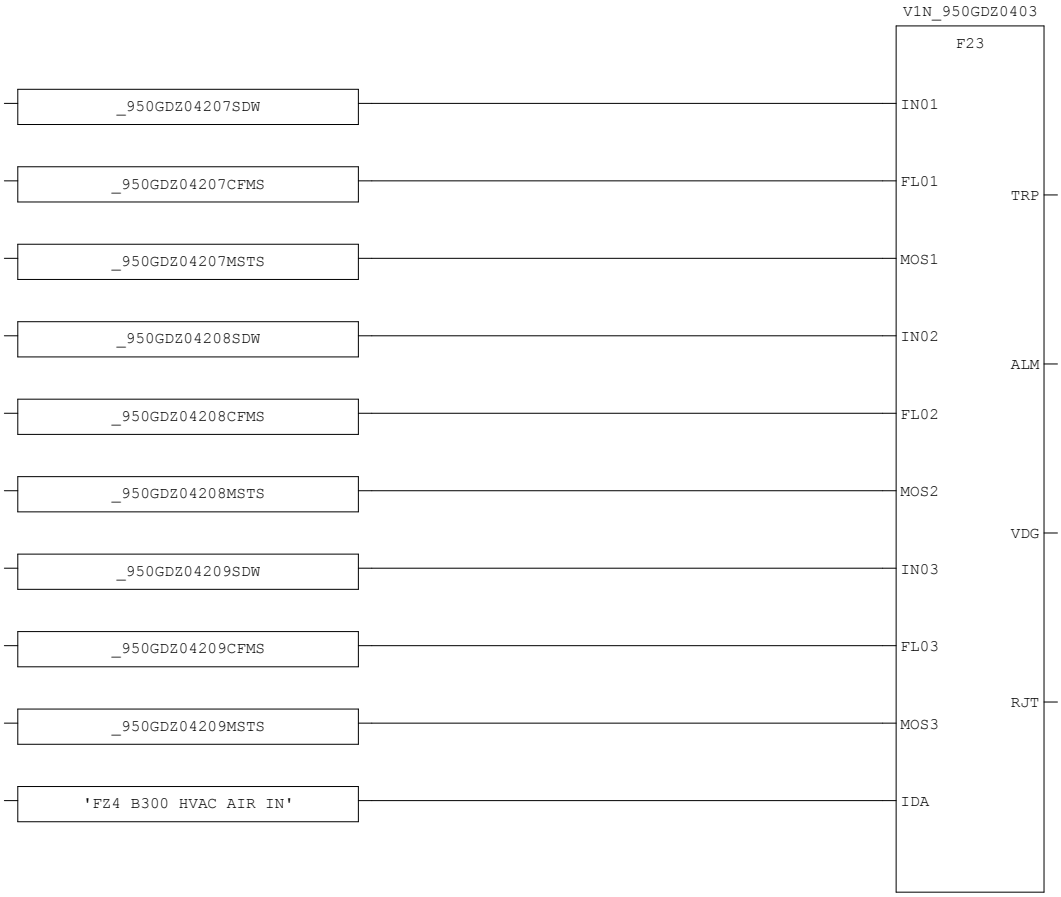


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 88
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192



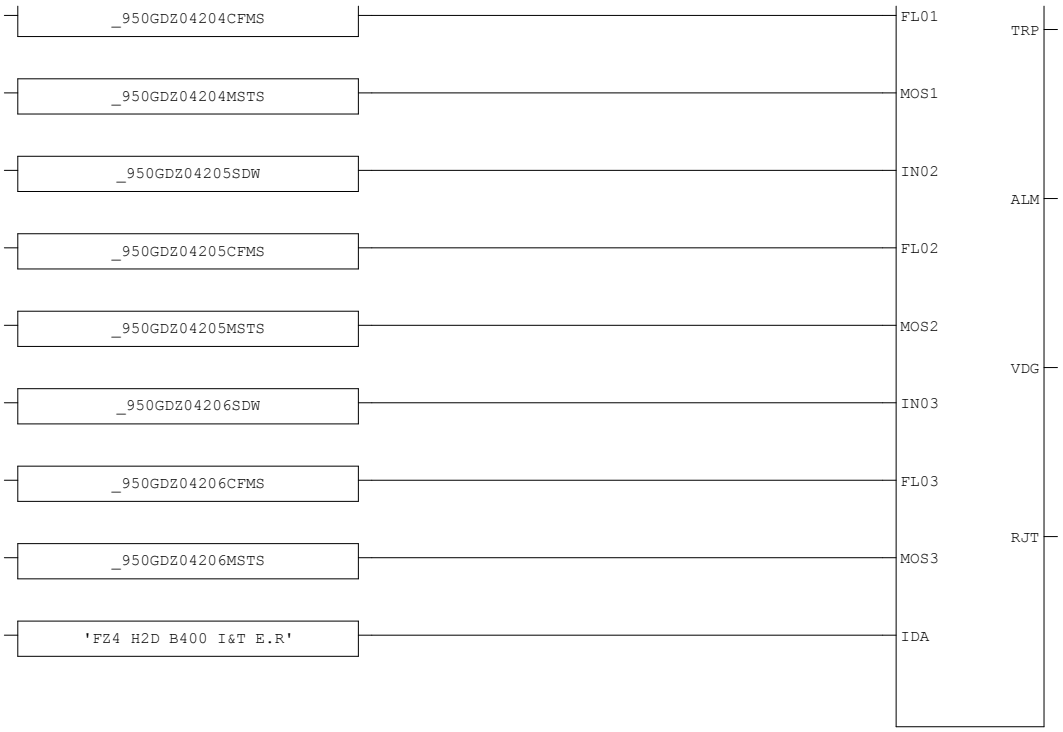


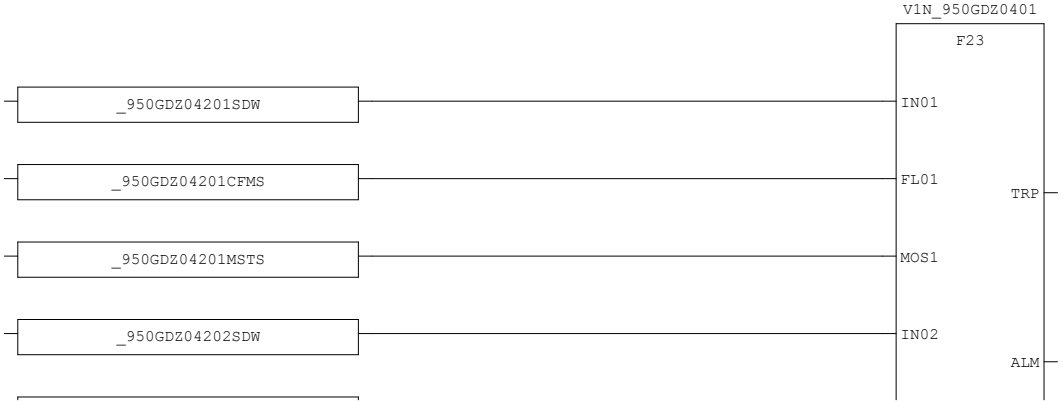
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 89
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192



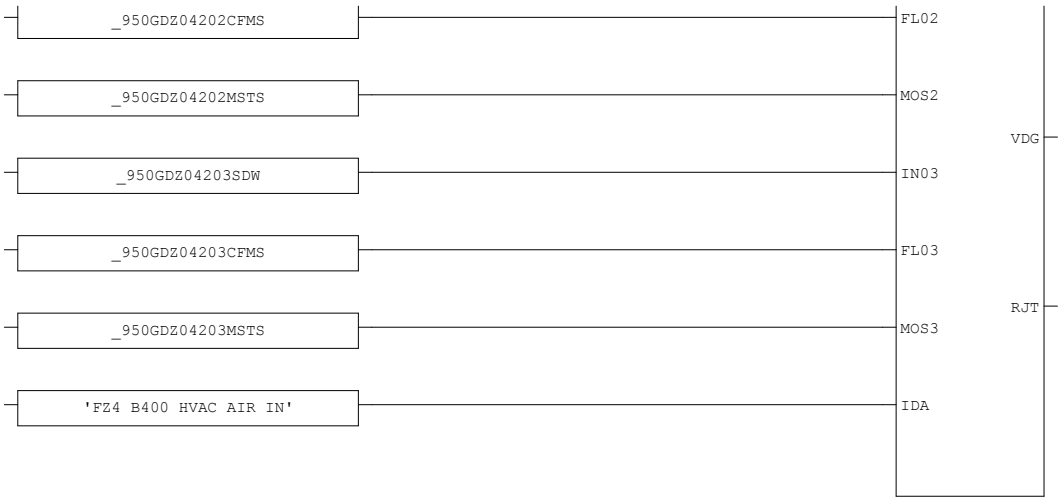


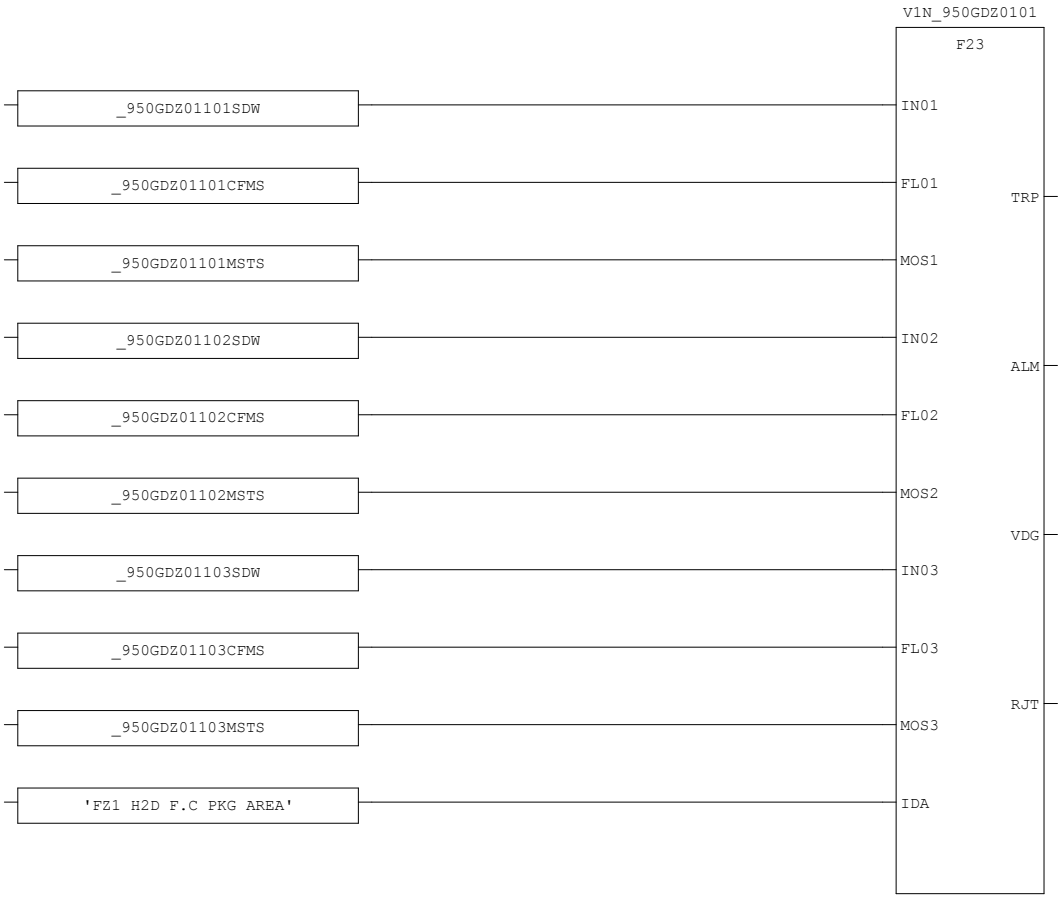
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 90
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



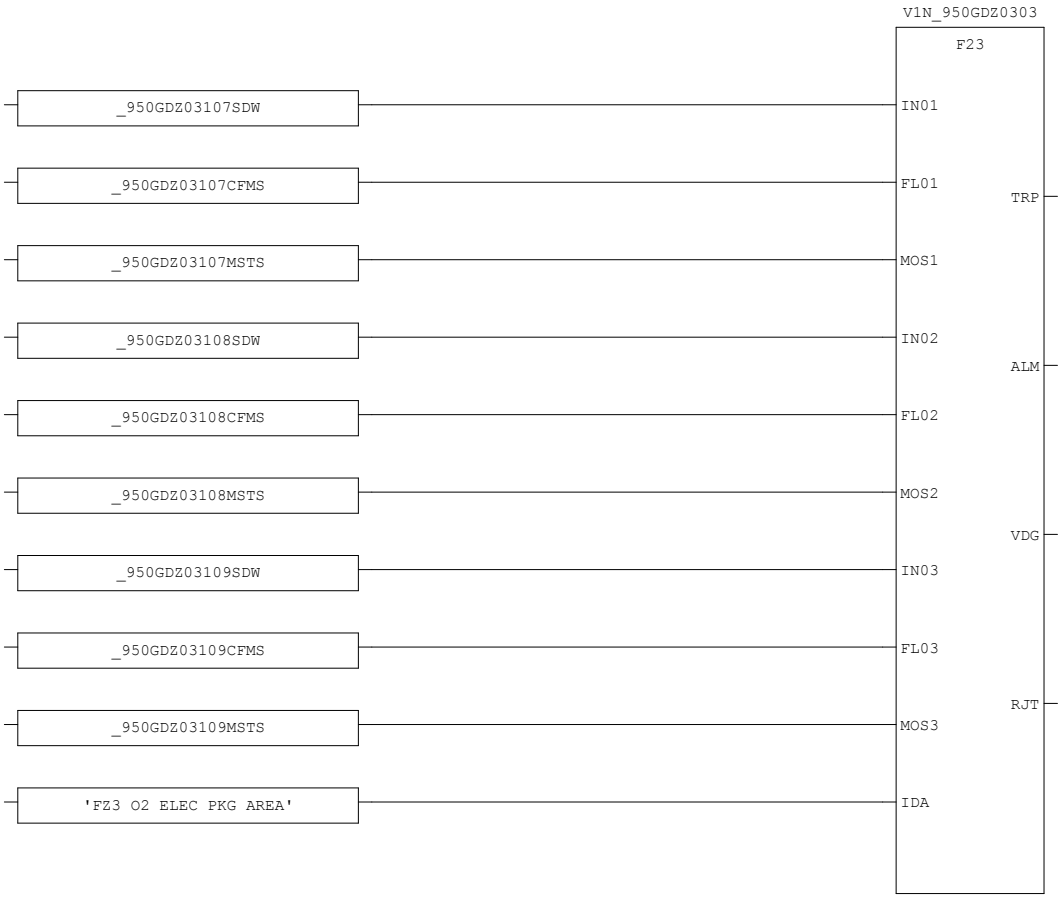


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 91
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		





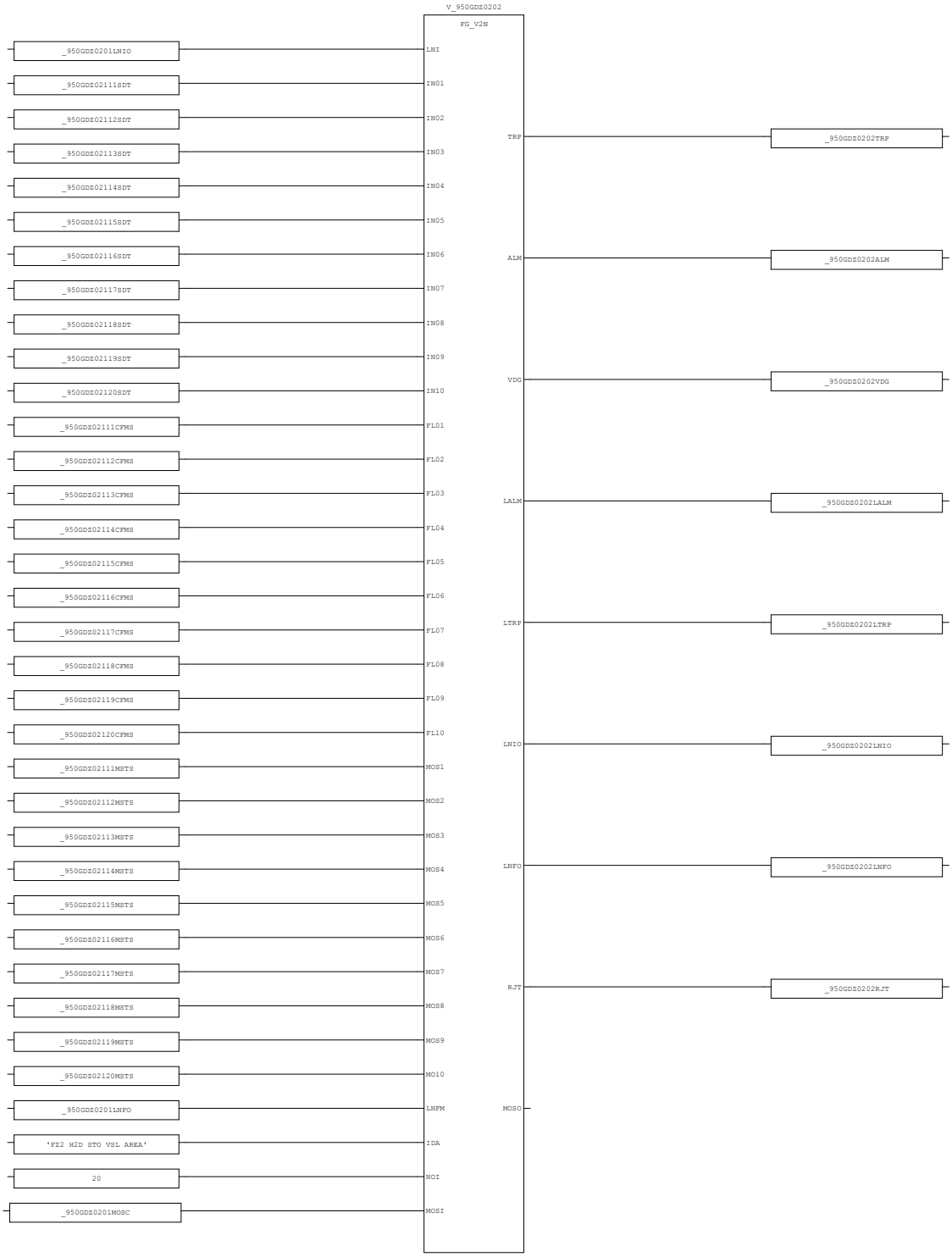
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 92
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 93
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

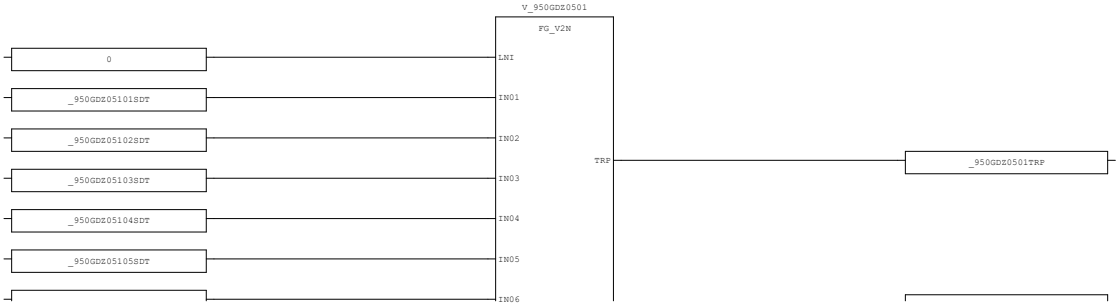
3.30. V2ooN_01 (* Analog Input-Voting 2ooN *)



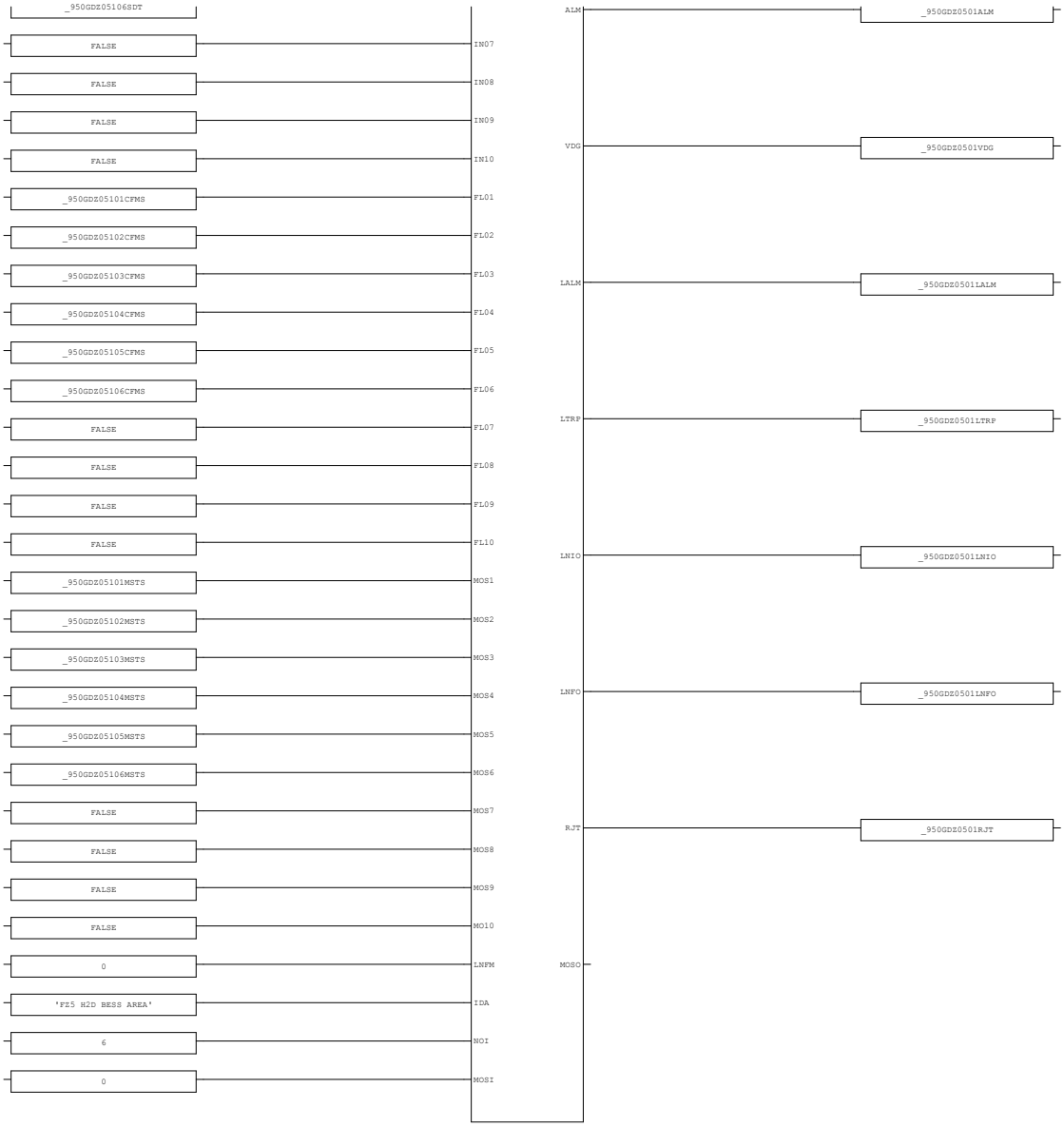


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 95
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



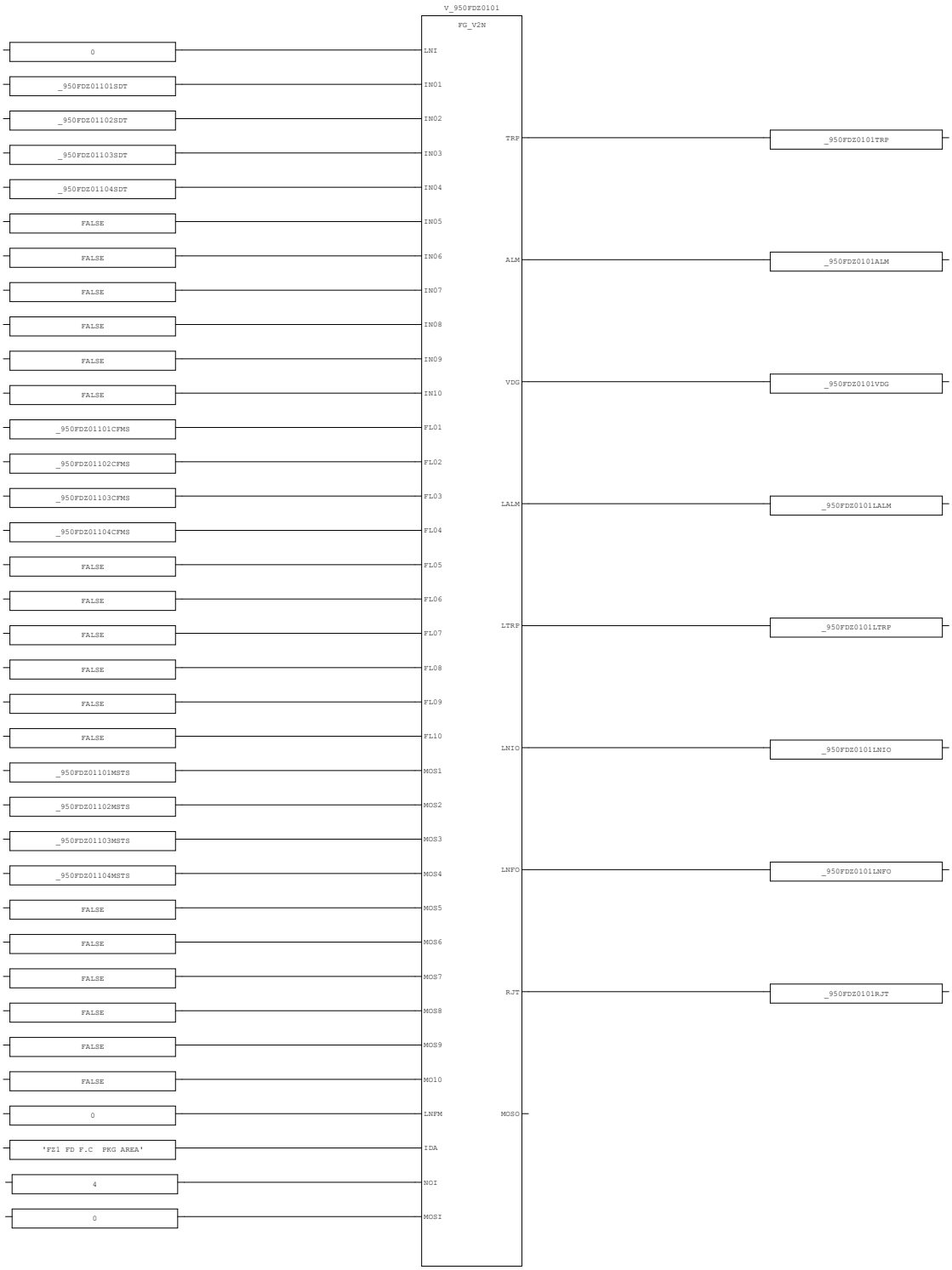


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 96
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 97
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.31. V2ooN_02 (* Analog Input-Voting 2ooN *)





AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 99
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE100
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



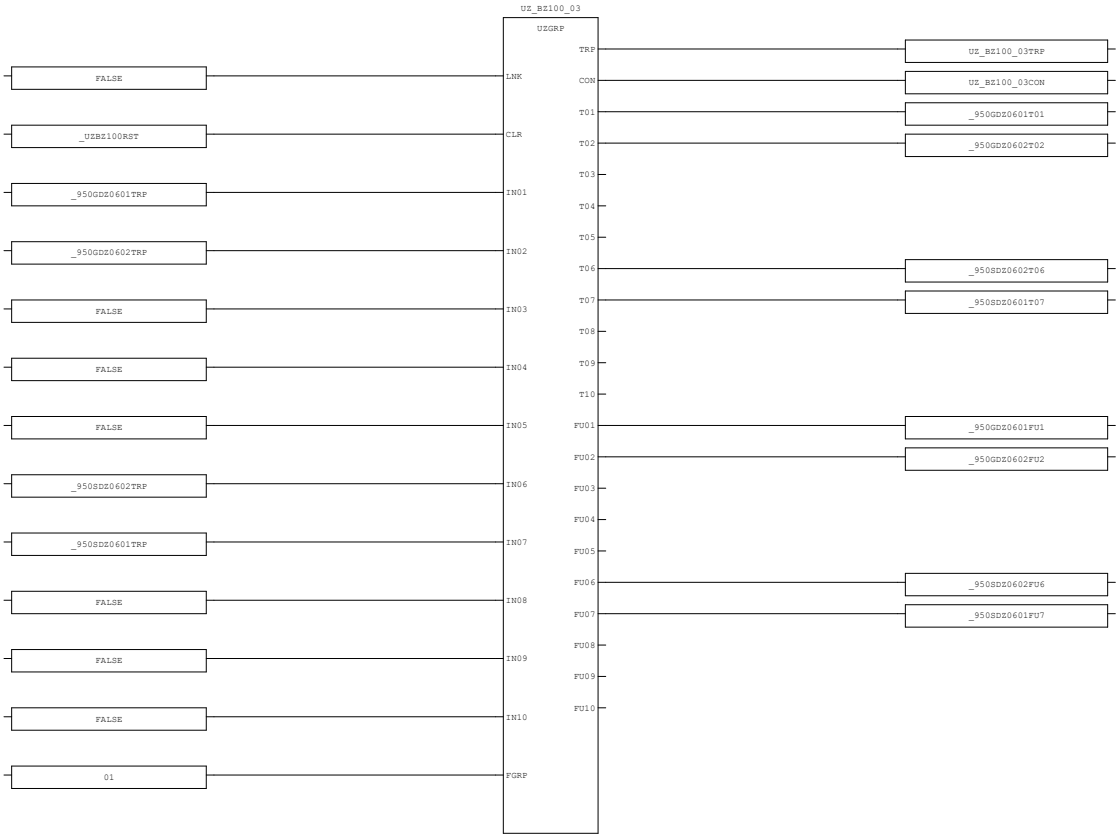


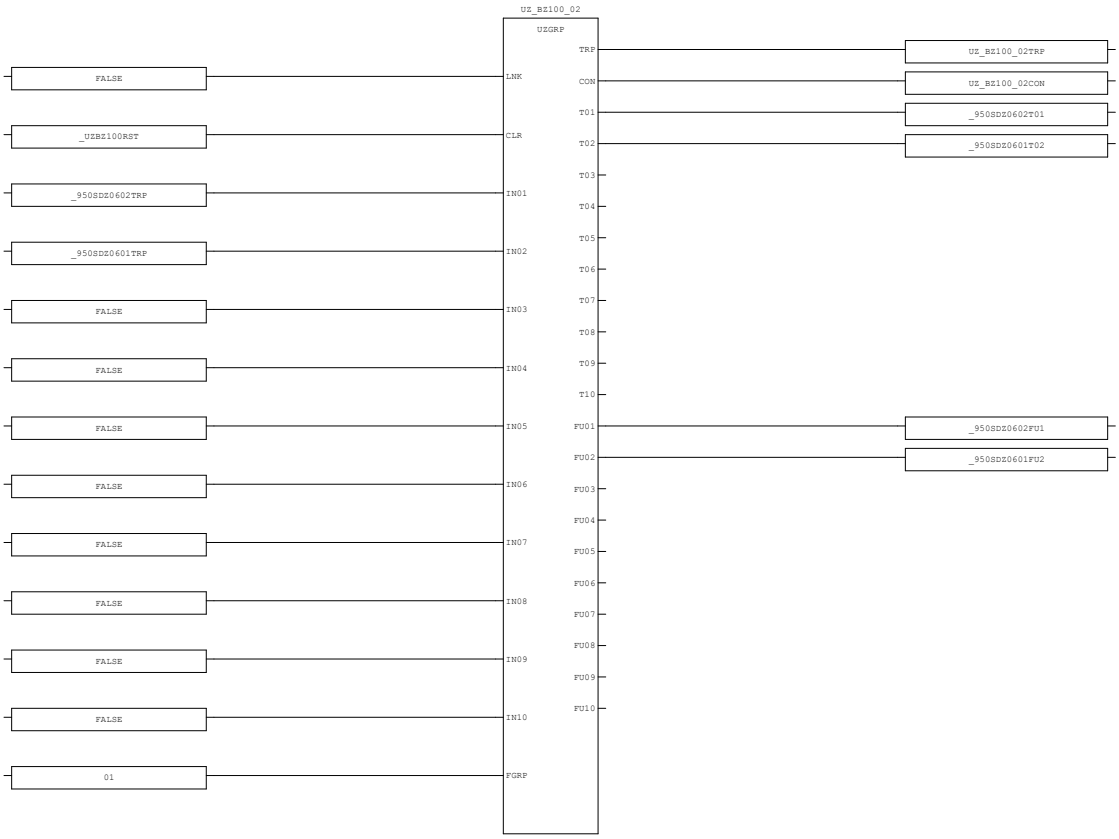
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE101
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

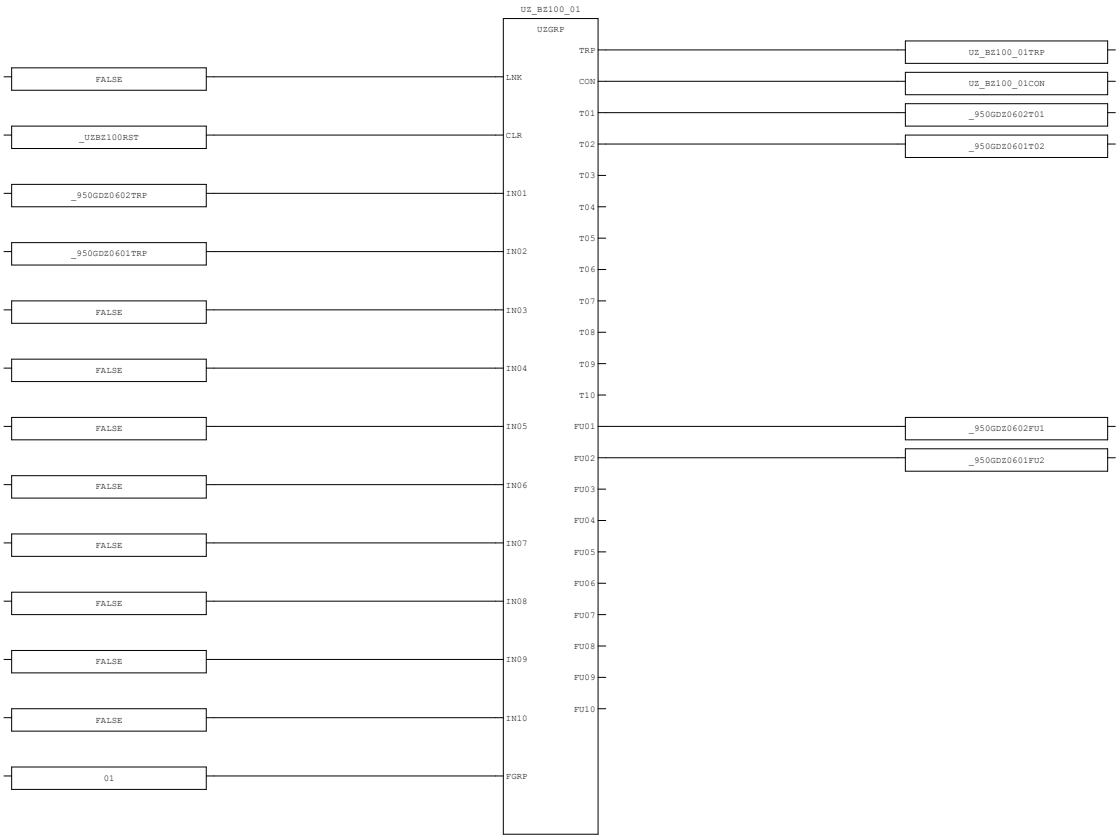


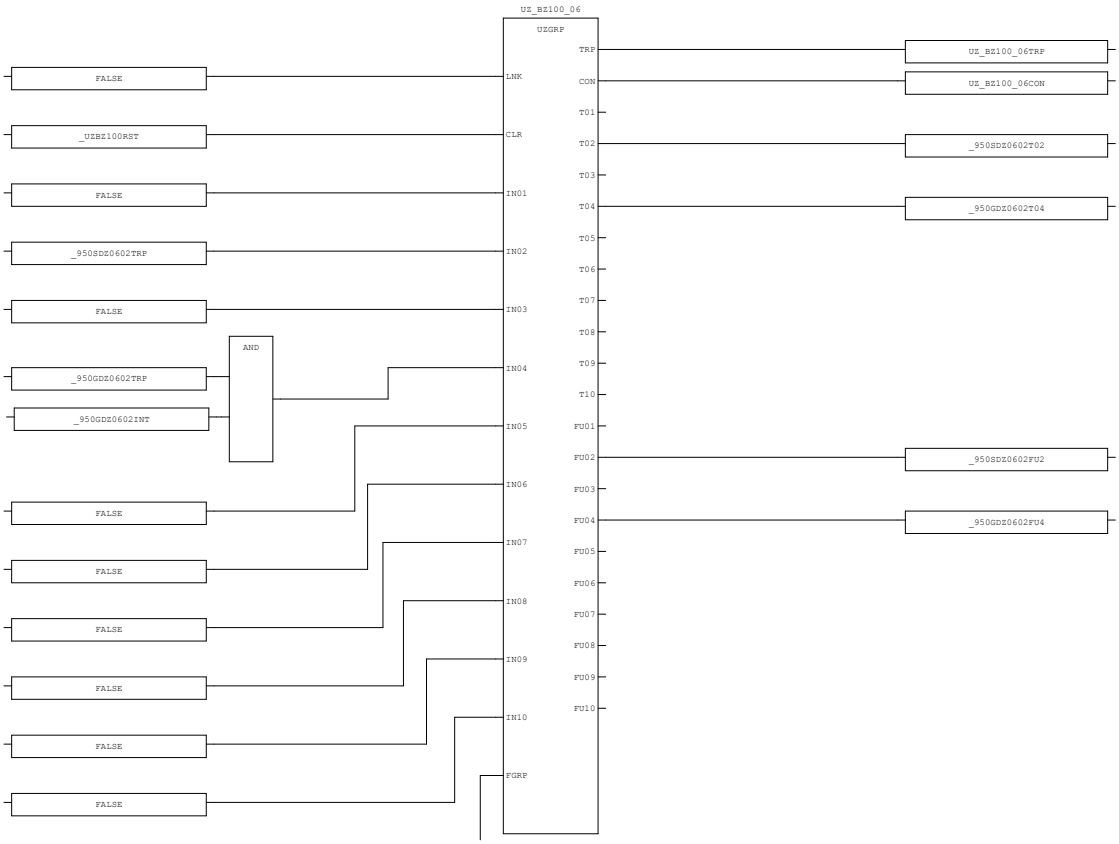
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE102
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

3.32. CE_LOGIC_01 (* C&E Interlock Logic *)

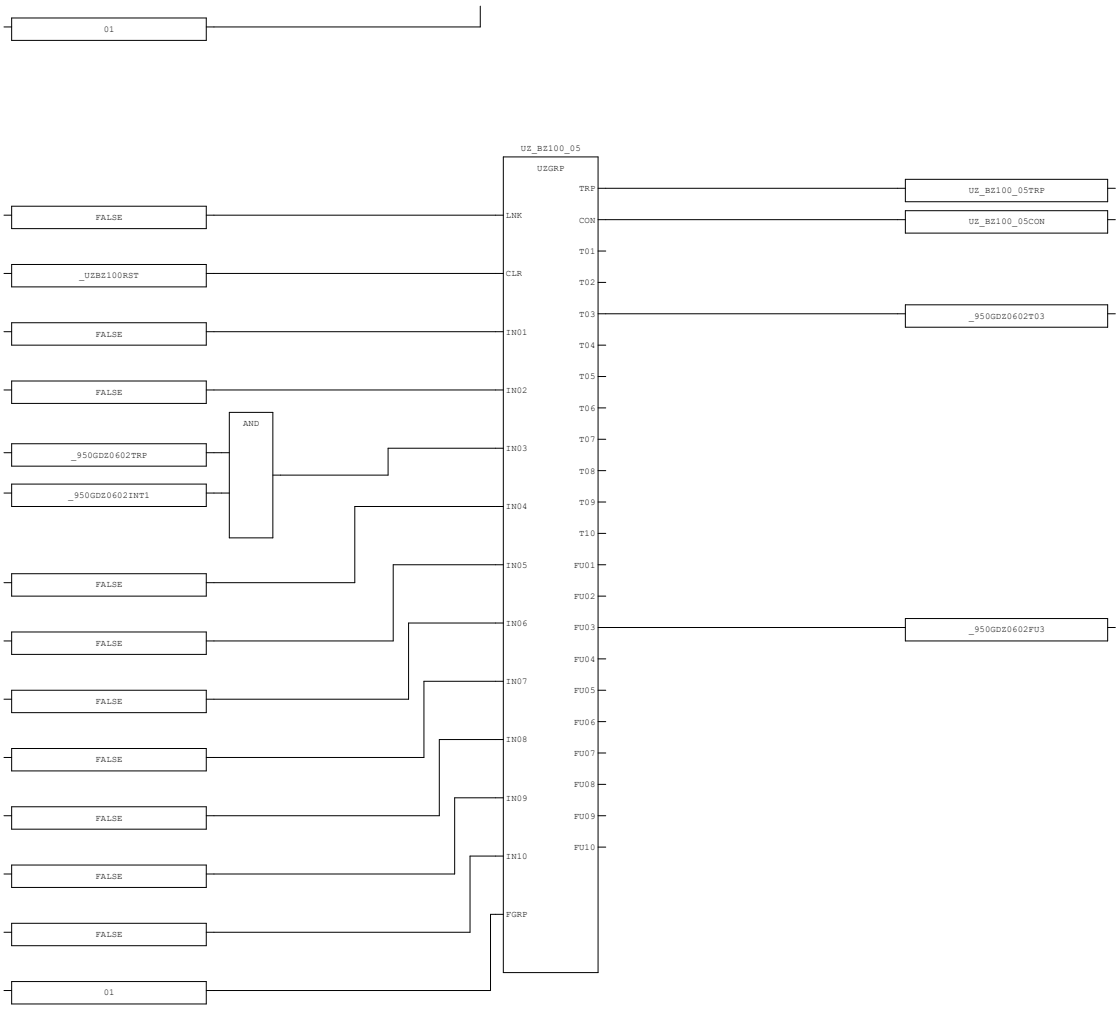


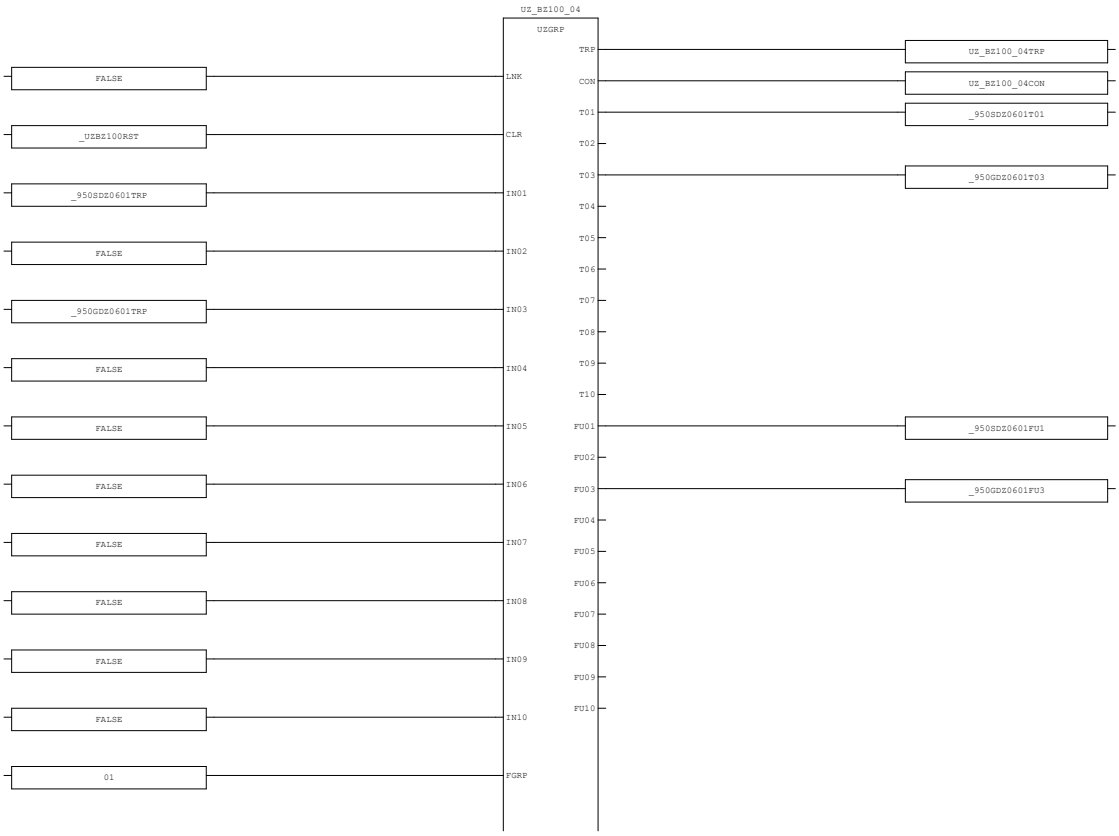




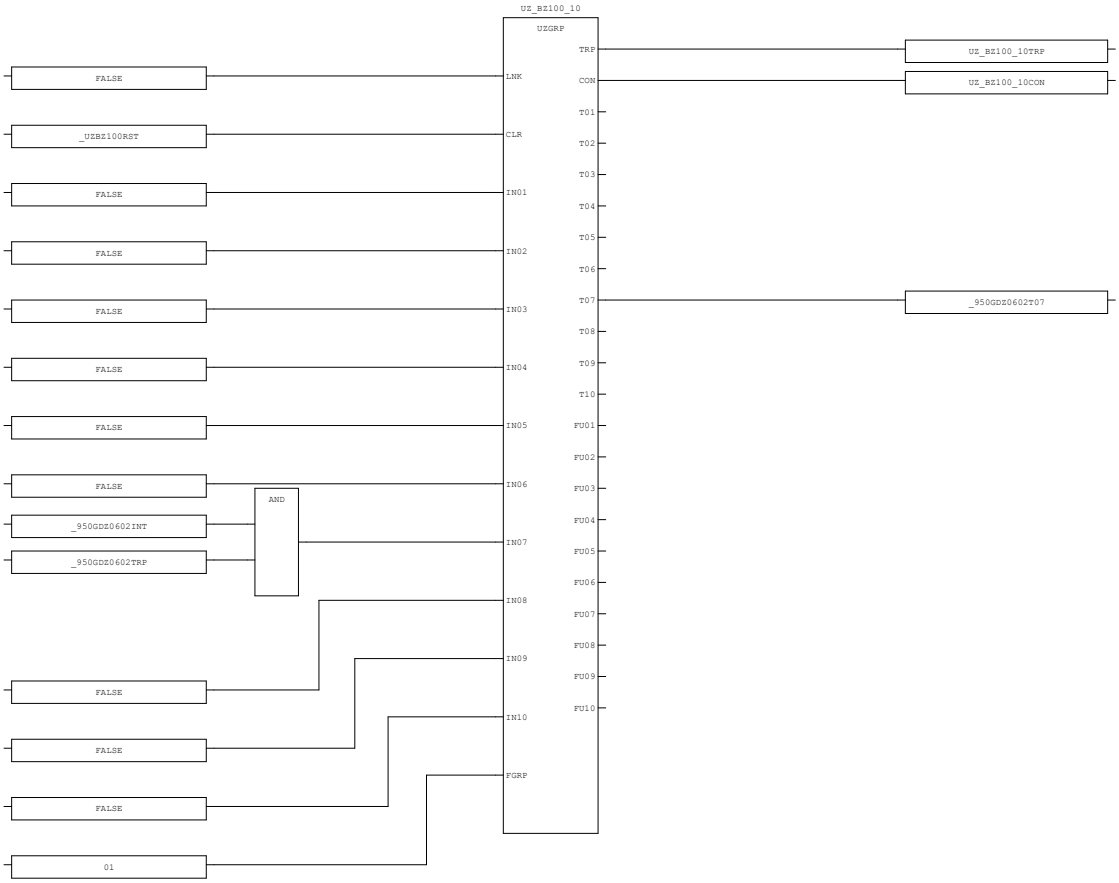


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE104
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192



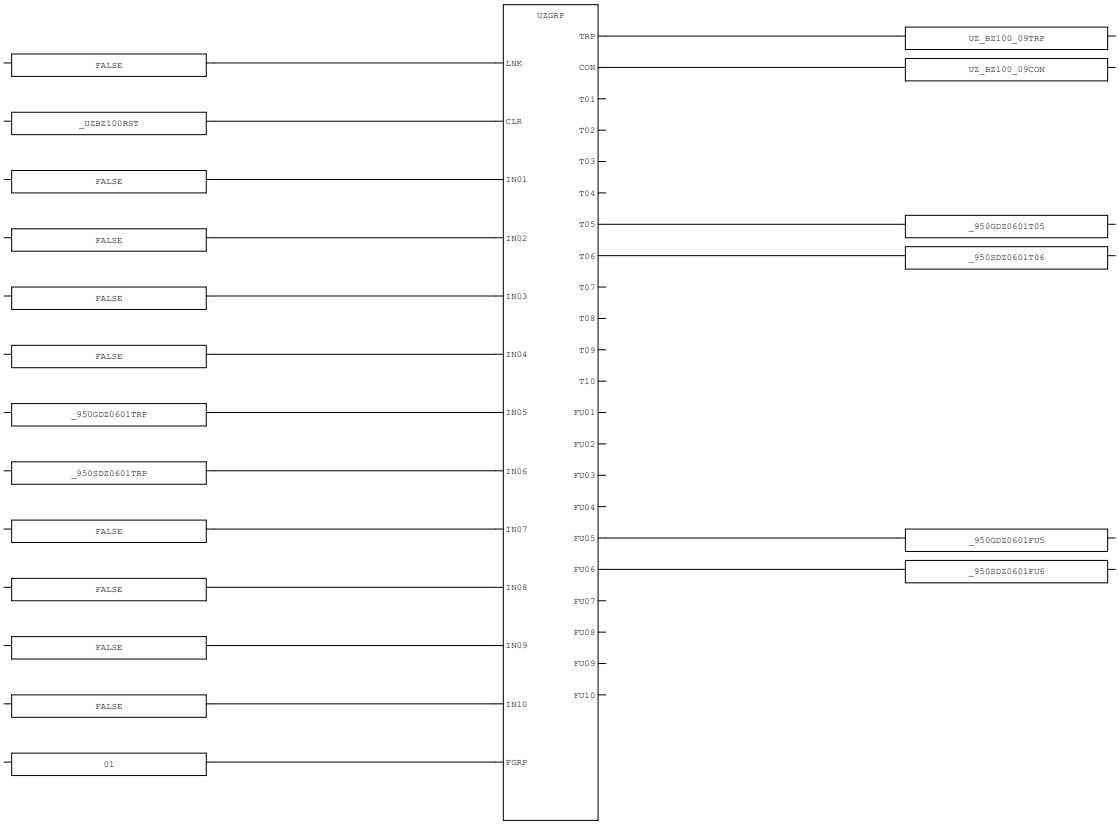


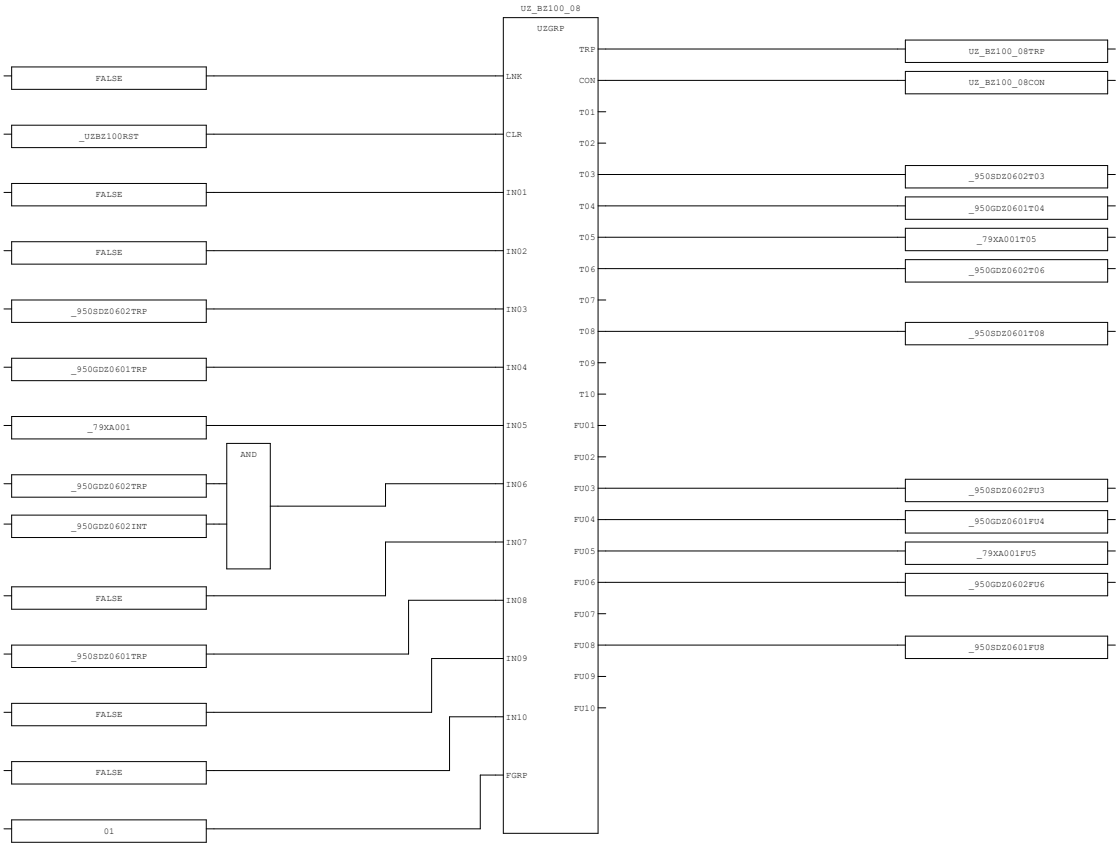
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE105
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

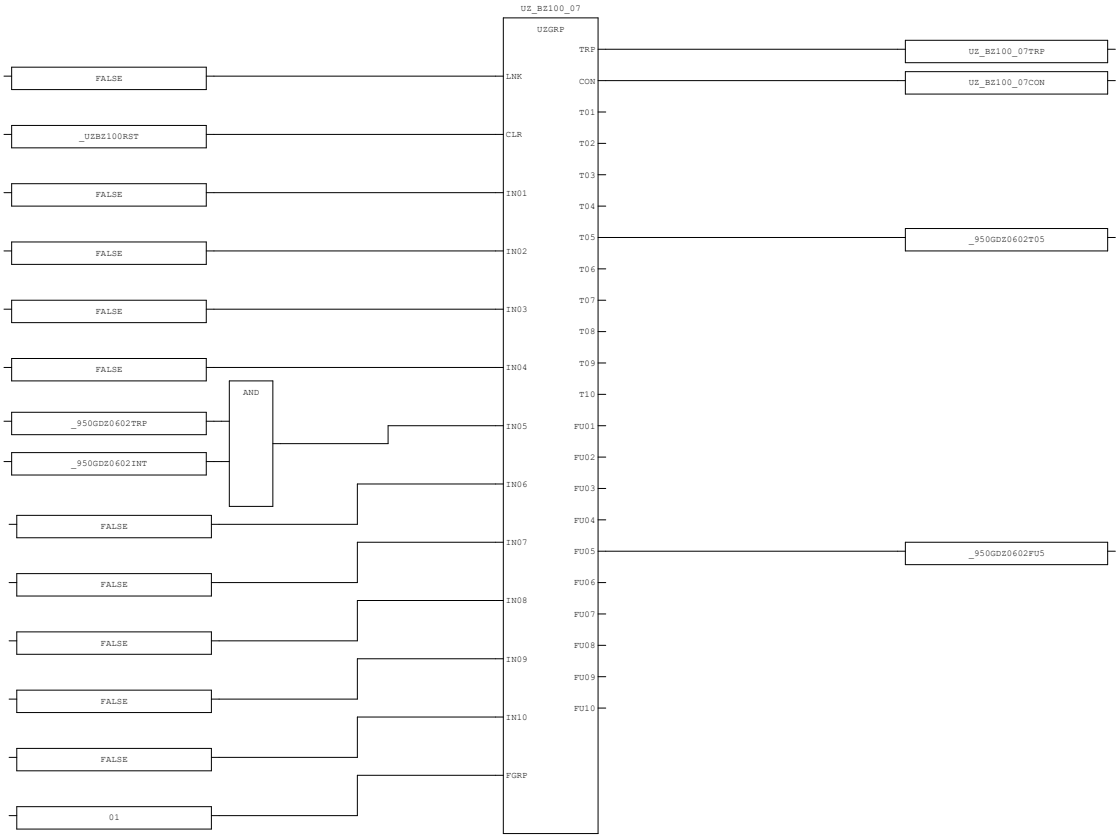


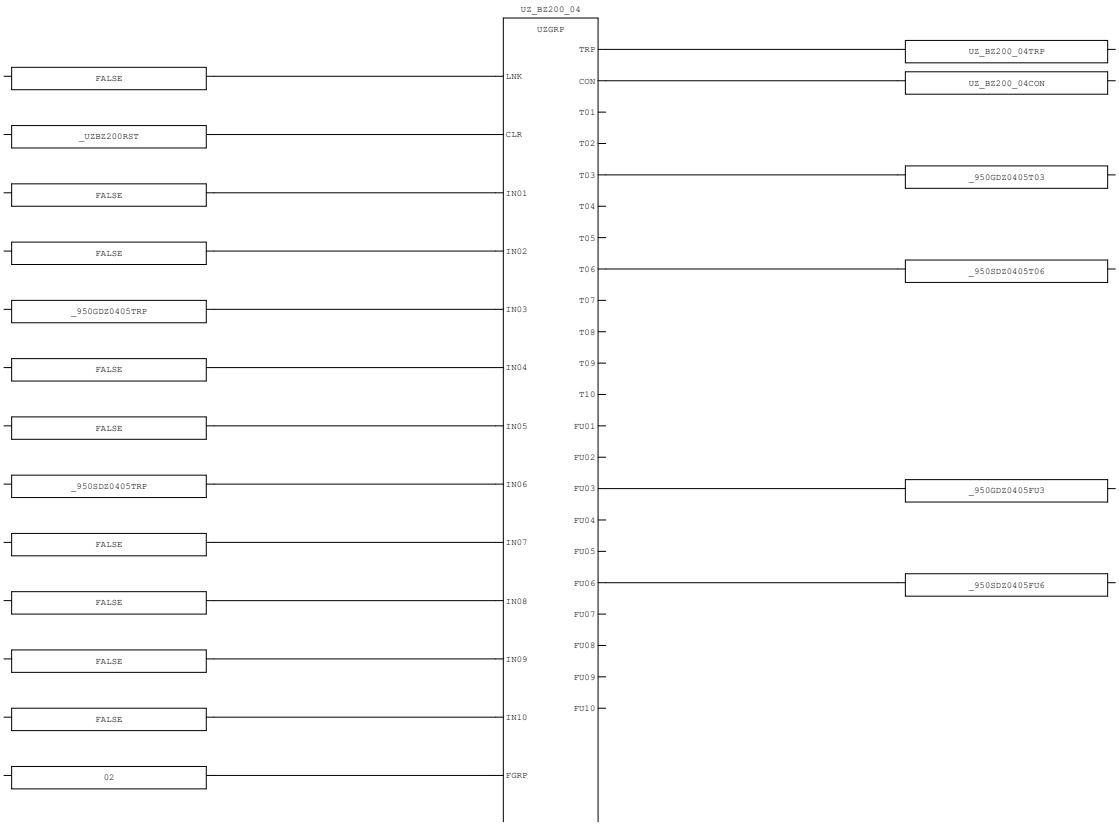
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE106
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 192
				REVISION:	5.3		

3.33. CE_LOGIC_02 (* C&E Interlock Logic *)

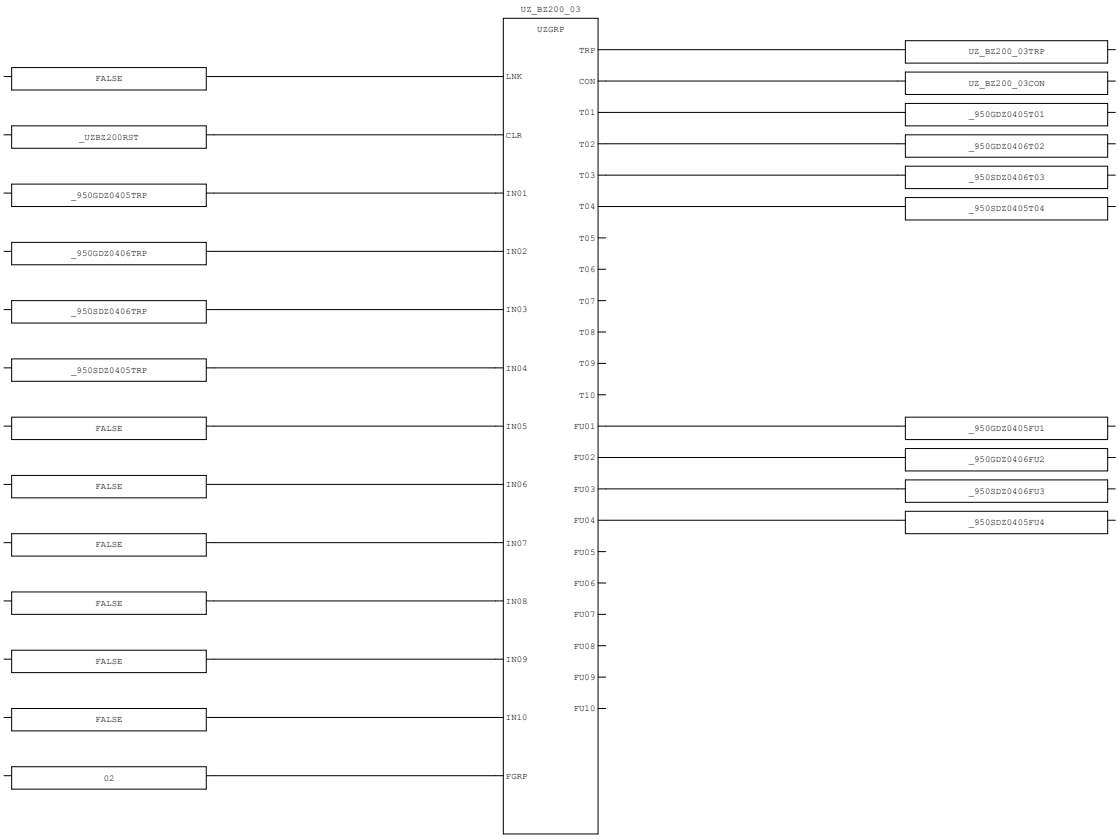


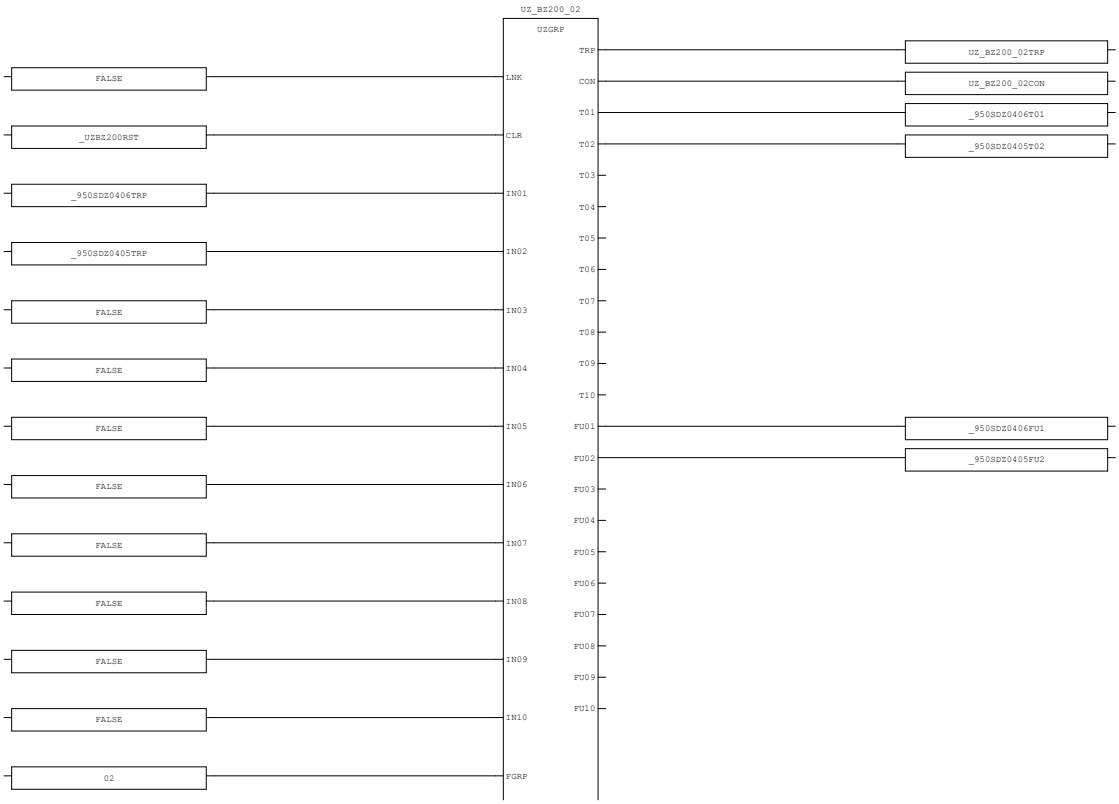




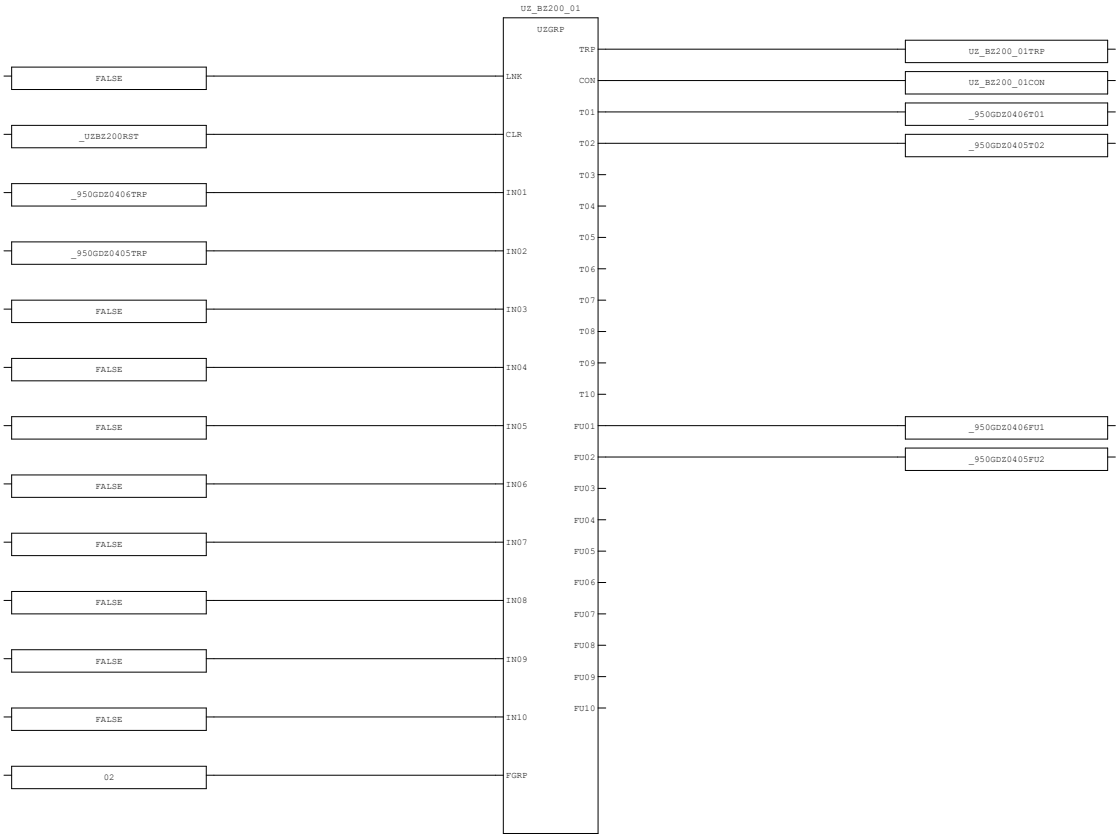


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE108
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192



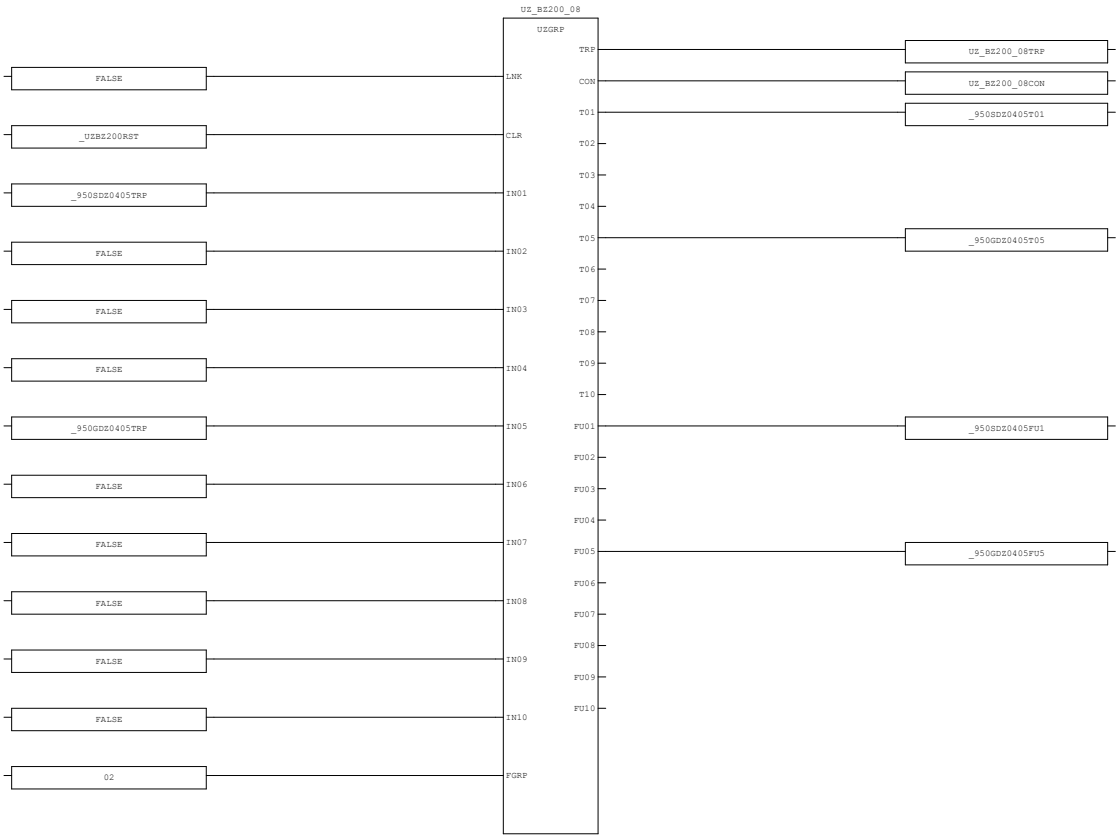


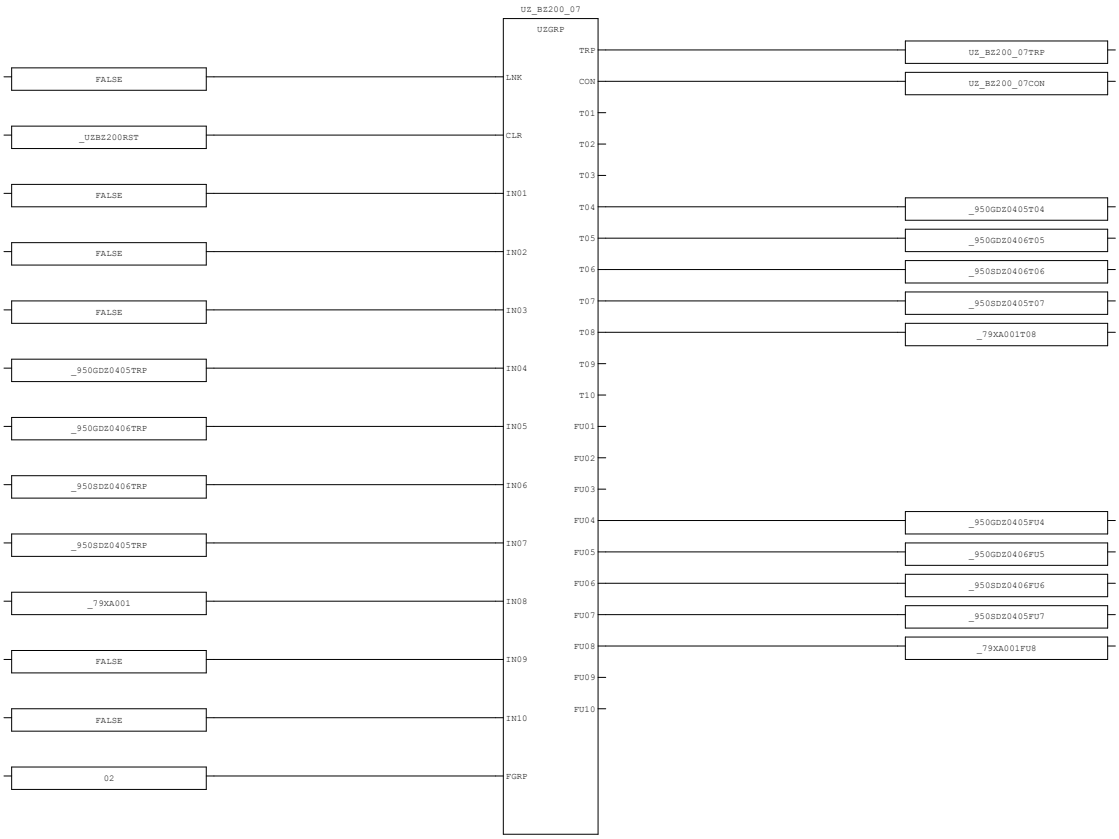
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE109
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

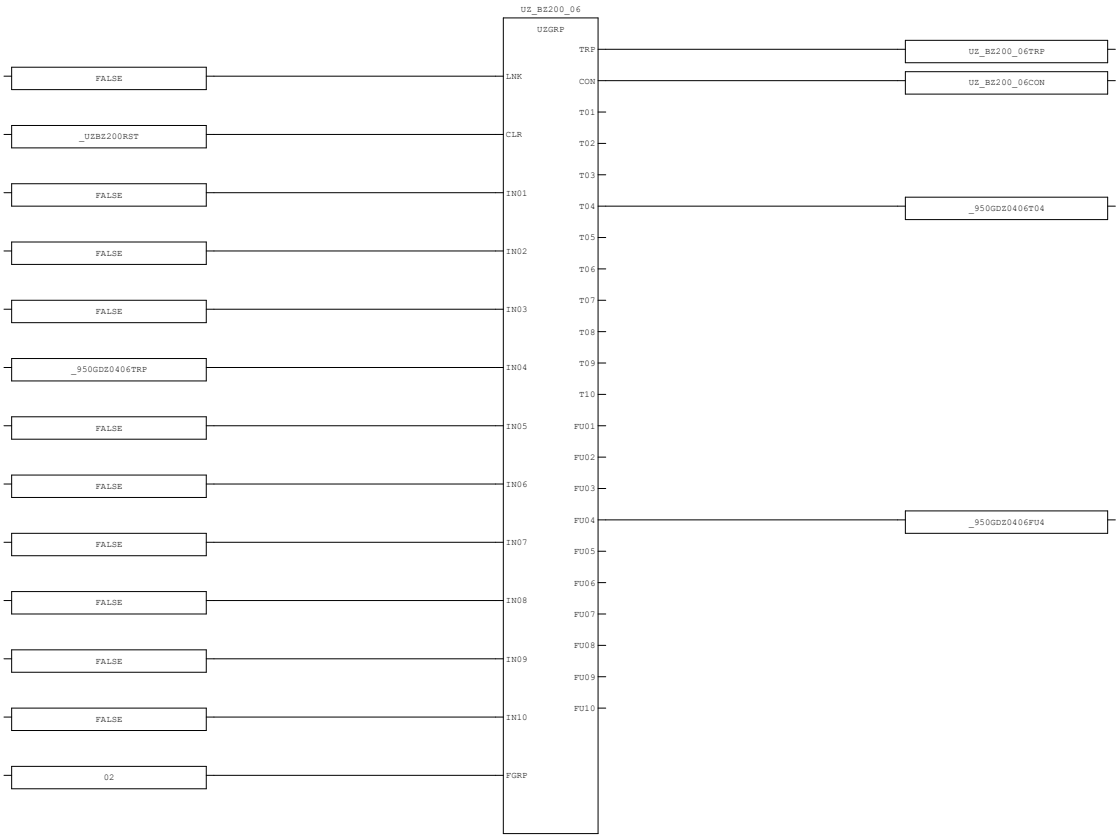


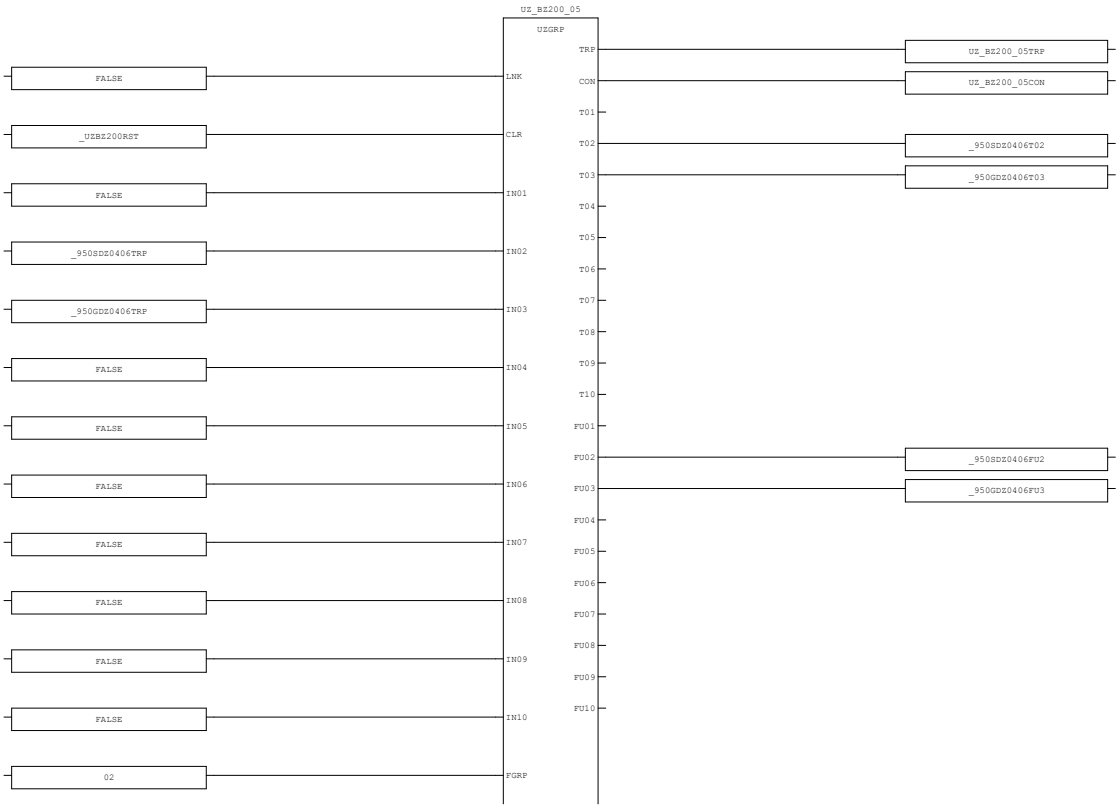
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE110
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.34. CE_LOGIC_03 (* C&E Interlock Logic *)

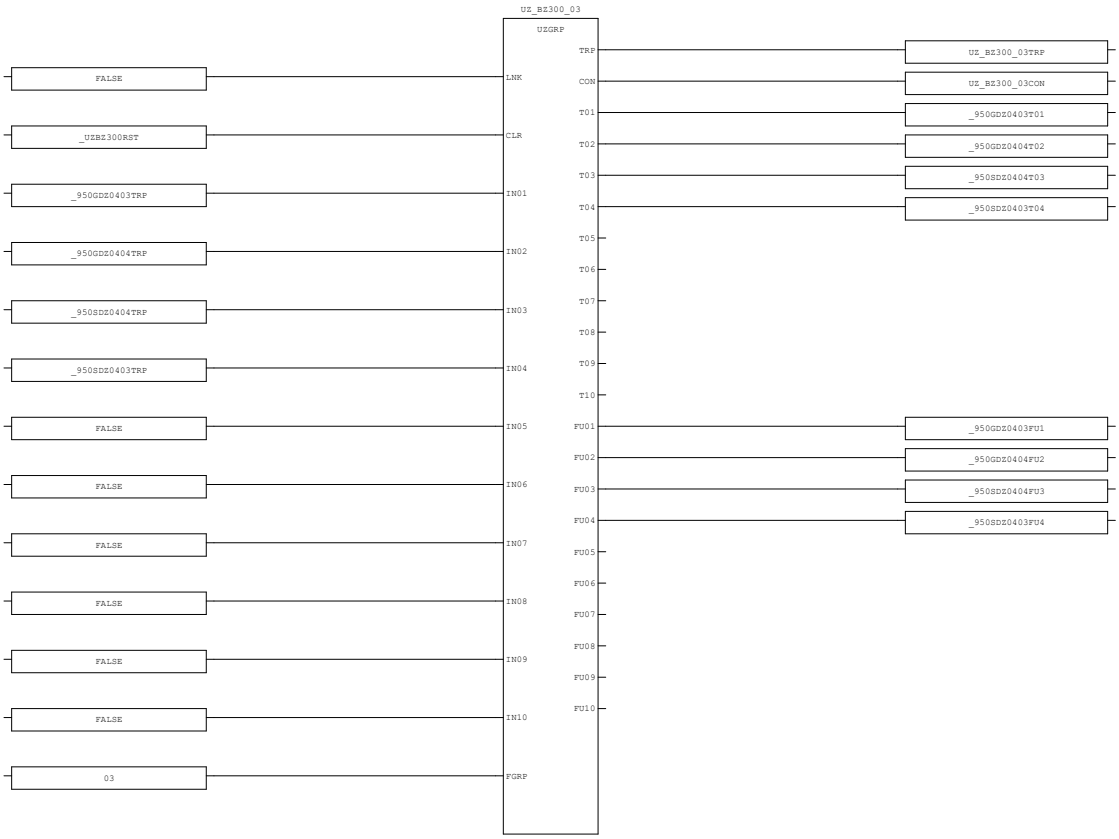


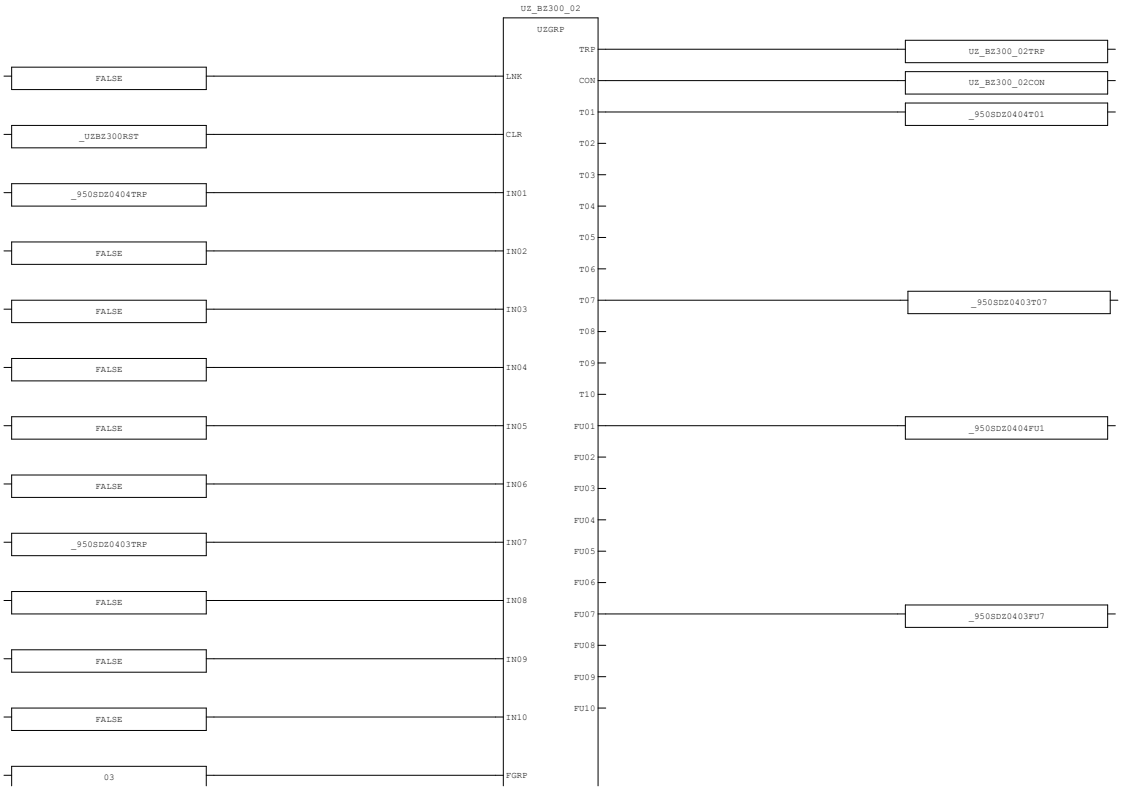




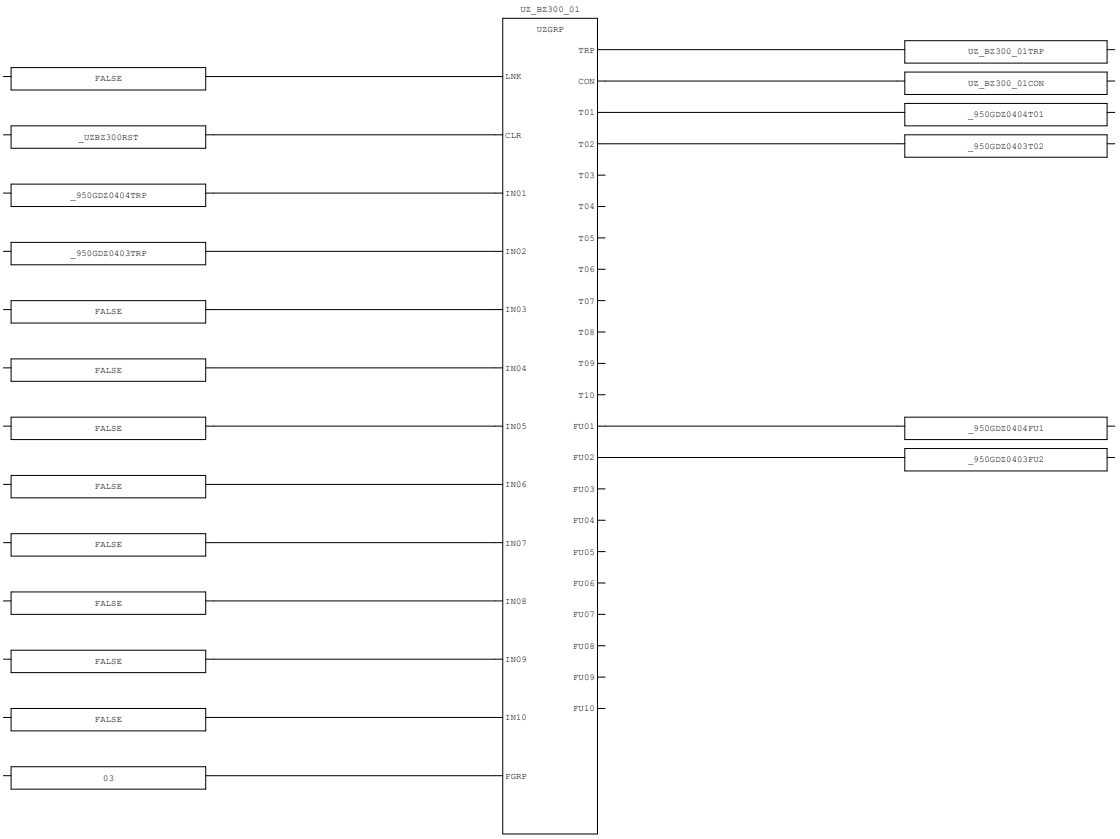


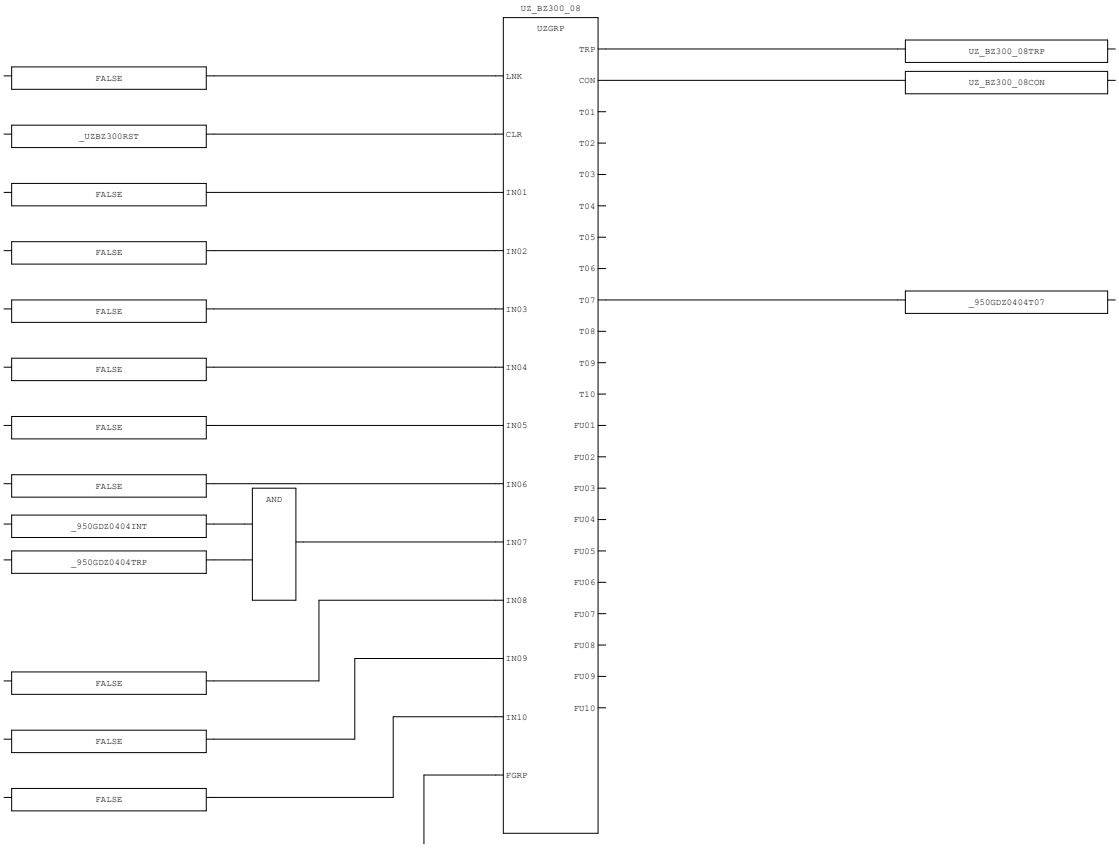
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE112
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



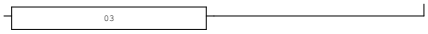


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE113
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

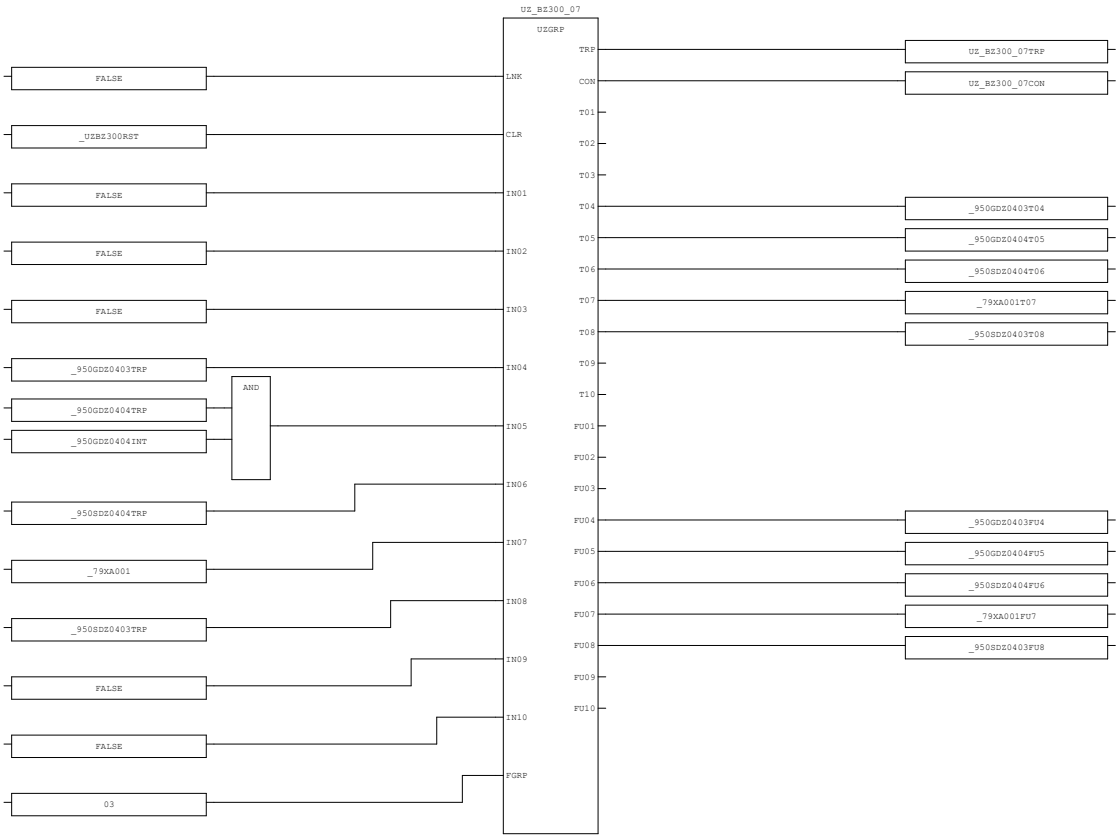


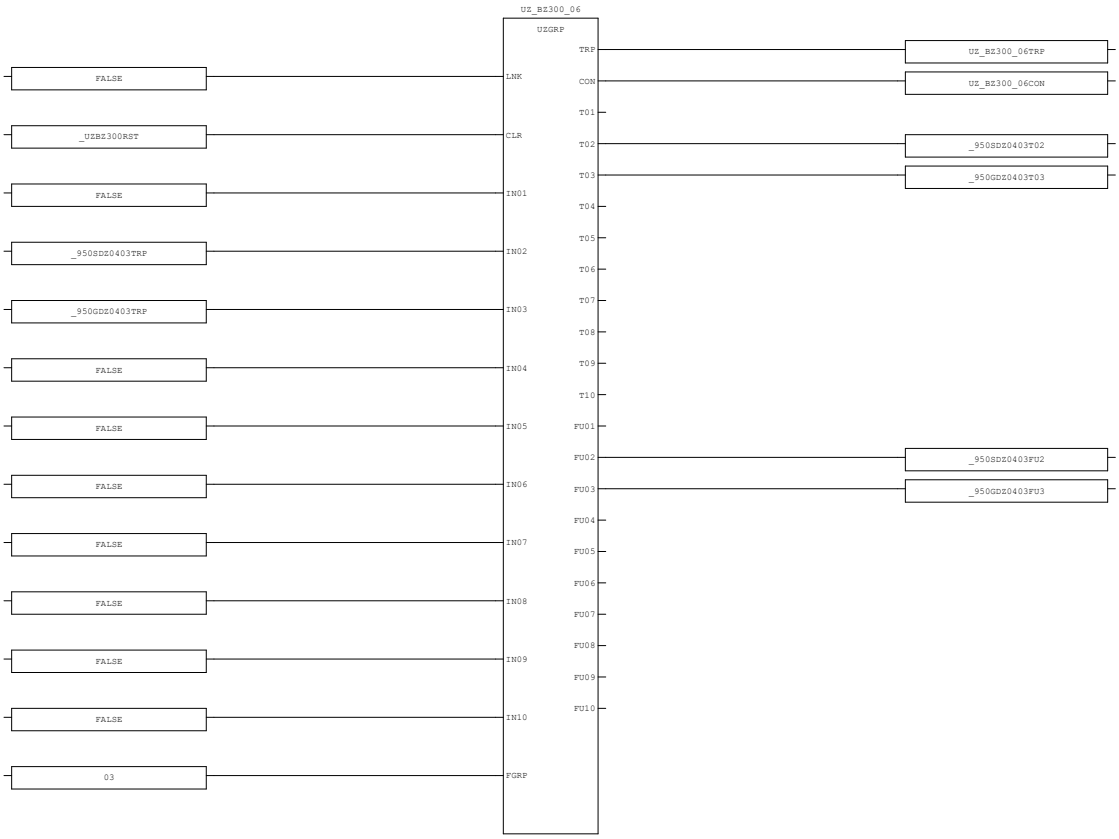


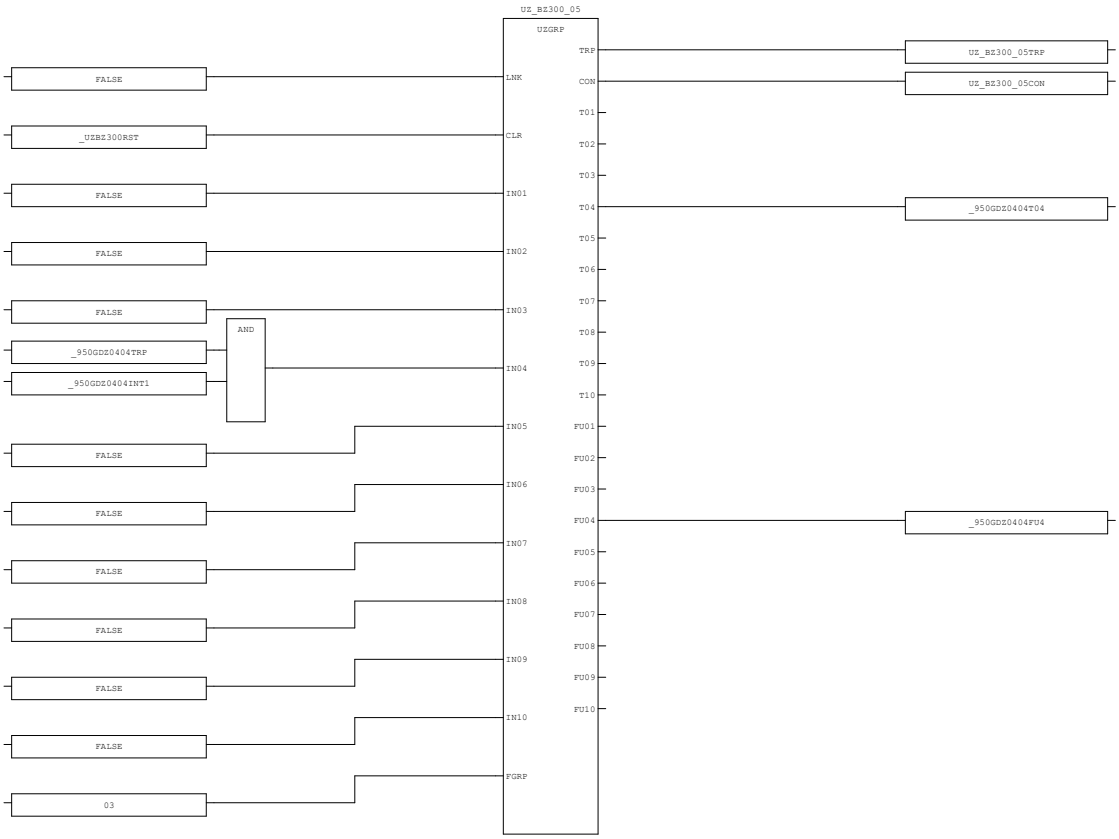
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE114
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

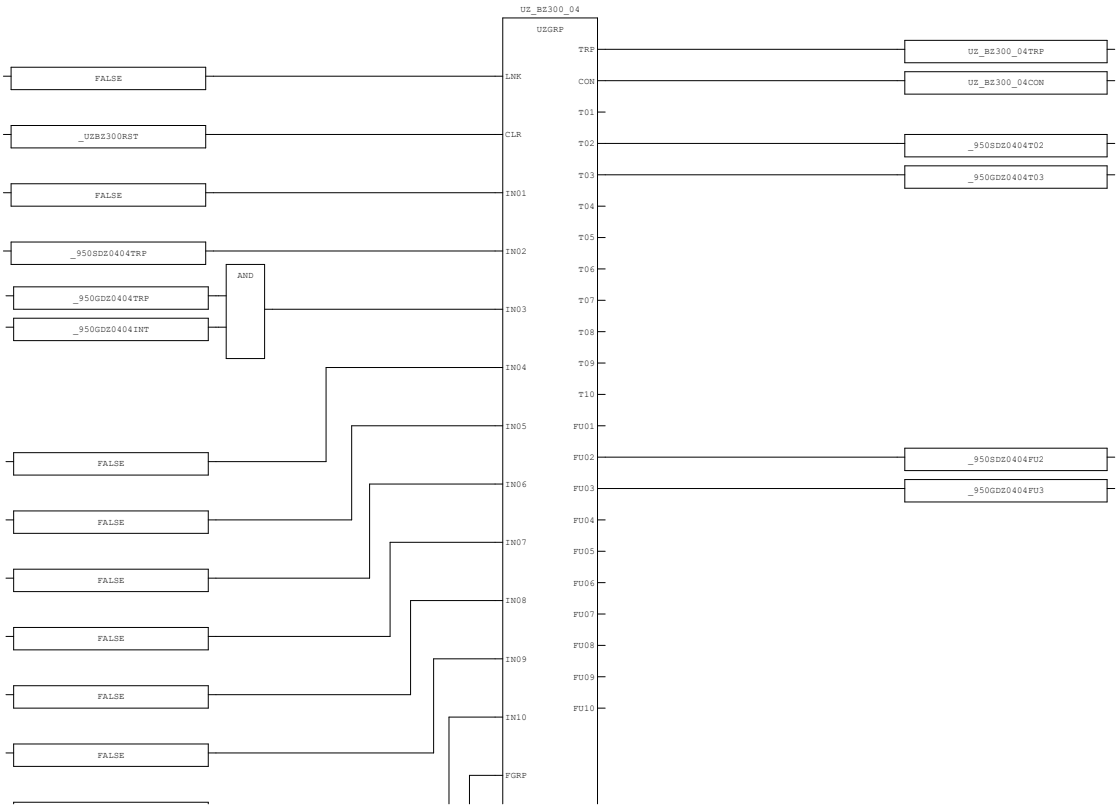

03

3.35. CE_LOGIC_04 (* C&E Interlock Logic *)

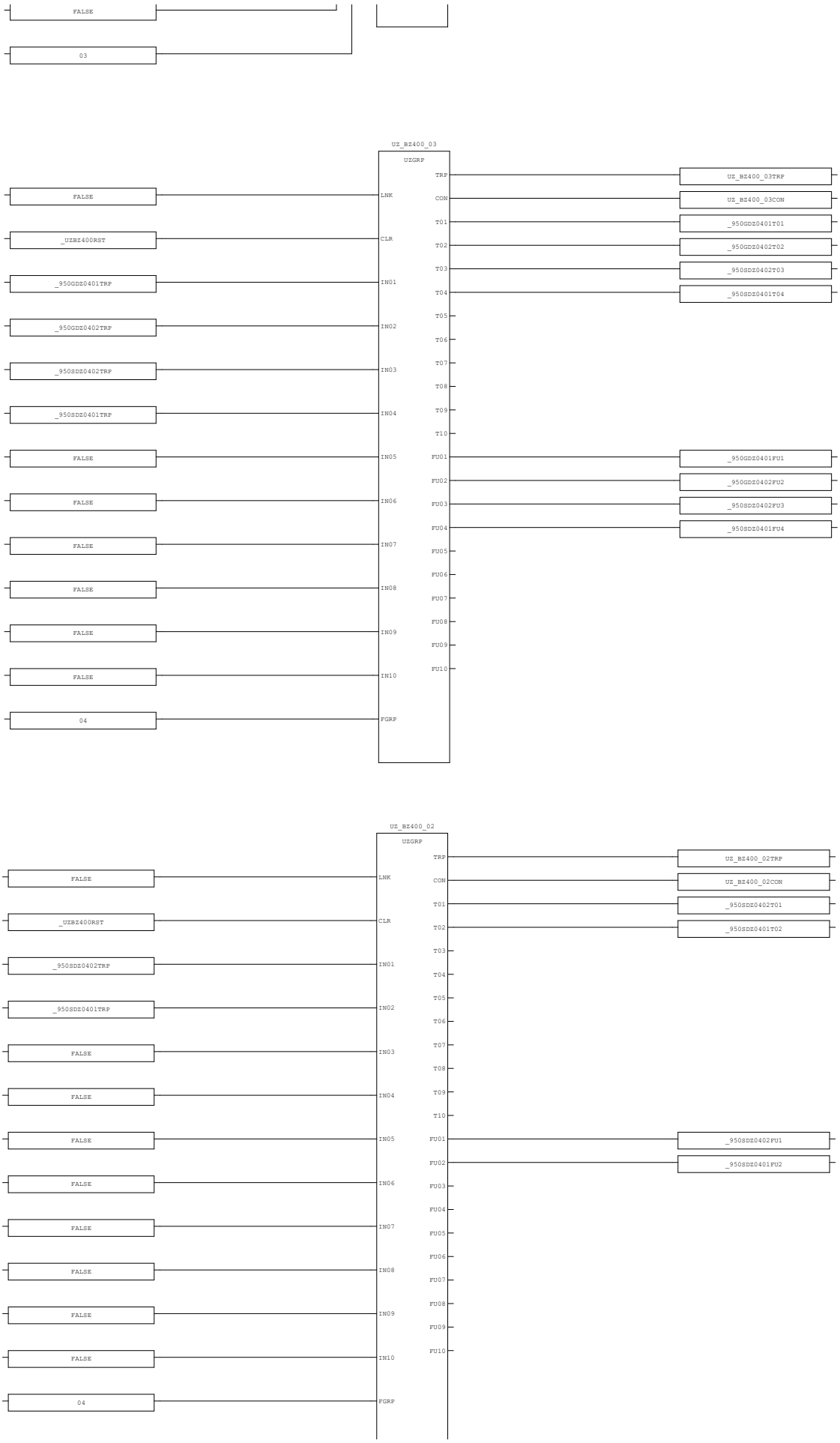




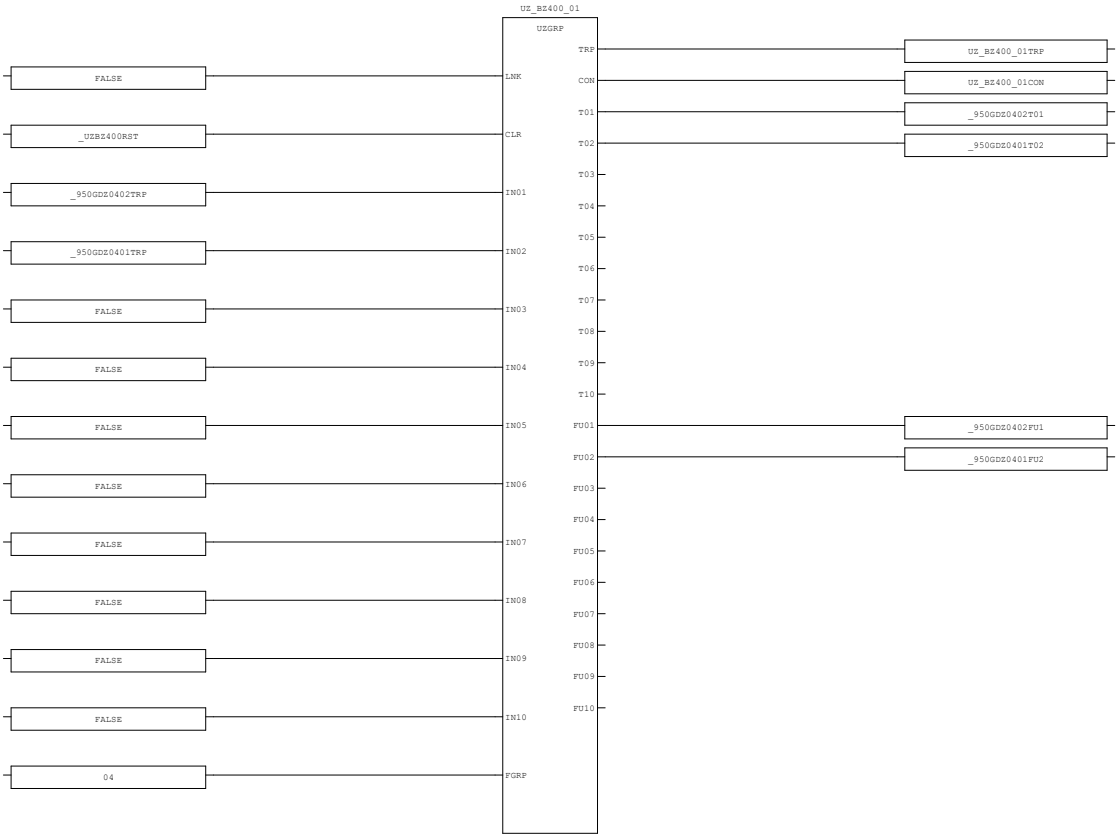




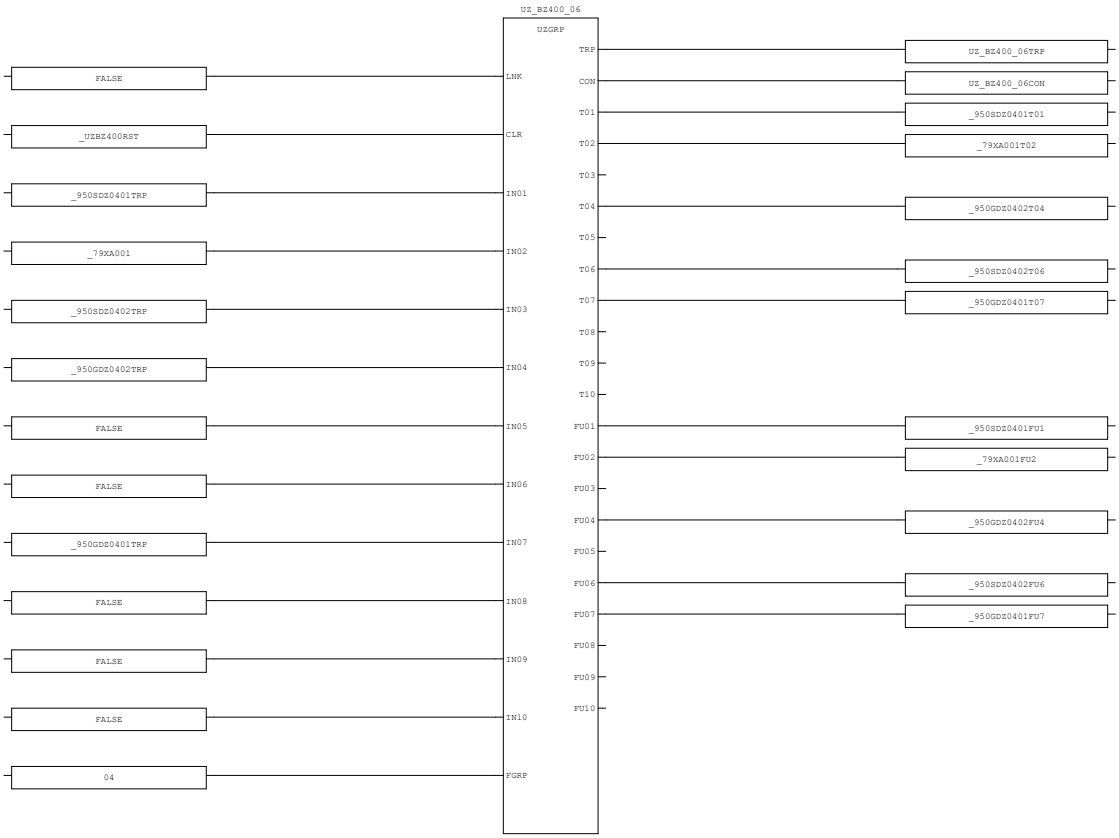
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE117
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
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SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

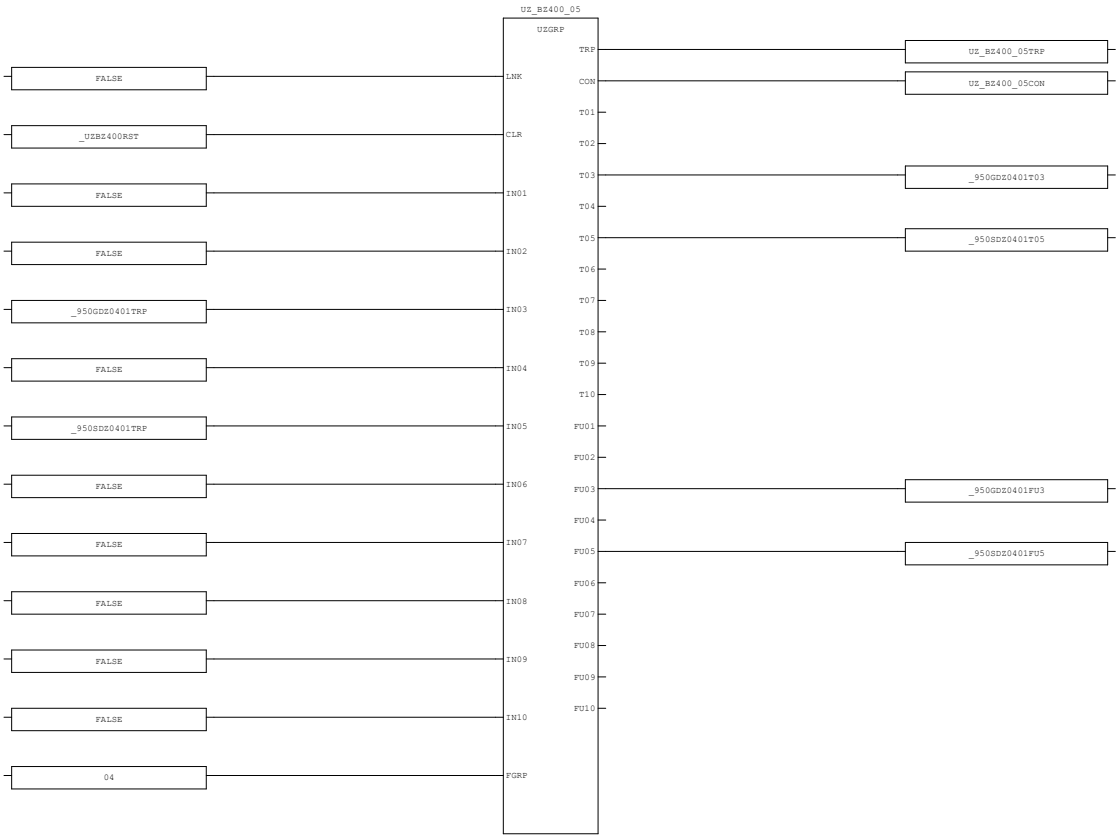


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE118
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

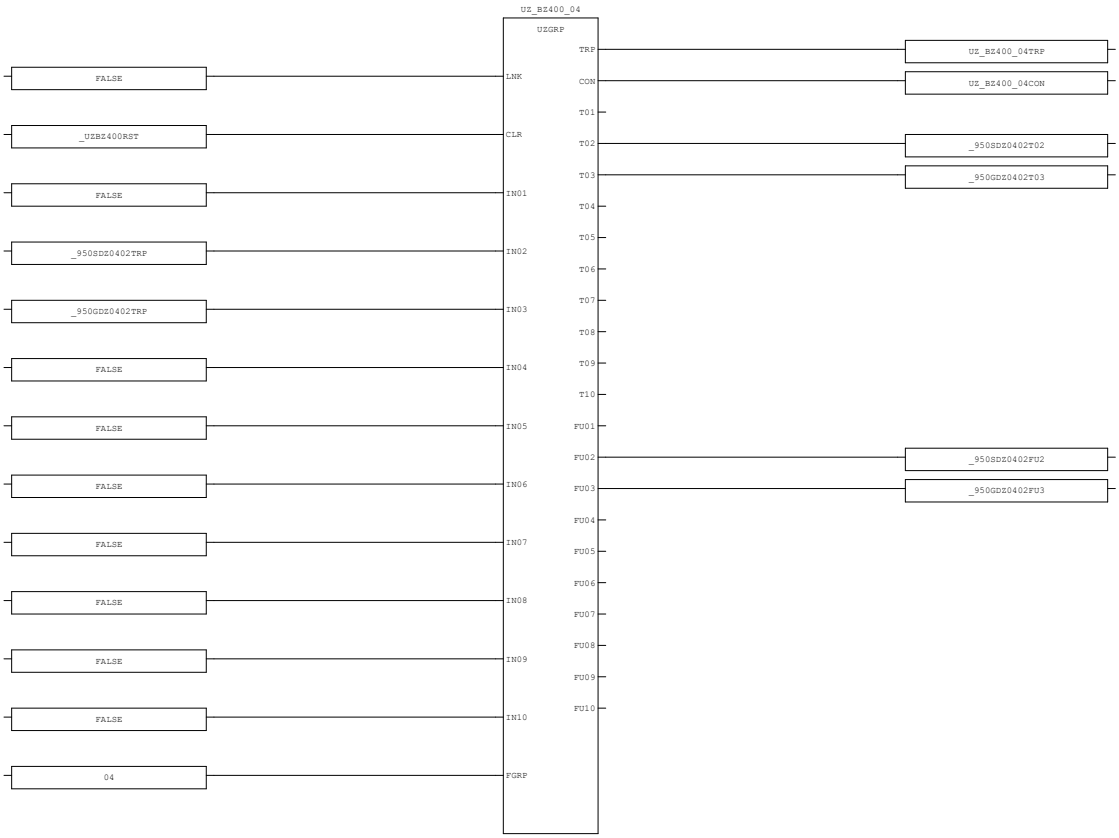

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_UZBZ400RST
_950GDZ0402TRF
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IN03
IN04
IN05
IN06
IN07
IN08
IN09
IN10
FGRP
TRP
CON
T01
T02
T03
T04
T05
T06
T07
T08
T09
T10
FU01
FU02
FU03
FU04
FU05
FU06
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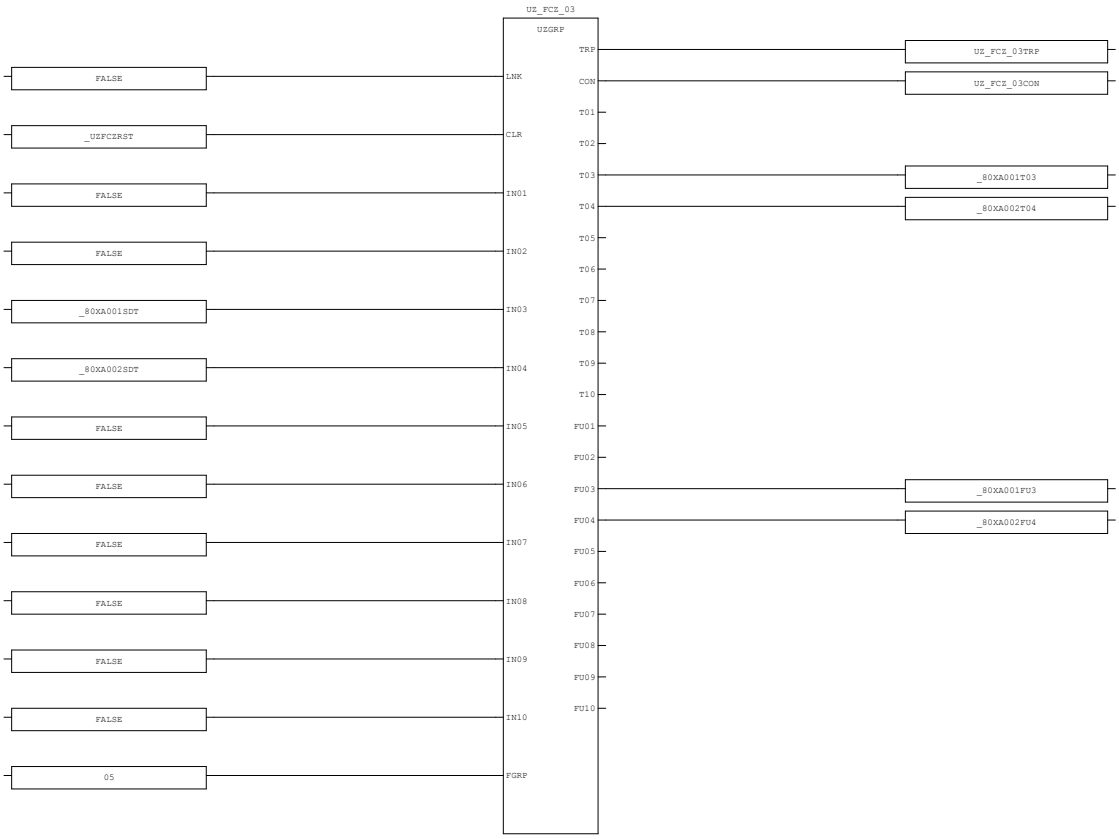
3.36. CE_LOGIC_05 (* C&E Interlock Logic *)



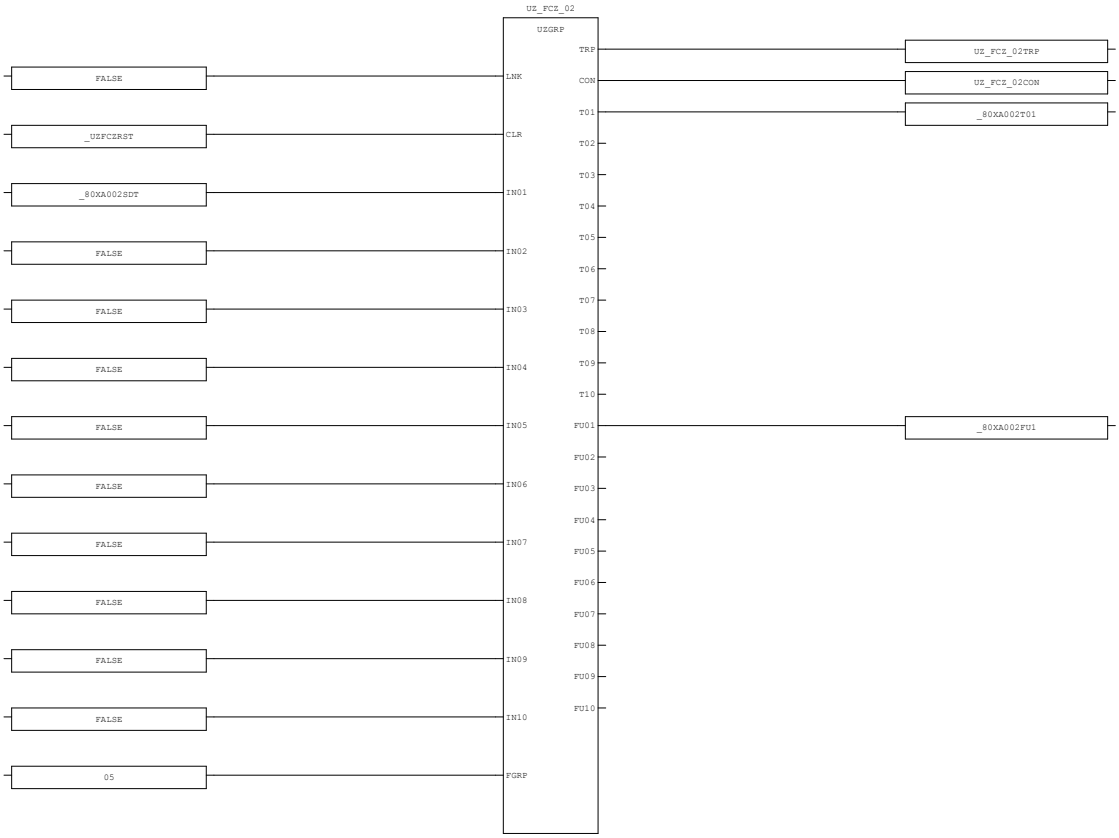


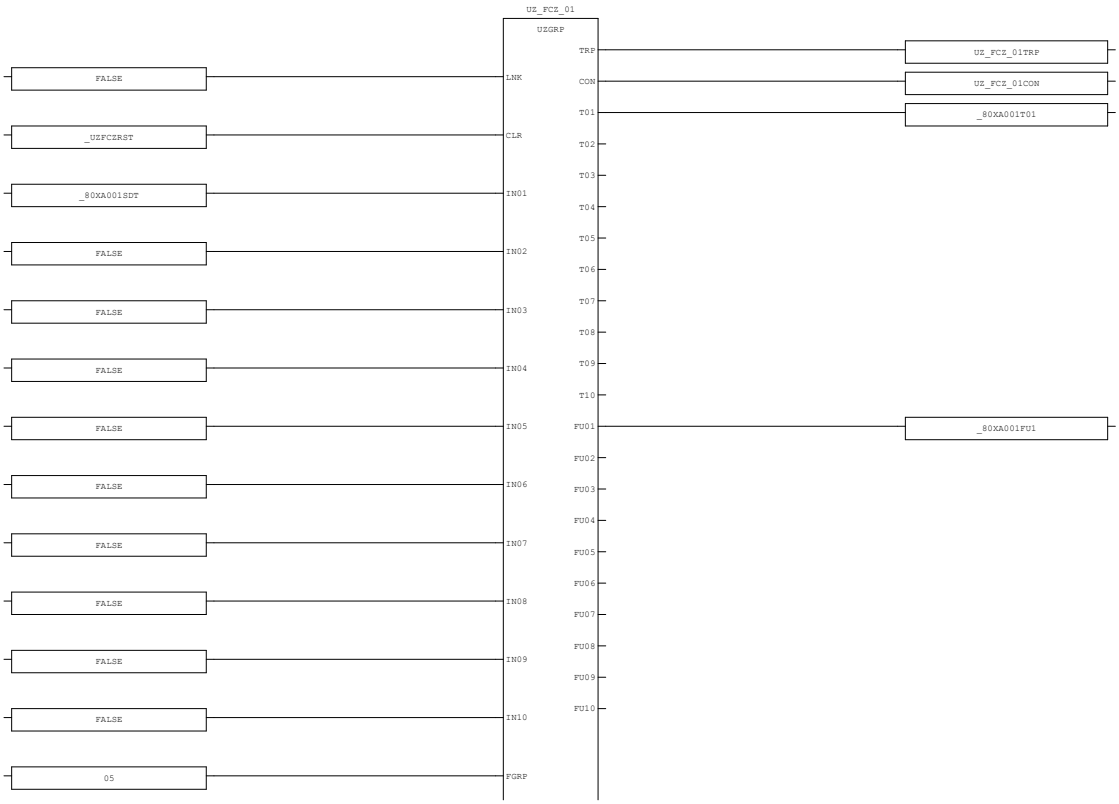
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE120
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		





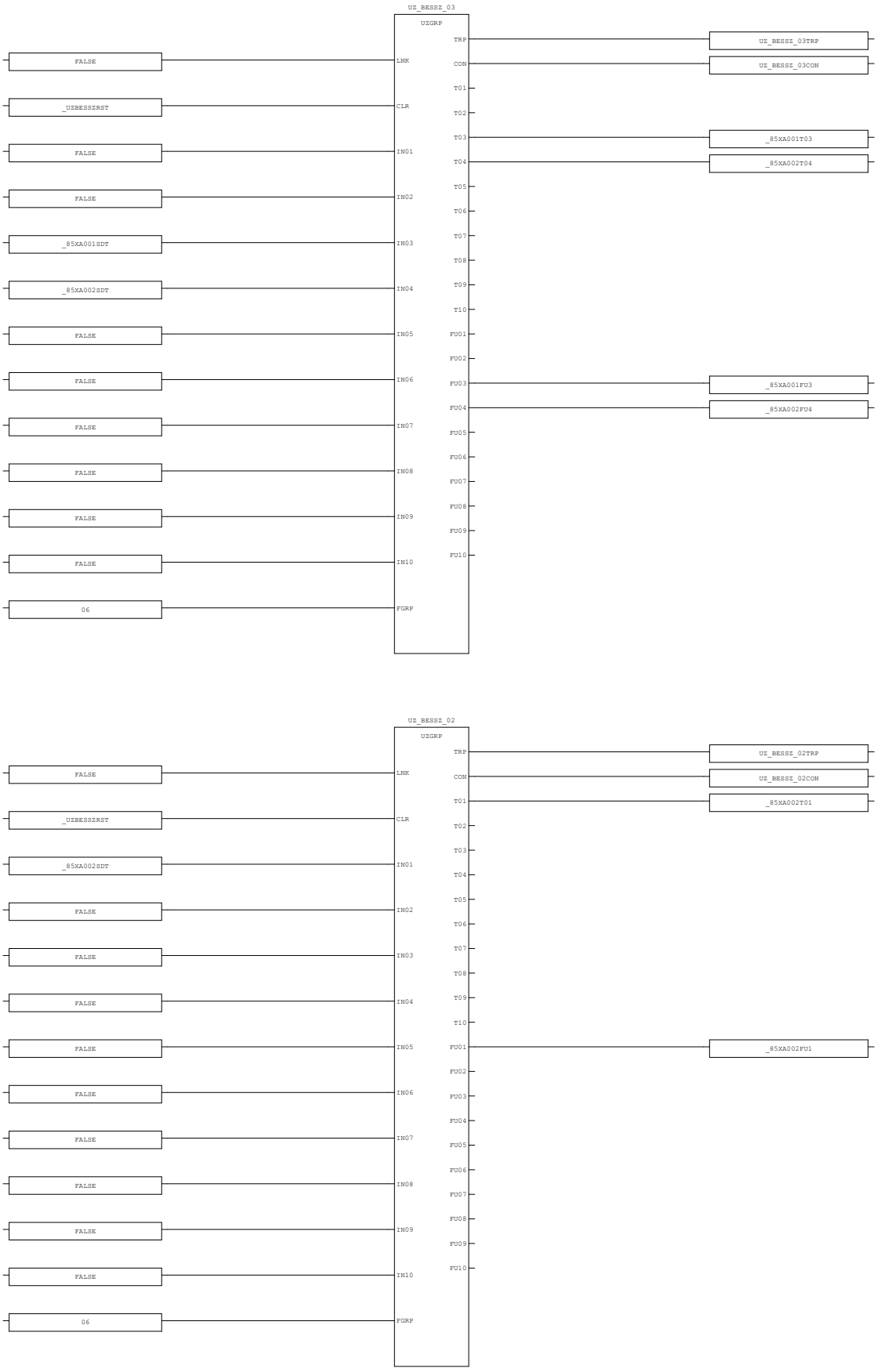
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE121
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

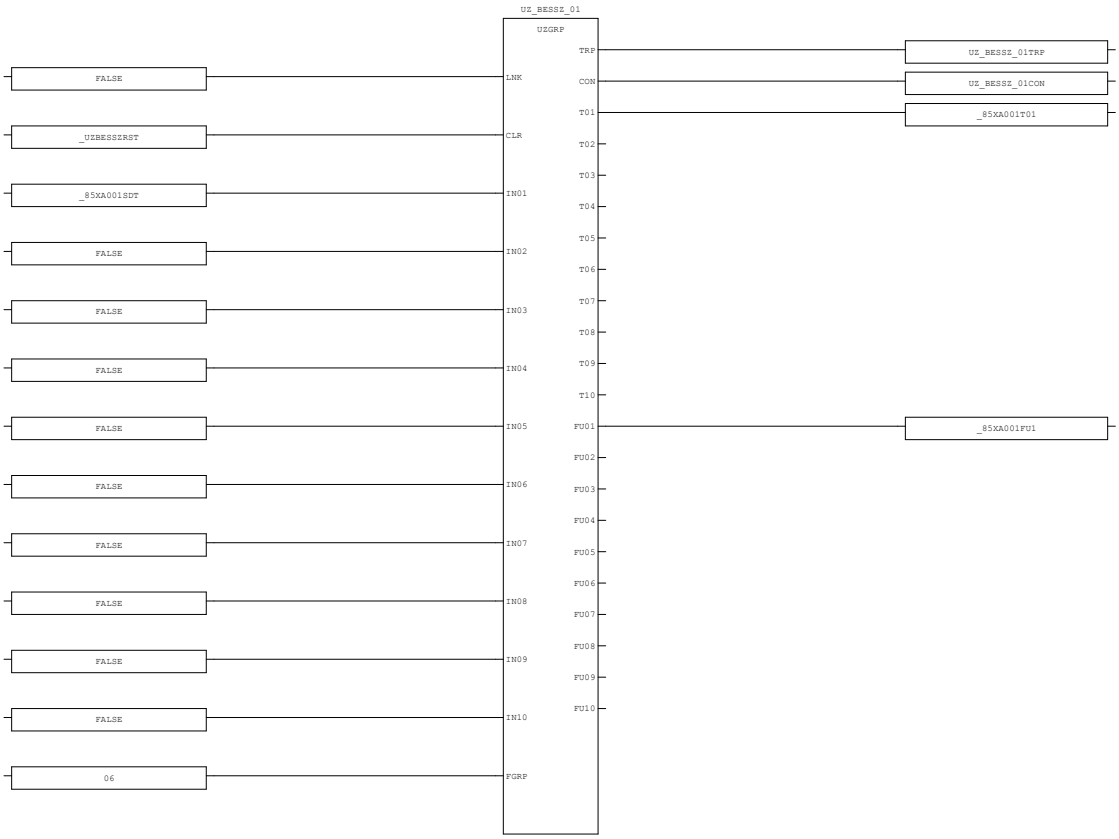


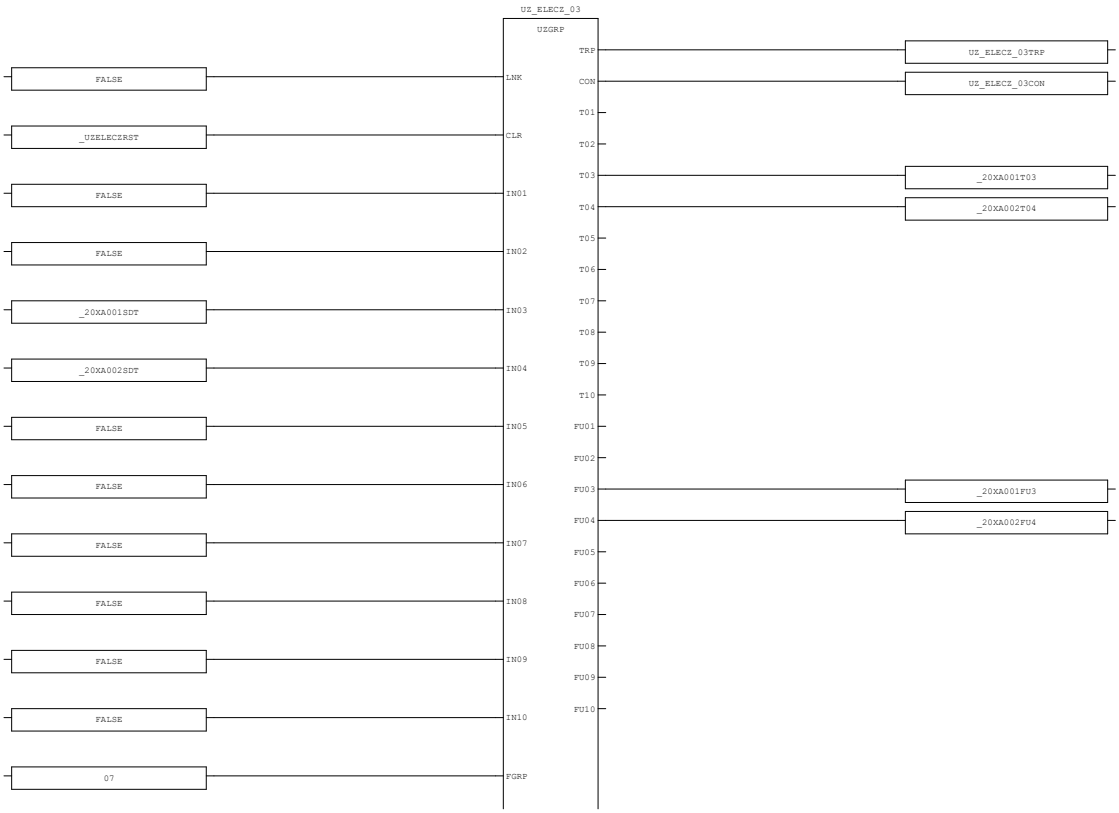


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE122
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
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SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

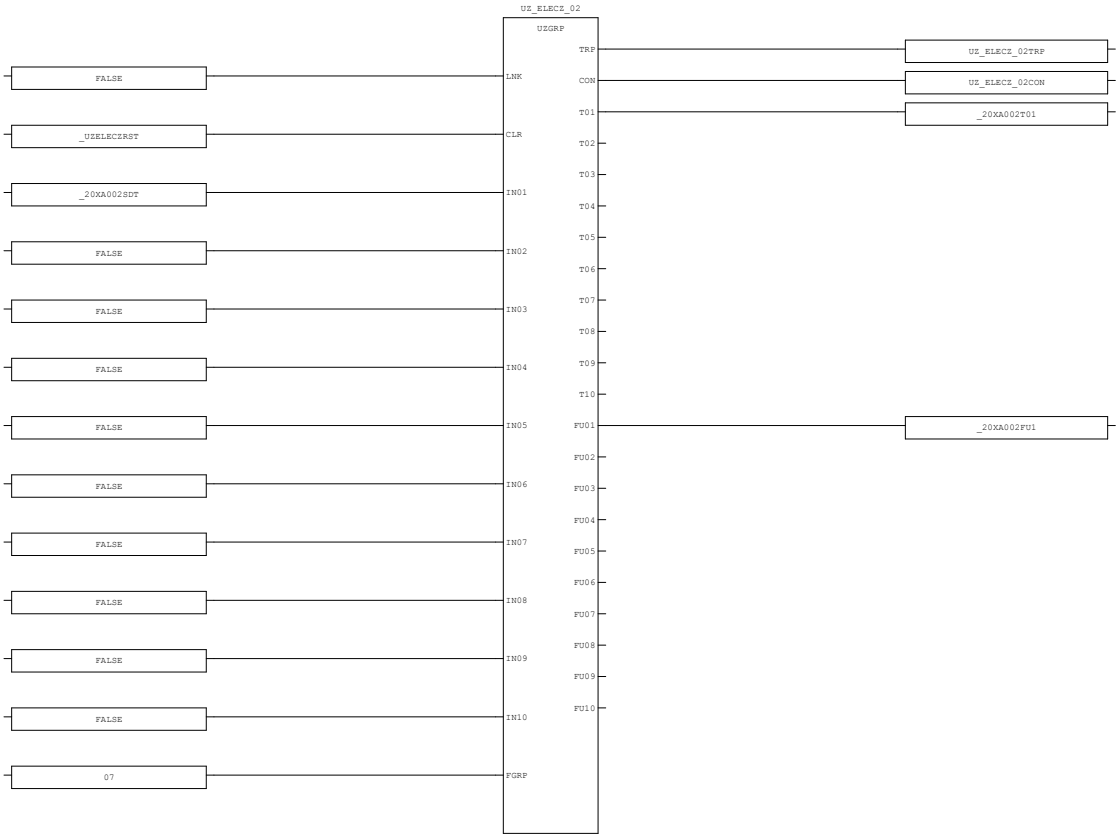
3.37. CE_LOGIC_06 (* C&E Interlock Logic *)

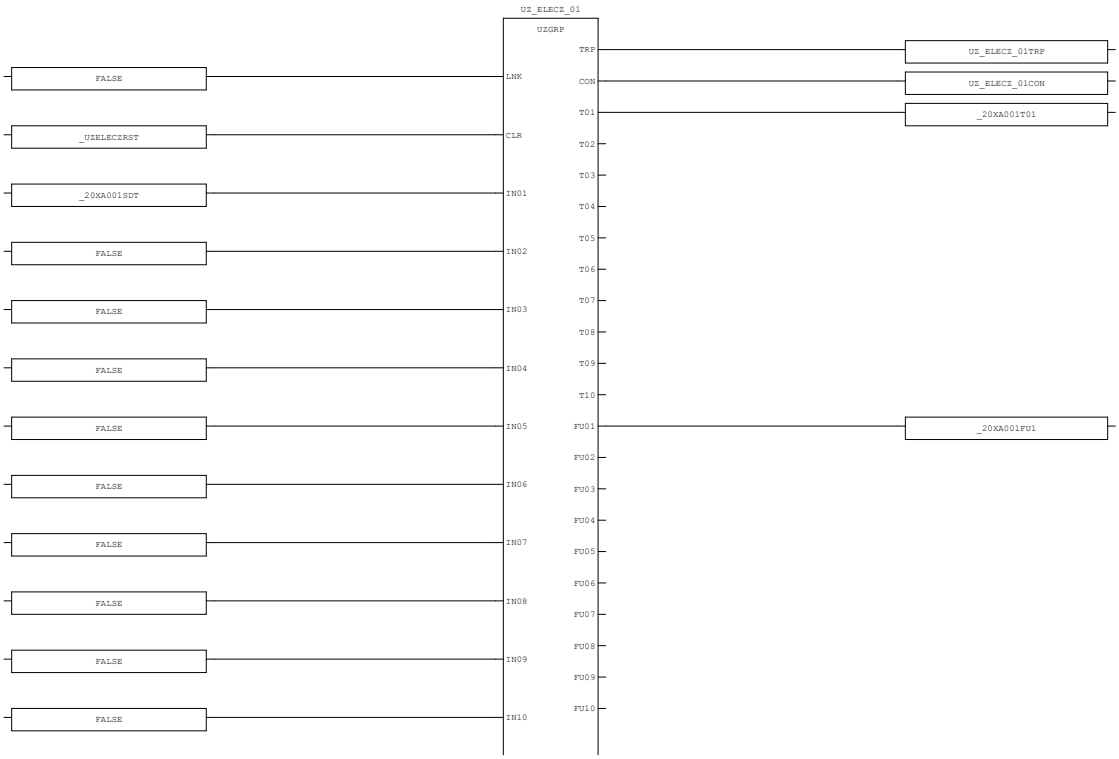






AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE125
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
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SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

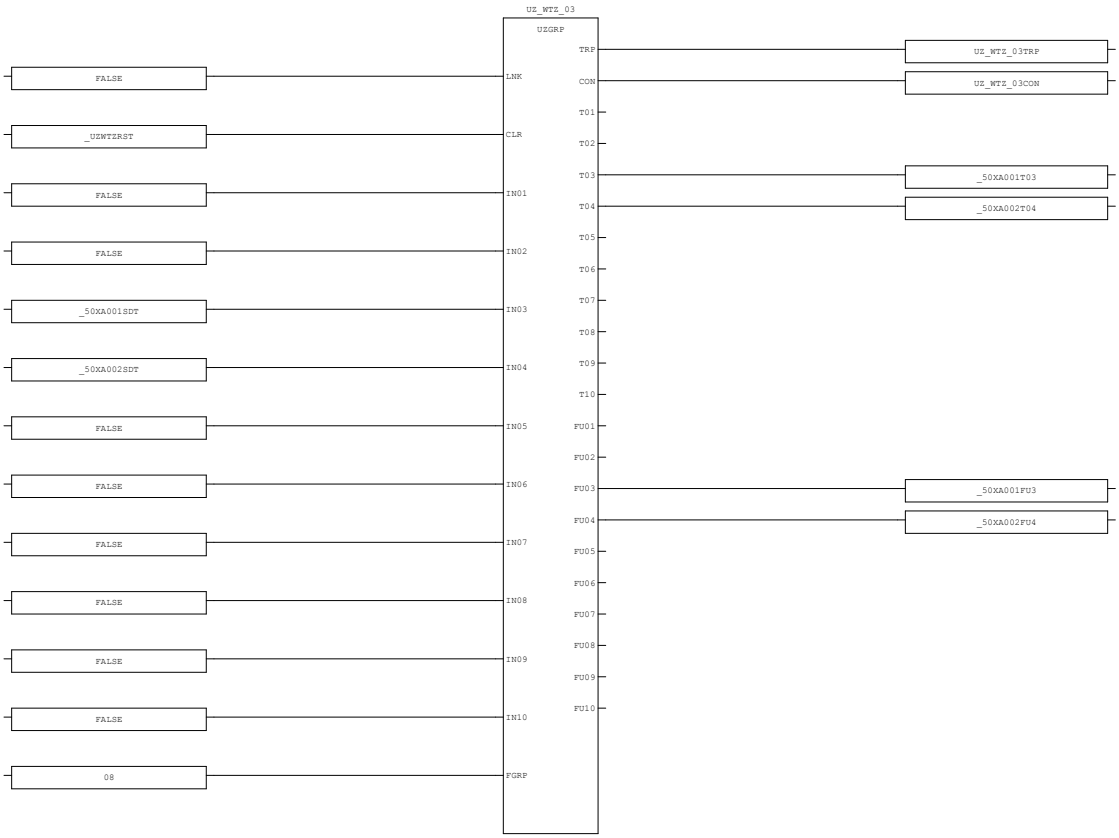


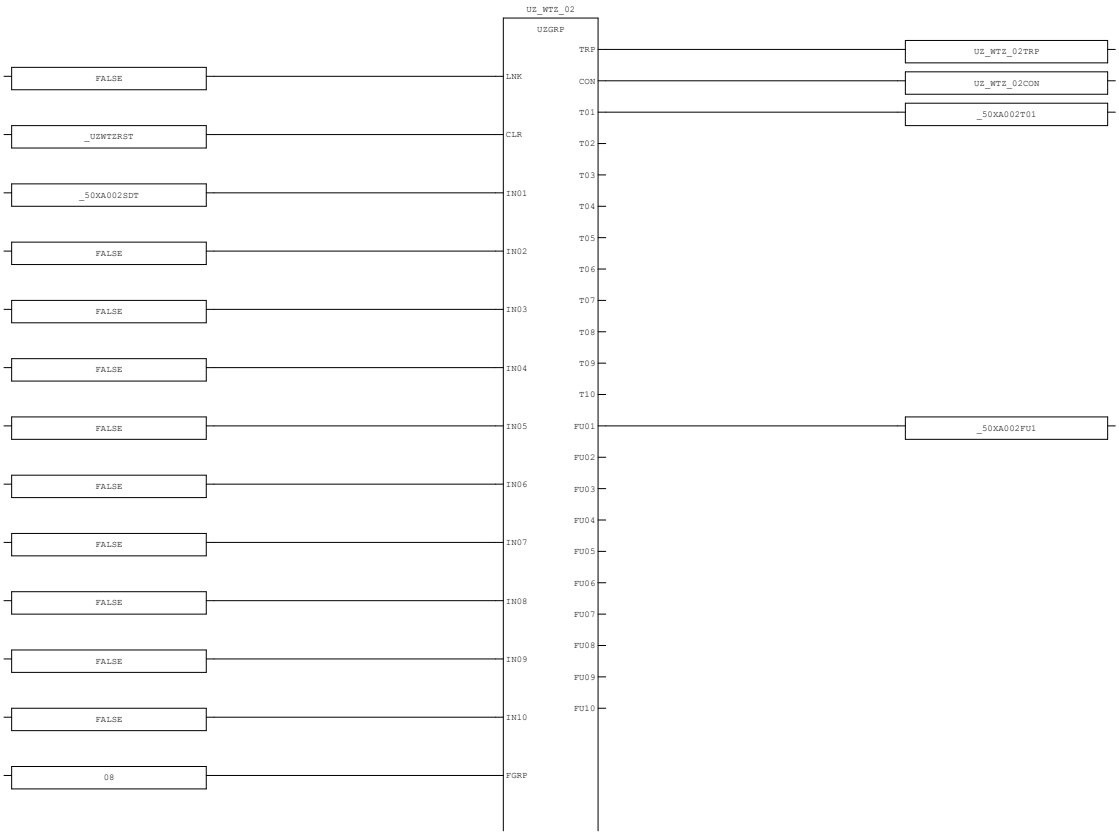


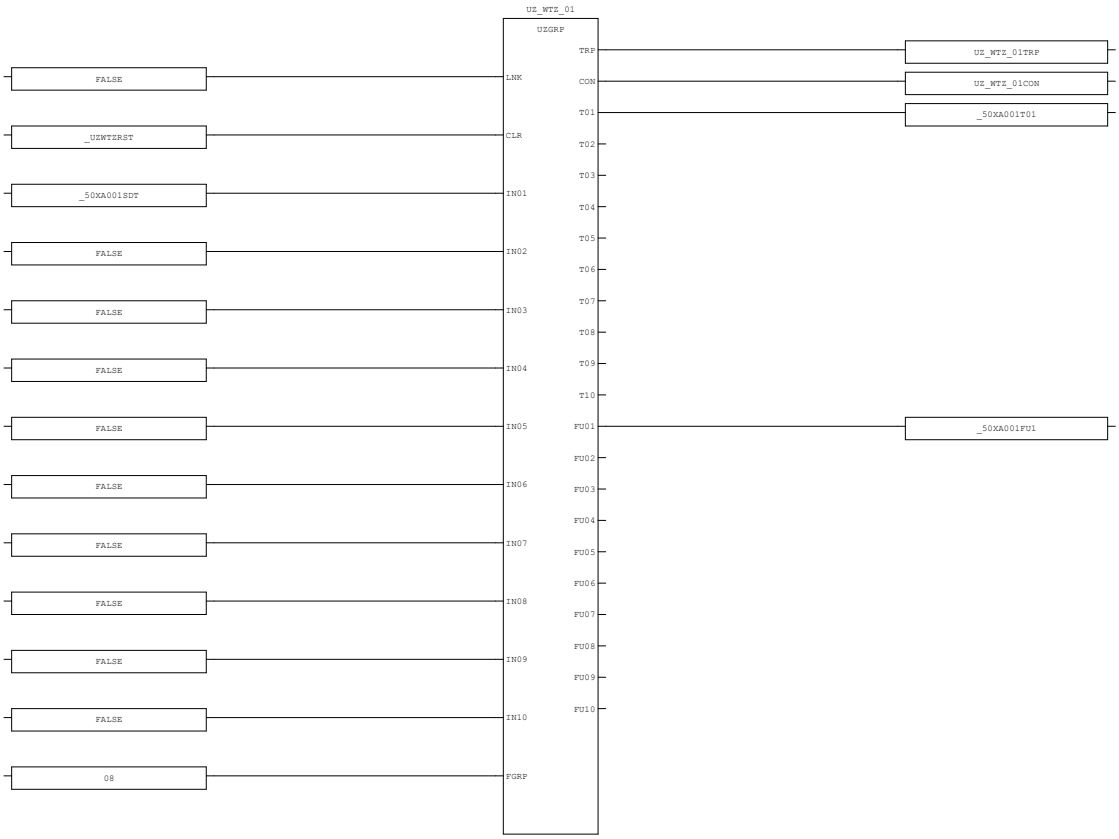
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE126
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

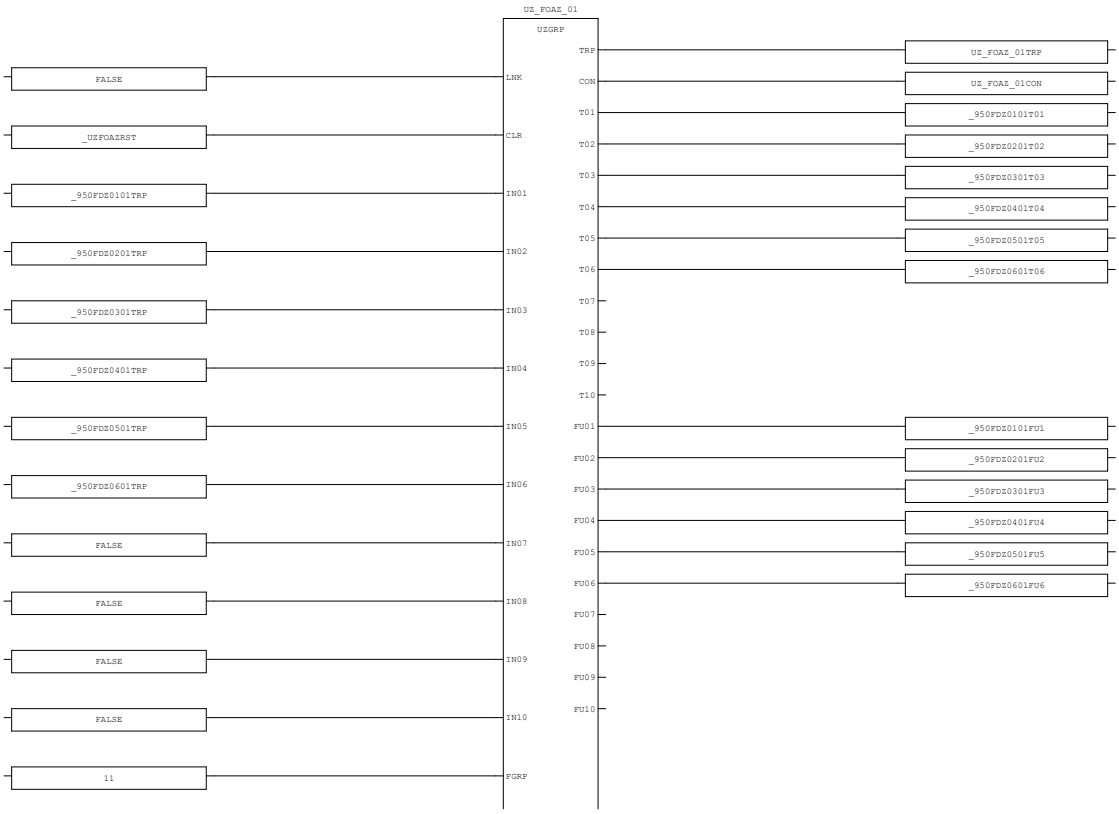

07
FGRP

3.38. CE_LOGIC_07 (* C&E Interlock Logic *)



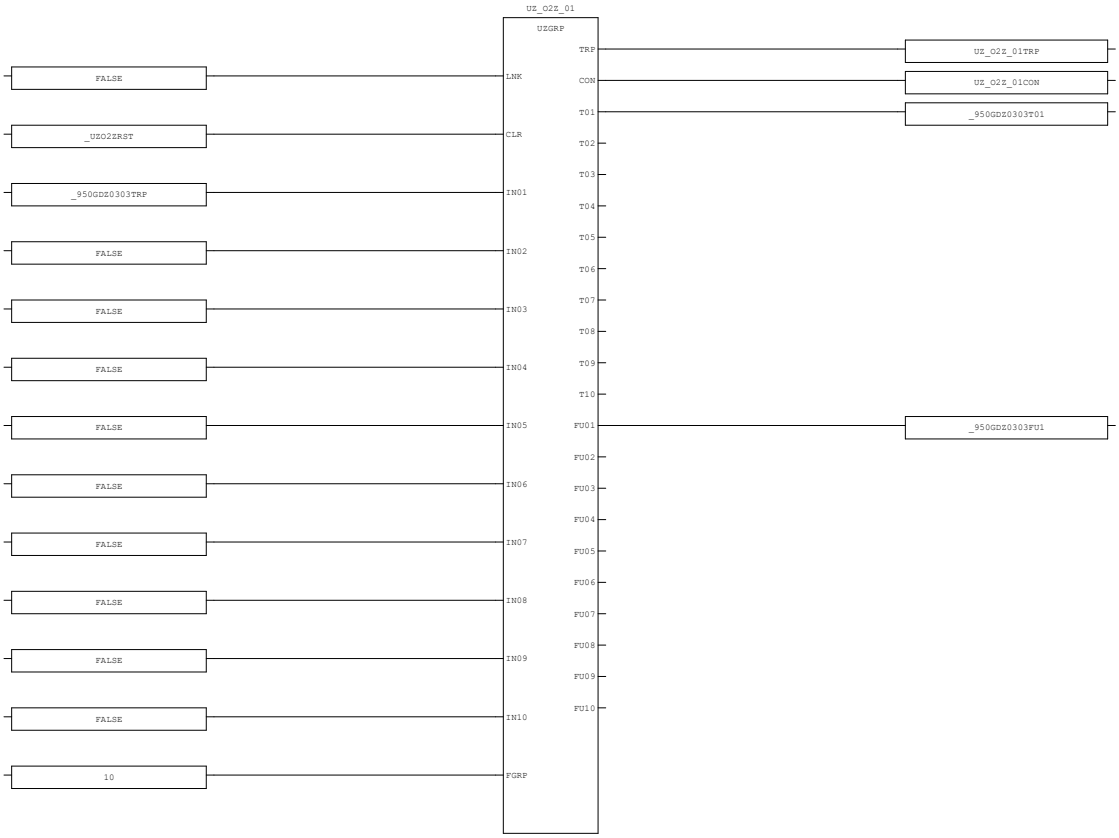


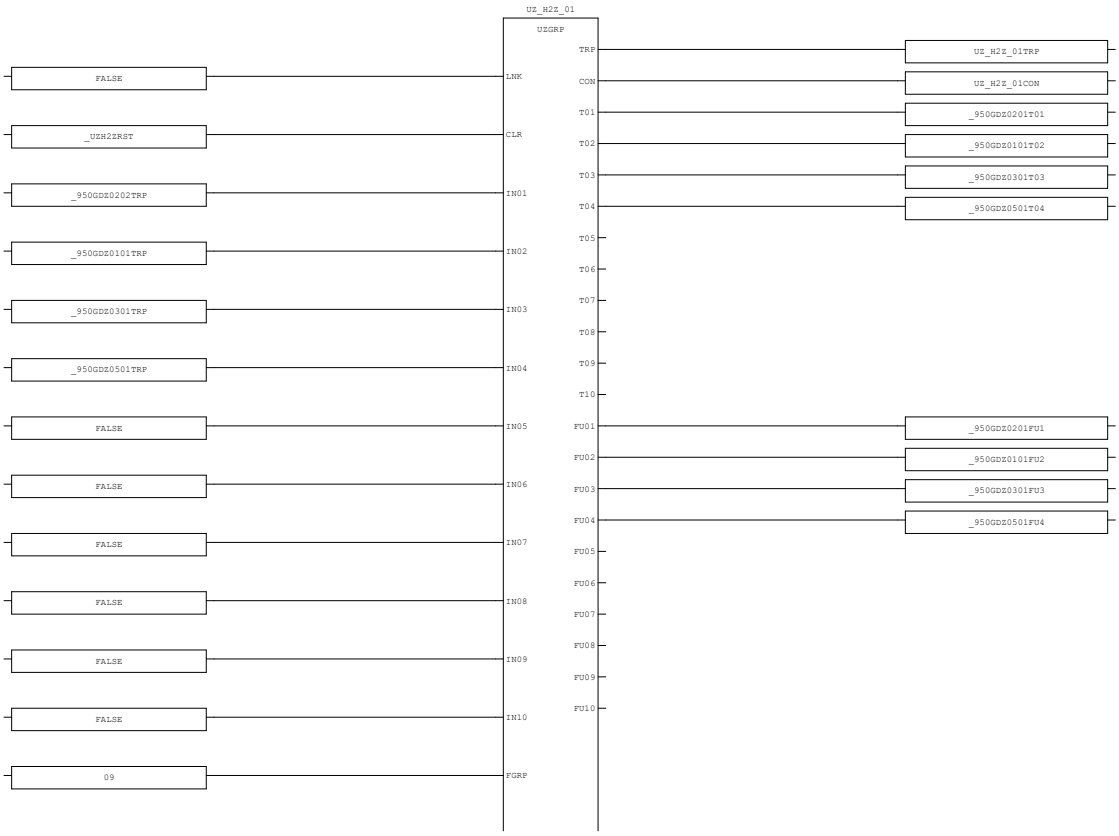


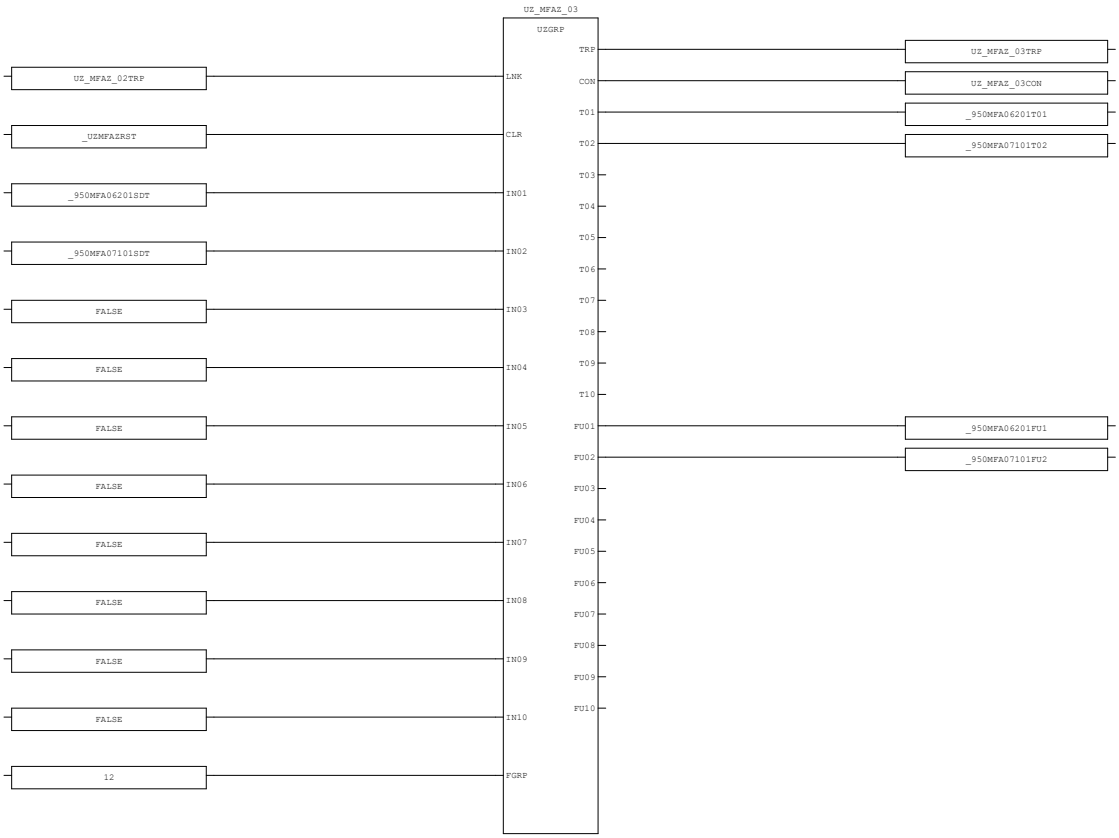


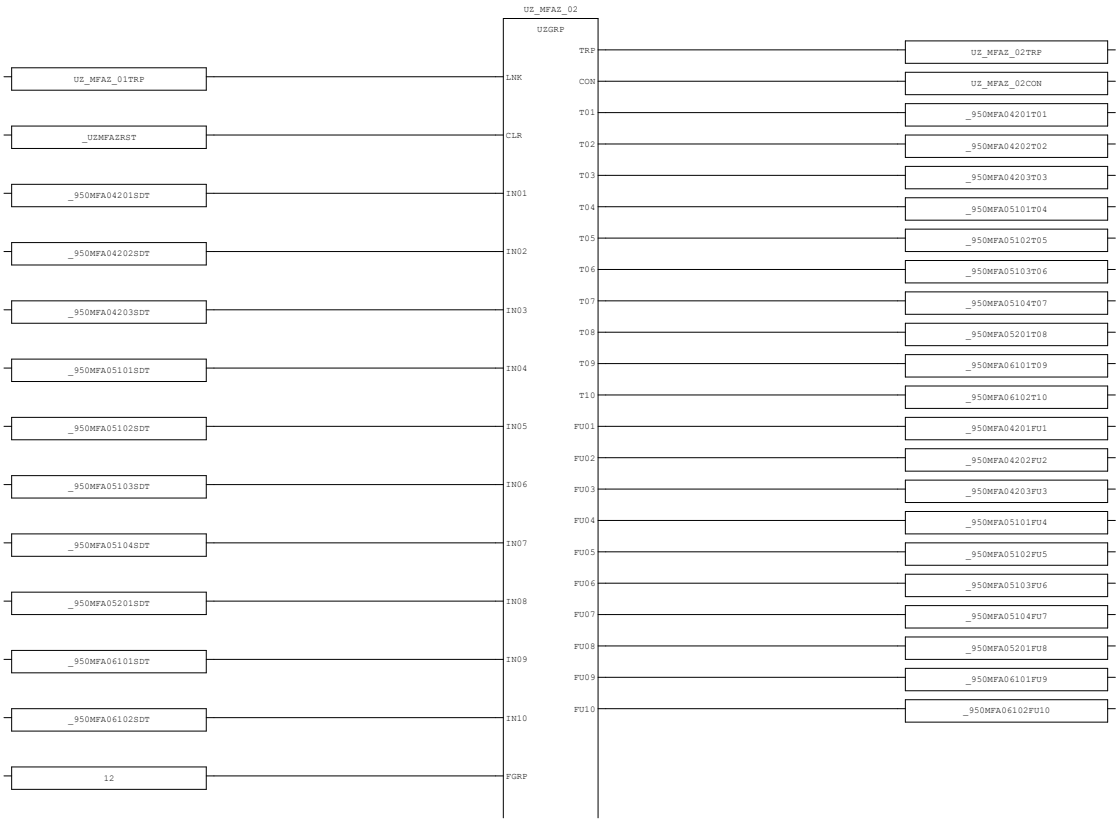
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE129
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

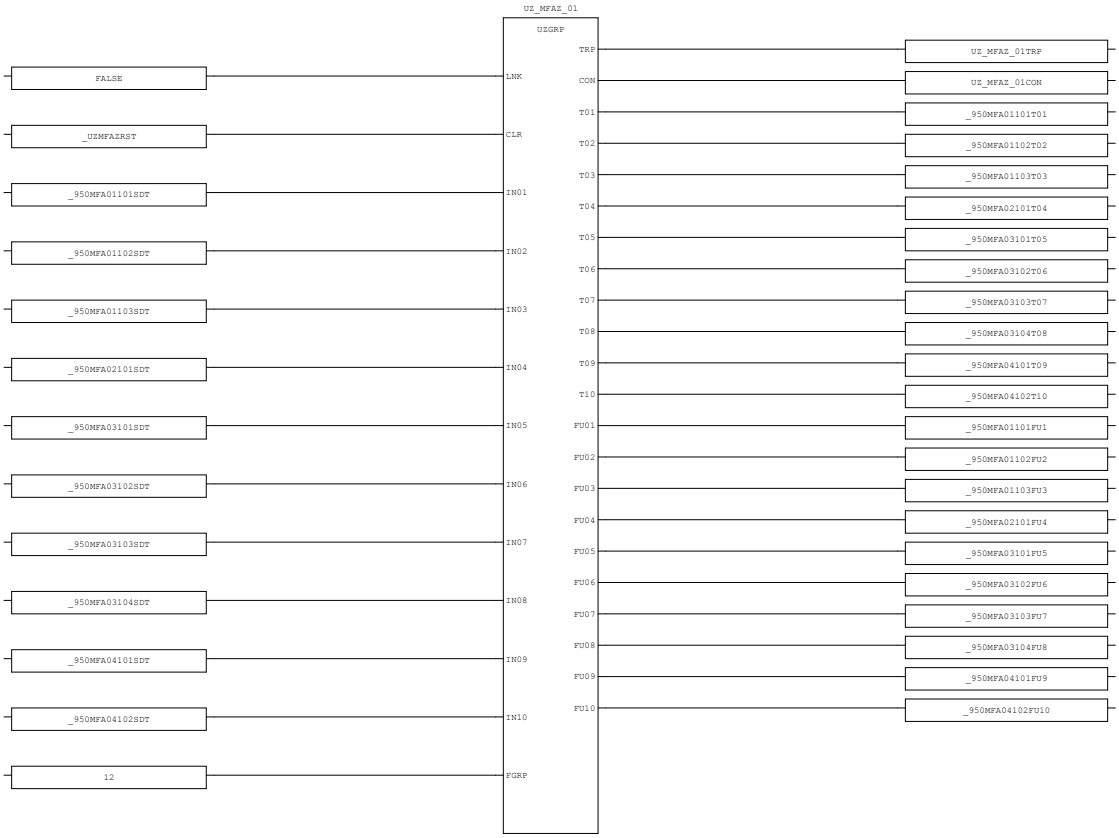
3.39. CE_LOGIC_08 (* C&E Interlock Logic *)



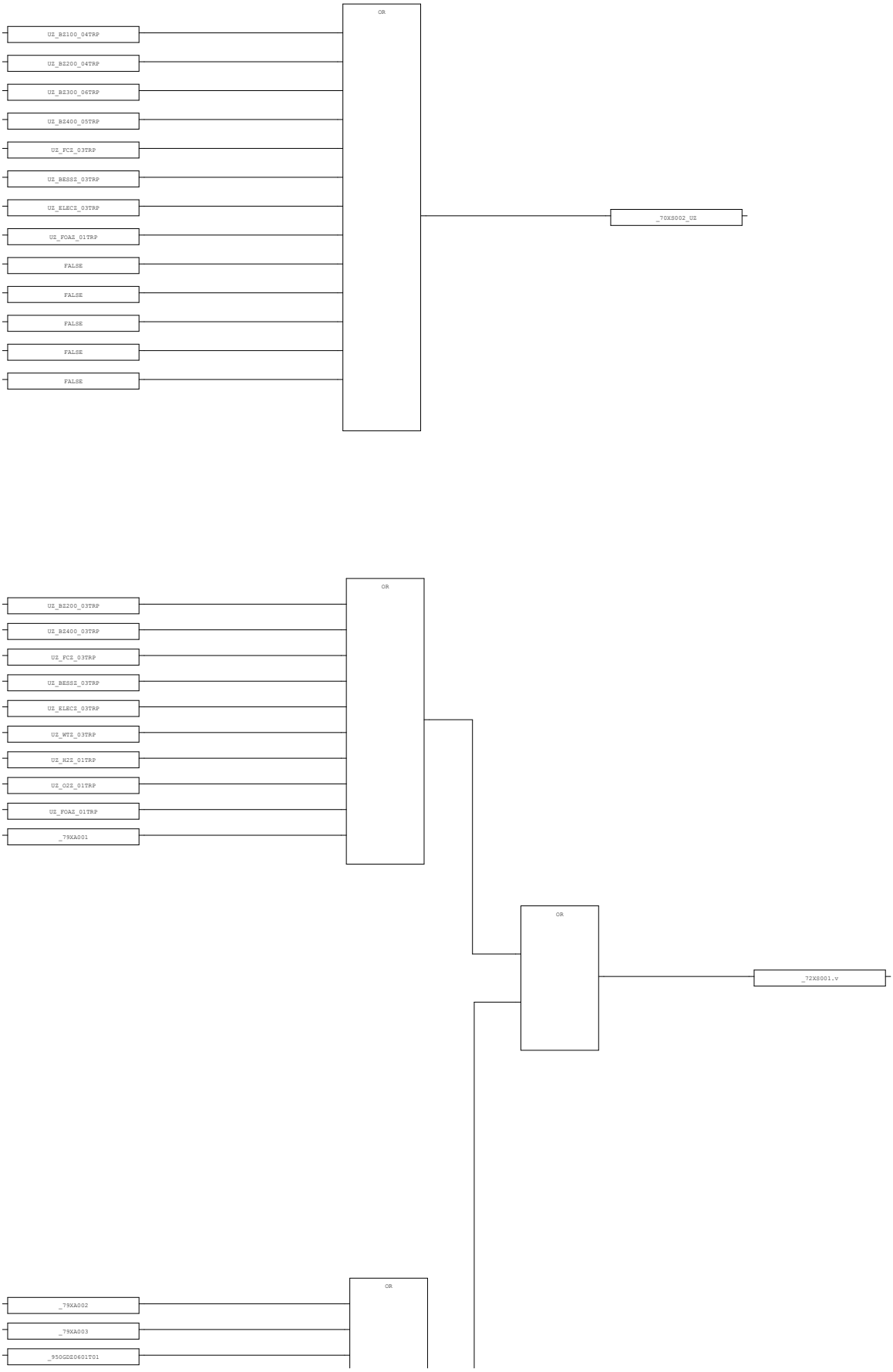



UZ_MFAZ_03
UZGRP
UZ_MFAZ_02TRP
_UZMFAZRST
_950MFA06201SDT
_950MFA07101SDT
FALSE
FALSE
FALSE
FALSE
FALSE
FALSE
FALSE
FALSE
12
LNK
CLR
IN01
IN02
IN03
IN04
IN05
IN06
IN07
IN08
IN09
IN10
FGRP
TRP
CON
T01
T02
T03
T04
T05
T06
T07
T08
T09
T10
FU01
FU02
FU03
FU04
FU05
FU06
FU07
FU08
FU09
FU10
UZ_MFAZ_03TRP
UZ_MFAZ_03CON
_950MFA06201T01
_950MFA07101T02
_950MFA06201FU1
_950MFA07101FU2

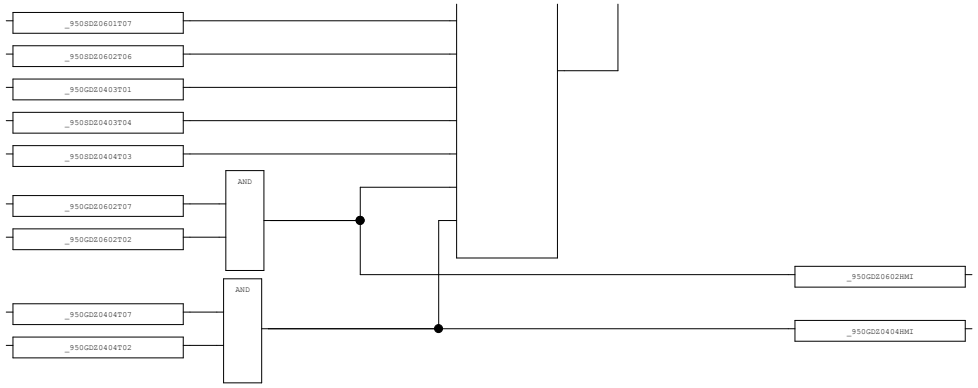

UZ_MFAZ_02
UZGRP
UZ_MFAZ_01TRP
_UZMFAZRST
_950MFA04201SDT
_950MFA04202SDT
_950MFA04203SDT
_950MFA05101SDT
_950MFA05102SDT
_950MFA05103SDT
_950MFA05104SDT
_950MFA05201SDT
_950MFA06101SDT
_950MFA06102SDT
12
LNK
CLR
IN01
IN02
IN03
IN04
IN05
IN06
IN07
IN08
IN09
IN10
FGRP
TRP
CON
T01
T02
T03
T04
T05
T06
T07
T08
T09
T10
FU01
FU02
FU03
FU04
FU05
FU06
FU07
FU08
FU09
FU10
UZ_MFAZ_02TRP
UZ_MFAZ_02CON
_950MFA04201T01
_950MFA04202T02
_950MFA04203T03
_950MFA05101T04
_950MFA05102T05
_950MFA05103T06
_950MFA05104T07
_950MFA05201T08
_950MFA06101T09
_950MFA06102T10
_950MFA04201FU1
_950MFA04202FU2
_950MFA04203FU3
_950MFA05101FU4
_950MFA05102FU5
_950MFA05103FU6
_950MFA05104FU7
_950MFA05201FU8
_950MFA06101FU9
_950MFA06102FU10

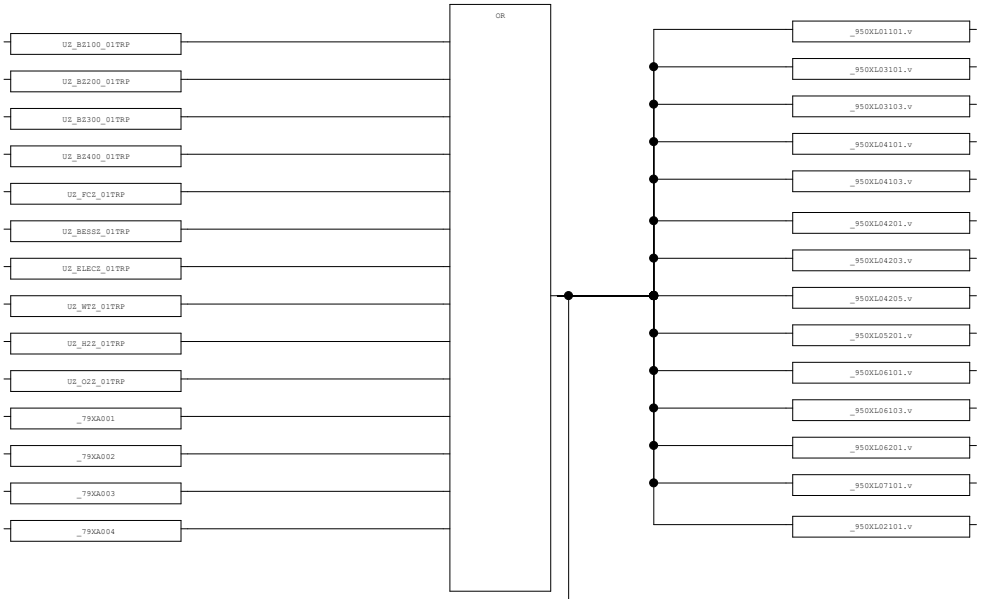

UZ_MFAZ_01
UZGRP
FALSE
LNK
_UZMFAZRST
CLR
_950MFA01101SDT
IN01
_950MFA01102SDT
IN02
_950MFA01103SDT
IN03
_950MFA02101SDT
IN04
_950MFA03101SDT
IN05
_950MFA03102SDT
IN06
_950MFA03103SDT
IN07
_950MFA03104SDT
IN08
_950MFA04101SDT
IN09
_950MFA04102SDT
IN10
12
FGRP
TRP
CON
T01
T02
T03
T04
T05
T06
T07
T08
T09
T10
FU01
FU02
FU03
FU04
FU05
FU06
FU07
FU08
FU09
FU10
UZ_MFAZ_01TRP
UZ_MFAZ_01CON
_950MFA01101T01
_950MFA01102T02
_950MFA01103T03
_950MFA02101T04
_950MFA03101T05
_950MFA03102T06
_950MFA03103T07
_950MFA03104T08
_950MFA04101T09
_950MFA04102T10
_950MFA01101FU1
_950MFA01102FU2
_950MFA01103FU3
_950MFA02101FU4
_950MFA03101FU5
_950MFA03102FU6
_950MFA03103FU7
_950MFA03104FU8
_950MFA04101FU9
_950MFA04102FU10

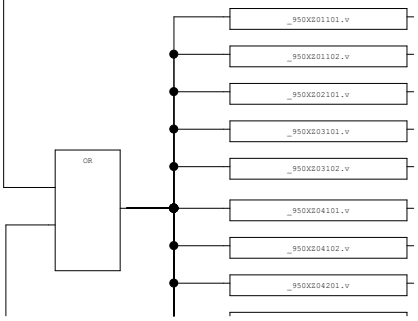
3.40. DO1 (* Digital Output Processing *)



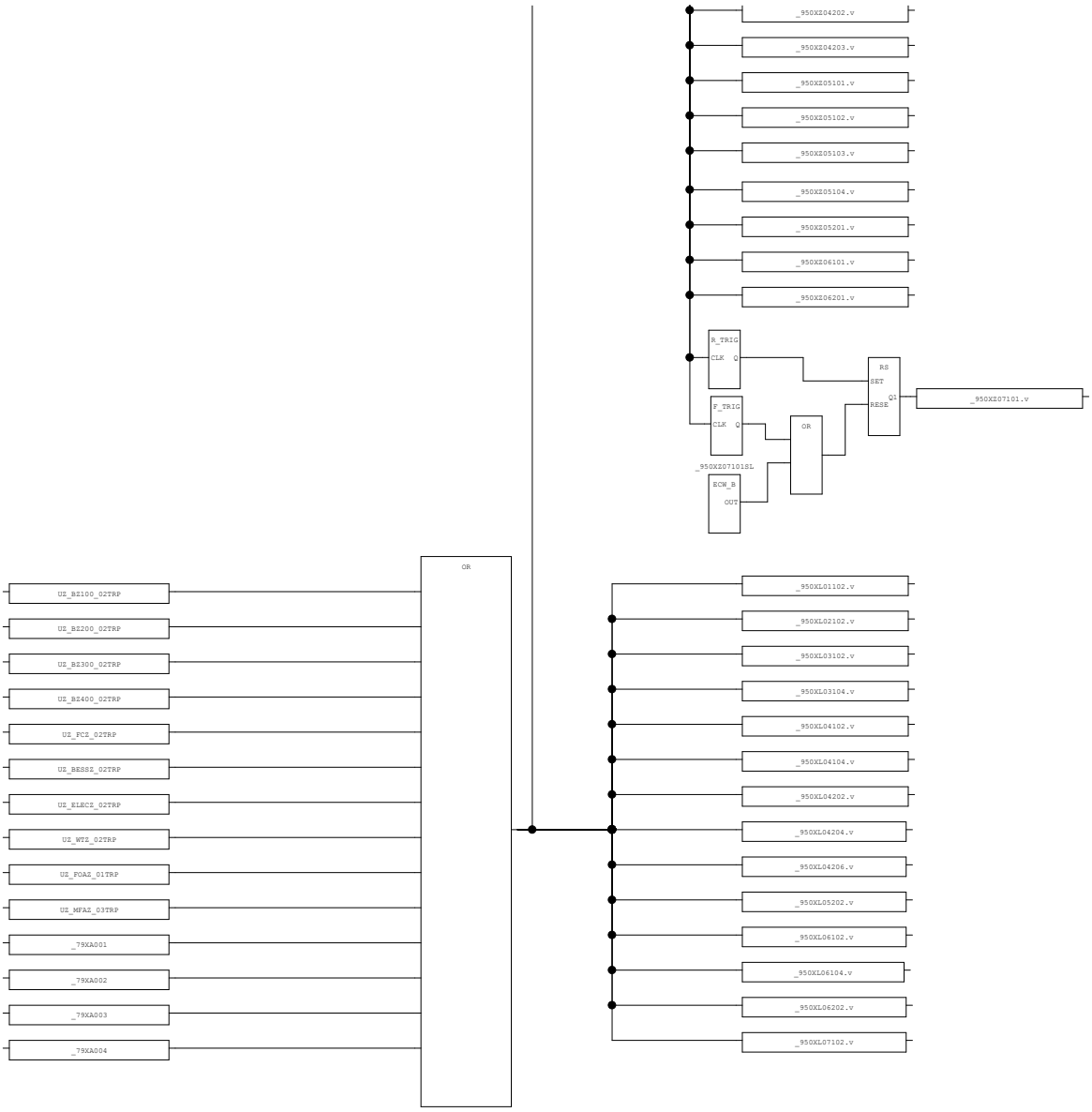
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE134
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		





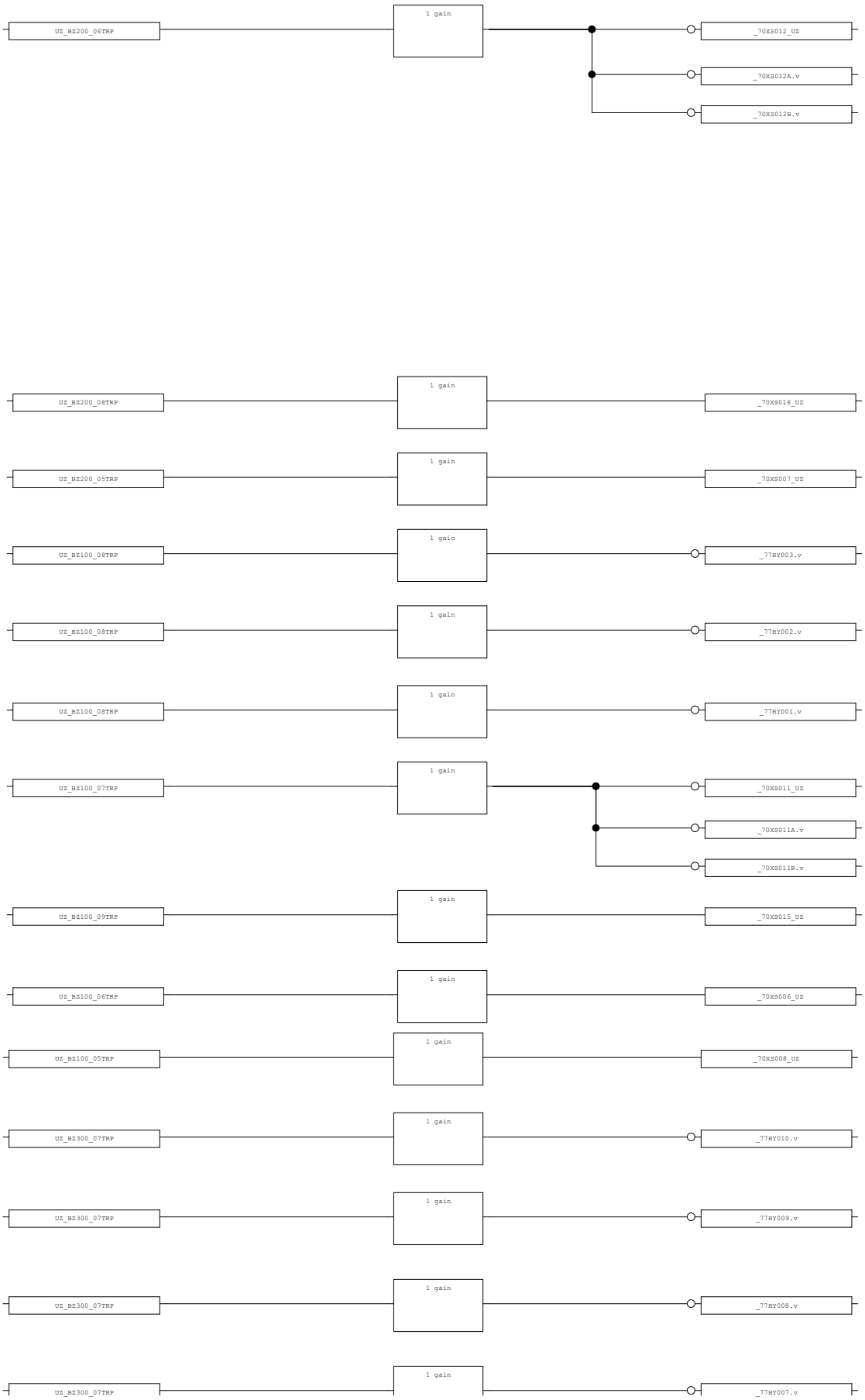


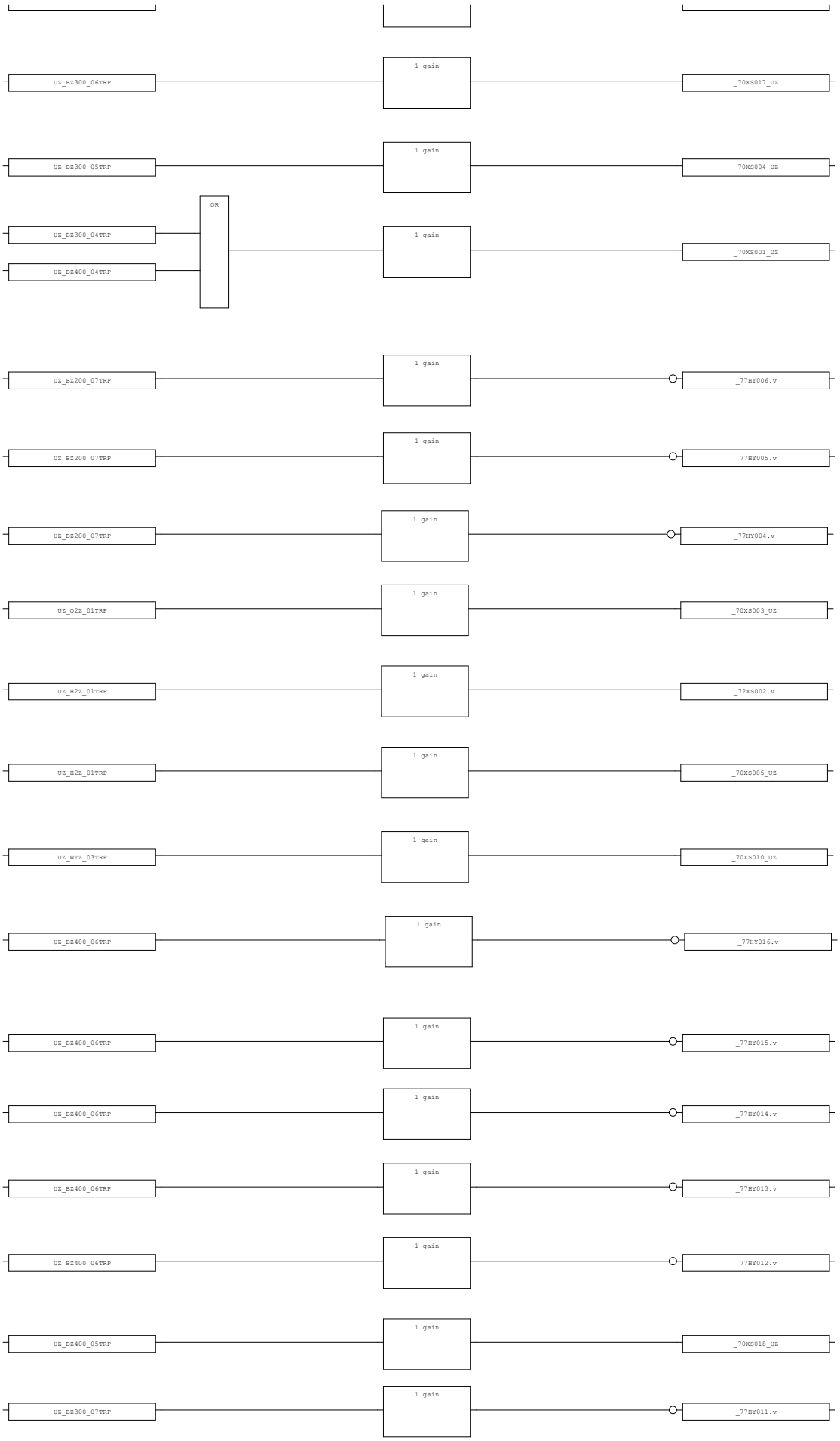
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE135
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



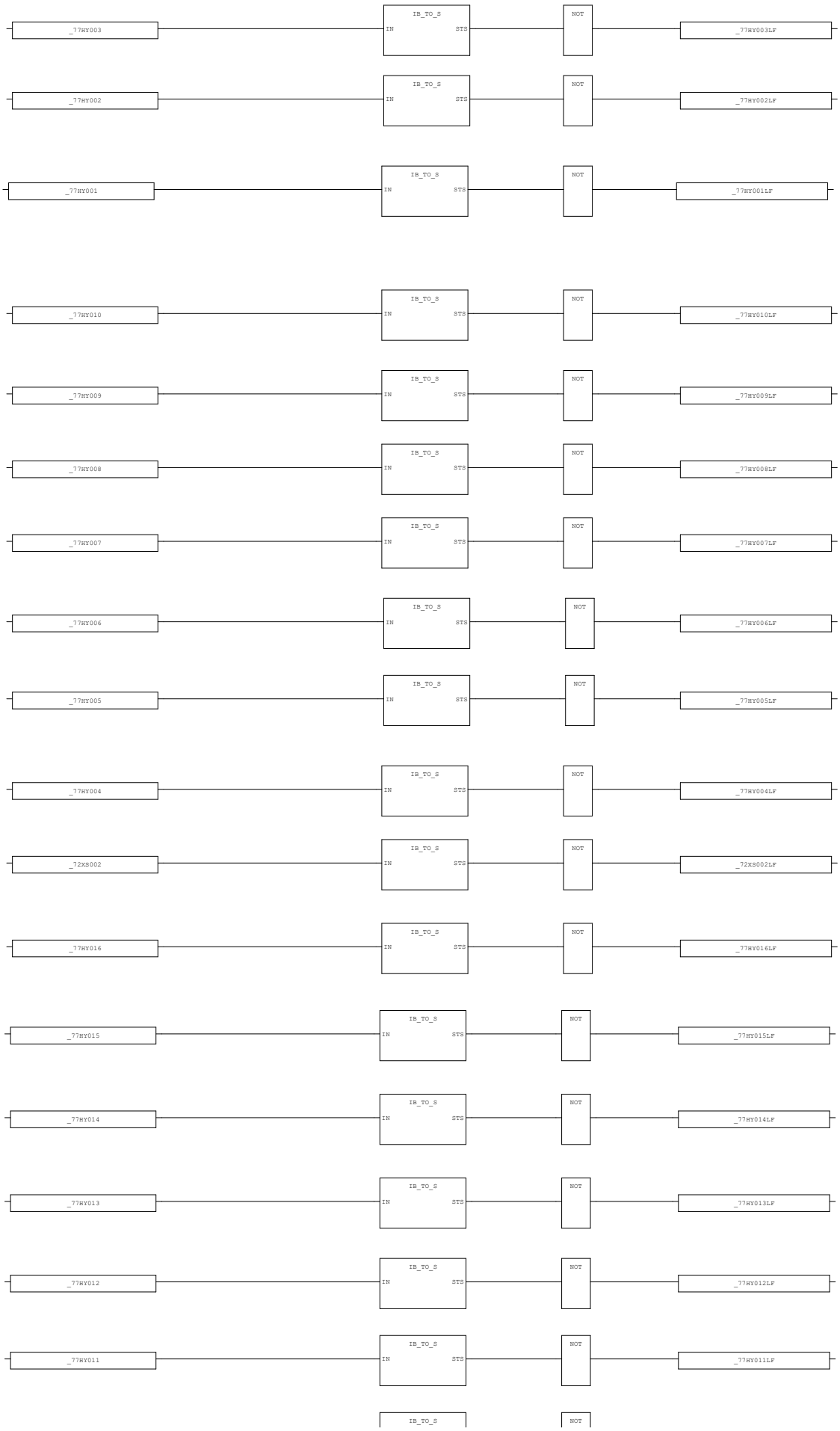
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE136
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.41. DO2 (* Digital Output Processing *)

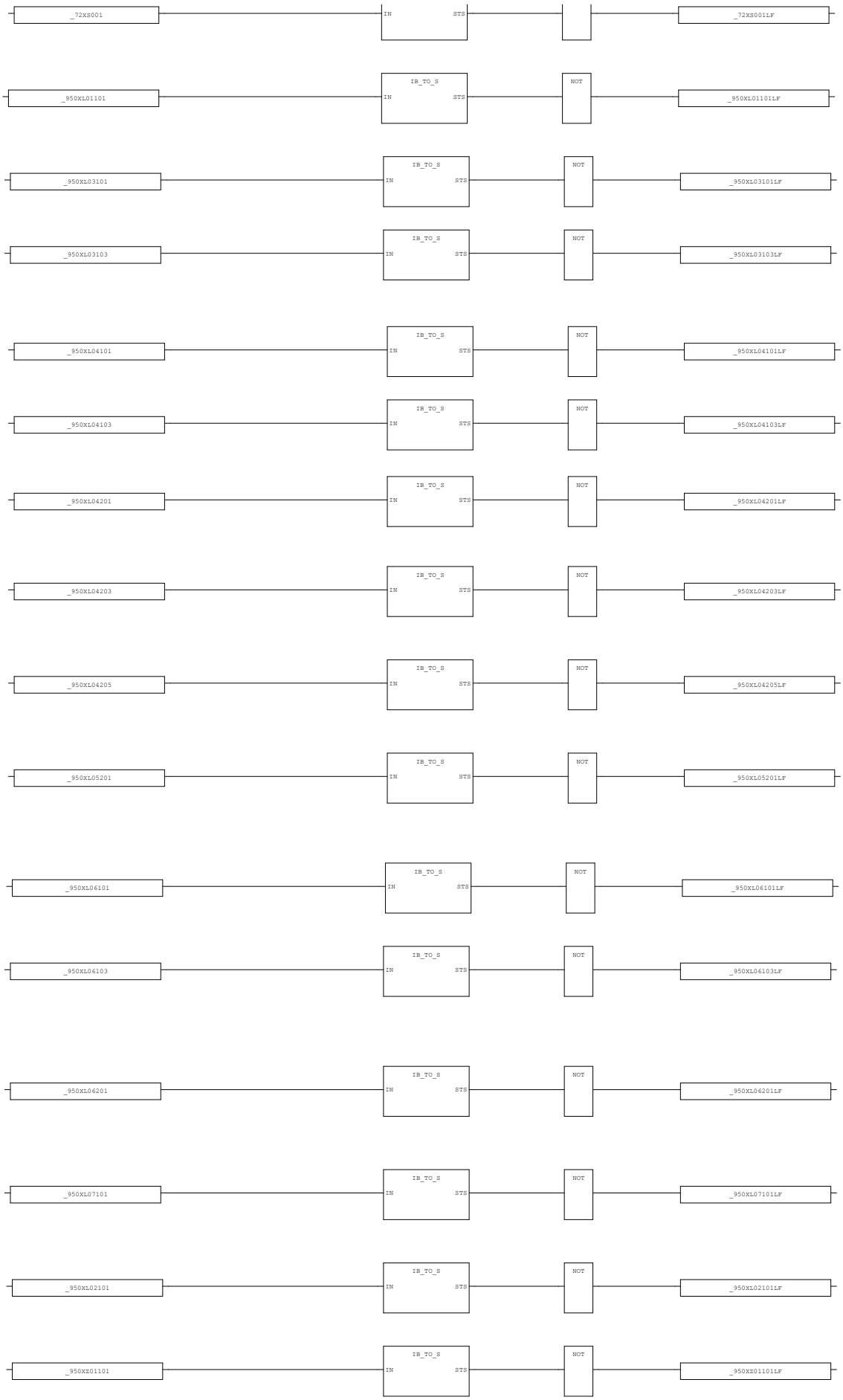




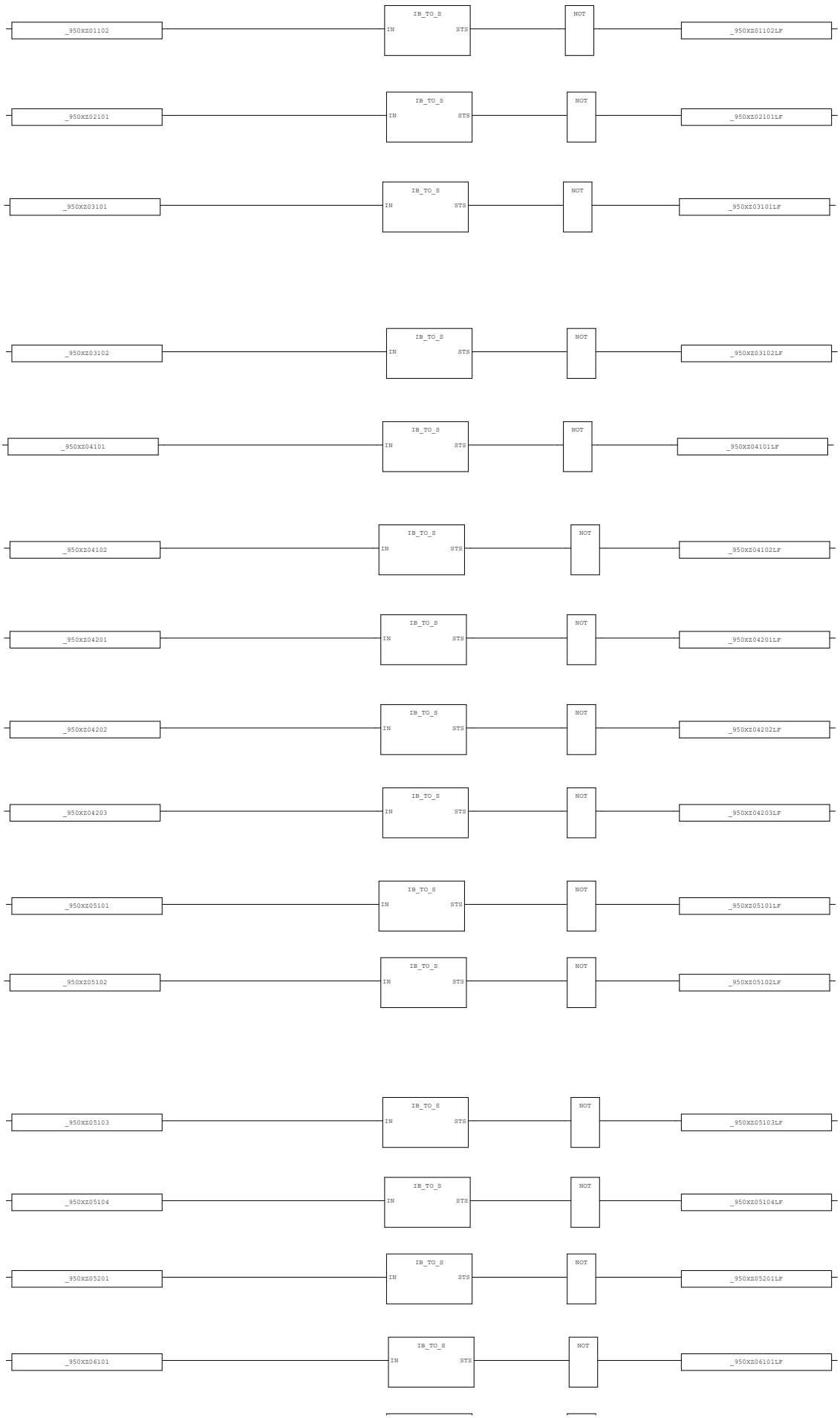
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE138
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



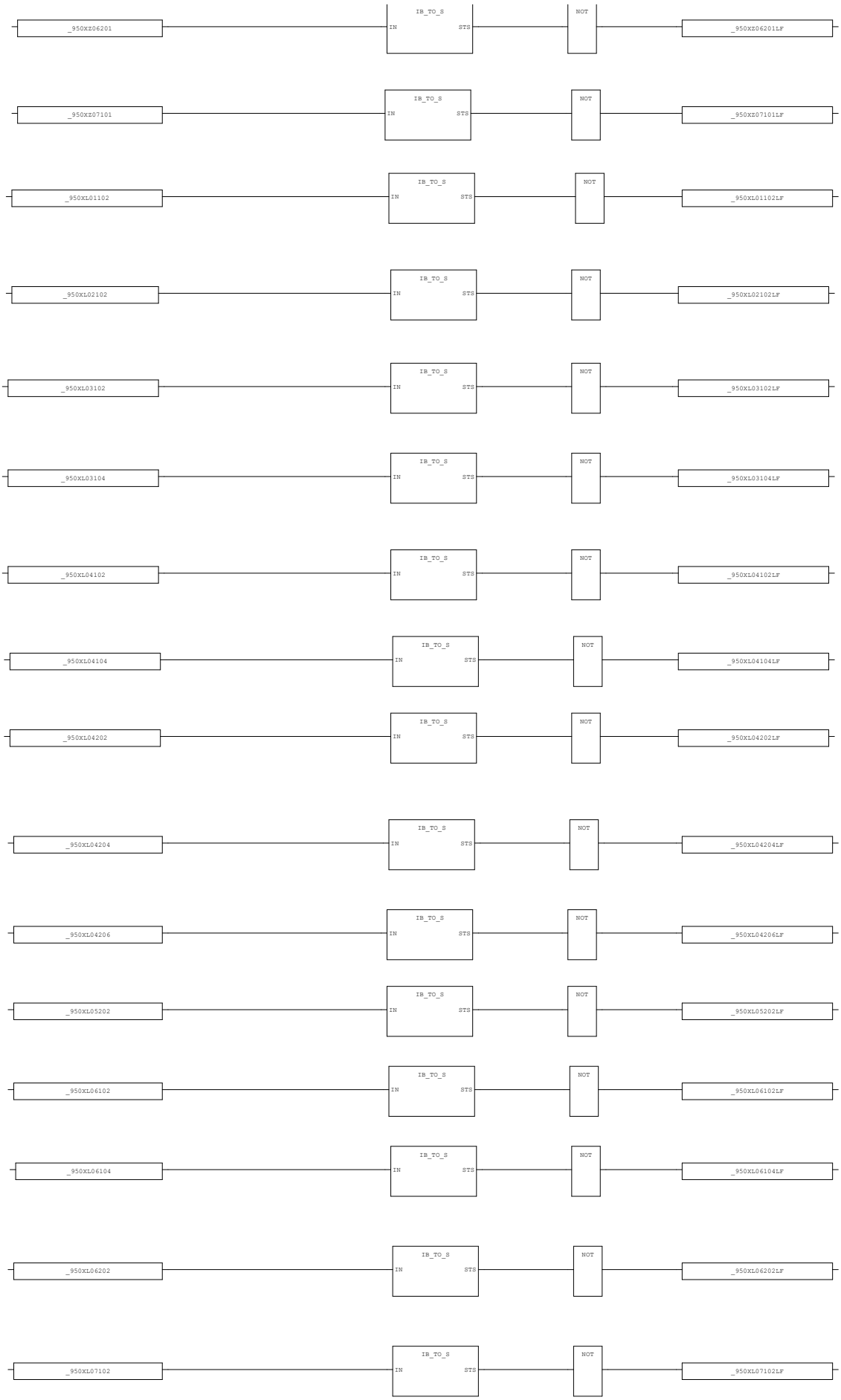
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE139
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE140
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
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SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

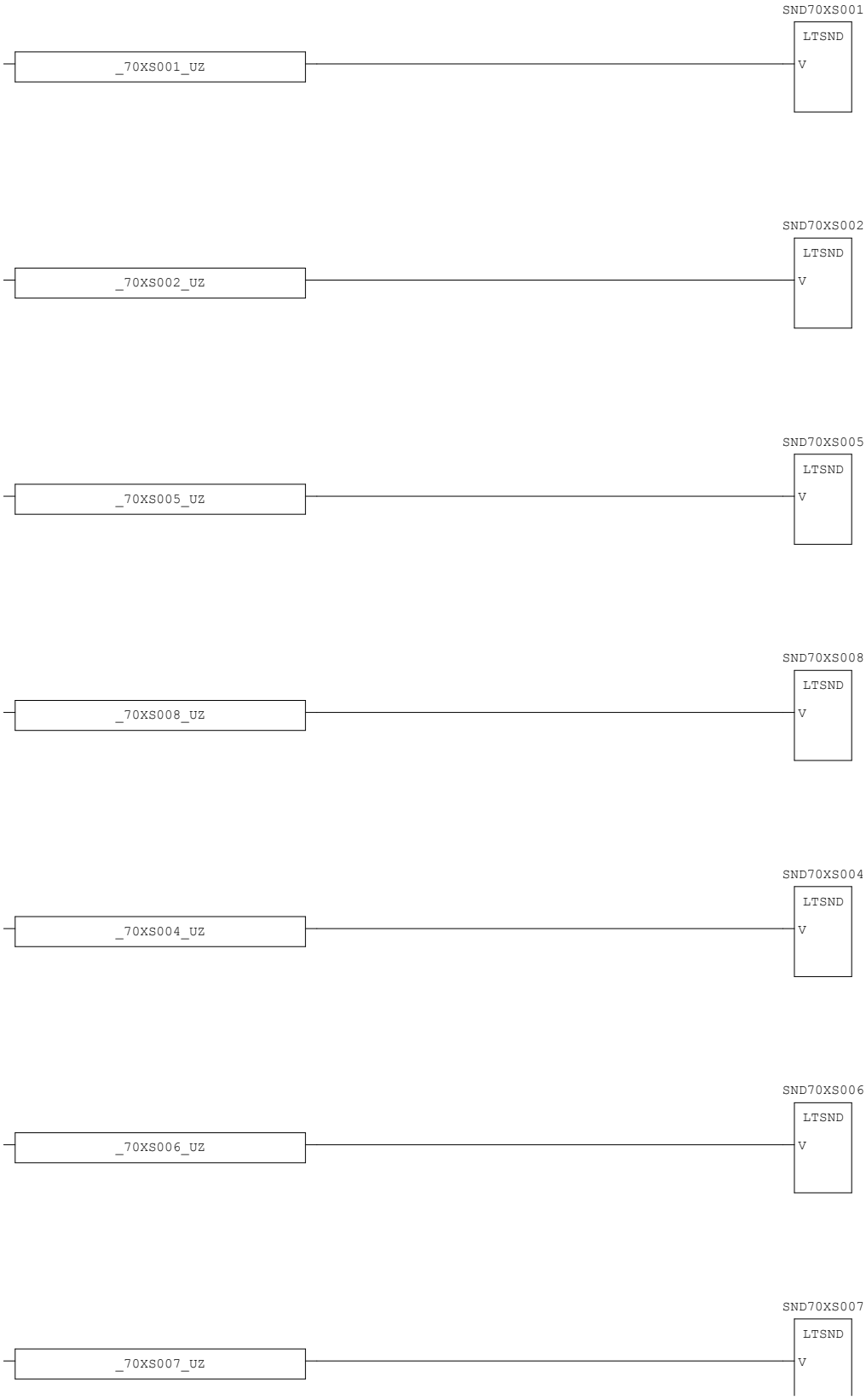


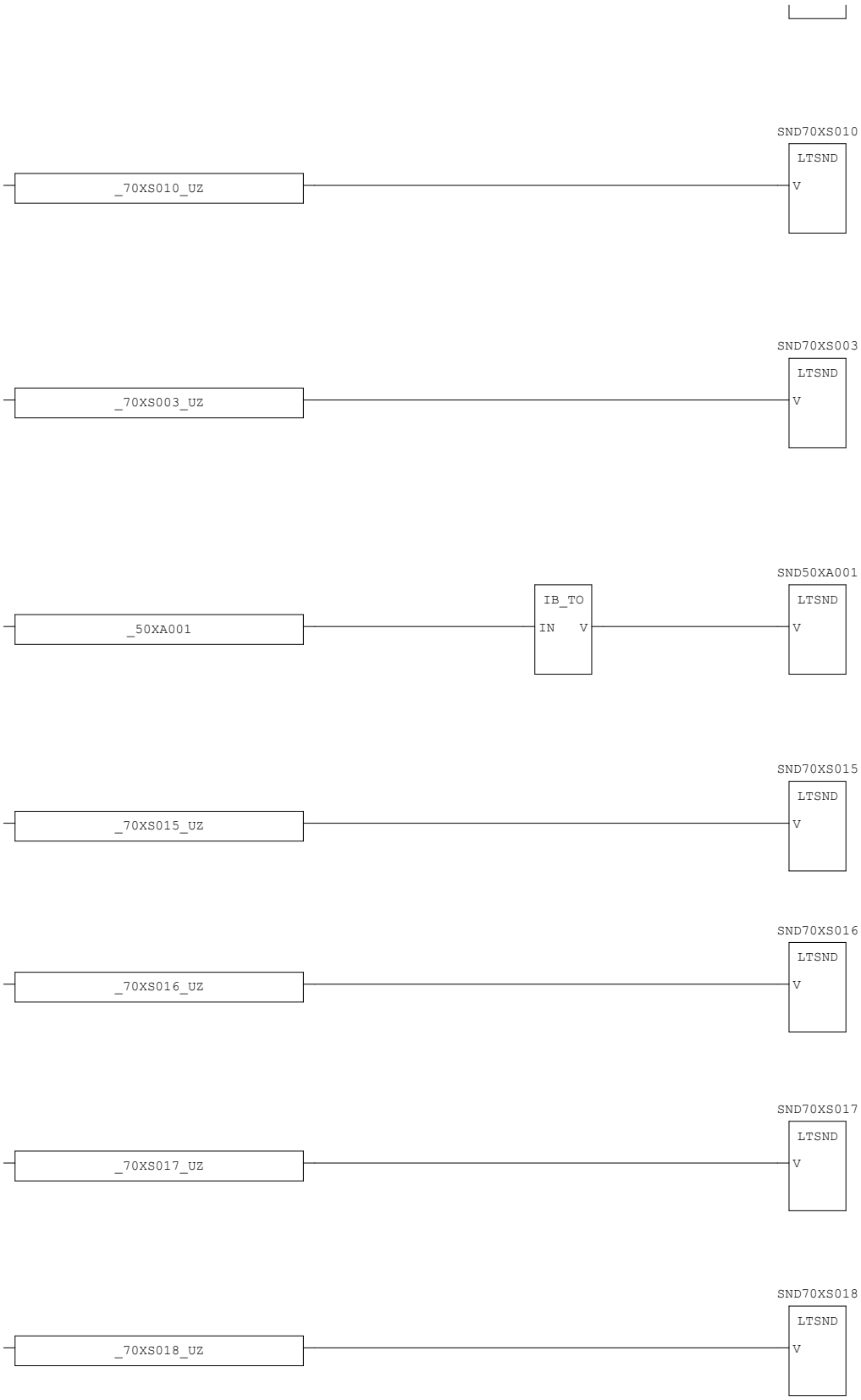
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE141
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE142
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
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SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

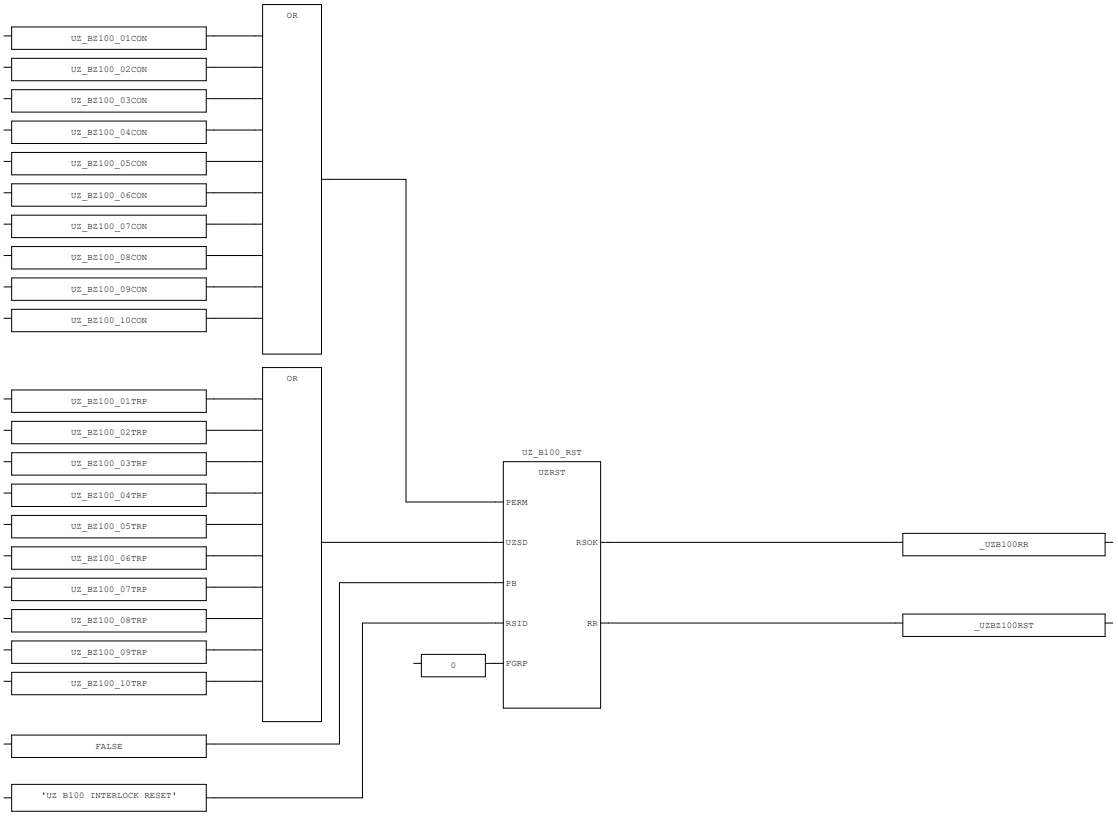
3.42. SEND (* Signal Transfer - Send *)

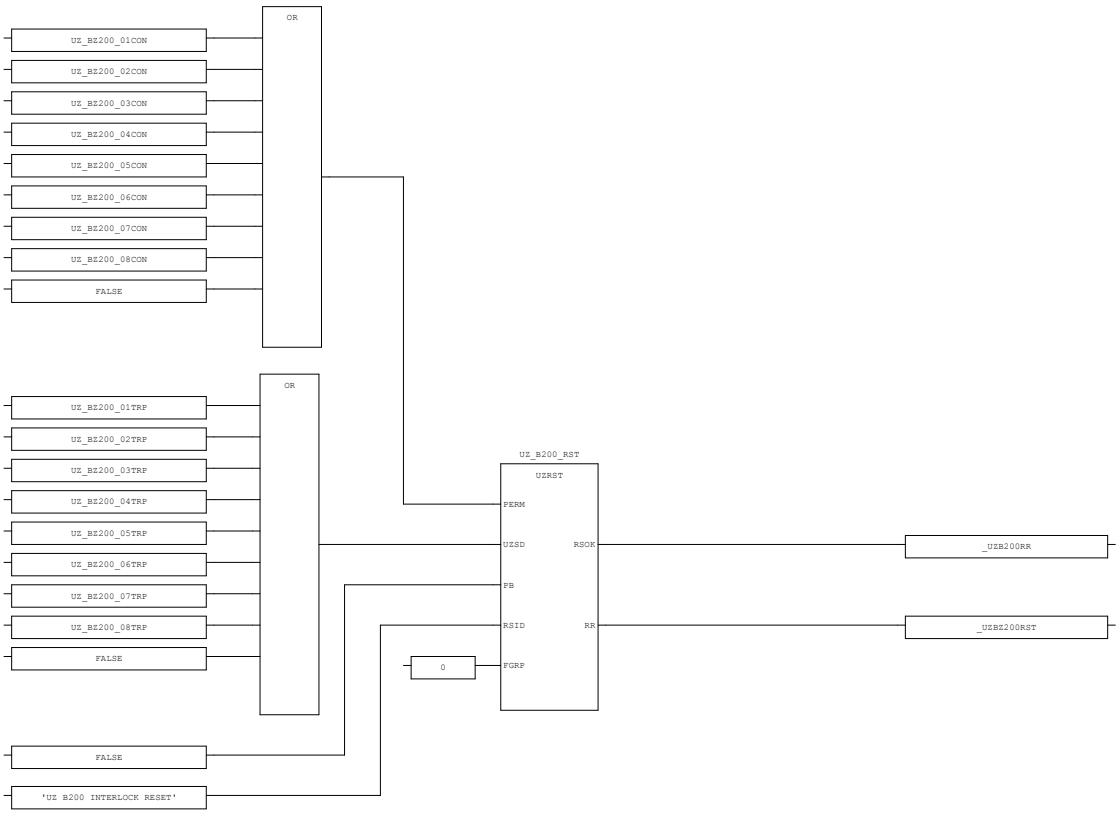




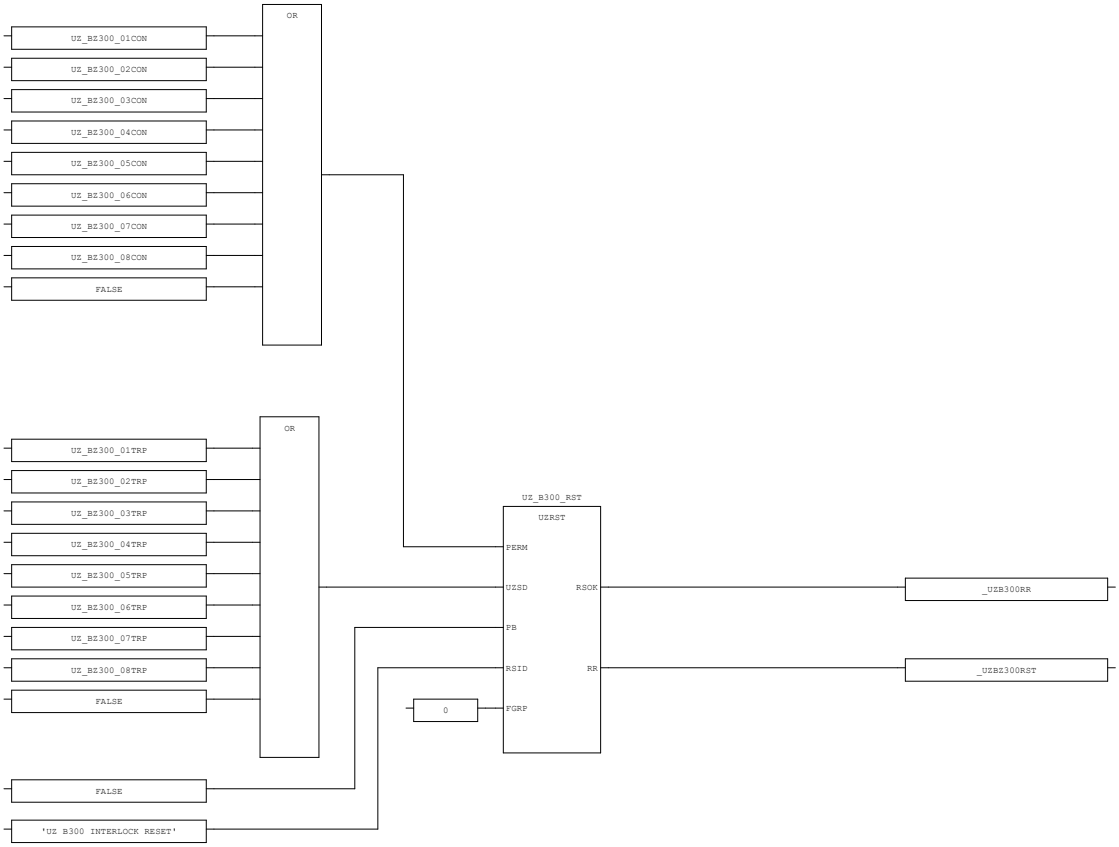
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE144
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 192
				REVISION:	5.3		

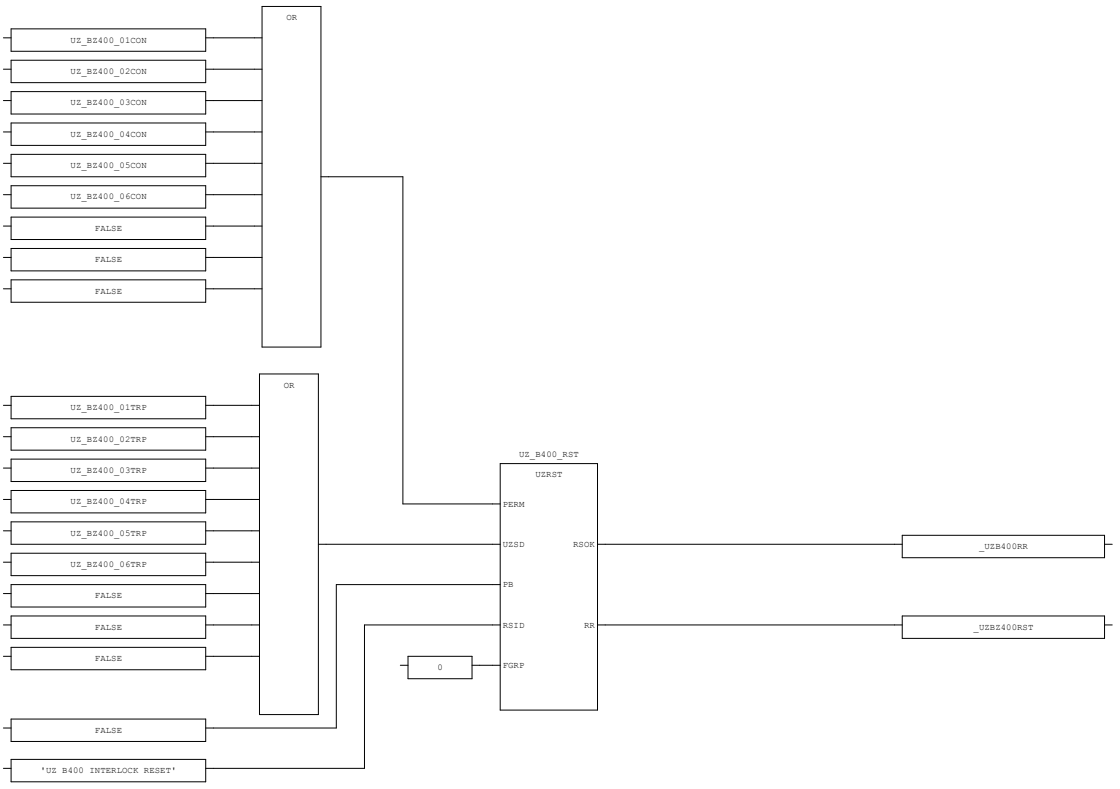
3.43. RESET_LOGIC_01 (* Interlock Reset Logic *)



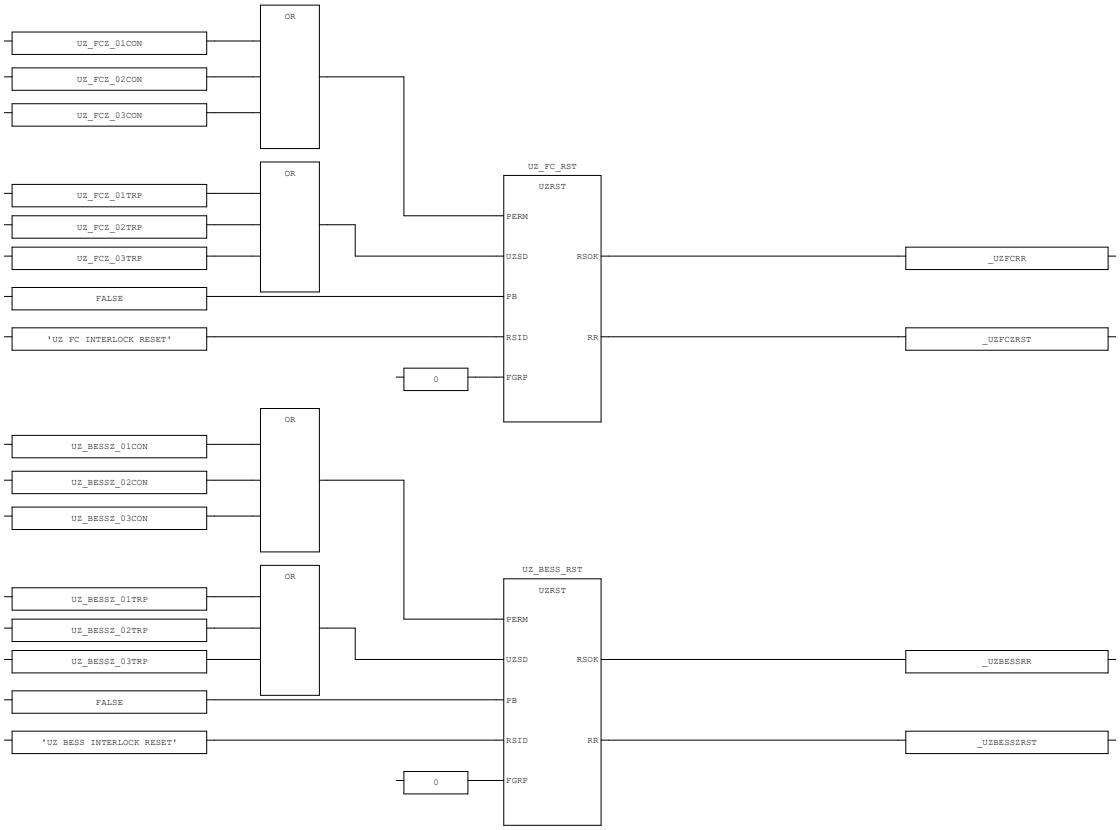


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE145
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

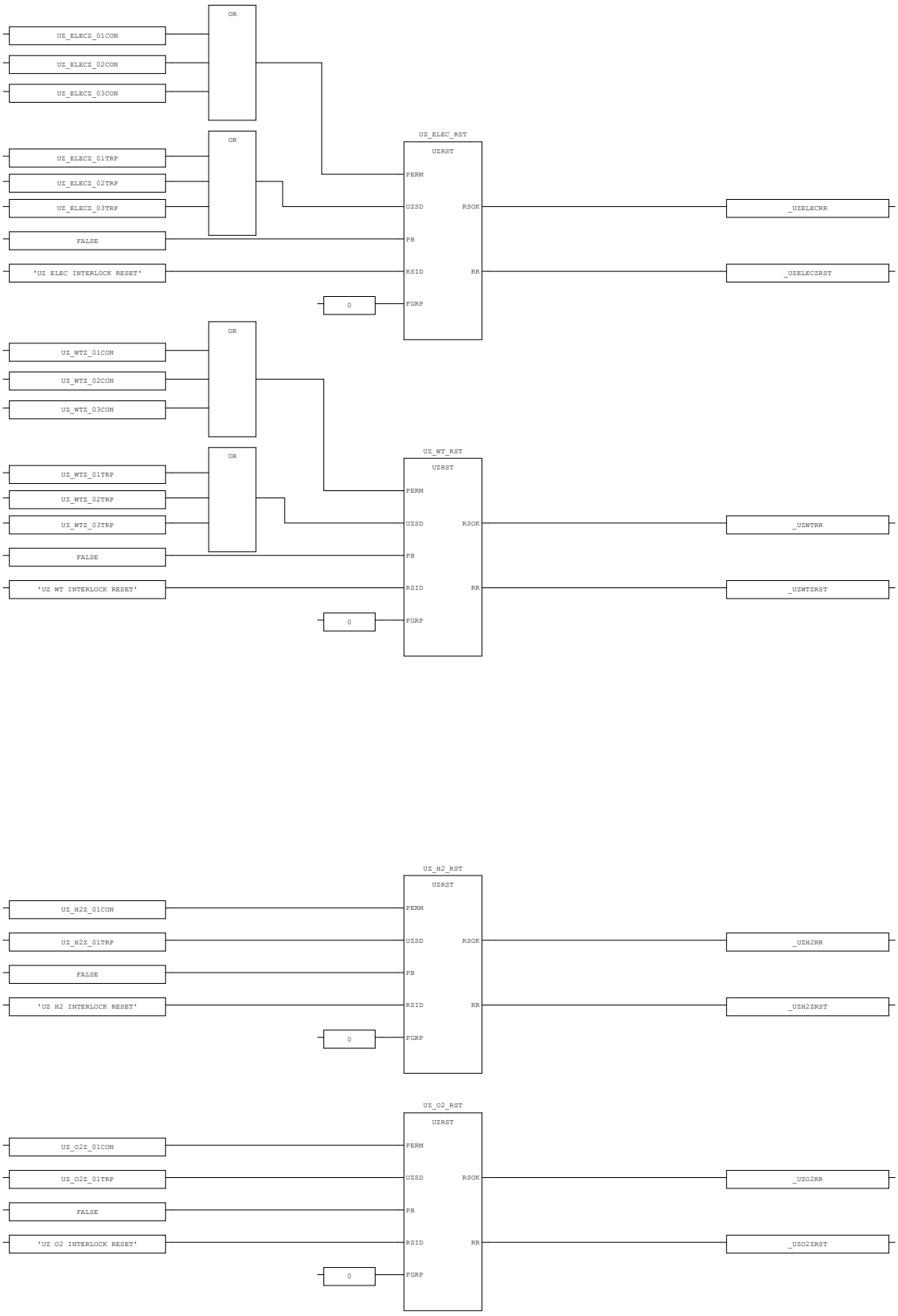


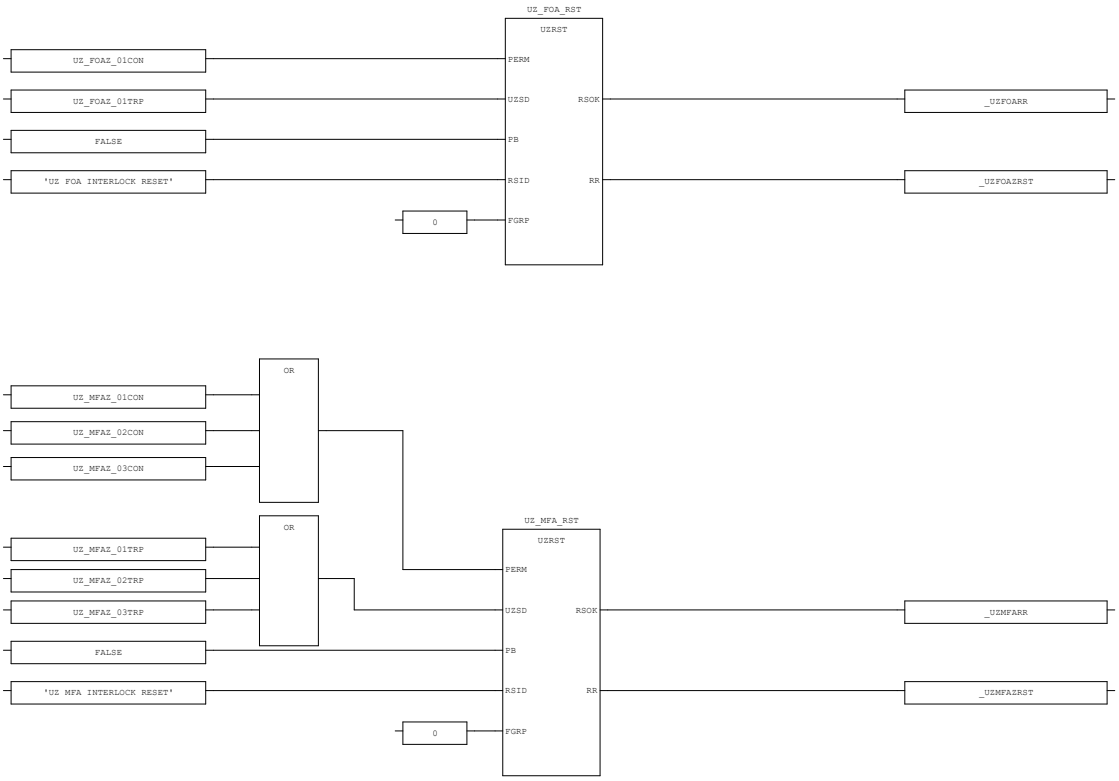


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE146
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		


OR
UZ_FCZ_01CON
UZ_FCZ_02CON
UZ_FCZ_03CON
OR
UZ_FCZ_01TRP
UZ_FCZ_02TRP
UZ_FCZ_03TRP
FALSE
'UZ FC INTERLOCK RESET'
0
UZ_FC_RST
UZRST
PERM
UZSD
PB
RSID
FGRP
RSOK
RR
_UZFCRR
_UZFCZRST
OR
UZ_BESSZ_01CON
UZ_BESSZ_02CON
UZ_BESSZ_03CON
OR
UZ_BESSZ_01TRP
UZ_BESSZ_02TRP
UZ_BESSZ_03TRP
FALSE
'UZ BESS INTERLOCK RESET'
0
UZ_BESS_RST
UZRST
PERM
UZSD
PB
RSID
FGRP
RSOK
RR
_UZBESSRR
_UZBESSZRST

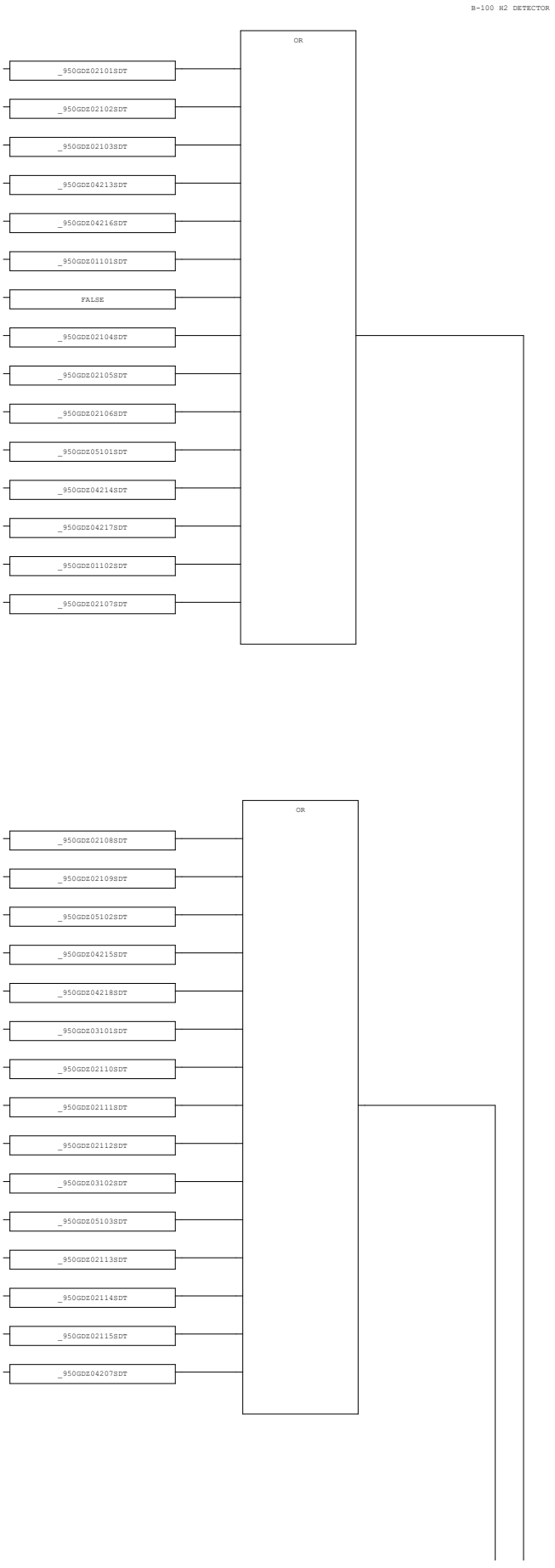
3.44. RESET_LOGIC_02 (* Interlock Reset & MOS-Enable Logic *)

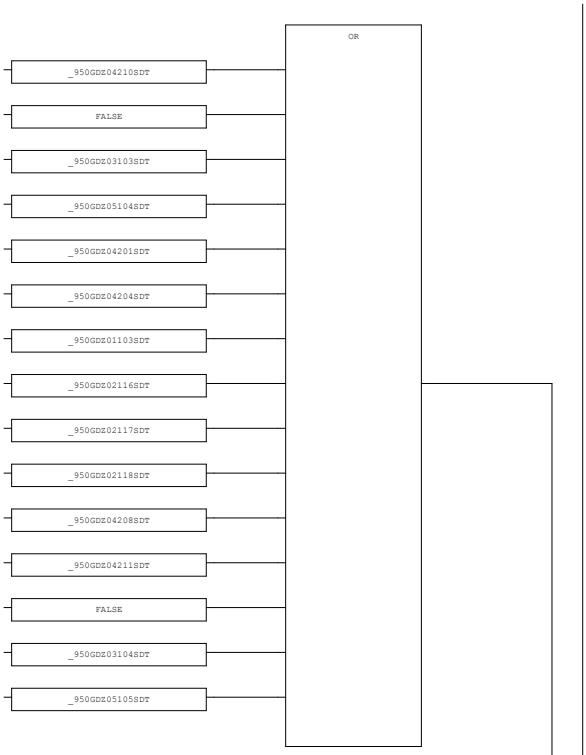


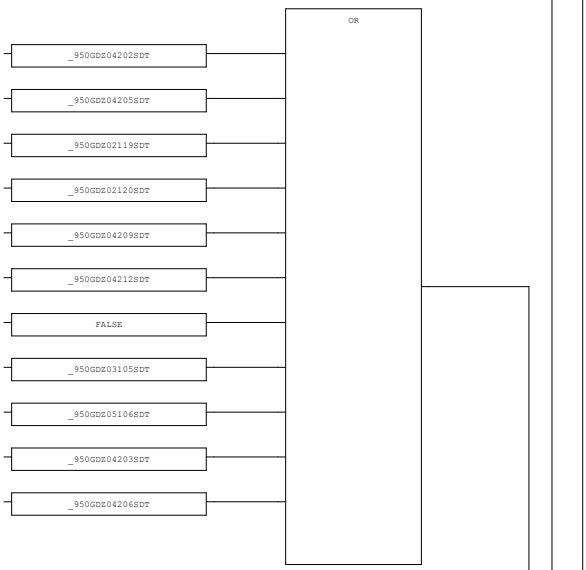


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE149
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

3.45. H2_DECT_LOGIC (* H2 Detector Interlock Logic *)

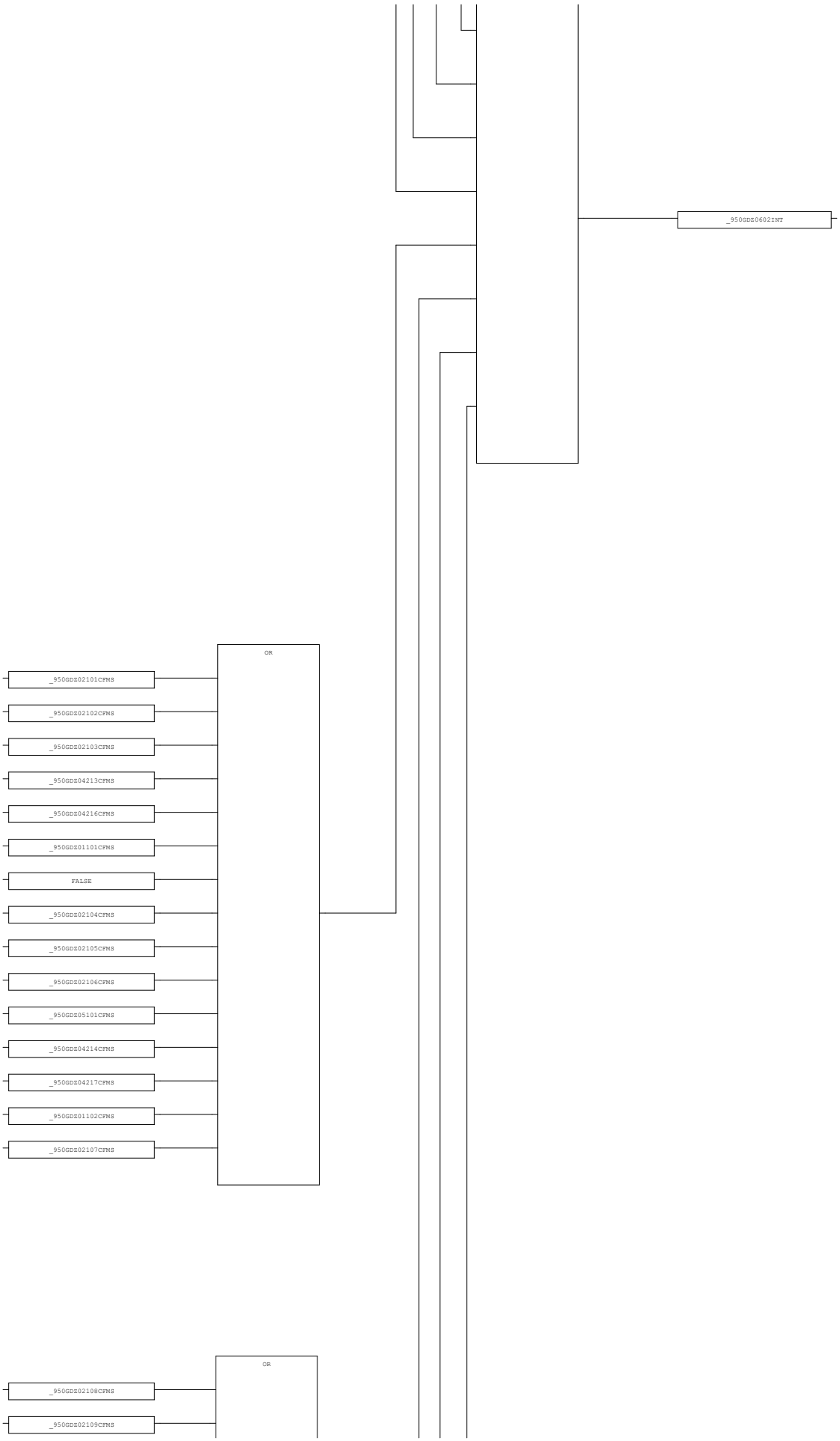




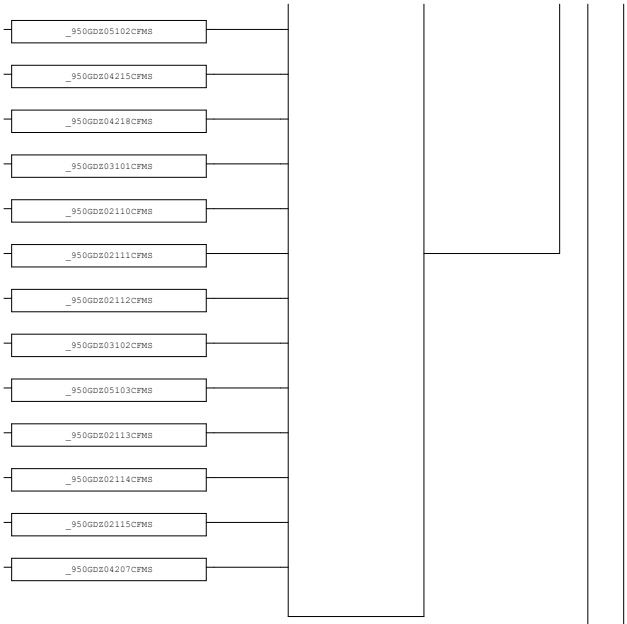


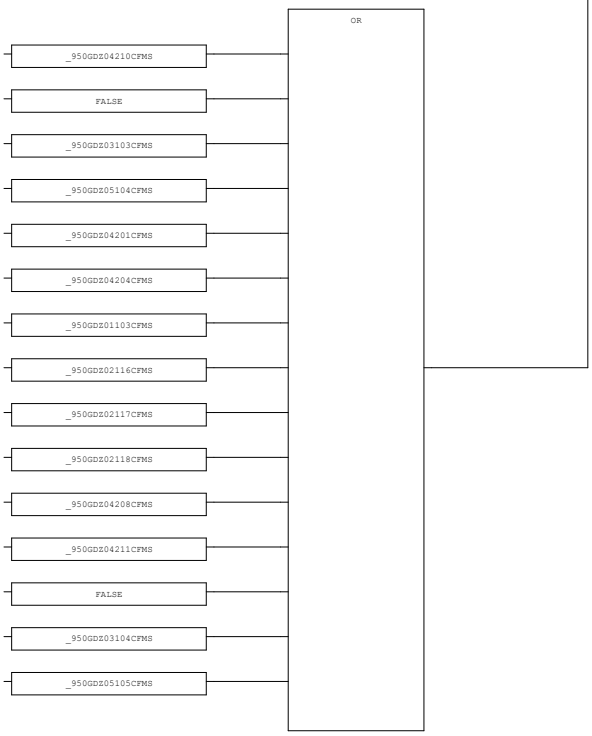


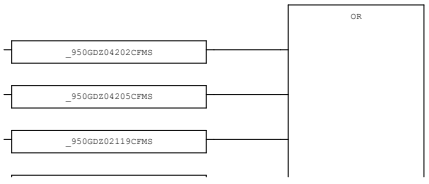
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE151
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



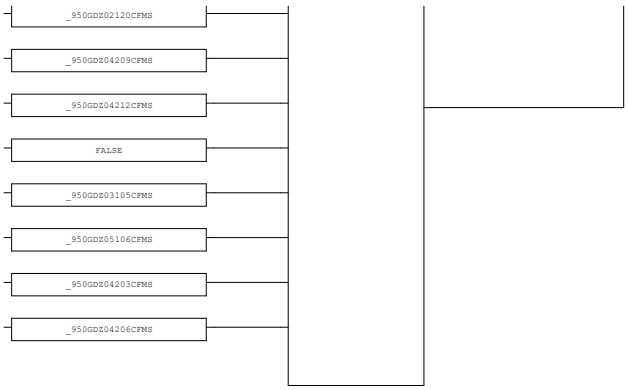
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE152
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

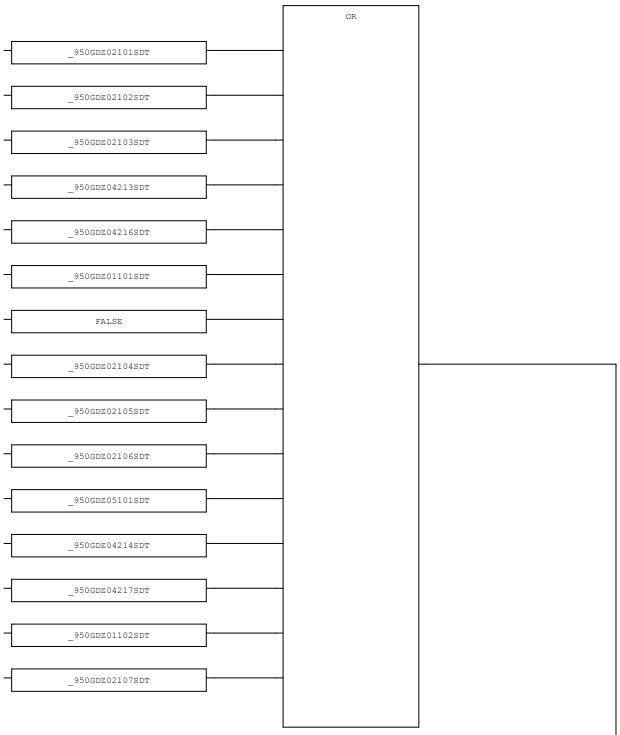


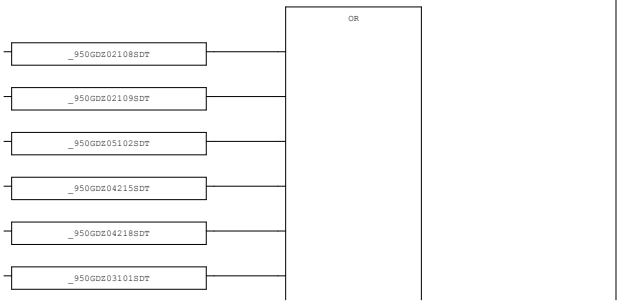




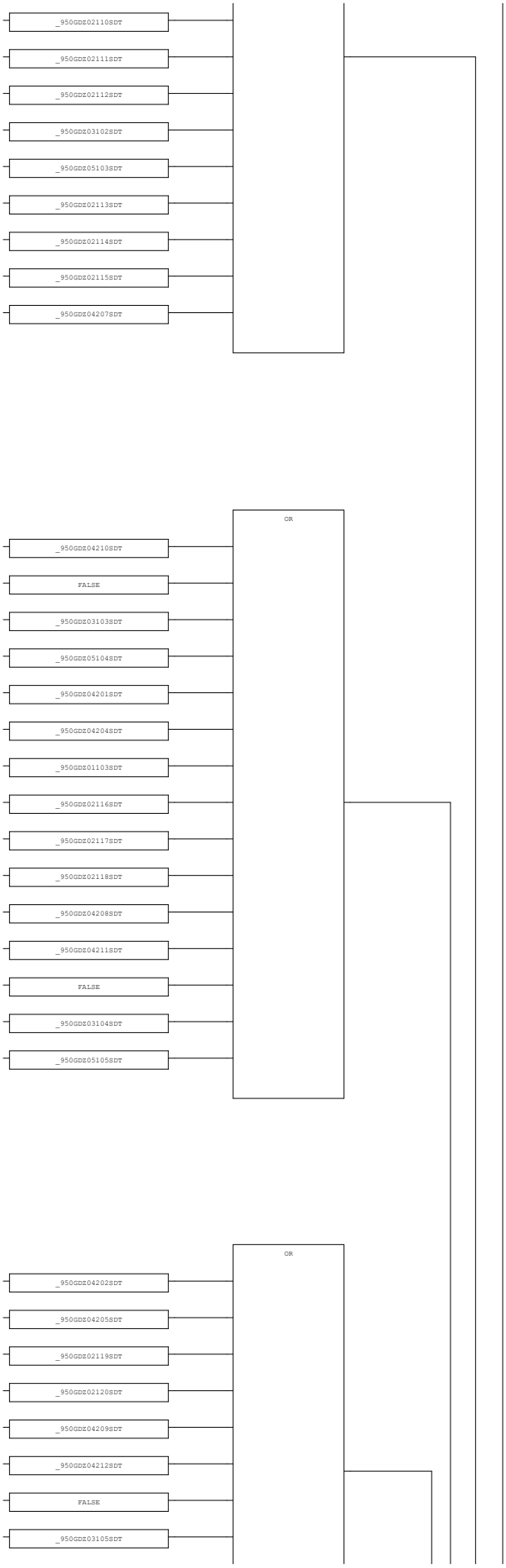
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE153
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



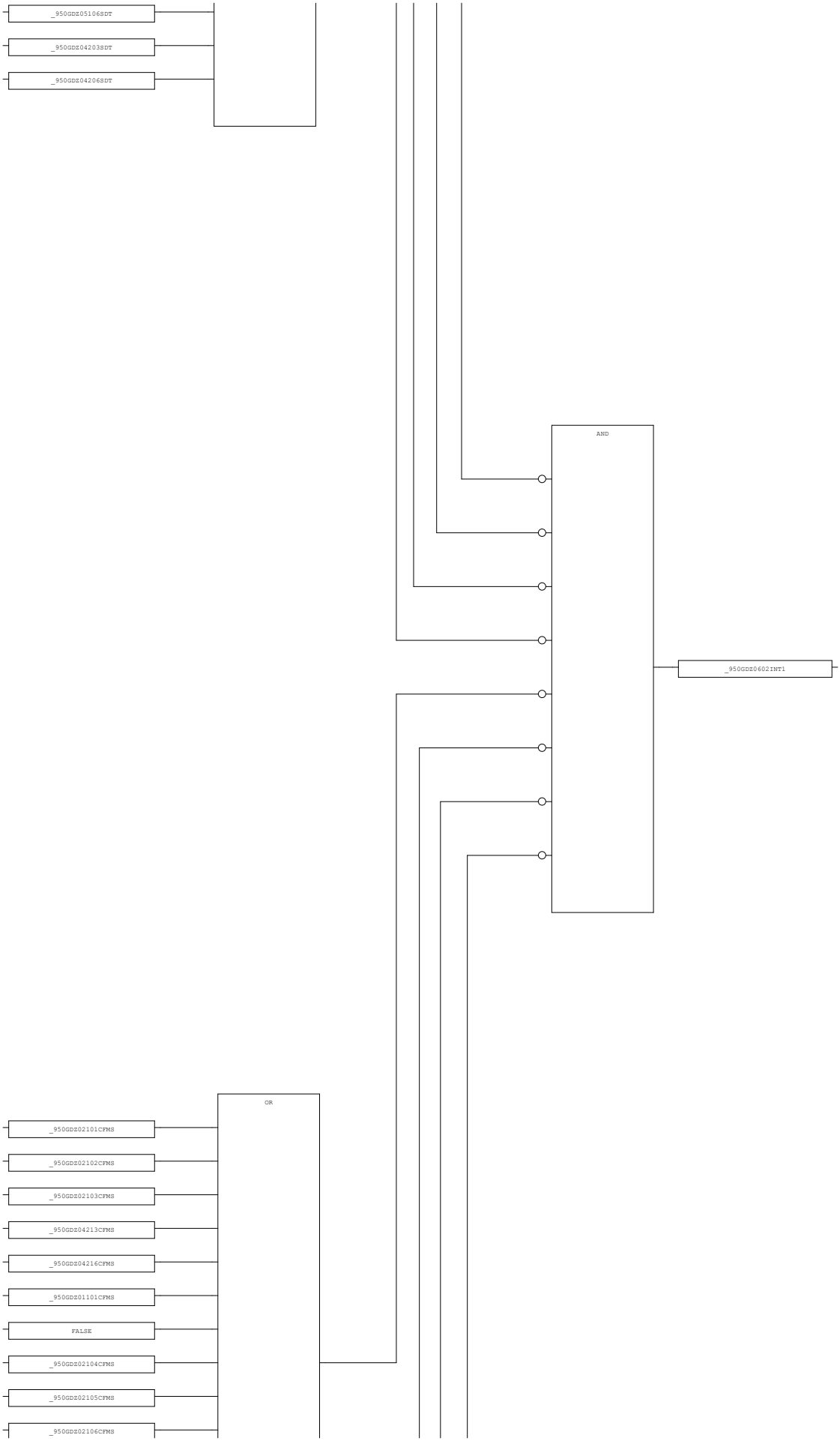




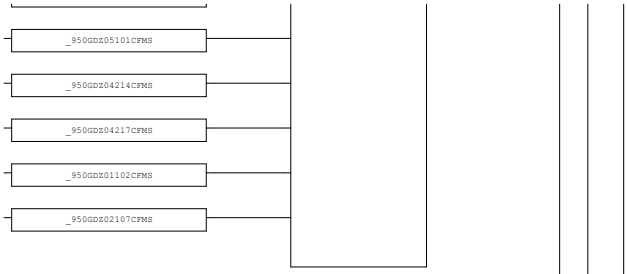
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE154
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

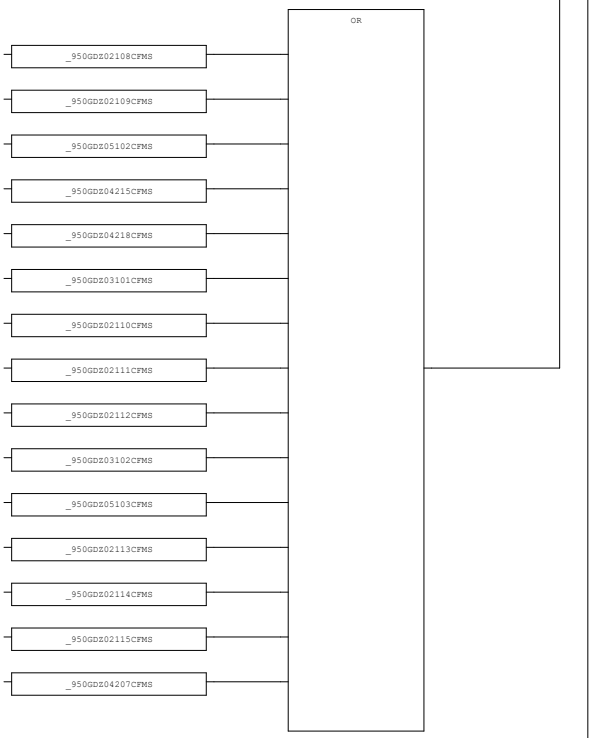


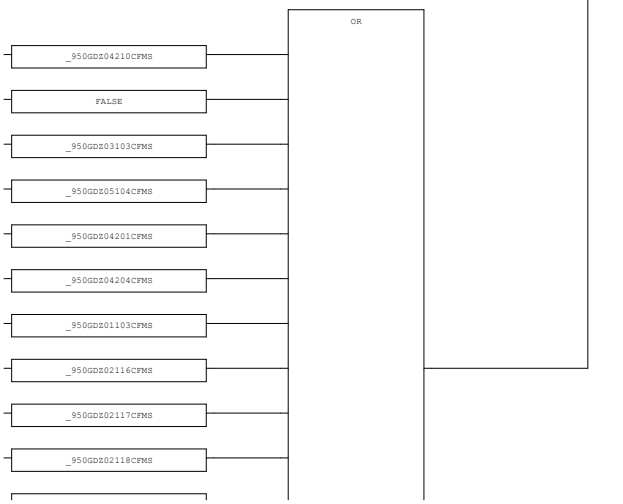
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE155
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



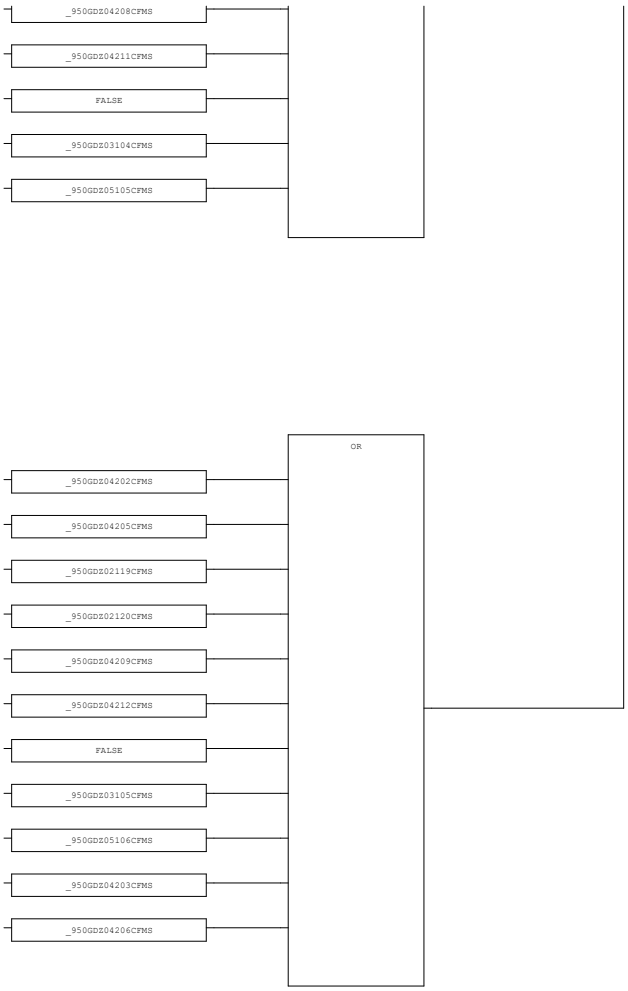
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE156
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



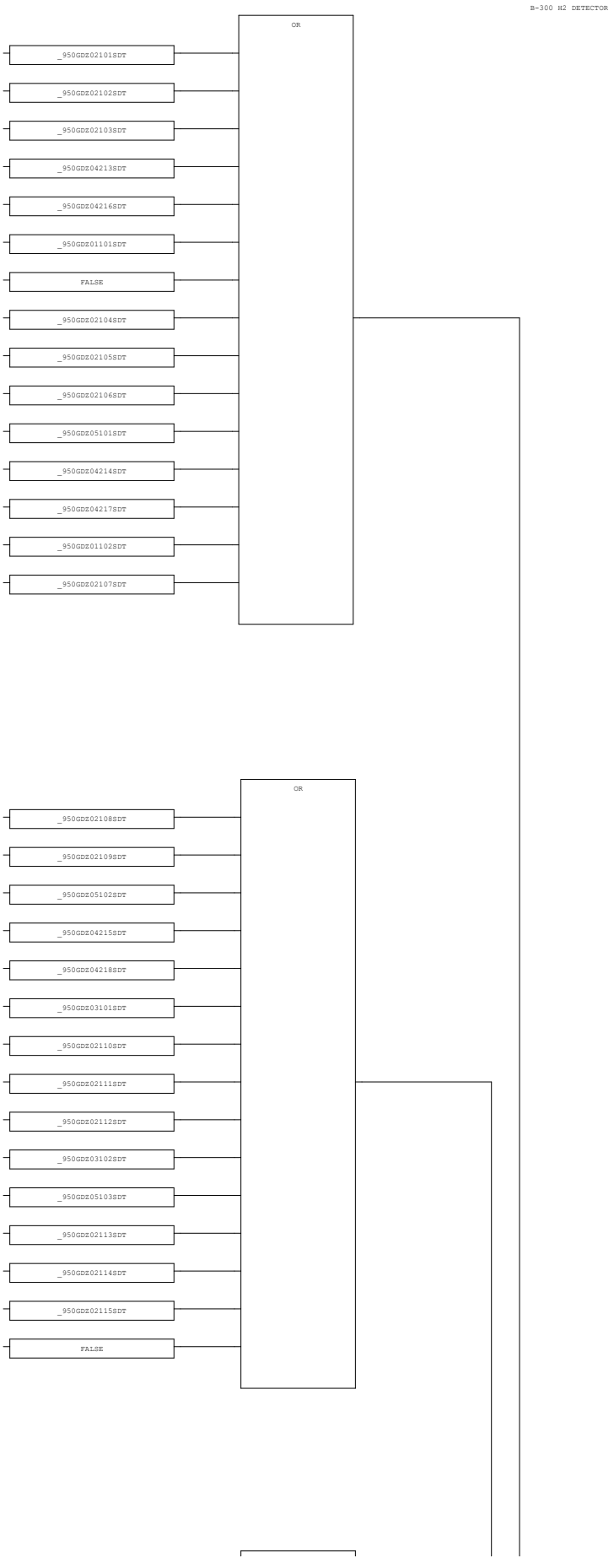


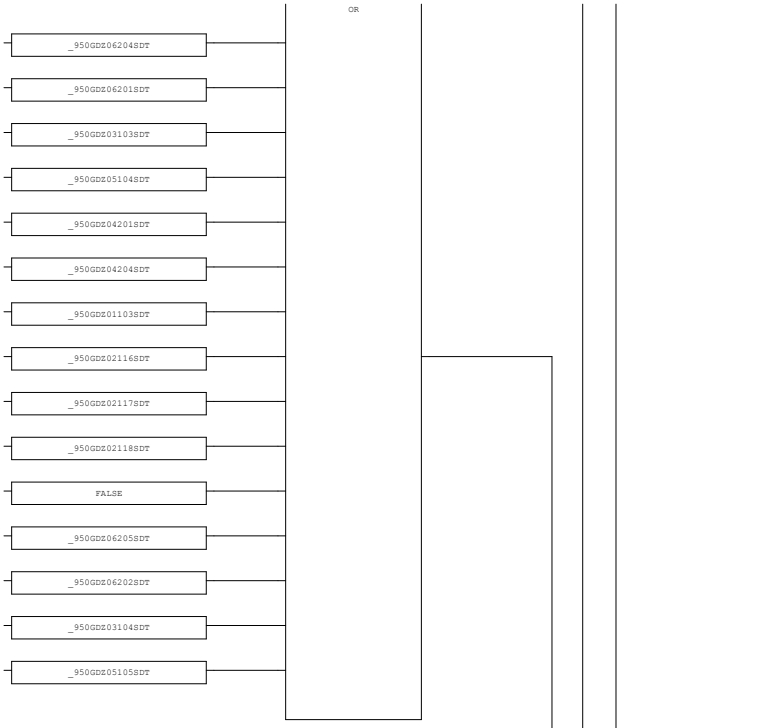


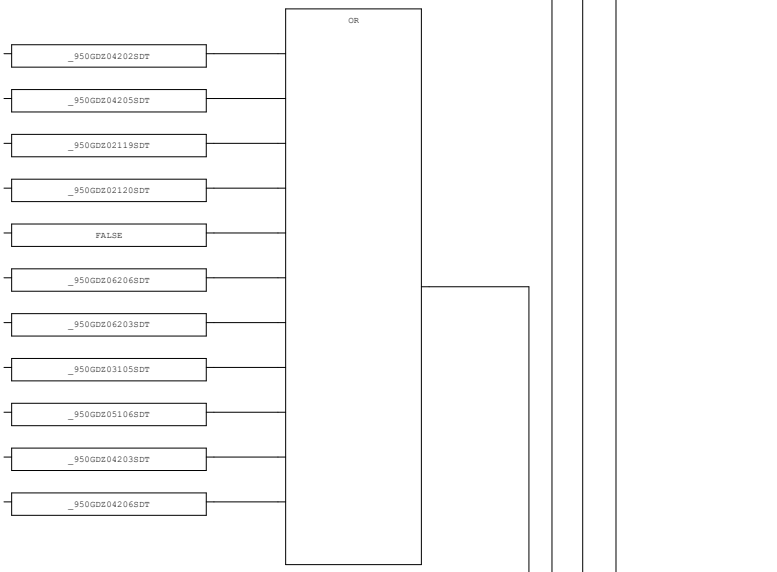
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE157
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

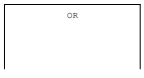

_950GDZ04208CFMS
_950GDZ04211CFMS
FALSE
_950GDZ03104CFMS
_950GDZ05105CFMS
OR
_950GDZ04202CFMS
_950GDZ04205CFMS
_950GDZ02119CFMS
_950GDZ02120CFMS
_950GDZ04209CFMS
_950GDZ04212CFMS
FALSE
_950GDZ03105CFMS
_950GDZ05106CFMS
_950GDZ04203CFMS
_950GDZ04206CFMS

3.46. H2_DECT_LOGIC1 (* H2 Detector Interlock Logic *)

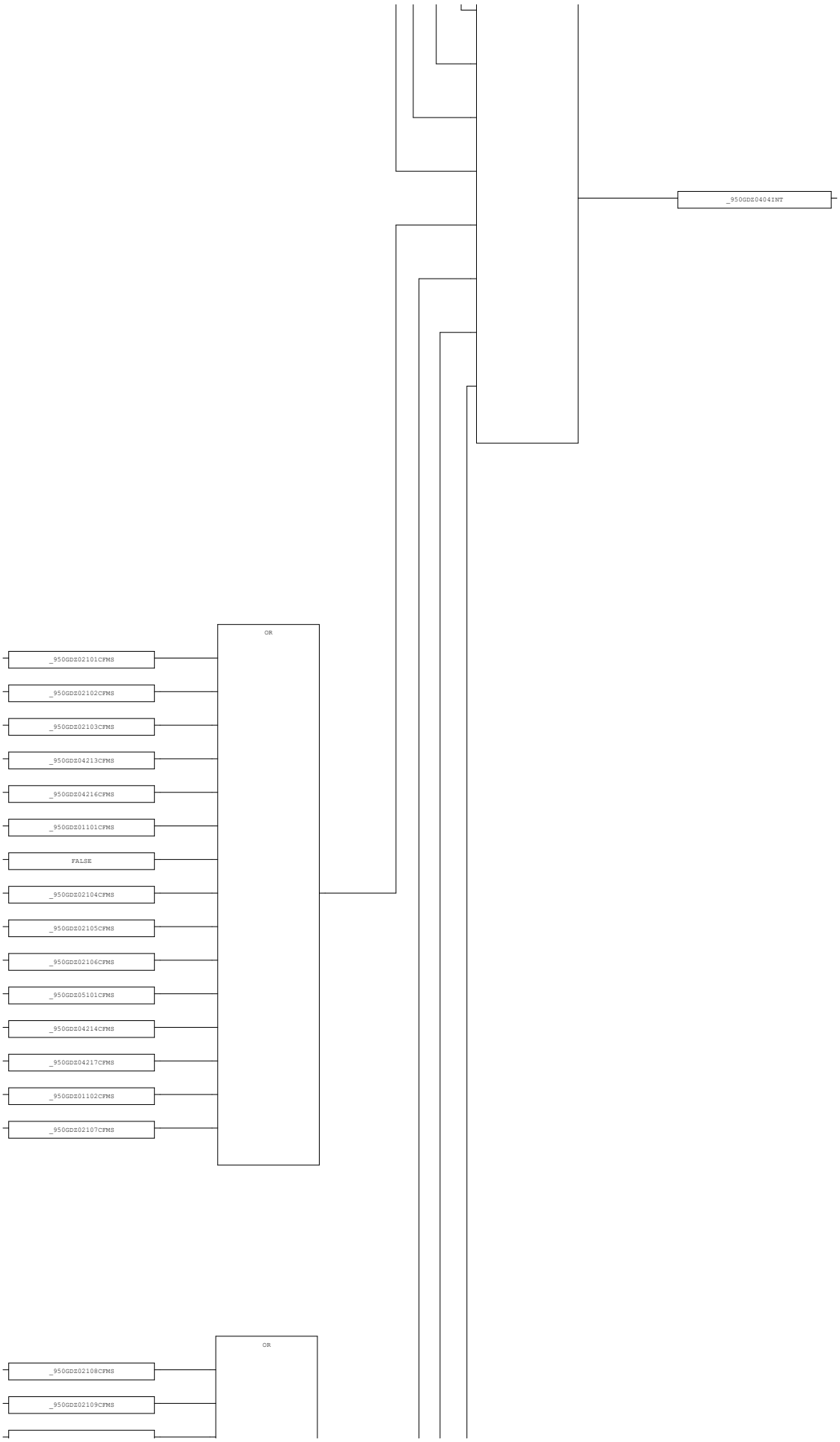




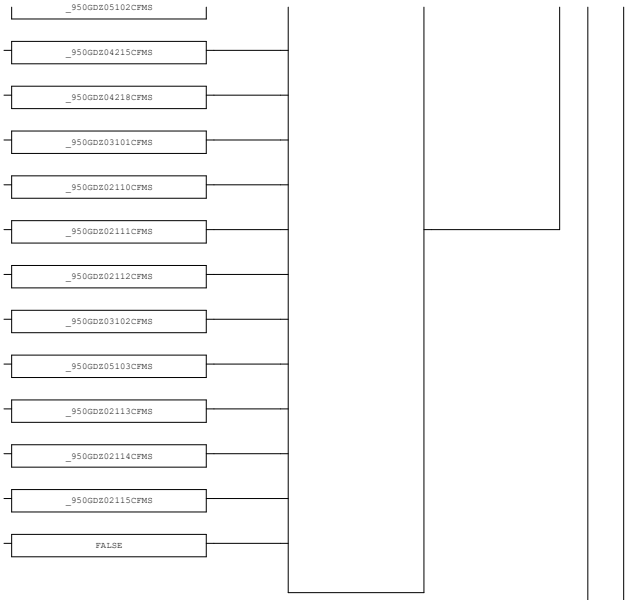


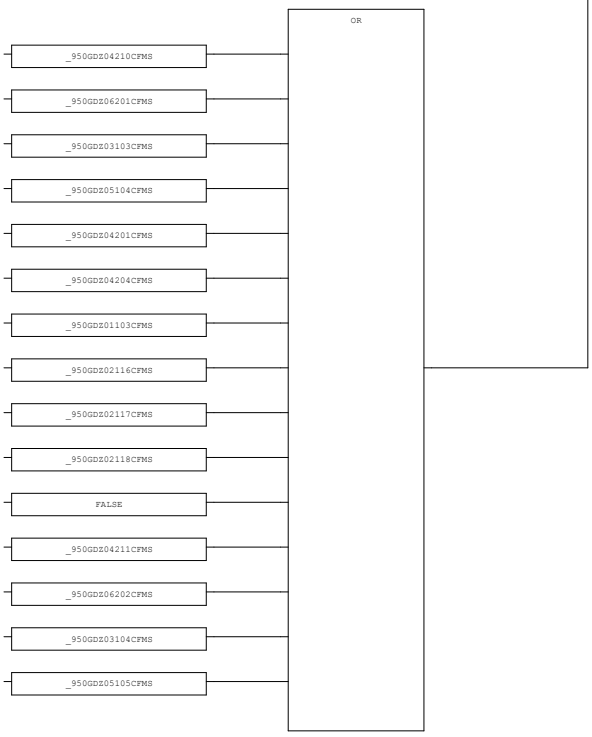


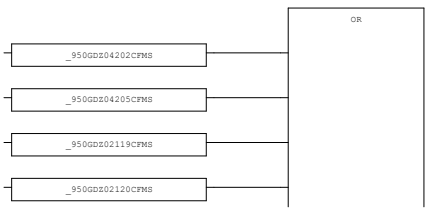
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE160
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



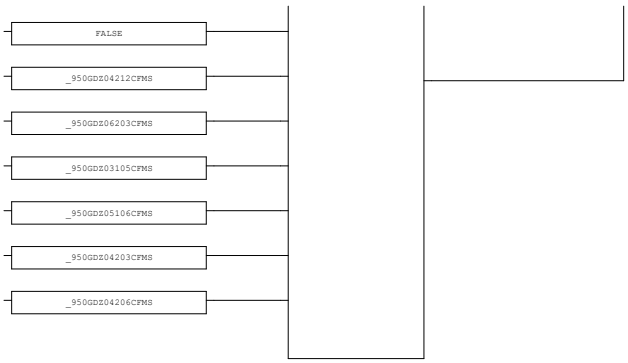
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE161
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

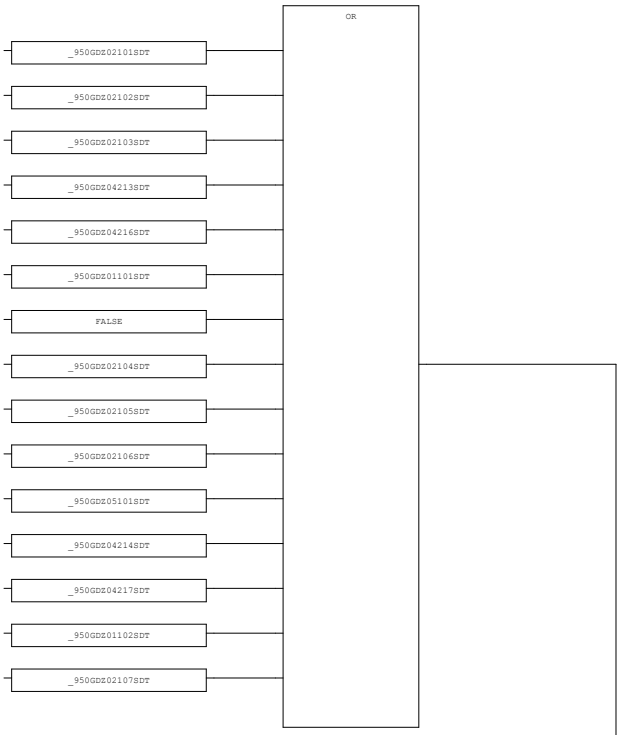


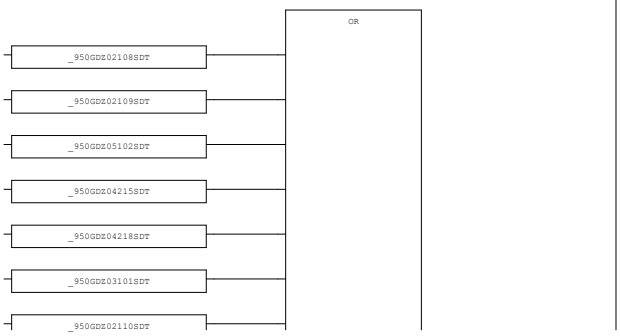




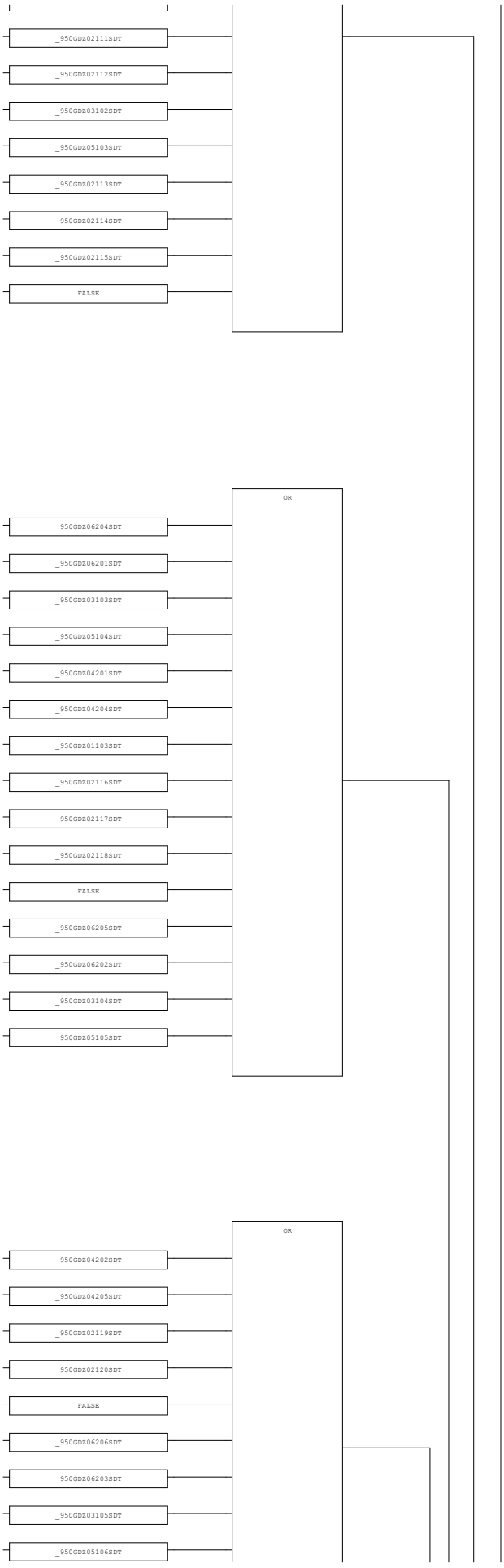
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE162
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192



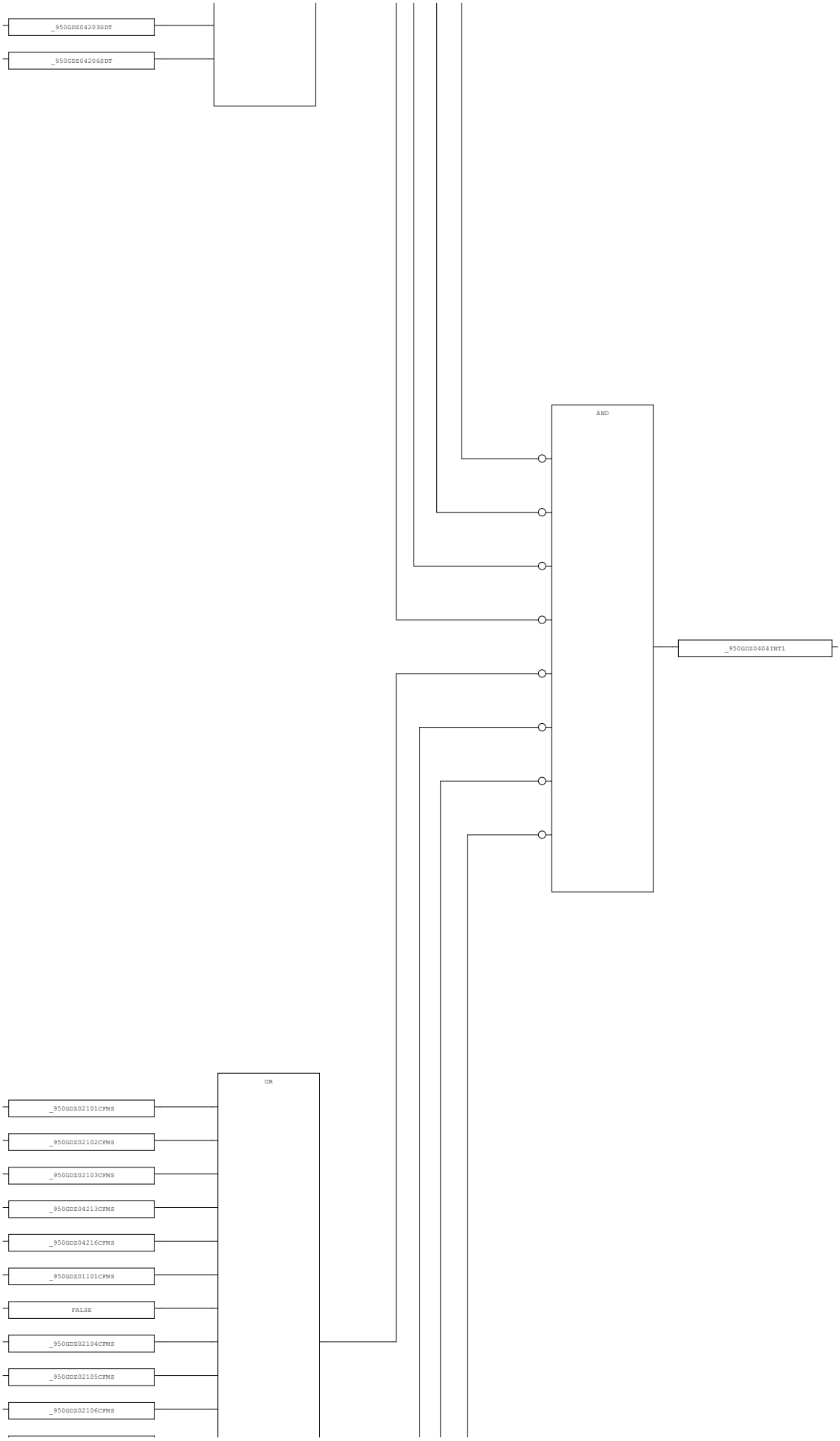




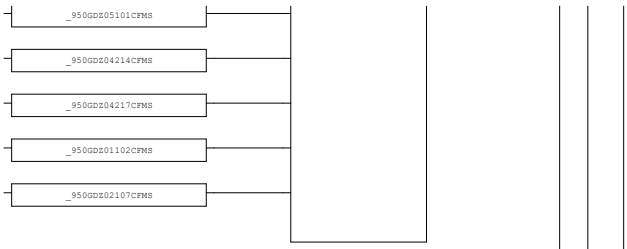
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE163
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

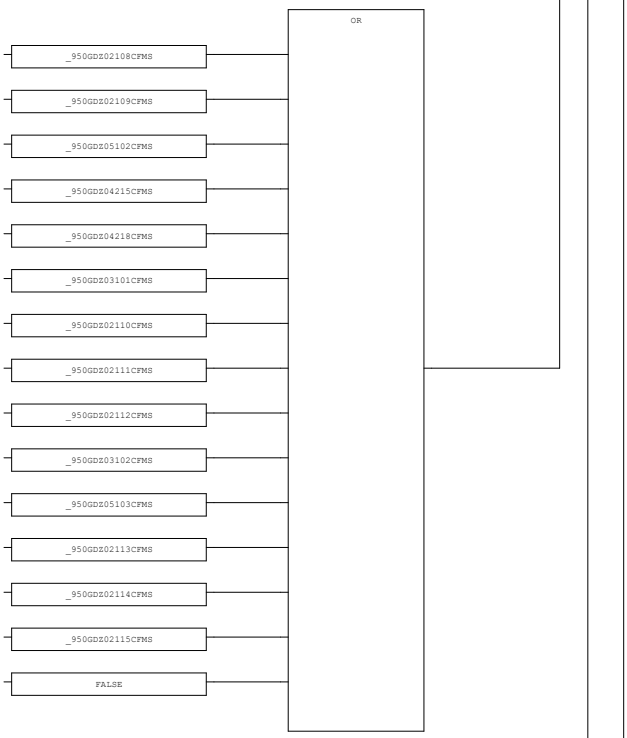


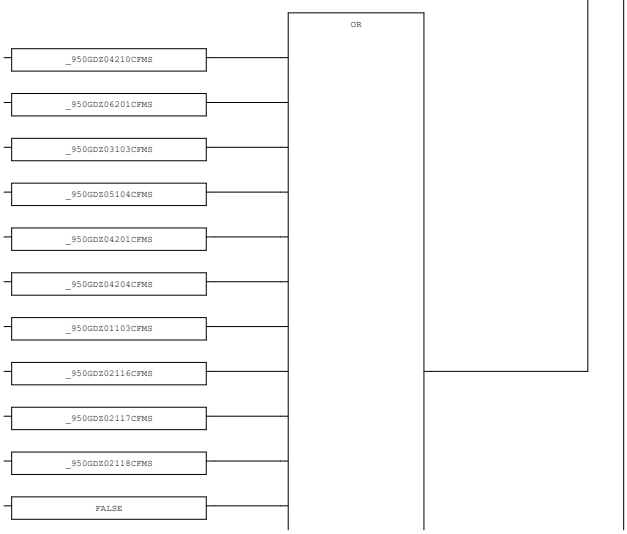
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE164
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



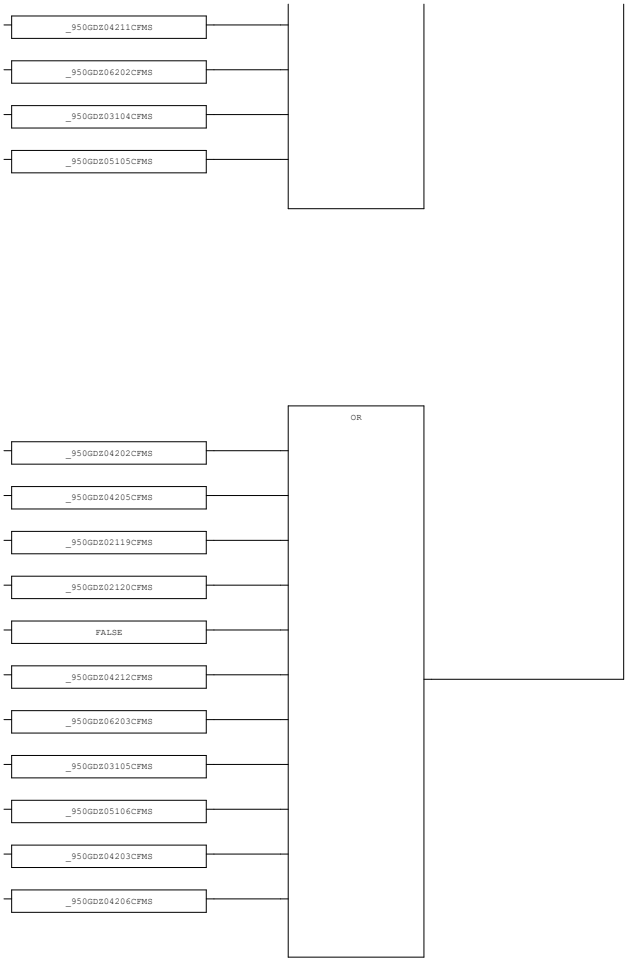
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE165
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		





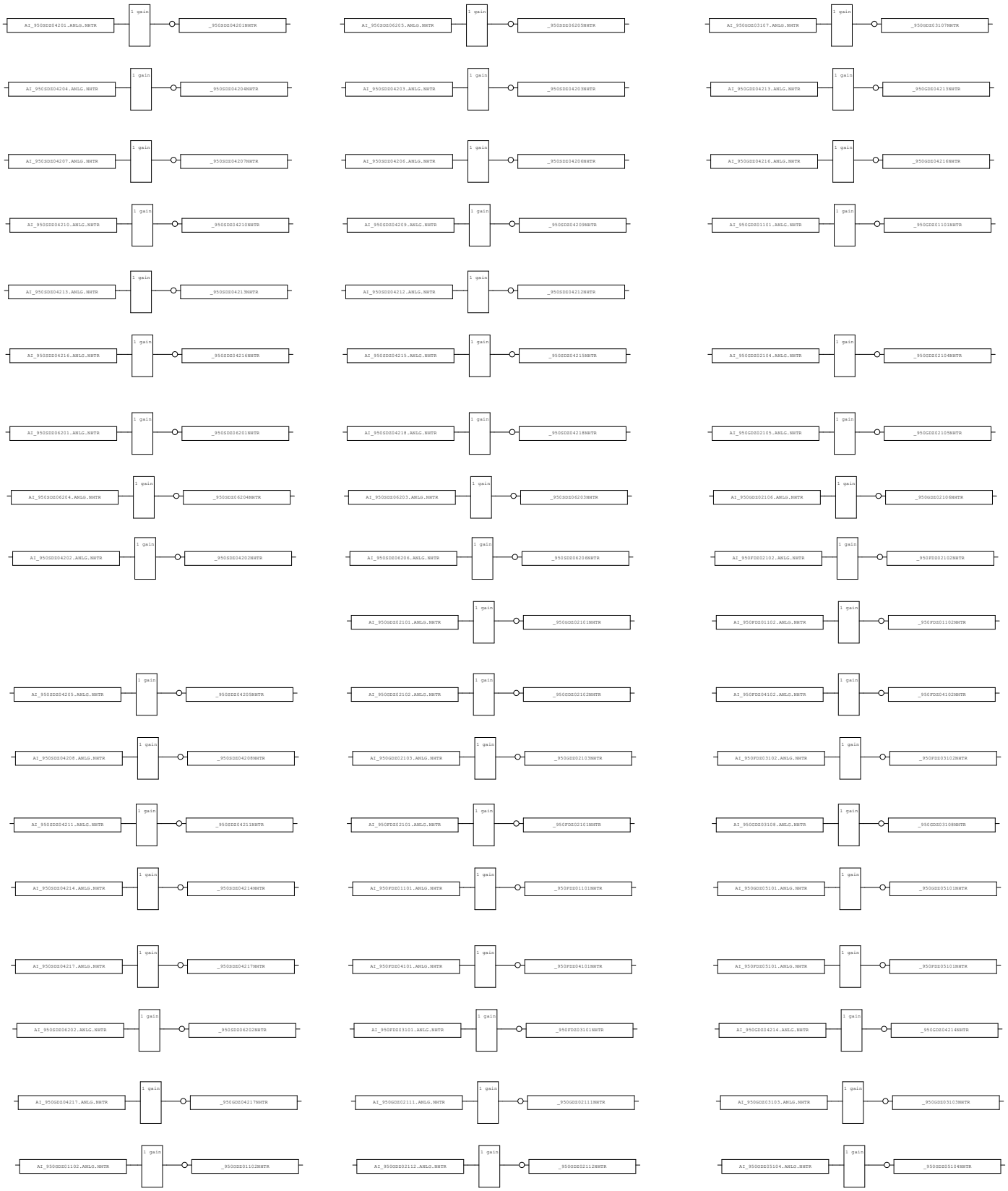


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE166
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



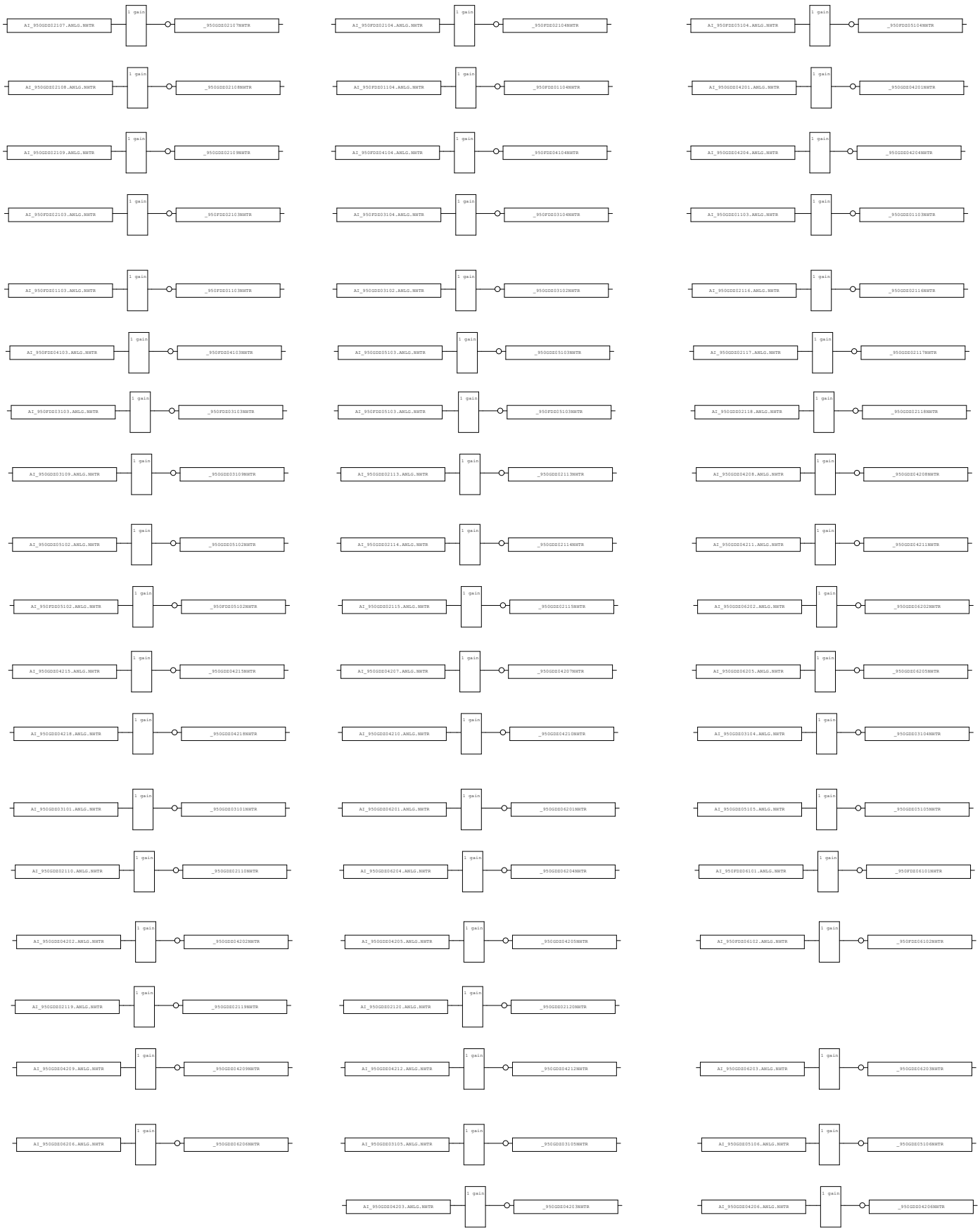
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE167
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.47. TO_HMI (* ANLG Status *)



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE168
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 192
				REVISION:	5.3		

3.48. TO_HMI_1 (* ANLG Status *)



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE169
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.49. SPARE_1 (* SPARE POU *)

3.50. SPARE_2 (* SPARE POU *)

3.51. F23 (* FGS Voter 2oo3 *)

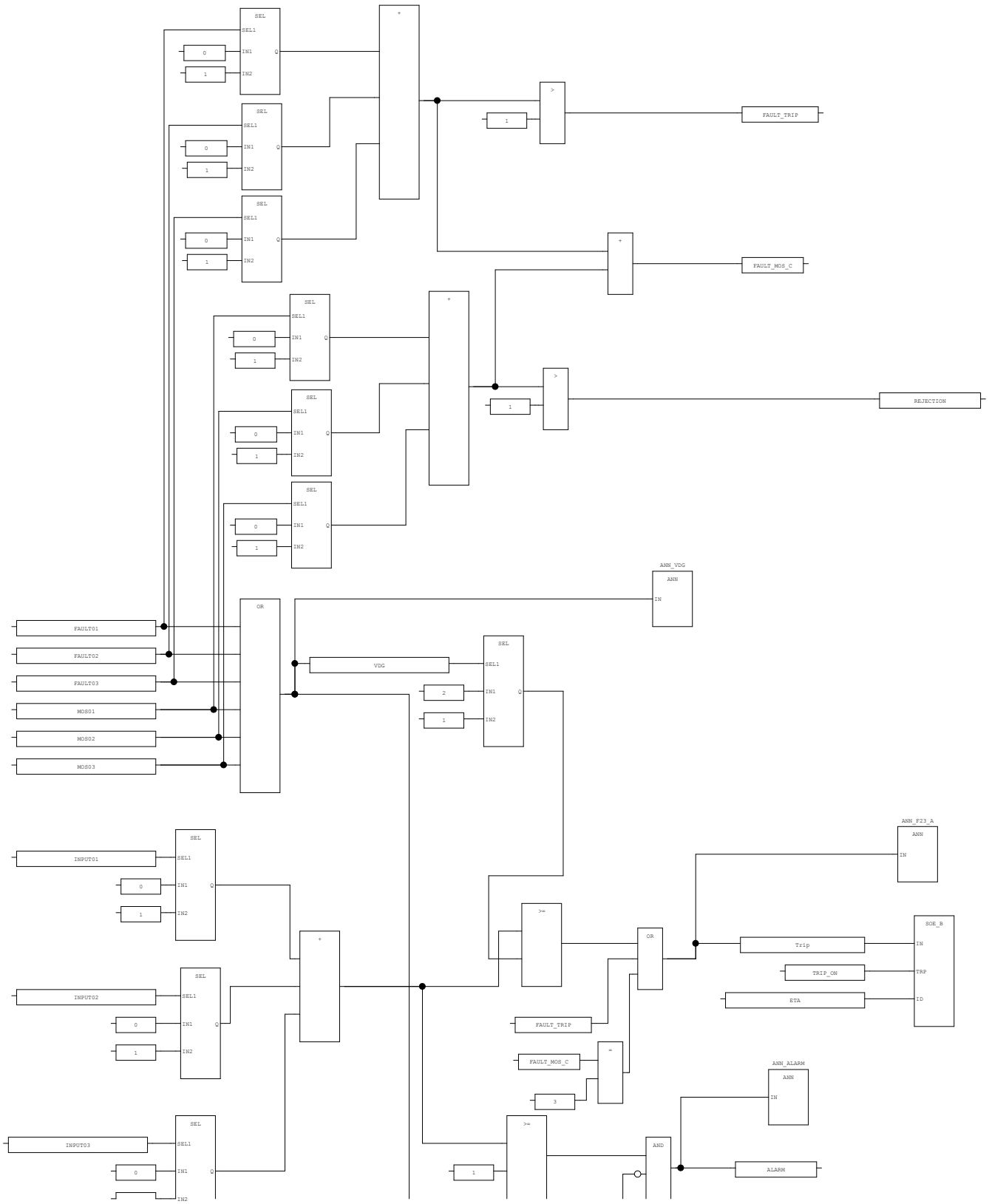
1.0.0

YOKOGAWA

TYPICAL : F23 (User Defined Function Block)

DESCRIPTION : 2oo3 voting for Fire & Gas applications.
Typical to handle:
Initiate a trip if two of the three inputs are in trip state.
Voting Degradation in cases of fault/override.

Rev 00
Rev 01
Rev 02



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE172
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		


1
IN2

3.52. FG_DOUT (* FGS Delayed Action with Ackowledgement *)

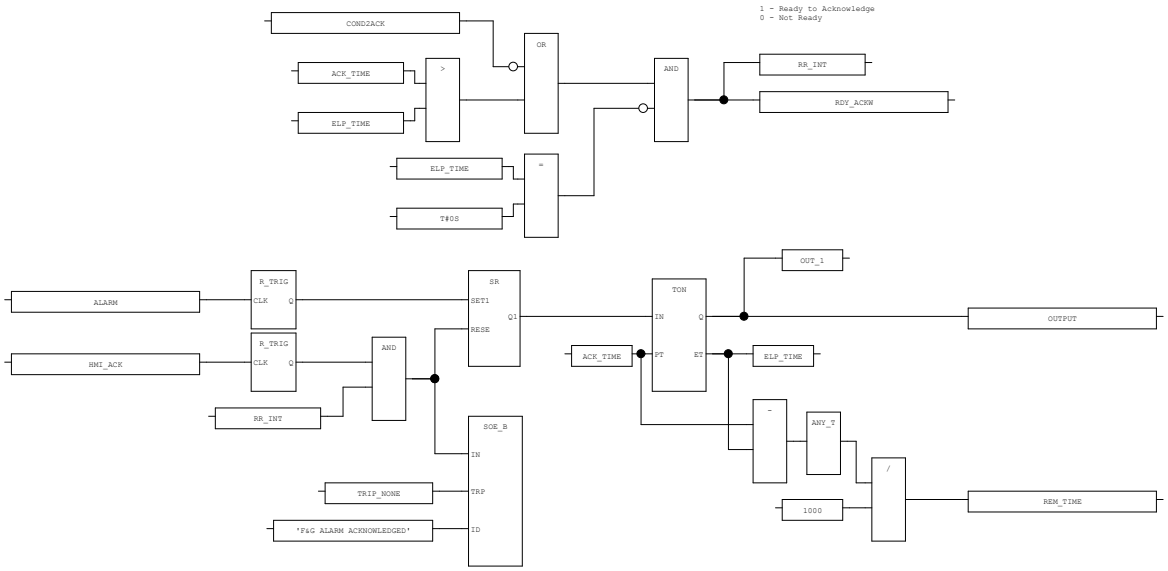
1.0.0

YOKOGAWA

TYPICAL : FG_DOUT (User Defined Function Block)

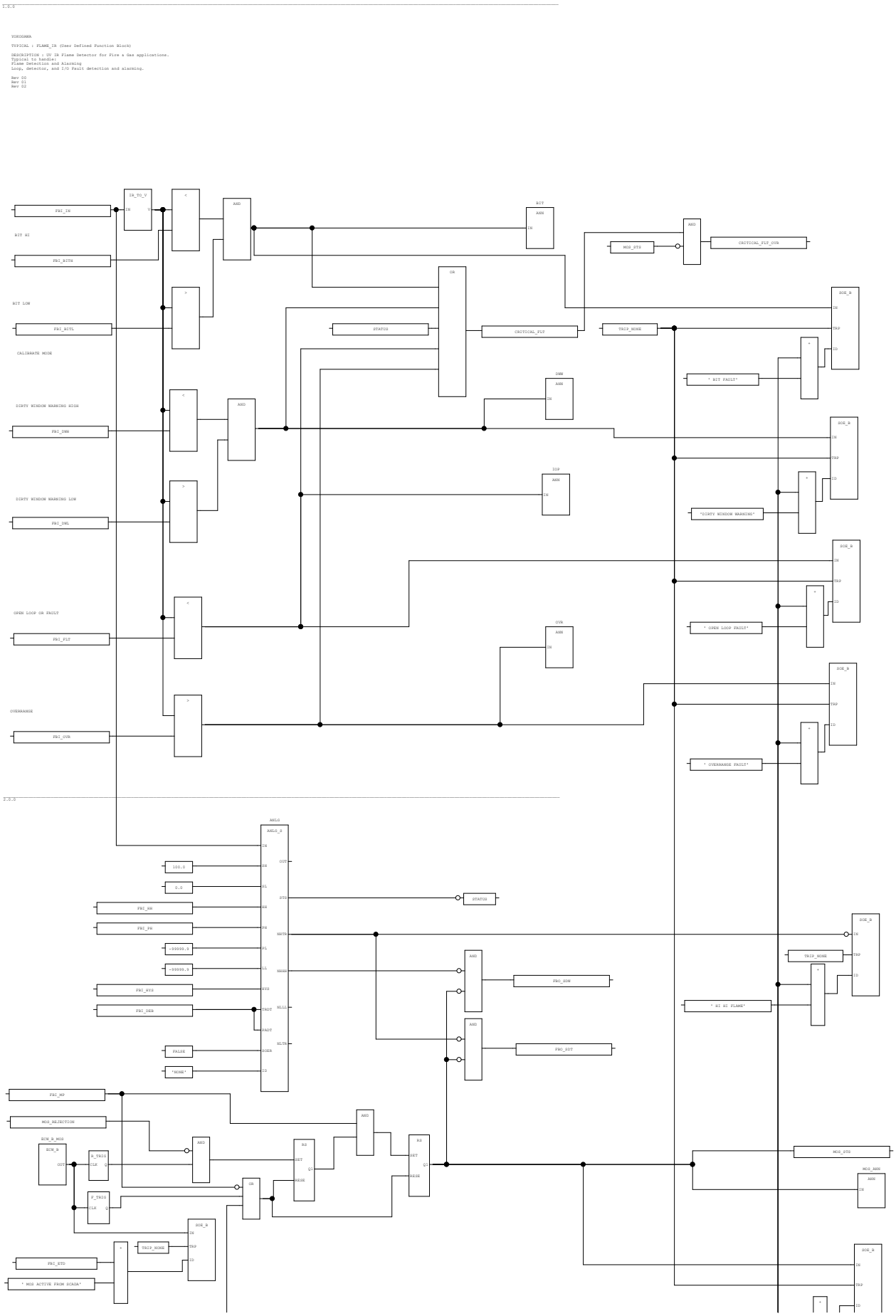
DESCRIPTION : Alarm activation for Fire & Gas applications.
Typical to handle:
Activate Sounders/Lamps based upon energize to action function.
Activate the output when the input alarm is not ackowledged by operarator within specified time

Rev 00

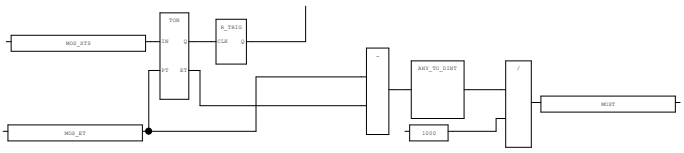


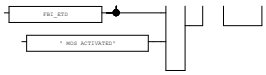
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE174
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.53. FG_FLAME_IR (* Flame Detector Analog Input *)



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE175
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

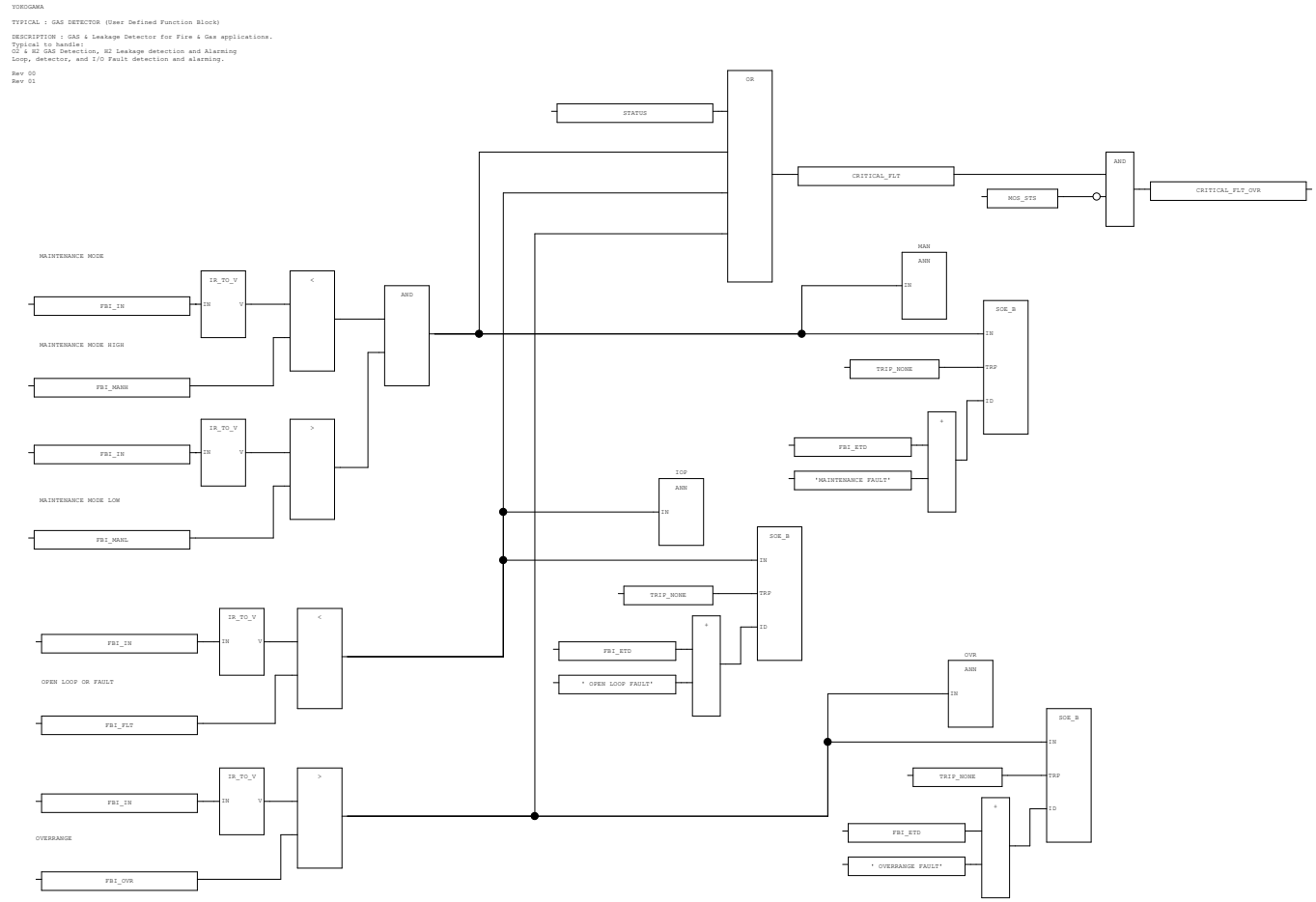




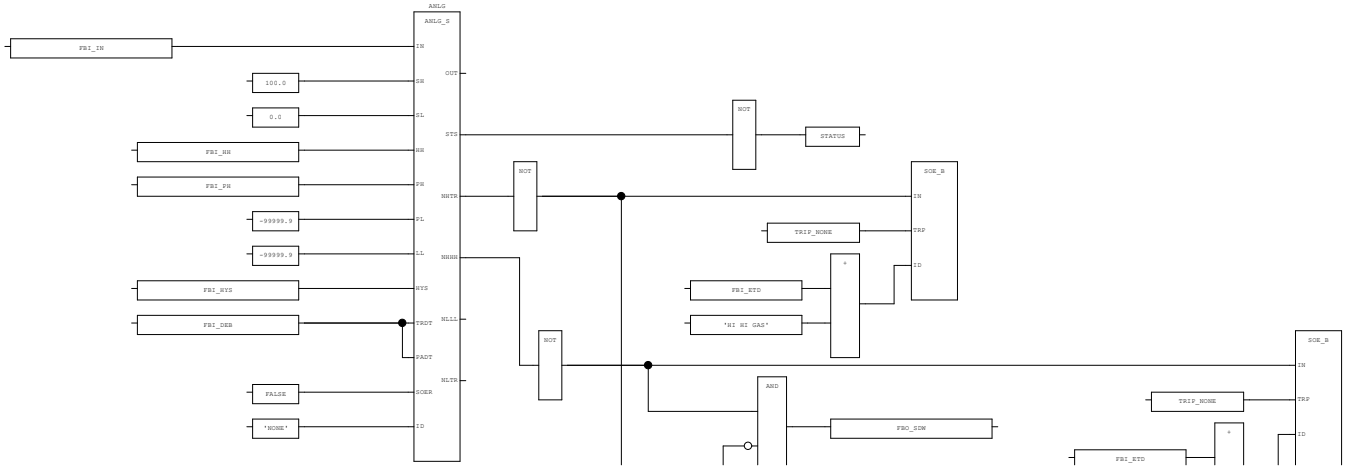
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE176
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.54. FG_GD (* Gas Detector Analog Input *)

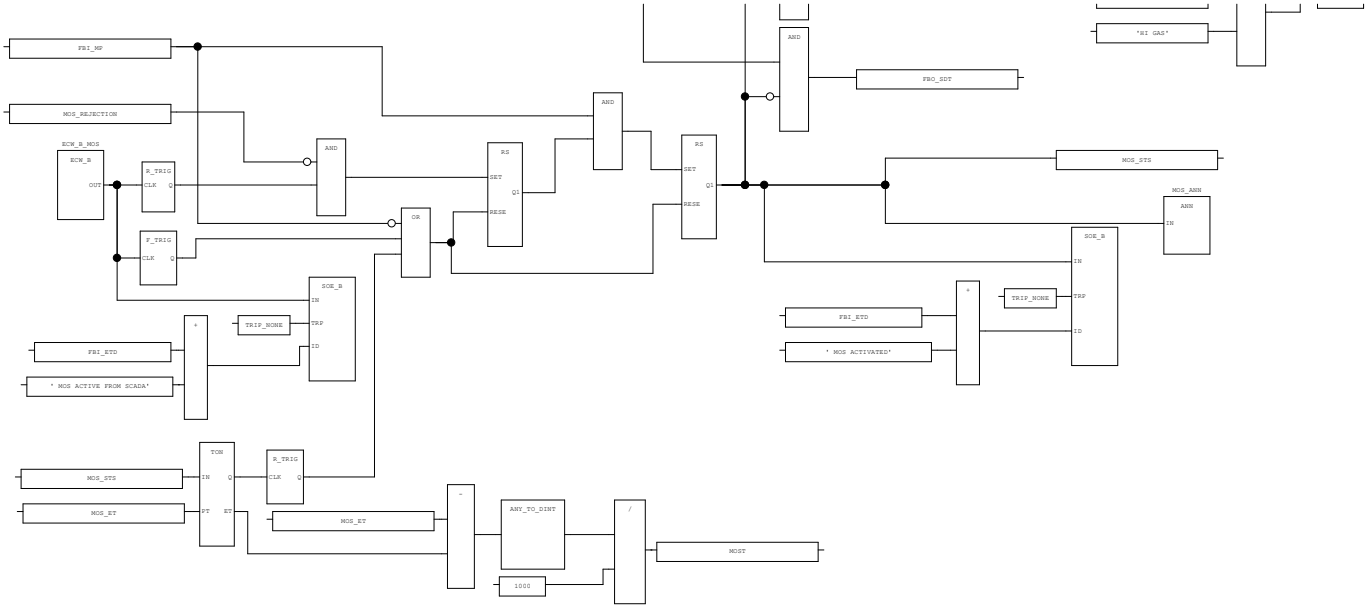
1.0.0



2.0.0



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE177
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE178
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.55. FG_LD (* LeakDetector Analog Input *)

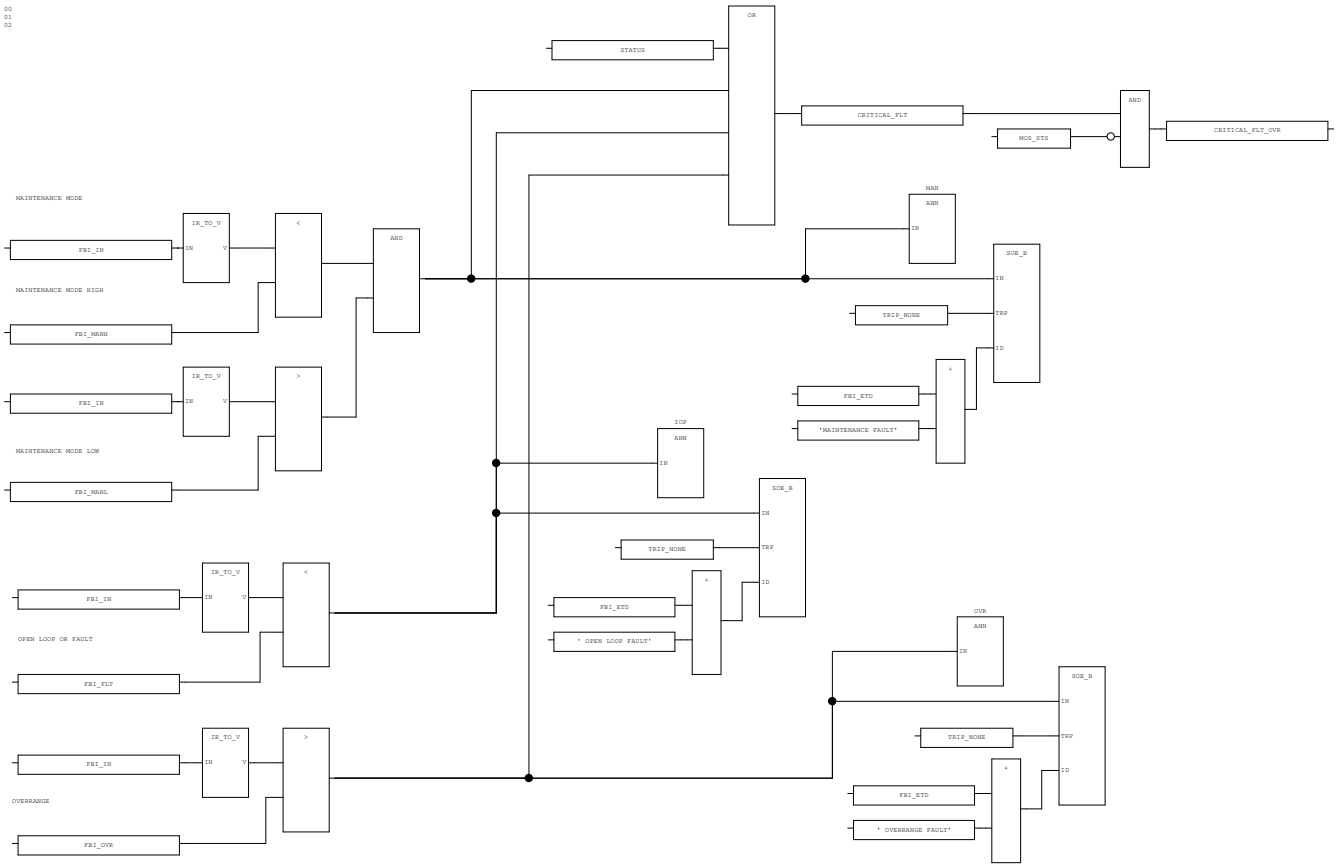
1.0.0

YOKOGAWA

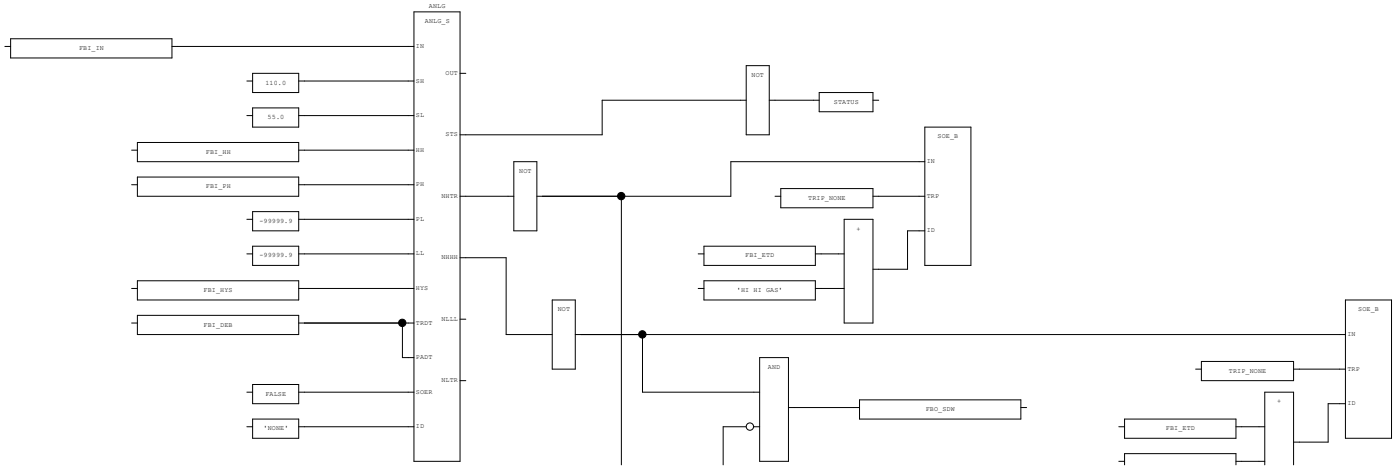
TYPICAL : LEAK DETECTOR (User Defined Function Block)

DESCRIPTION : GAS & Leakage Detector for Fire & Gas applications.
Typical to handle:
O2 & H2 GAS Detection, H2 Leakage detection and Alarming
Loop, detector, and I/O Fault detection and alarming.

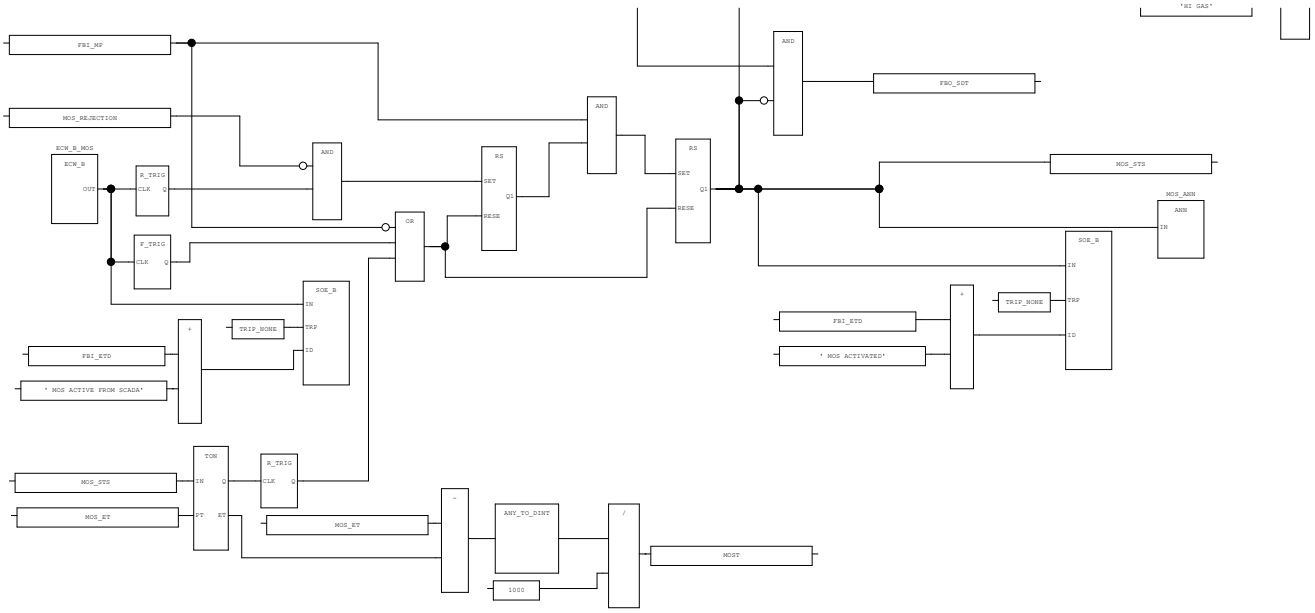
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2.0.0



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE179
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE180
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.56. FG_MAN_REL_NC (* FGS NC Type Digital Input *)

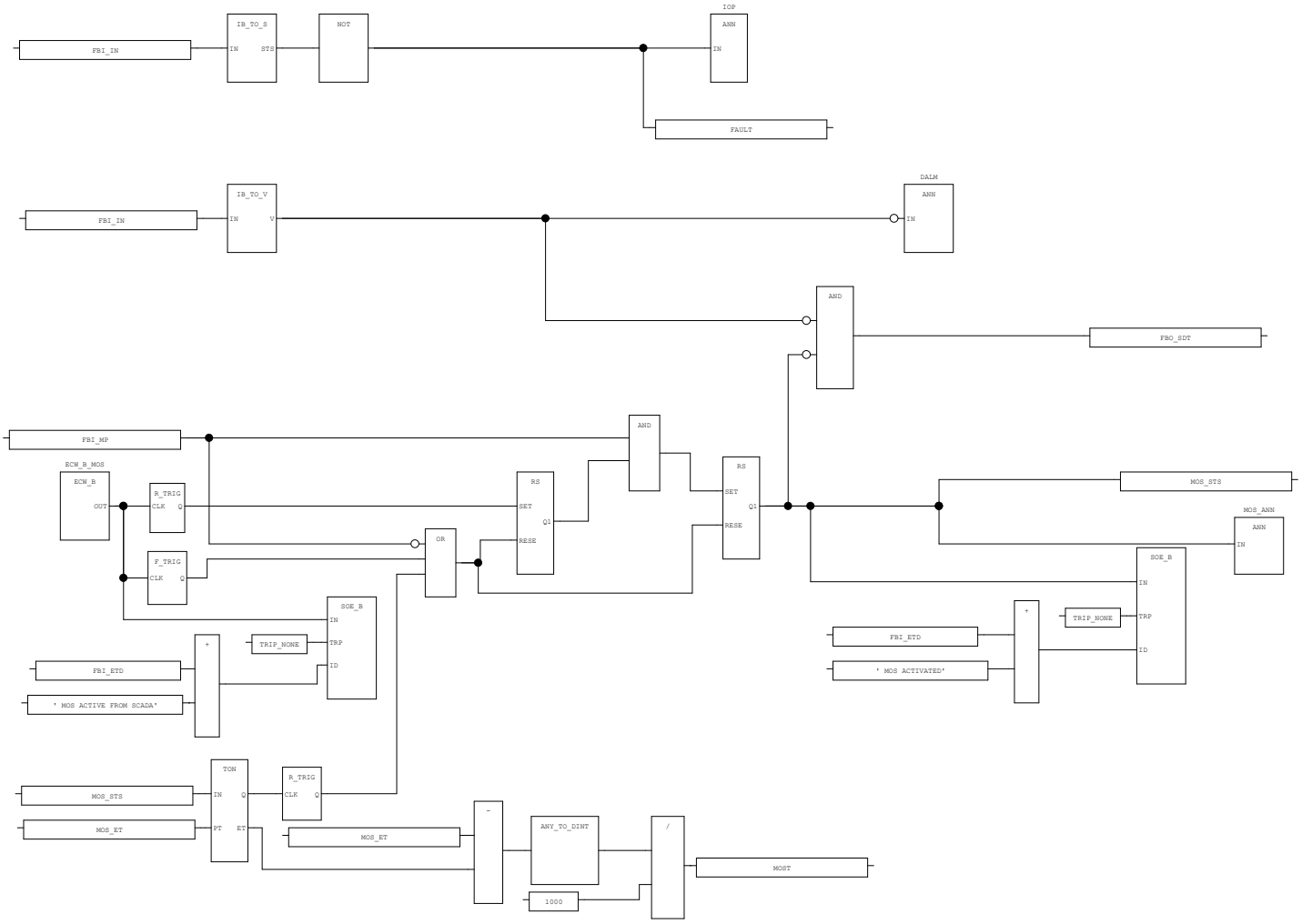
1.0.0

YOKOGAWA

TYPICAL : MAN_RELEASE (User Defined Function Block)

DESCRIPTION : Manual Release for Fire & Gas applications.
Typical to handle:
Pressure Relase Detection, IO fault handling and Alarming

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AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE181
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.57. FG_MAN_REL_NO (* FGS NO Type Digital Input *)

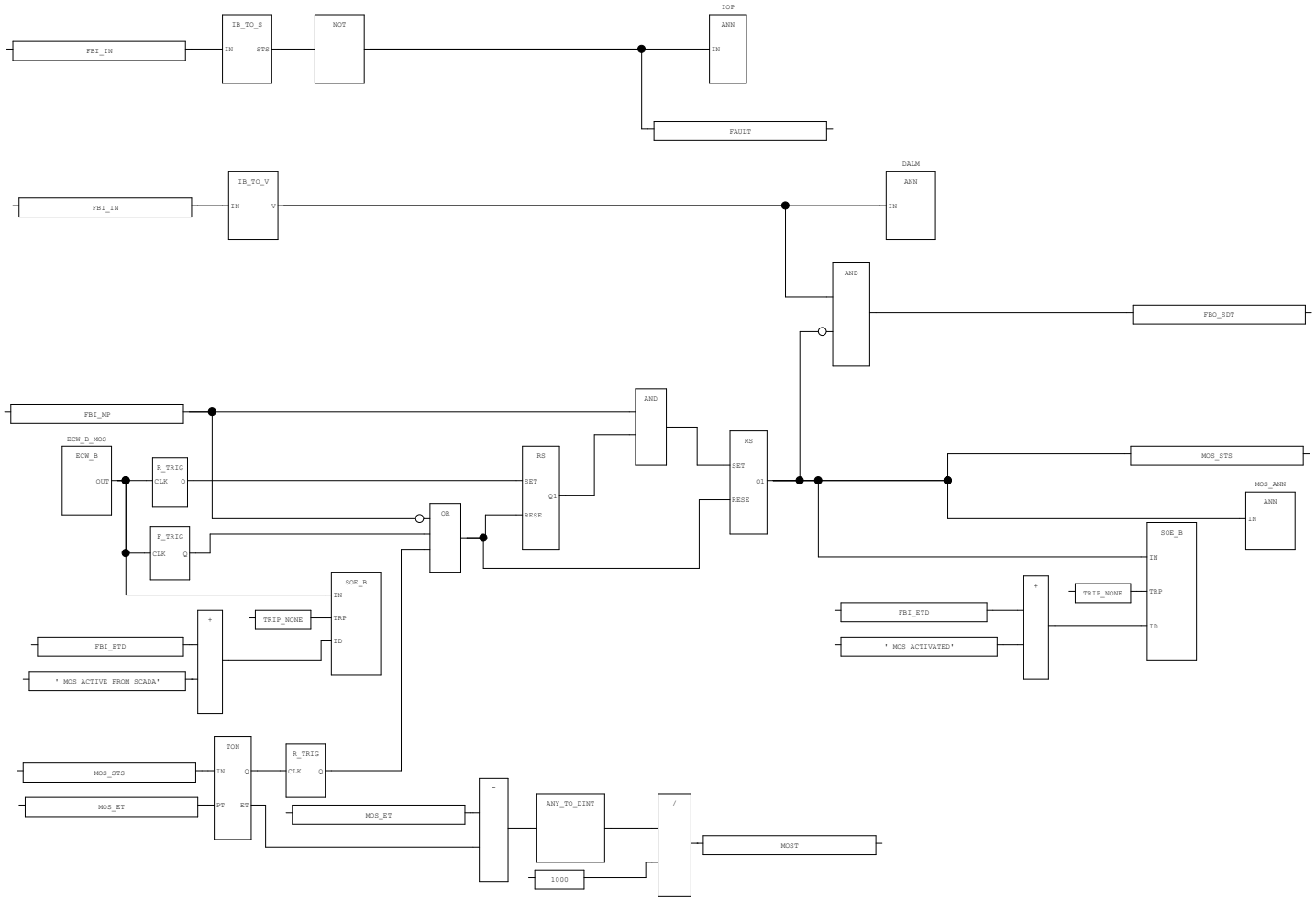
1.0.0

YOKOGAWA

TYPICAL : MAN_RELEASE (User Defined Function Block)

DESCRIPTION : Manual Release for Fire & Gas applications.
Typical to handle:
Pressure Relase Detection, IO fault handling and Alarming

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AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE182
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		

3.58. FG_SD (* Smoke Detector Analog Input *)

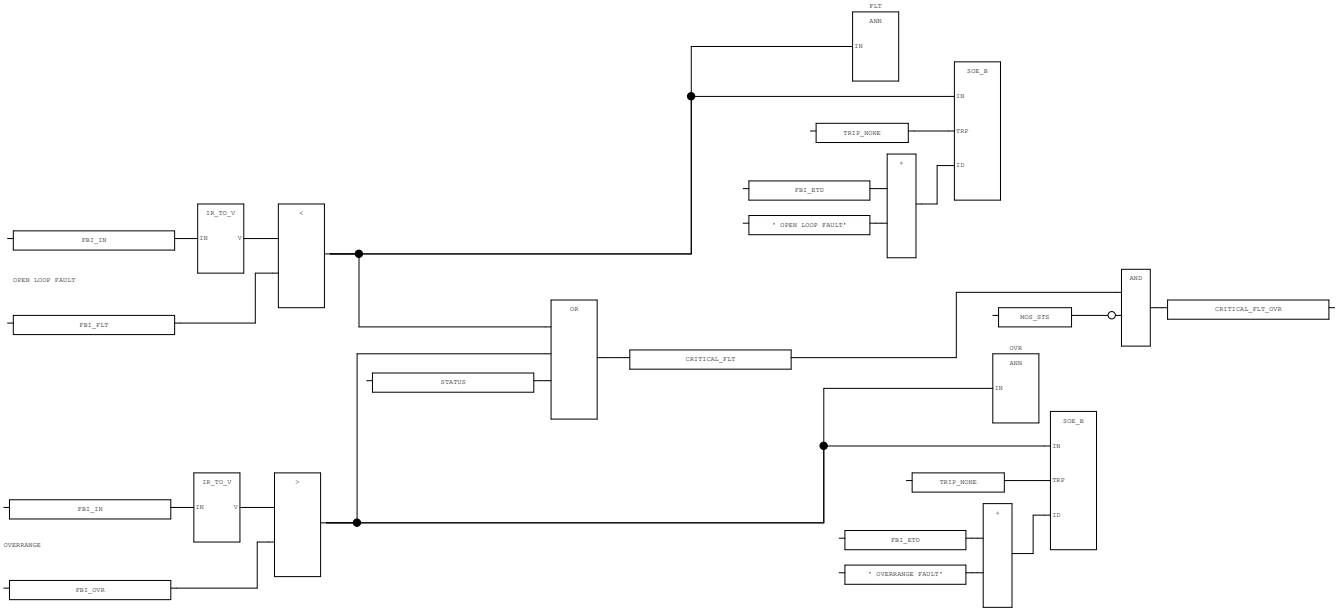
1.0.0

YOKOGAWA

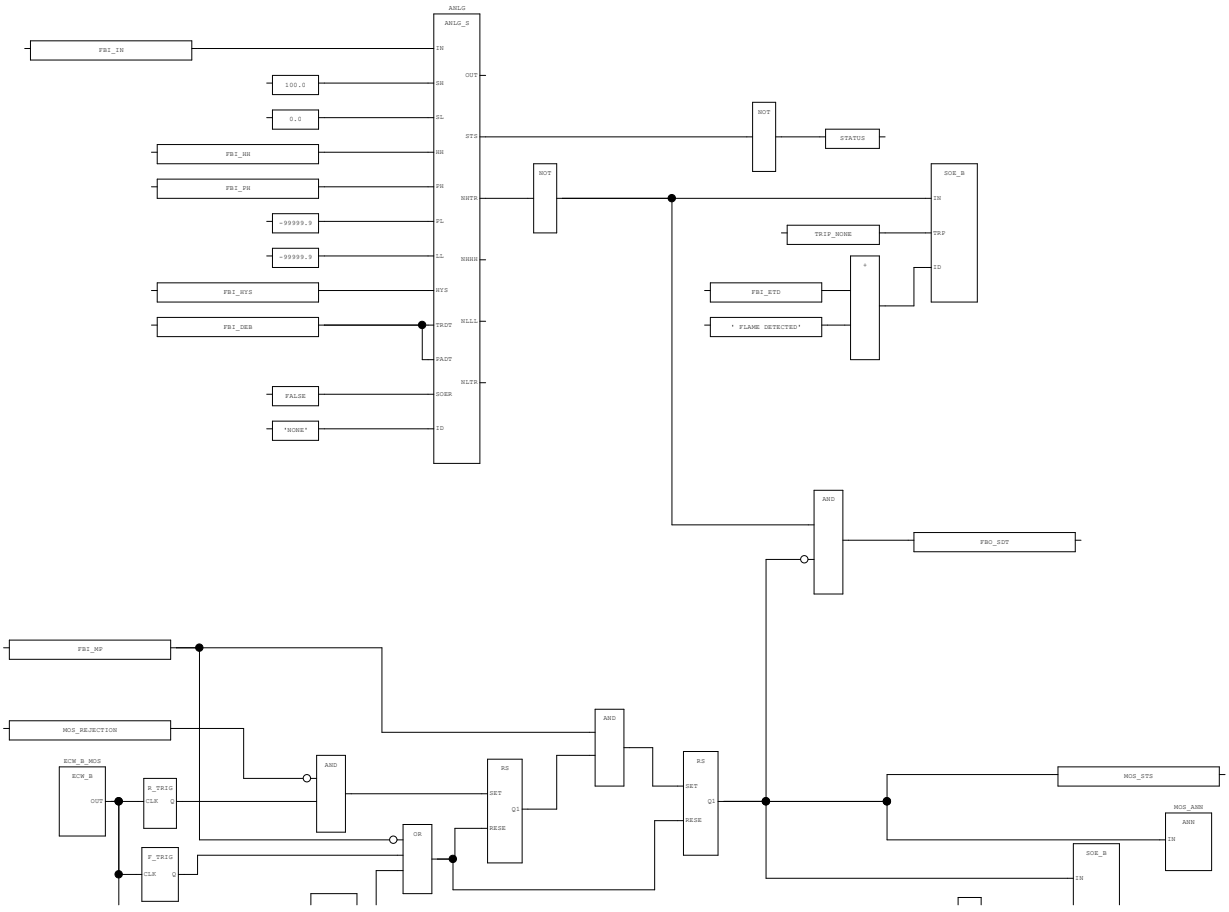
TYPICAL : SMOKE DETECTOR (User Defined Function Block)

DESCRIPTION : Smoke Detector for Fire & Gas applications.
Typical to handle:
Smoke Detection and Alarming
Loop, detector, and I/O Fault detection and alarming.

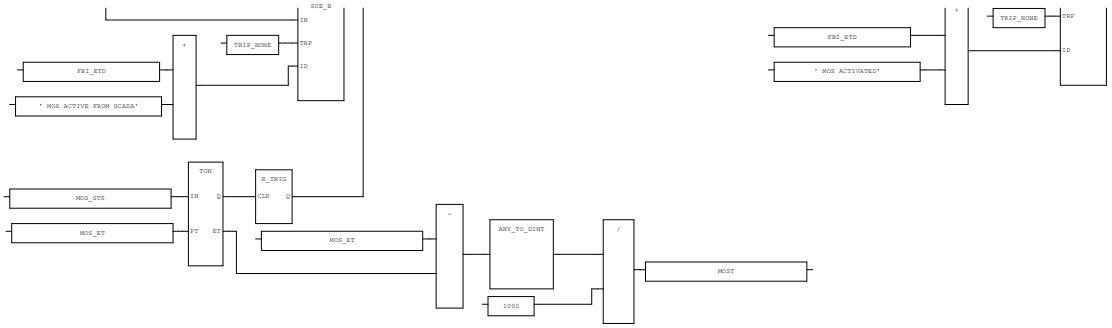
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2.0.0



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE183
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 192
				REVISION:	5.3		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE184
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

3.59. FG_V2N (* 2ooN Detectors Vote *)

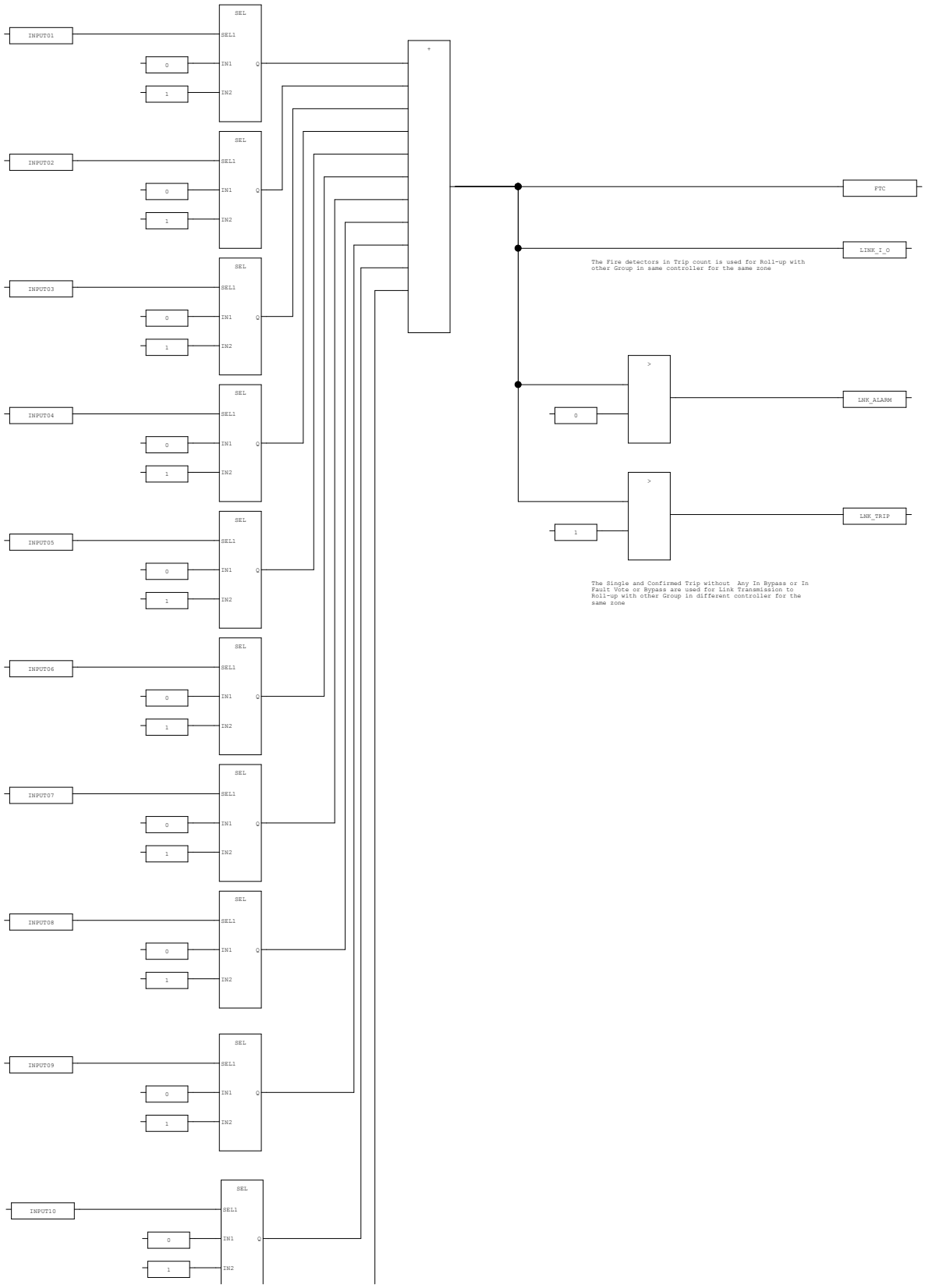
1.0.0

Typical: FG_V2N (User Defined Function Block)

DESCRIPTION: 2OON FOR Detectors in Bypass or Fault Vote & Trip Vote logics for FGS applications.
Typical to handle: Count Boolean bits from Detectors Any in Bypass or Fault Vote & Trip to Vote.

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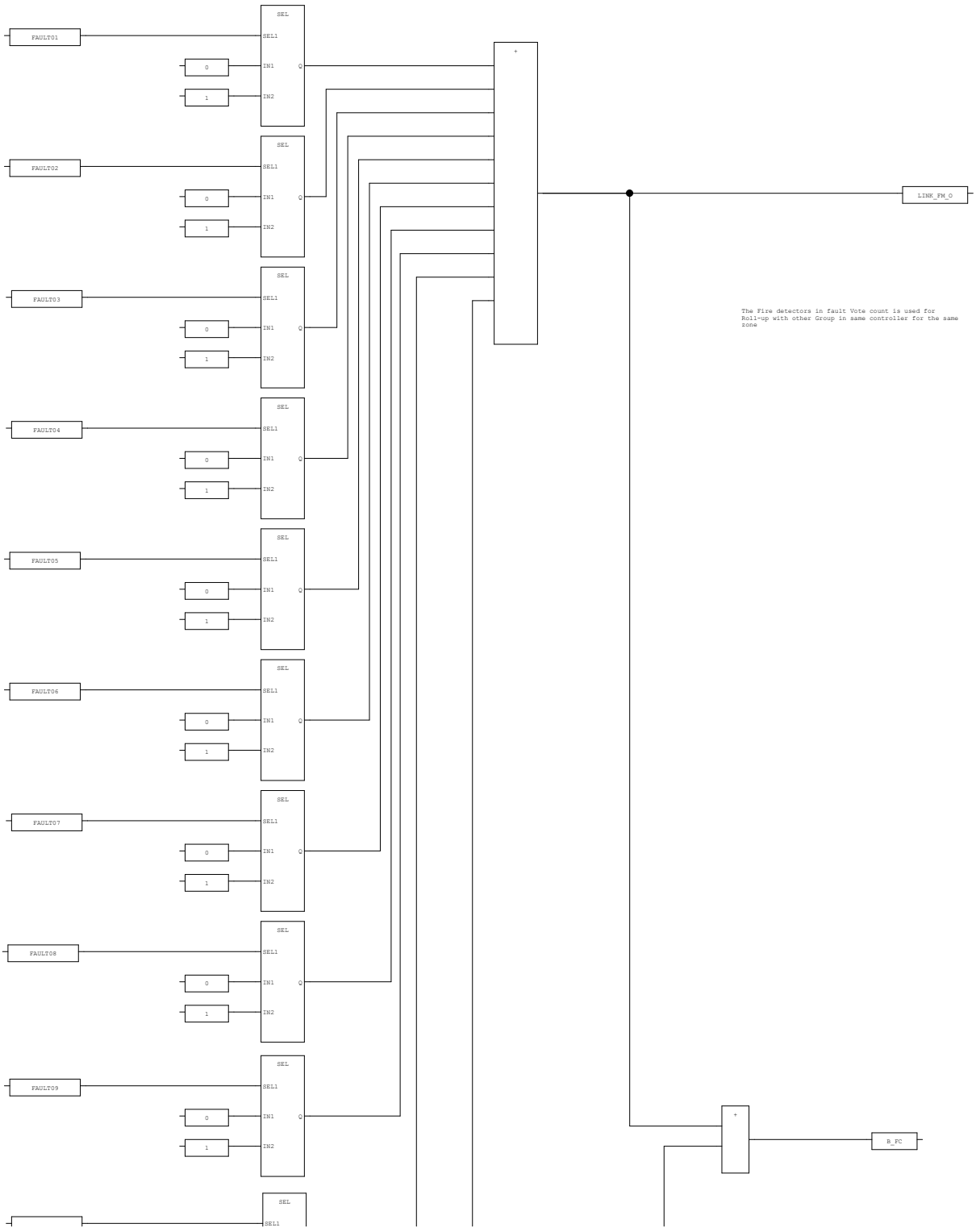
Trip Count Logic





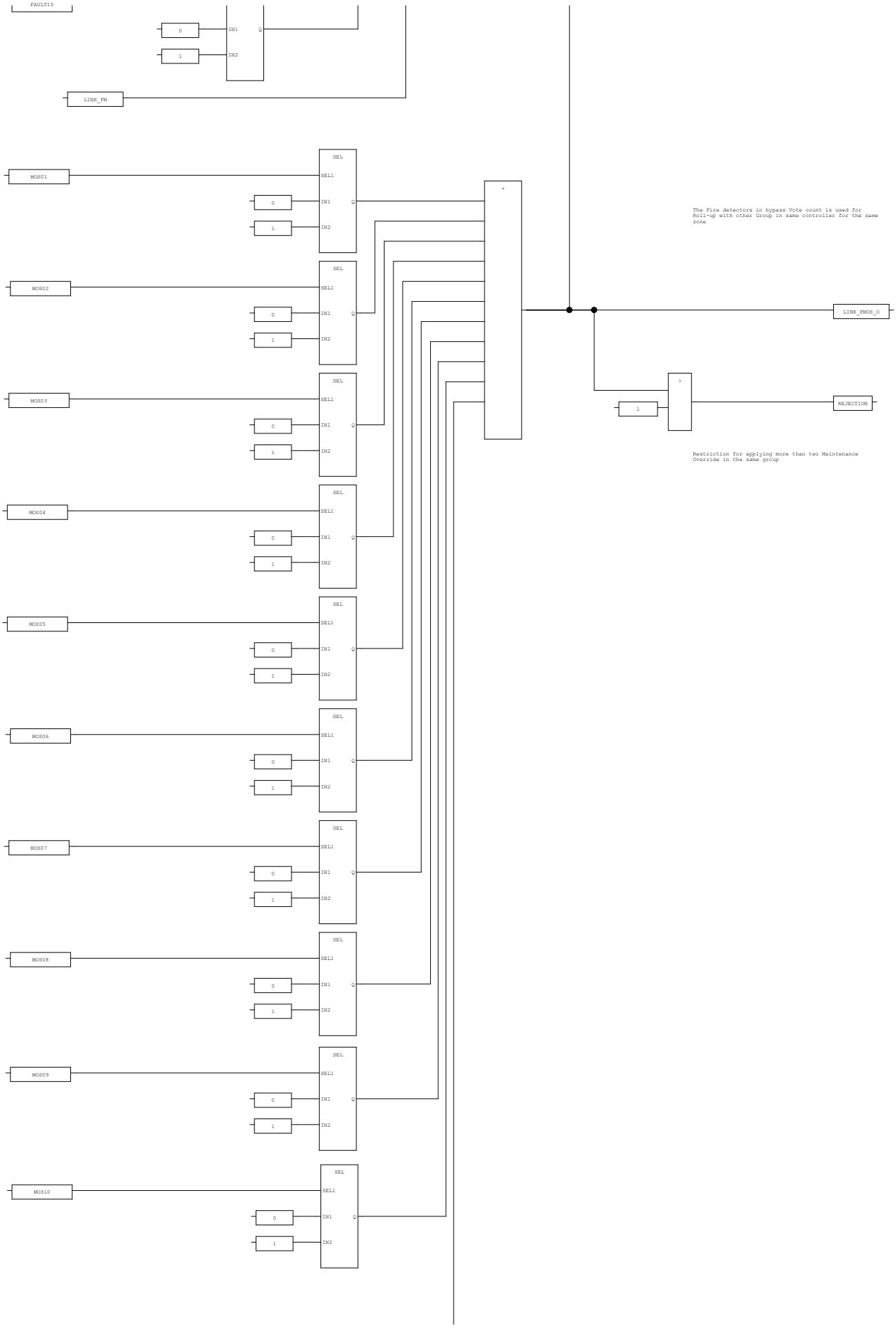
2.0.0

In- Bypass or In-Fault Count Logic

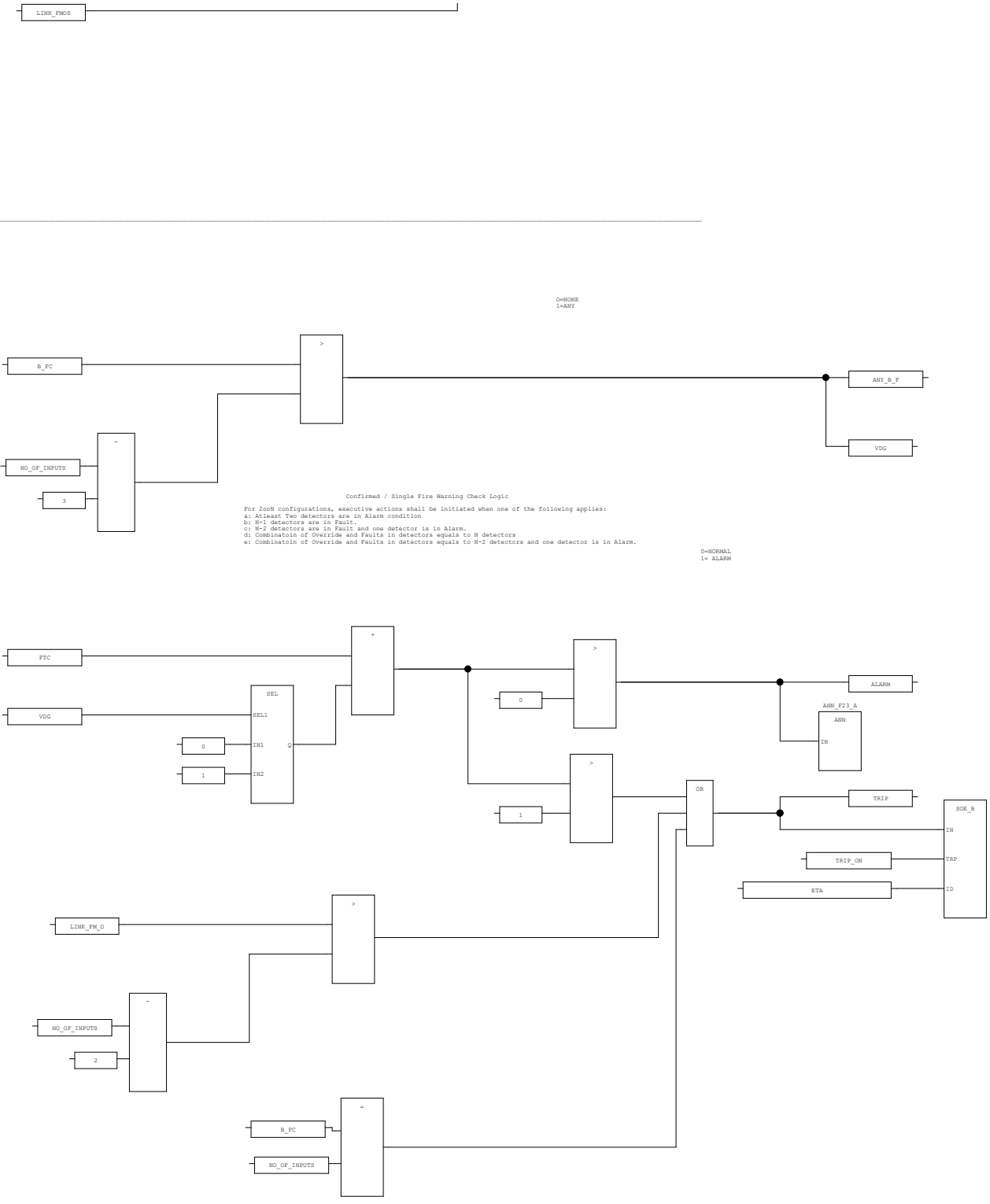


The Fire detectors in fault Vote count is used for Roll-up with other Group in same controller for the same zone

AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE186
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 192
				REVISION:	5.3		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE187
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE188
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		TOTAL 192

3.60. UZGRP (* IPS UZ group with 10 inputs *)

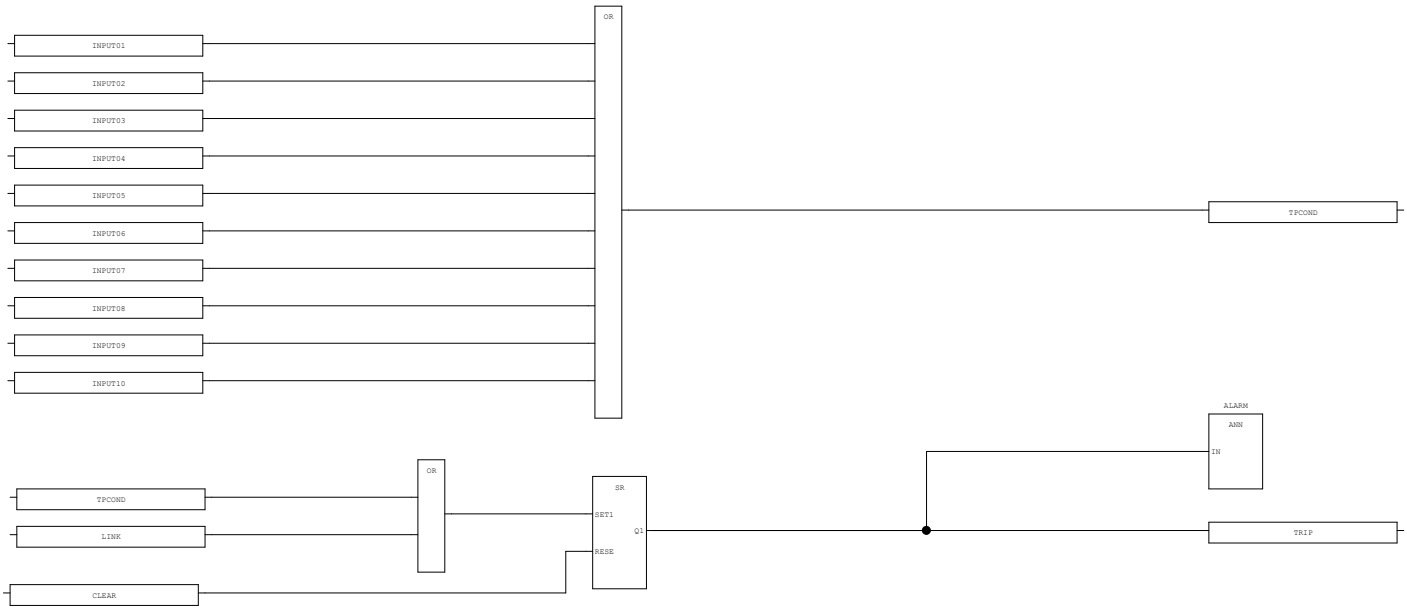
1.0.0

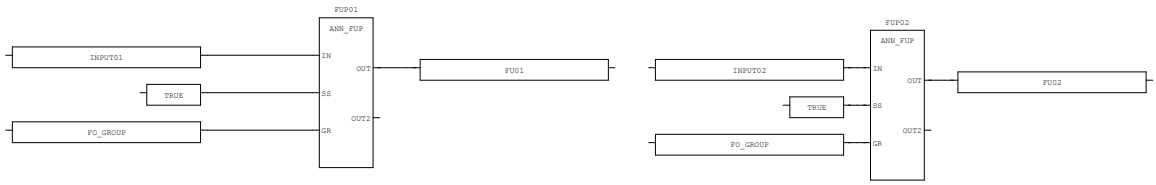
YOKOGAWA

TYPICAL : UZGRP (User Defined Function Block)

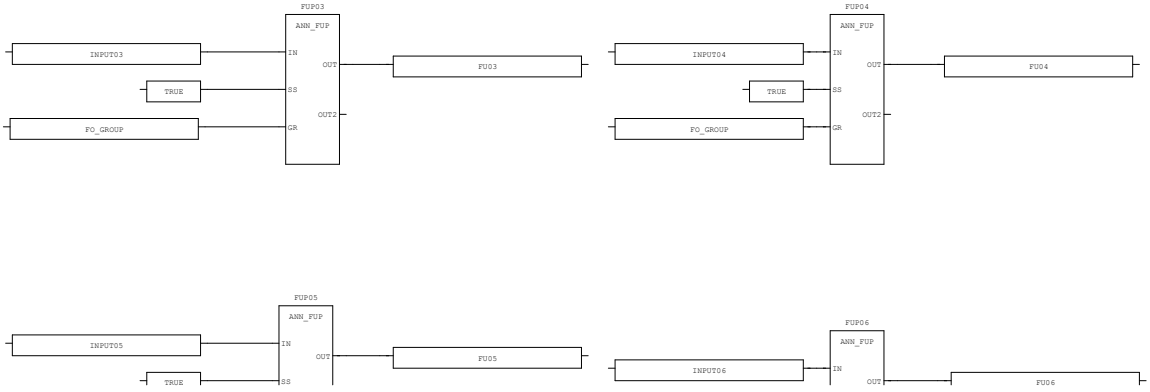
DESCRIPTION : This FB is used for the processing trip logic.
The UZGRP function block has the following main functions:
- Trip the UZ group if any of the input causes are in tripped state.
- Initiate a first out alarm.
- Latch the UZ trip until the causes have returned to normal state & no reset is activated.

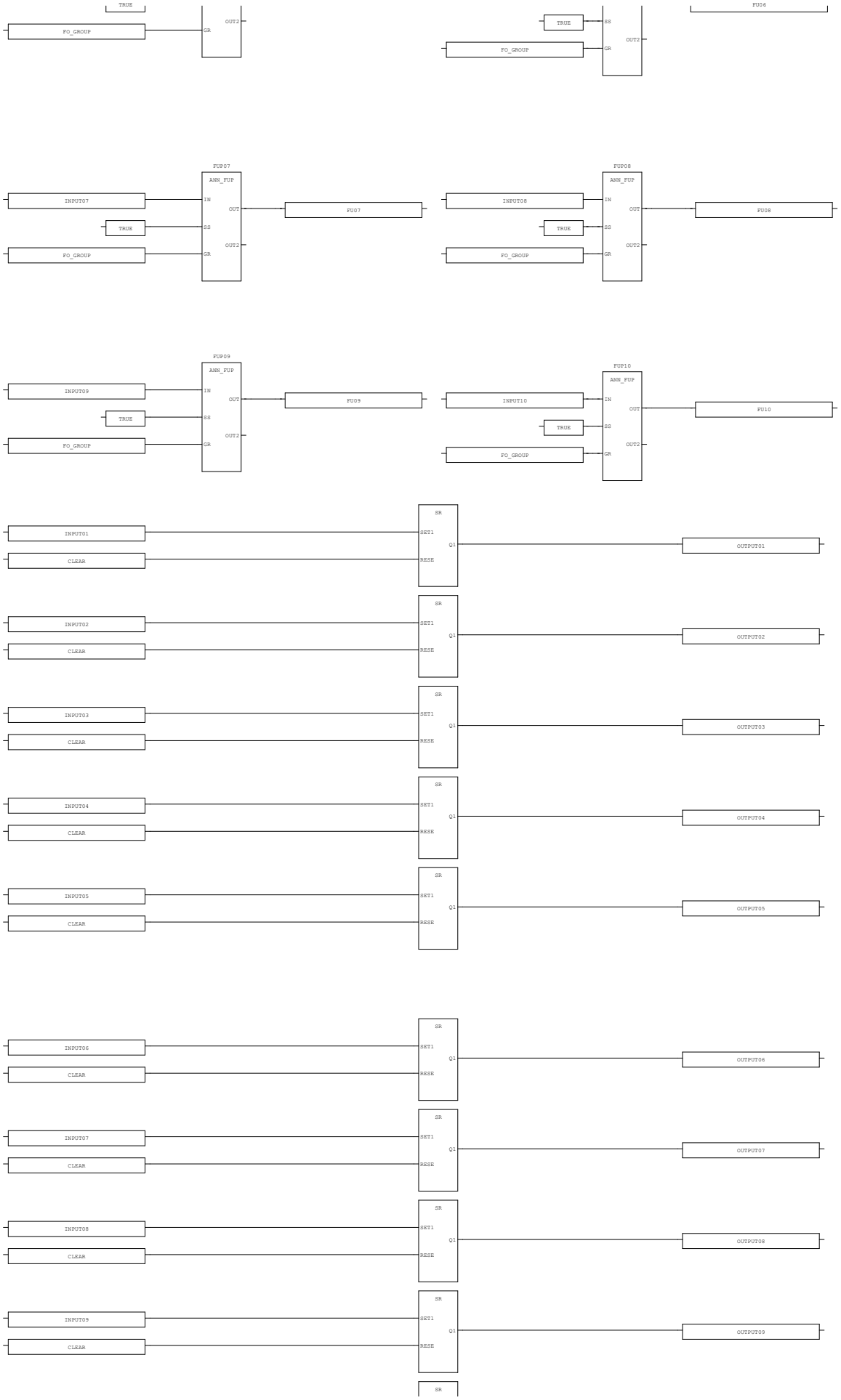
Rev 00



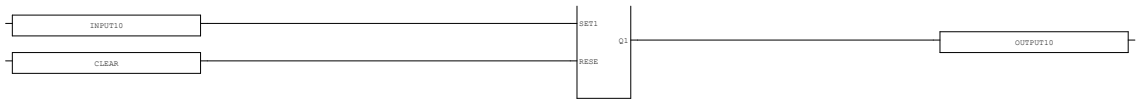


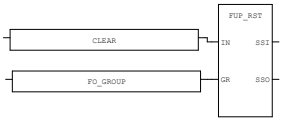
2.0.0





AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE190
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		





AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE191
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	16-Sep-2025		TOTAL 192
				REVISION:	5.3		

3.61. UZRST (* IPS Reset for UZ group *)

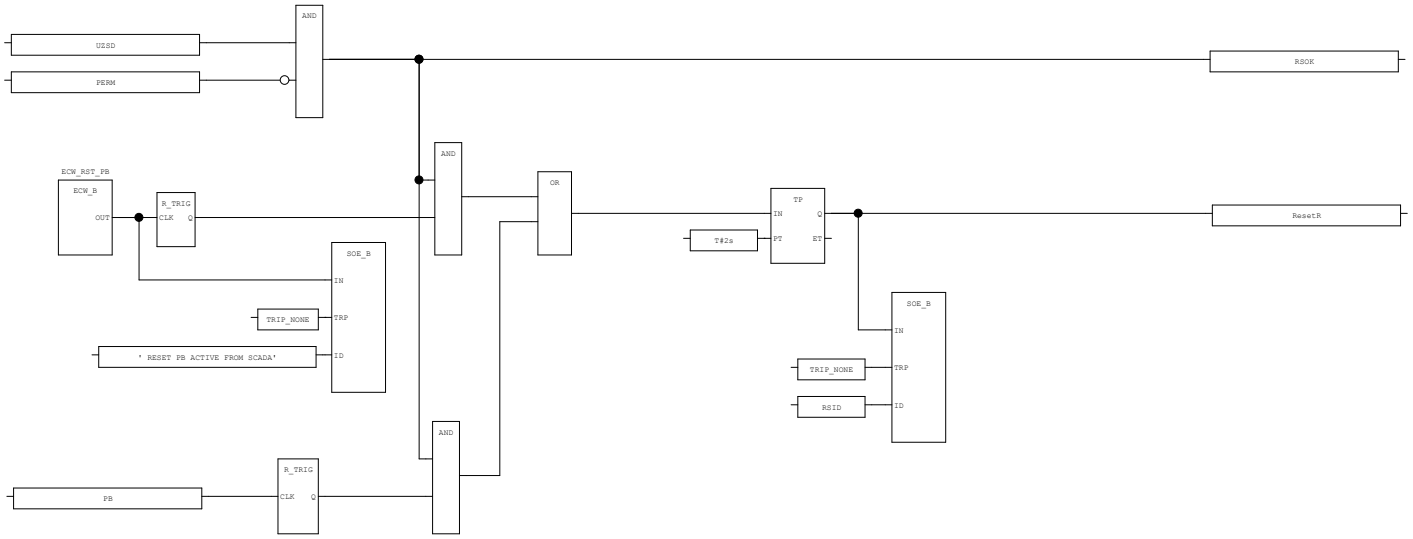
1.0.0

YOKOGAWA

TYPICAL : UZRST (User Defined Function Block)

DESCRIPTION : This FB is used for the UZ group reset.
The UZRST function block has the following main functions:
- Reset UZ groups only when SCS Reset operated from HIS has been applied
- Indicate that SCS reset is allowed
- Reset First out alarm

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AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE192
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
				DATE:	16-Sep-2025		TOTAL 192
SYSTEM:	FGS	POU COMMENT:		REVISION:	5.3		