Base Load Power Hub (BLPH)

Logic diagram print out SIS and FGS

Document Number: 1724000594-IN-DG-00026

Project Document Number: E366772C00-SIS_LD

Document Class: 3

0	10/02/2025	Issue for Information (IFI)	SK	AB	SC
Rev.	Date	Description	Prepared	Reviewed	Approved

YOKOGAWA Co-innovating tomorrow™

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Revision / Change Log

Rev.	Description
00	Issue for Information (IFI)

HOLDS LIST

No.	Description
1	
2	
3	
4	

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Table of contents

1 INTRODUCTION 5

1.1 PROJECT OVERVIEW 5

1.1.1 Project Location 5

1.1.2 Project Concept 6

2 DOCUMENT SCOPE 8

2.1 REFERENCES 8

2.2 Yokogawa project documents 15

2.3 DEFINITIONS AND ABBREVIATIONS 16

3 Logic Diagram Print out SIS and FGS 19

3.1 SIS Controller SCS0110 Logic Print out 19

3.2 FGS controller scs0120 logic print out 19

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

List of Figures

Figure 1 HOLLANDSE KUST NOORD WIND PARK Location Map 5
Figure 2 - Wind Park Details 6
Figure 3 – BLPH Concept 6

List of tables

Table 1 - Reference Documents 14
Table 2 – Yokogawa Project Documents 16
Table 3 - Definitions and Abbreviations 18

List of Attachments

Attachment -1 SIS Controller SCS0110 Logic Print Out

Attachment -2 FGS Controller SCS0120 Logic Print Out

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

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.

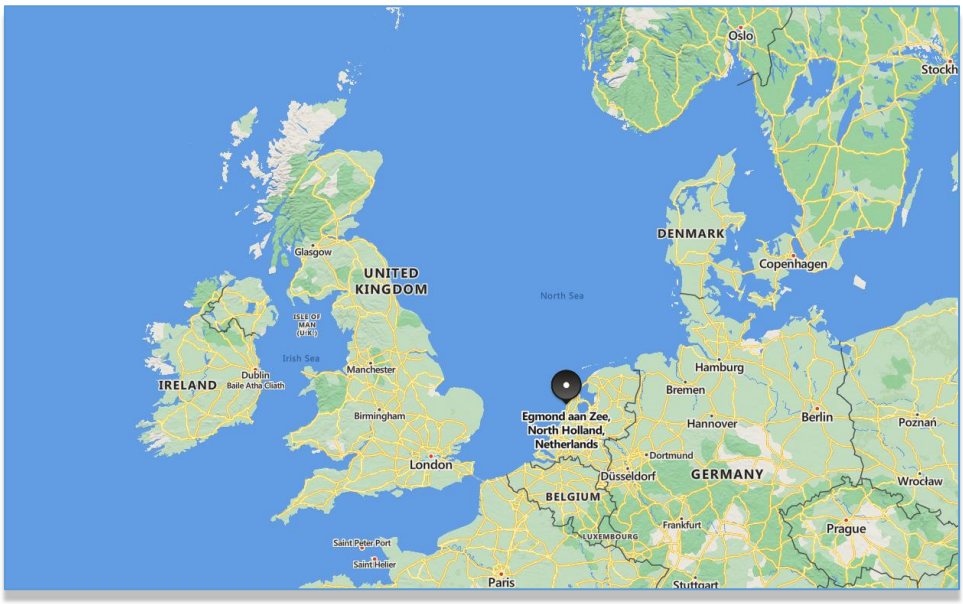


Figure 1 HOLLANDSE KUST NOORD WIND PARK Location Map

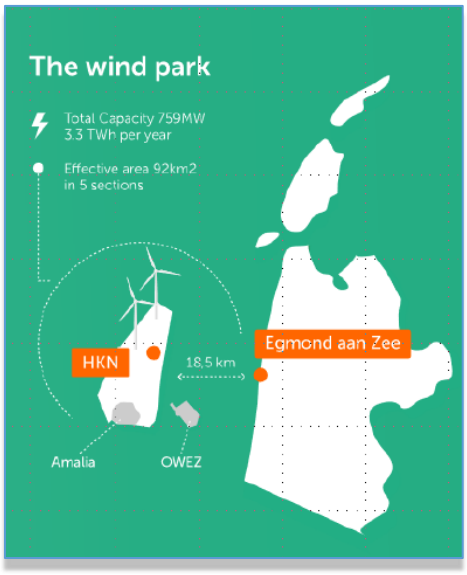


Figure 2 - Wind Park Details

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.

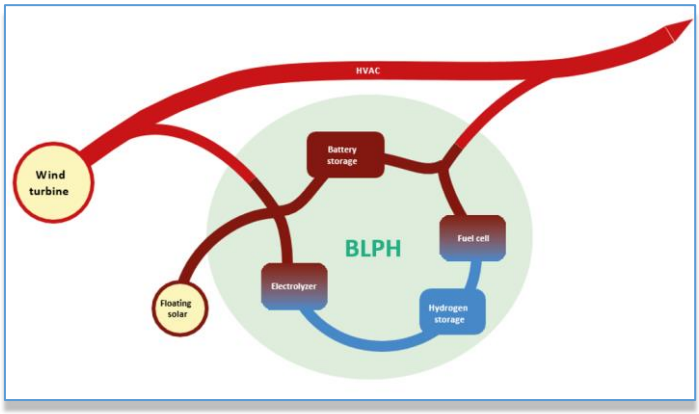


Figure 3 – BLPH Concept

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.

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

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-DDL-EL-DG-20041 Rev.00	Block Diagram (EMCS)
123A90-PML-PM-TQ-00050 Rev.01	Reactive power control requirement for BLPH
123A90-DDL-EL-DS-20040 Rev.00	TDS - Electrical Monitoring and Control System (EMCS)
123A90-PML-PM-TQ-00052 Rev.00	Interface with Electrolyzer
123A90-PML-PM-TQ-00053 Rev.00	Interface with BESS
123A90-PML-PM-TQ-00054 Rev.00	Interface with WINDFARM and WTG-57
123A90-PML-PM-TQ-00055 Rev.01	Interface with SOLAR FARM
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

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Doc. No.	*Description*
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
123A90-DDL-IN-RE-40093 Rev. 00	Control System Philosophy
123A90-DDL-IN-DL-40013 Rev.00	Earthing layouts drawings (Onshore CCR, Offshore ITER)
123A90-DDL-IN-DD-40096 Rev.00	Control System Architecture Detailed Drawings
123A90-DDL-IN-DD-40029 Rev.00	Automation Detailed Design and Construction Package
123A90-DDL-EL-SP-20039 Rev.00	Functional and Technical Design Specification, IDS and DDS for EMCS
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
123A90-DDL-PR-PID-80009 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM GENERAL NOTES
123A90-DDL-PR-PID-80010 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM PIPING SYMBOLOGY
123A90-DDL-PR-PID-80011 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM ELECTROLYSER PACKAGE
123A90-DDL-PR-PID-80012 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM FUEL CELL PACKAGE
123A90-DDL-PR-PID-80013 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN STORAGE VESSELS HEADER (INLET)

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Doc. No.	*Description*
123A90-DDL-PR-PID-80014 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN STORAGE VESSELS HEADER (OUTLET)
123A90-DDL-PR-PID-80015 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN STORAGE VESSEL A
123A90-DDL-PR-PID-80016 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN STORAGE VESSEL B
123A90-DDL-PR-PID-80019 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN STORAGE VESSEL E
123A90-DDL-PR-PID-80017 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN STORAGE VESSEL C
123A90-DDL-PR-PID-80018 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN STORAGE VESSEL D
123A90-DDL-PR-PID-80020 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN STORAGE VESSEL F
123A90-DDL-PR-PID-80021 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM SEA-WATER INTAKE SYSTEM SHEET 1
123A90-DDL-PR-PID-80022 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM SEA-WATER INTAKE SYSTEM SHEET 2
123A90-DDL-PR-PID-80023 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM WATER TREATMENT PLANT SHEET 1
123A90-DDL-PR-PID-80024 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM WATER TREATMENT PLANT SHEET 2
123A90-DDL-PR-PID-80025 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM WATER DISPOSAL SHEET 1
123A90-DDL-PR-PID-80026 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM WATER DISPOSAL SHEET 2
123A90-DDL-PR-PID-80027 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM INSTRUMENT AIR PACKAGE
123A90-DDL-PR-PID-80029 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN VENT DRUM
123A90-DDL-PR-PID-80028 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM HYDROGEN VENT HEADER

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Doc. No.	*Description*
123A90-DDL-PR-PID-80041 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM Instrument air distribution header
123A90-DDL-PR-PID-80042 Rev.02	BLPH PIPING AND INSTRUMENTATION DIAGRAM instrumentation SYMBOLOGY
123A90-DDL-PR-PID-80043 Rev.00	BLPH PIPING AND INSTRUMENTATION DIAGRAM - OPEN DRAIN SYSTEM
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
123A90-DDL-EL-DG-20014 Rev 01	Electrical Control, Protection and Metering Diagrams

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Doc. No.	*Description*
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
1723002197-EL-DG-00022 Rev.01	SG-100D1 MV SWBD 6,6kV INTERCONNECTING

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Doc. No.	*Description*
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
1724000372-EL-DG-00007 Rev.02	AC UPS - SINGLE LINE DIAGRAM and INTERCONNECTING DIAGRAM

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Doc. No.	*Description*
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

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

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-QC-DB-00033 Rev00	MANUFACTURERS RECORD BOOK (FINAL DOSSIER)
1724000594-IN-LIS-00040 Rev00	VENDOR ASSET AND TAG REGISTER
1724000594-IN-DG-00023 Rev01	NETWORK AND SERVER CABINETS IN OER ROOM WIRING DIAGRAMS AND TERMINAL STRIPS
1724000594-MD-LIS-00001 Rev03	SUPPLIER MASTER INDEX REGISTER (SMIR)
1724000594-IN-MAN-00038 Rev00	Instructions for Operation and Maintenance for ProSafe-RS
1724000594-IN-DA-00009 Rev01	PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
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-COM-LIS-00039 Rev01	SPARE PART INDEX REGISTER (COMMISSIONING AND 2-YEARs OPERATION)
1724000594-IN-PL-00029 Rev00	Safety Validation Plan (SVP)
1724000594-IN-CA-00006 Rev01	Power Consumption and Heat Dissipation
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-DG-00021 Rev01	SAFETY SYSTEMS CABINETS (SIS AND FGS) WIRING DIAGRAMS AND TERMINAL STRIPS
1724000594-IN-DA-00010 Rev01	SAFETY SYSTEMS CABINETS (SIS AND FGS) GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
1724000594-IN-LIS-00036 Rev01	ATEX REGISTER

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Doc. No.	Description
1724000594-IN-DA-00011 Rev02	NETWORK AND SERVER CABINETS IN ITER ROOM GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
1724000594-IN-SP-00019 Rev02	EMCS Software Functional Design Specification (FDS-SW)
1724000594-QC-LIS-00034 Rev00	MANUFACTURERS RECORD BOOK (FINAL DOSSIER) - INDEX
1724000594-IN-DA-00012 Rev01	NETWORK AND SERVER CABINETS IN OER ROOM GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
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-00022 Rev01	NETWORK AND SERVER CABINETS IN ITER ROOM WIRING DIAGRAMS AND TERMINAL STRIPS
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)
1724000594-IN-DG-00024 Rev01	EMCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
1724000594-IN-DA-00013 Rev01	EMCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT

Table 2 – Yokogawa Project Documents

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

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

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

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

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

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

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		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

Table of contents

Cover Page i
Table of contents ii
1. POU 1
1.1. REV_HIS(* Rev History - Application Program Rev Information *) 1.1-1
1.2. DIAG_SYS(* System Diagnostic *) 1.2-1
1.3. RECV(* Signal Transfer - Receive *) 1.3-1
1.4. AI_01(* Analog Input Processing *) 1.4-1
1.5. AI_02(* Analog Input Processing *) 1.5-1
1.6. DI_01(* Digital Input Processing - DDI *) 1.6-1
1.7. DI_02(* Digital Input Processing - DDI *) 1.7-1
1.8. DI_03(* Digital Input Processing - EDI *) 1.8-1
1.9. DI_04(* Digital Input Processing - EDI *) 1.9-1
1.10. DI_05(* Digital Input Processing - EDI *) 1.10-1
1.11. CE_LOGIC_1(* C&E Interlock Logic *) 1.11-1
1.12. CE_LOGIC_2(* C&E Interlock Logic *) 1.12-1
1.13. CE_LOGIC_3(* C&E Interlock Logic *) 1.13-1
1.14. CE_LOGIC_4(* C&E Interlock Logic *) 1.14-1
1.15. CE_LOGIC_5(* C&E Interlock Logic *) 1.15-1
1.16. CE_LOGIC_6(* C&E Interlock Logic *) 1.16-1
1.17. DO_01(* Digital Output Processing *) 1.17-1
1.18. DO_02(* Digital Output Processing *) 1.18-1
1.19. DO_03(* Digital Output Processing *) 1.19-1
1.20. DO_04(* Digital Output Processing *) 1.20-1
1.21. DO_05(* Digital Output Processing *) 1.21-1
1.22. DO_06(* Digital Output Processing *) 1.22-1
1.23. DO_07(* Digital Output Processing *) 1.23-1
1.24. DO_PROC_01(* Valve Condtioning *) 1.24-1
1.25. DO_PROC_02(* Valve Condtioning *) 1.25-1
1.26. SEND(* Signal Transfer - Send *) 1.26-1
1.27. Logics1(* RST-COMM LOGICS *) 1.27-1
1.28. Logics2(* OR GATE-MOS ENB LOGICS *) 1.28-1
1.29. TIMER(* C&E Timer Logic *) 1.29-1
1.30. TIMER2(* C&E Timer Logic *) 1.30-1
1.31. AOS(* IPS Override function *) 1.31-1
1.32. BDV(* Blowdown Valve with Limit switches *) 1.32-1
1.33. DDI(* De-energized to trip without LM *) 1.33-1
1.34. DDI_LM(* De-energized to trip with LM *) 1.34-1
1.35. EDI(* Energize to trip without LM *) 1.35-1
1.36. EDI_LM(* Energize to trip with LM *) 1.36-1
1.37. SAI(* IPS Analog input with HH/LL trip *) 1.37-1
1.38. SDV_1(* SDV VLV Position FB with Manua/Auto Open *) 1.38-1
1.39. UZGRP(* IPS UZ group with 10 inputs *) 1.39-1
1.40. UZRST(* IPS Reset for UZ group *) 1.40-1
1.41. TOF_TIMER 1.41-1

1. POU

1.1. 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

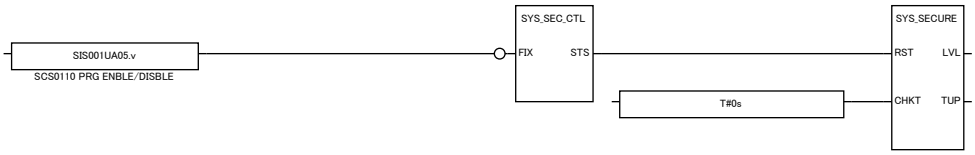
Process Units: -

**********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

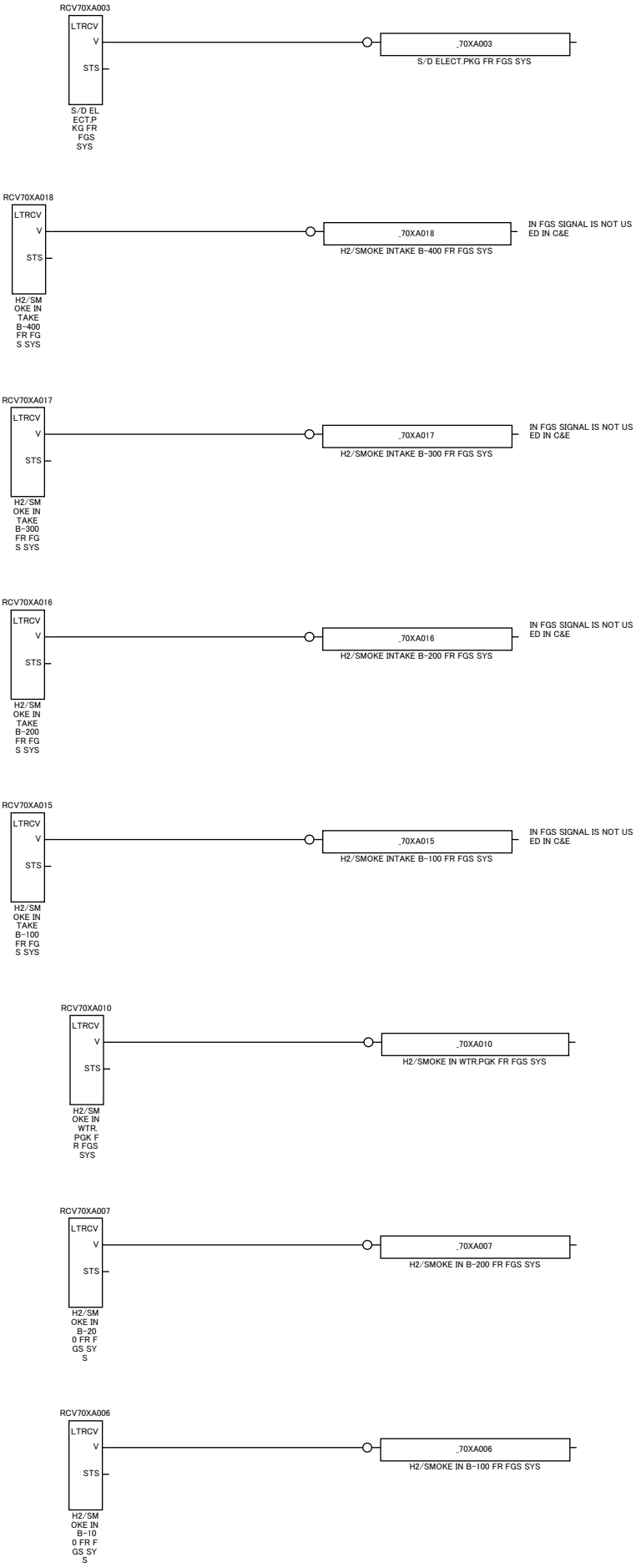
1.2. DIAG_SYS(* System Diagnostic *)

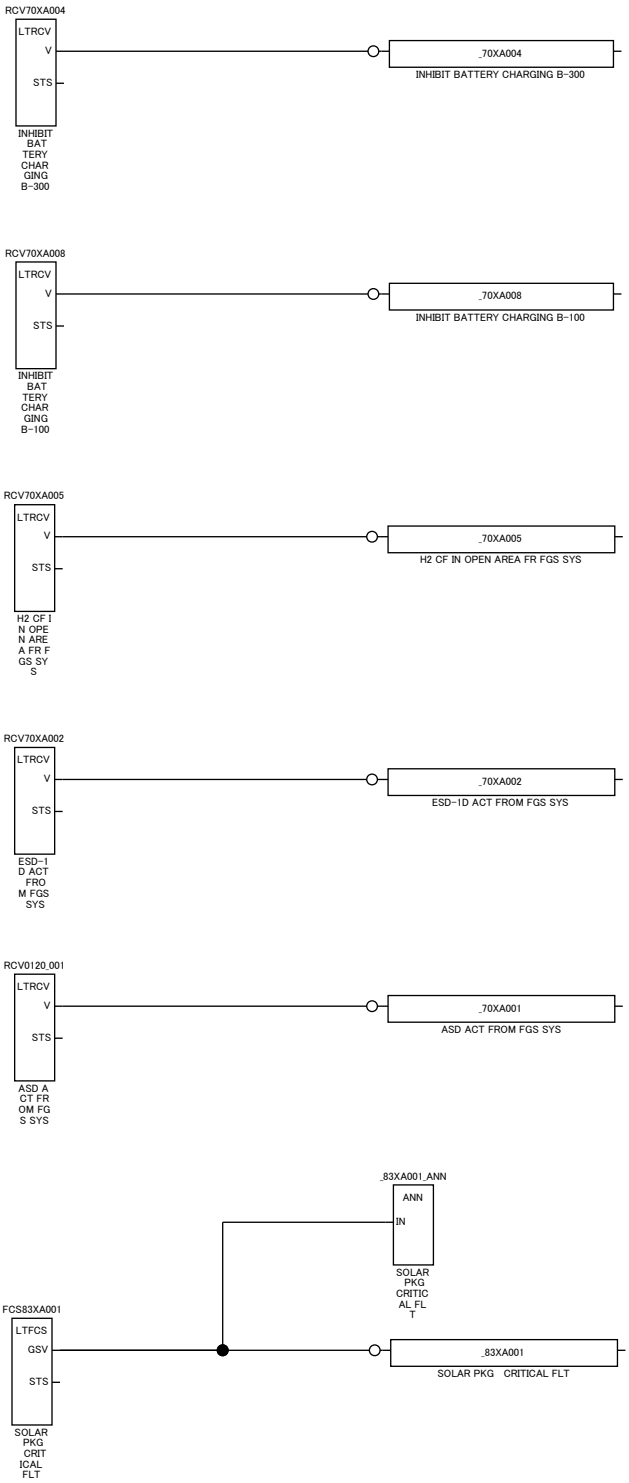
SCS0110_SYS_SEC PROGRAM SYSTEM ENABLE



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 4
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

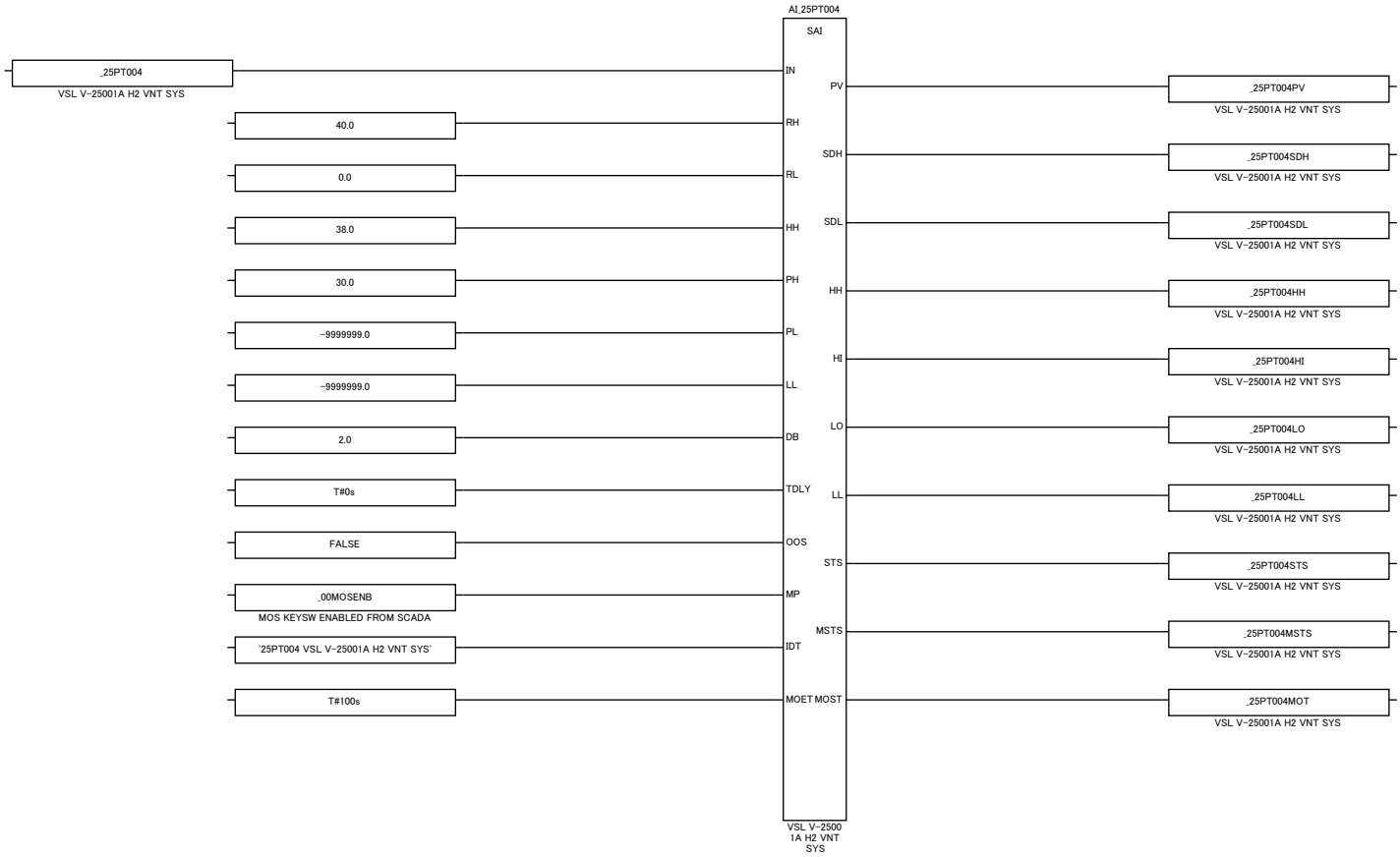
1.3. RECV(* Signal Transfer - Receive *)

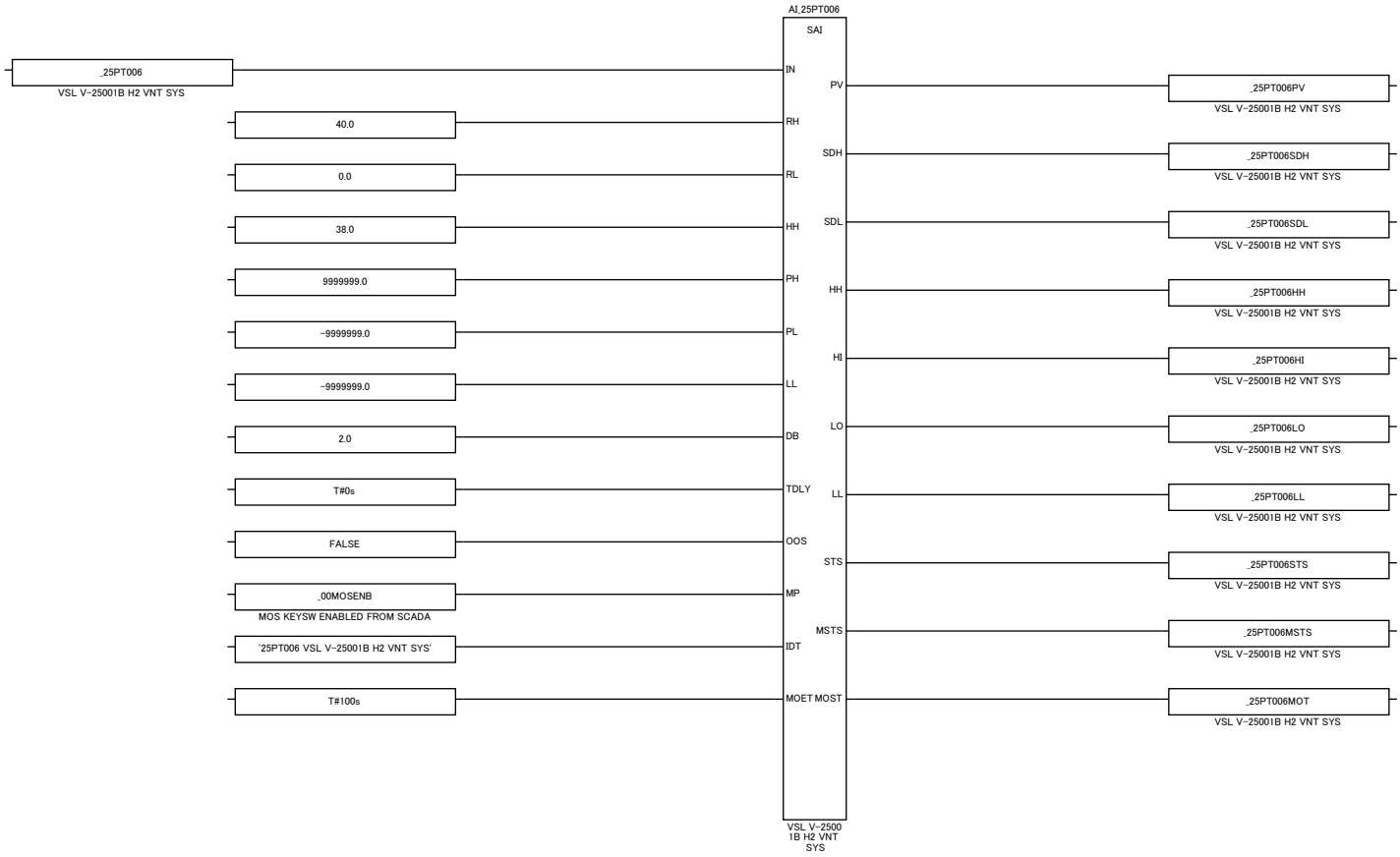


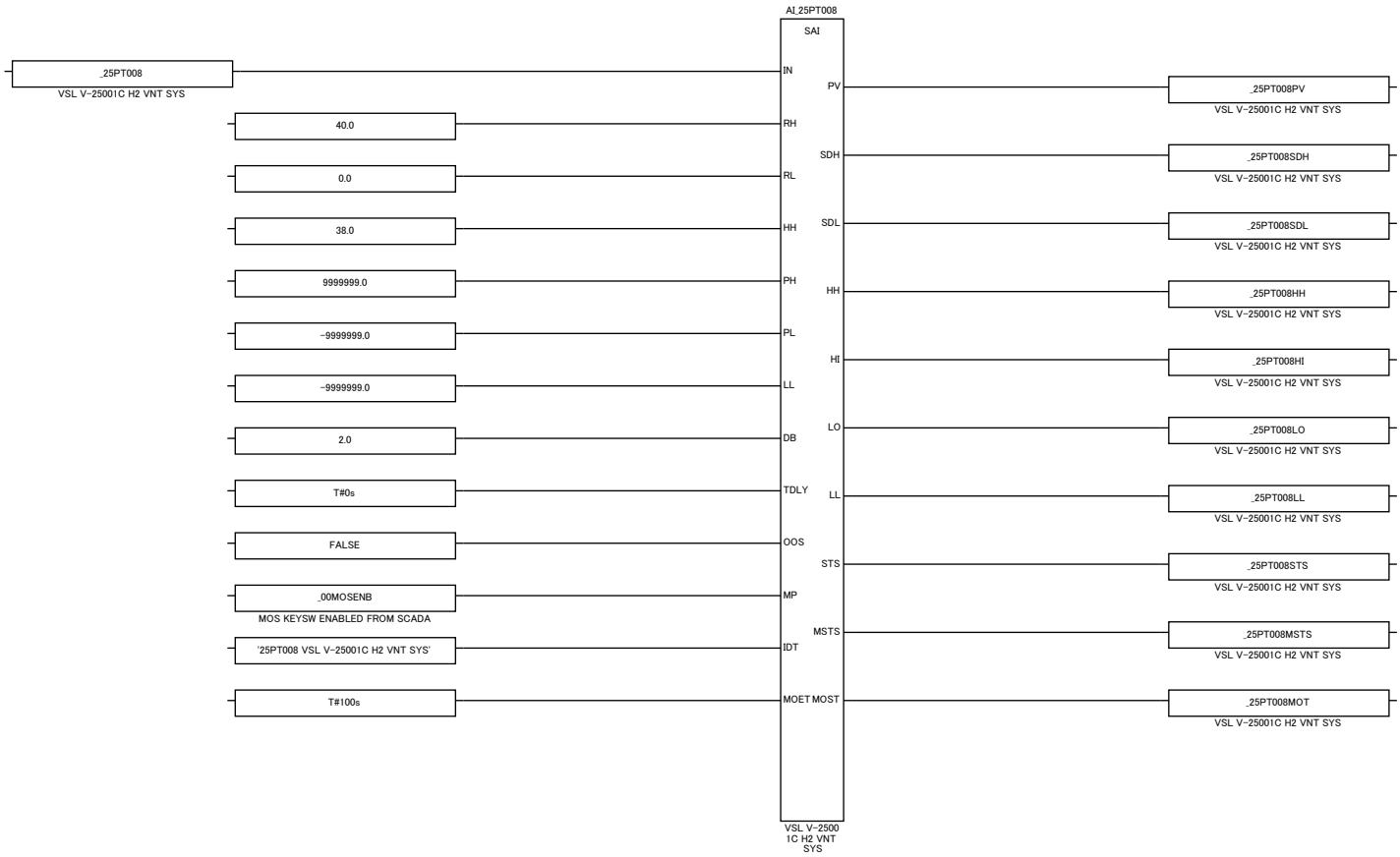


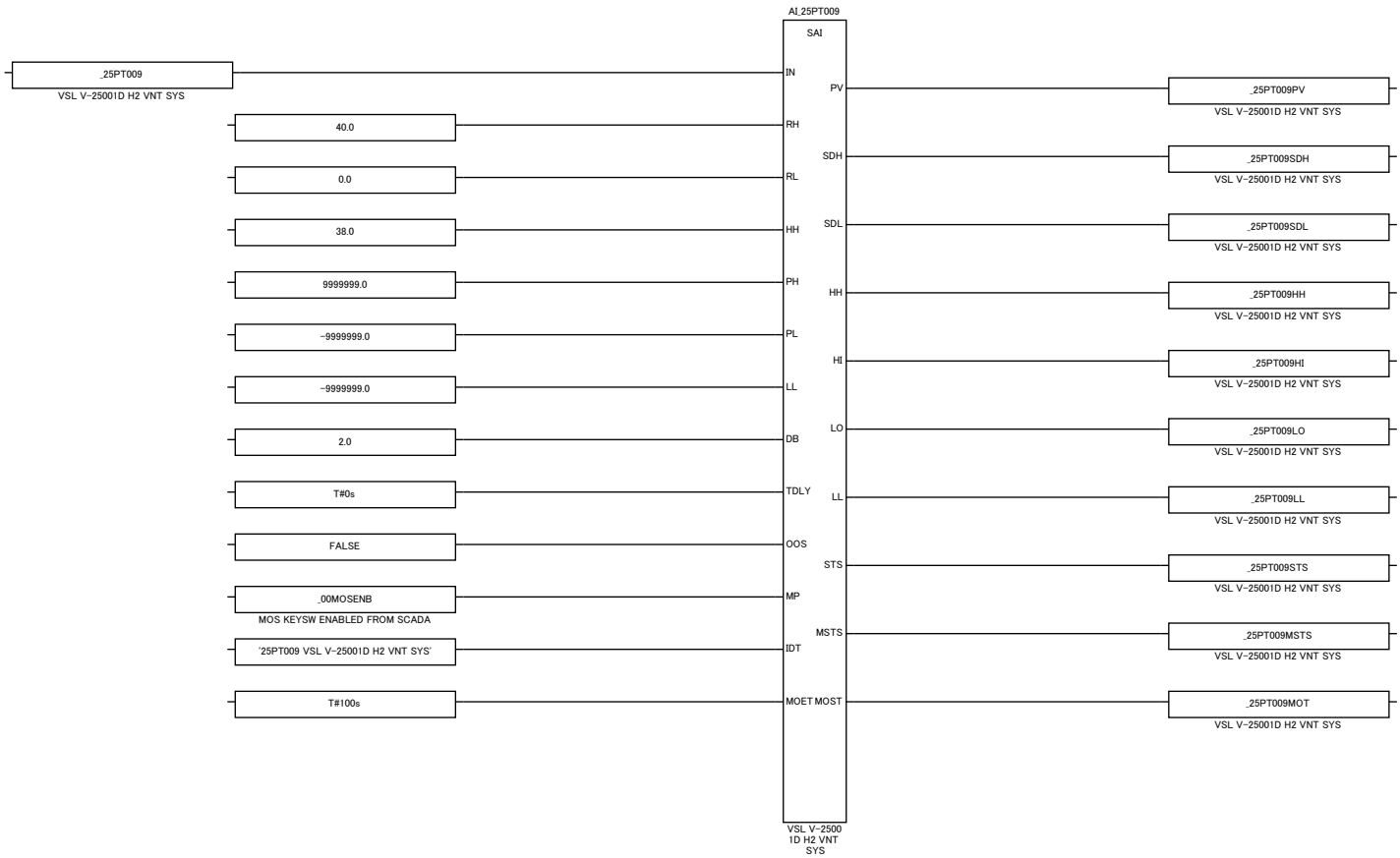
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 6
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

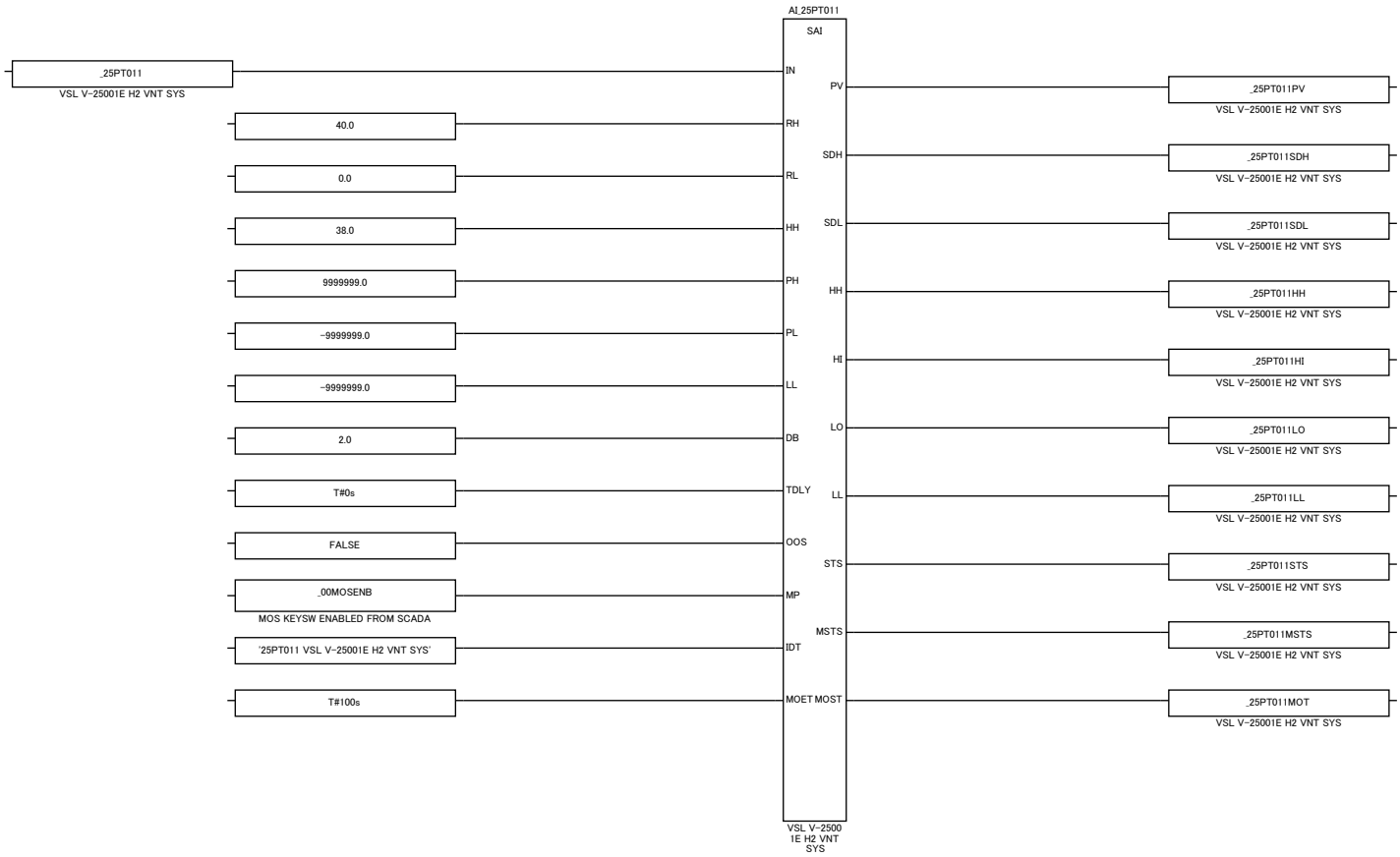
1.4. AI_01(* Analog Input Processing *)



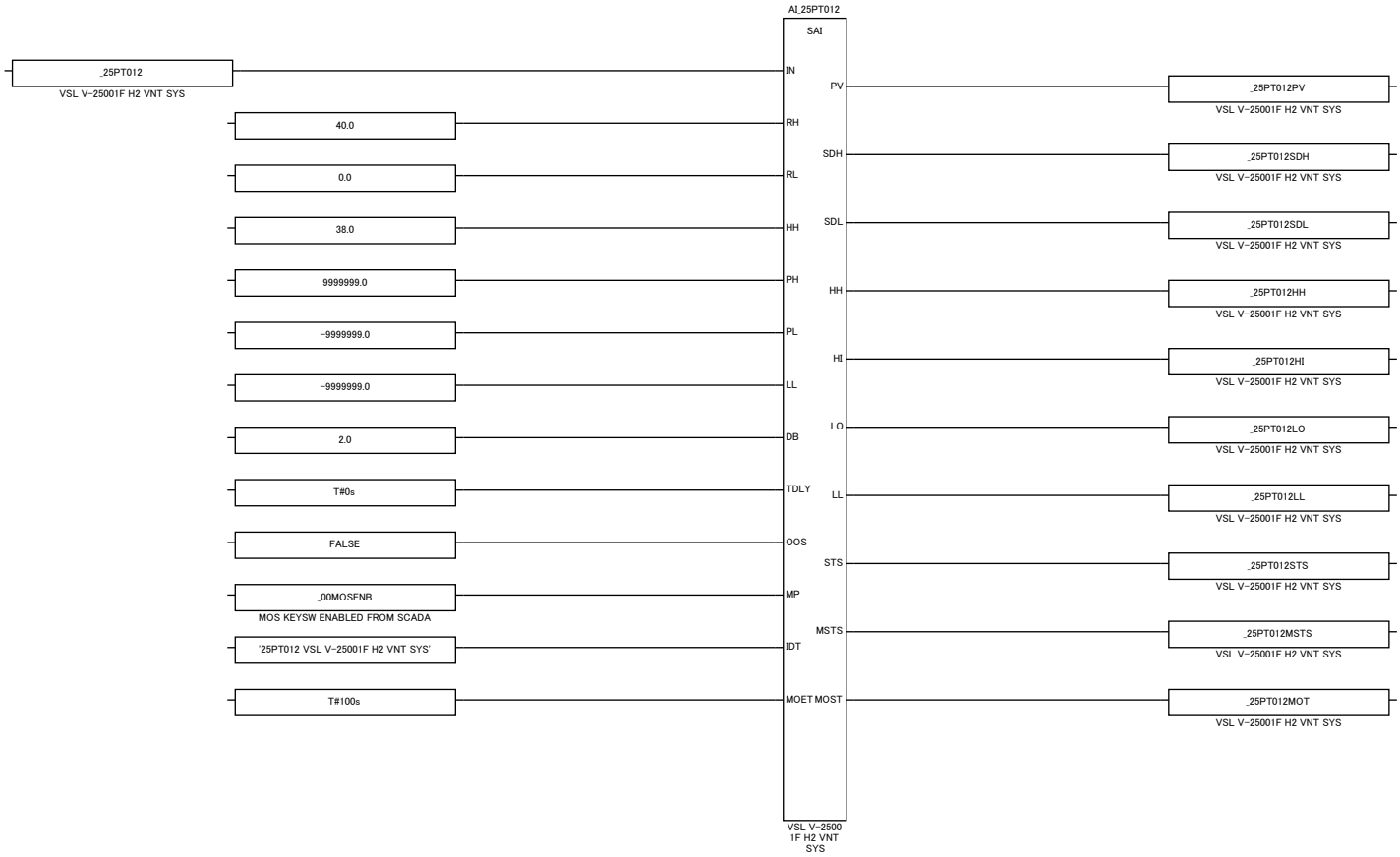


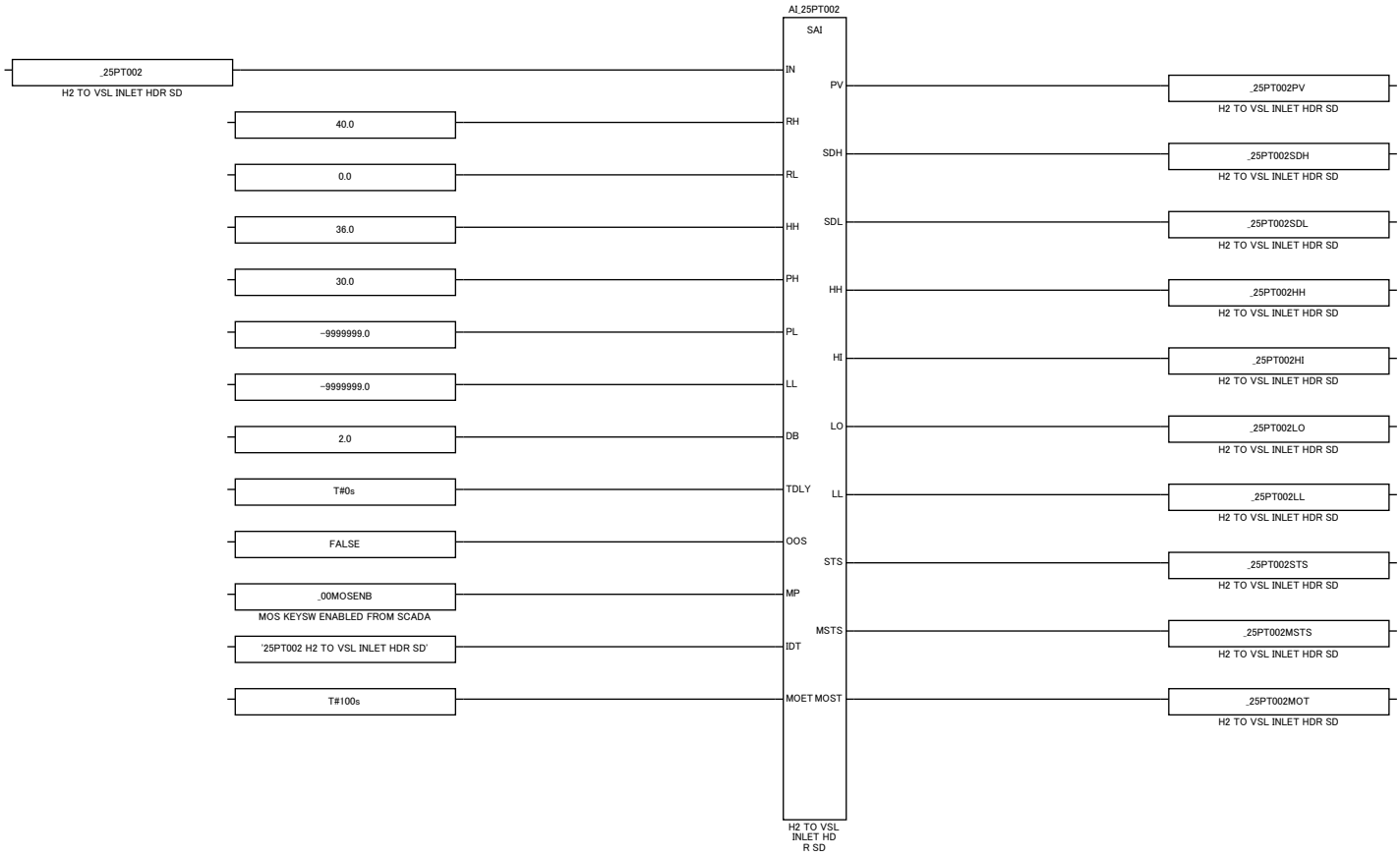

AI_25PT008
SAI
_25PT008
VSL V-25001C H2 VNT SYS
IN
40.0
RH
0.0
RL
38.0
HH
9999999.0
PH
-9999999.0
PL
-9999999.0
LL
2.0
DB
T#0s
TDLY
FALSE
OOS
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
MP
'25PT008 VSL V-25001C H2 VNT SYS'
IDT
T#100s
MOET
MOST
PV
_25PT008PV
VSL V-25001C H2 VNT SYS
SDH
_25PT008SDH
VSL V-25001C H2 VNT SYS
SDL
_25PT008SDL
VSL V-25001C H2 VNT SYS
HH
_25PT008HH
VSL V-25001C H2 VNT SYS
HI
_25PT008HI
VSL V-25001C H2 VNT SYS
LO
_25PT008LO
VSL V-25001C H2 VNT SYS
LL
_25PT008LL
VSL V-25001C H2 VNT SYS
STS
_25PT008STS
VSL V-25001C H2 VNT SYS
MSTS
_25PT008MSTS
VSL V-25001C H2 VNT SYS
_25PT008MOT
VSL V-25001C H2 VNT SYS
VSL V-2500 1C H2 VNT SYS

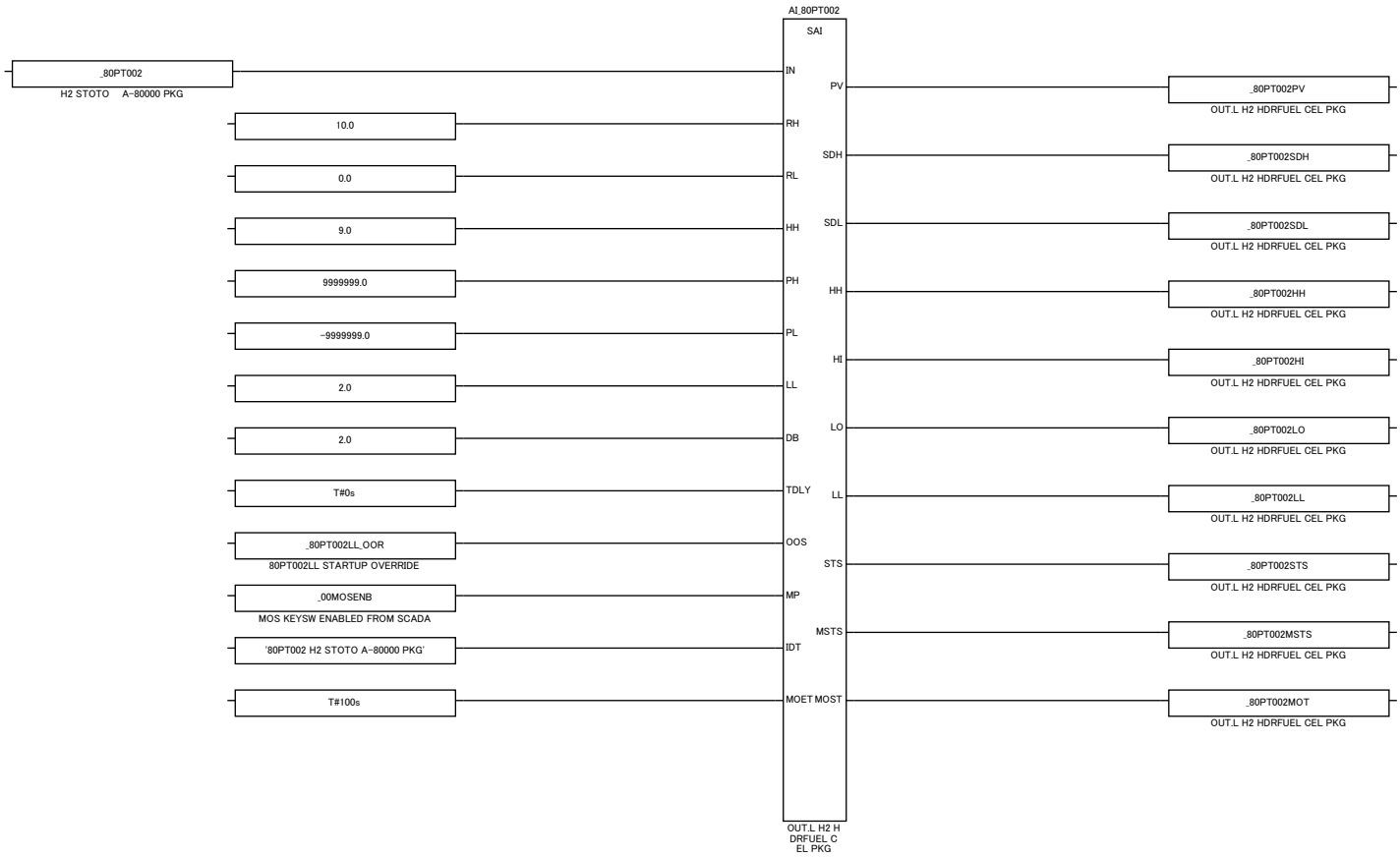

AI_25PT009
SAI
_25PT009
VSL V-25001D H2 VNT SYS
IN
40.0
RH
0.0
RL
38.0
HH
9999999.0
PH
-9999999.0
PL
-9999999.0
LL
2.0
DB
T#0s
TDLY
FALSE
OOS
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
MP
'25PT009 VSL V-25001D H2 VNT SYS'
IDT
T#100s
MOET
MOST
PV
_25PT009PV
VSL V-25001D H2 VNT SYS
SDH
_25PT009SDH
VSL V-25001D H2 VNT SYS
SDL
_25PT009SDL
VSL V-25001D H2 VNT SYS
HH
_25PT009HH
VSL V-25001D H2 VNT SYS
HI
_25PT009HI
VSL V-25001D H2 VNT SYS
LO
_25PT009LO
VSL V-25001D H2 VNT SYS
LL
_25PT009LL
VSL V-25001D H2 VNT SYS
STS
_25PT009STS
VSL V-25001D H2 VNT SYS
MSTS
_25PT009MSTS
VSL V-25001D H2 VNT SYS
_25PT009MOT
VSL V-25001D H2 VNT SYS
VSL V-2500 1D H2 VNT SYS

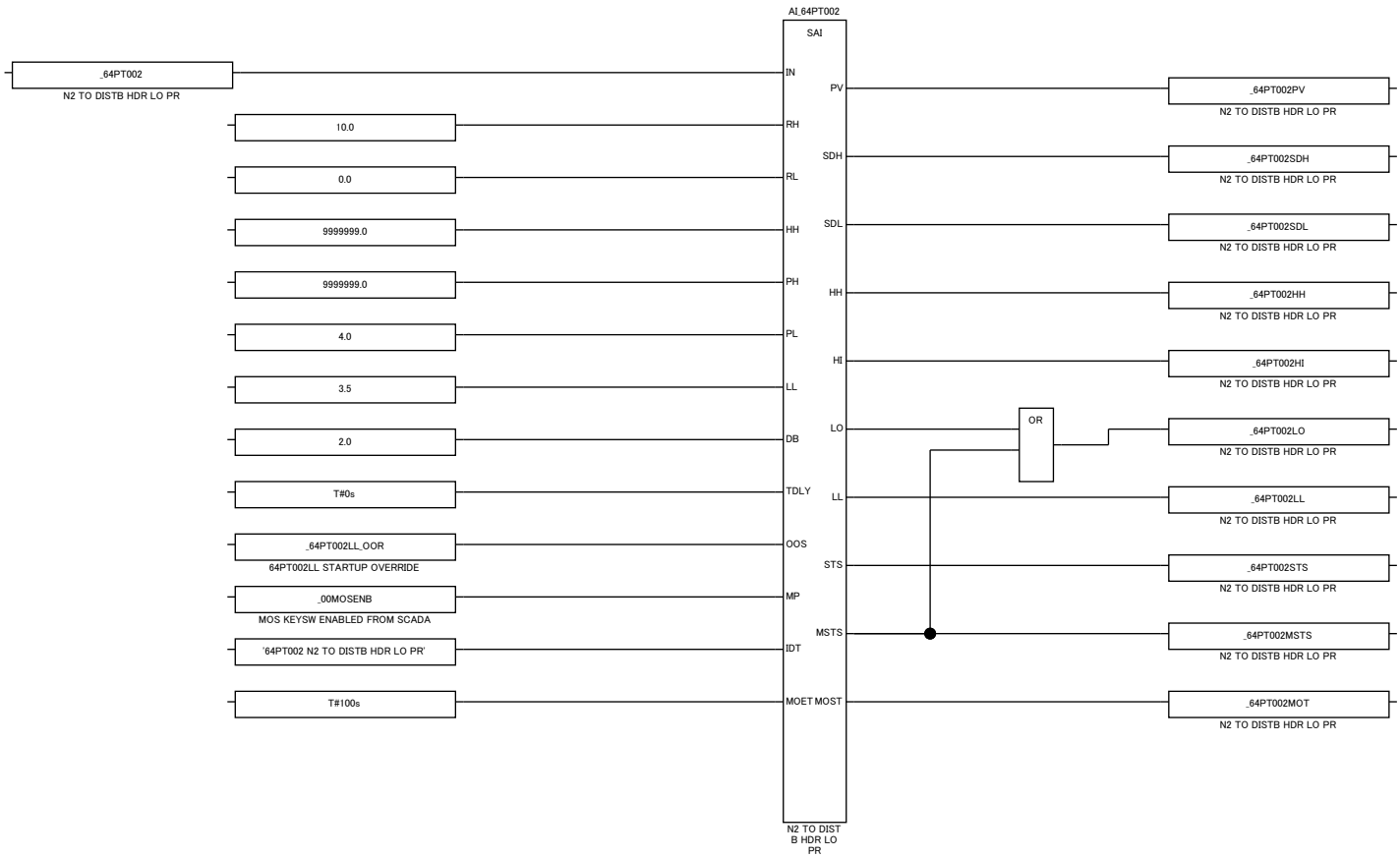

AI_25PT011
SAI
_25PT011
VSL V-25001E H2 VNT SYS
40.0
0.0
38.0
9999999.0
-9999999.0
-9999999.0
2.0
T#0s
FALSE
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
'25PT011 VSL V-25001E H2 VNT SYS'
T#100s
IN
RH
RL
HH
PH
PL
LL
DB
TDLY
OOS
MP
IDT
MOET
PV
SDH
SDL
HH
HI
LO
LL
STS
MSTS
MOST
_25PT011PV
VSL V-25001E H2 VNT SYS
_25PT011SDH
VSL V-25001E H2 VNT SYS
_25PT011SDL
VSL V-25001E H2 VNT SYS
_25PT011HH
VSL V-25001E H2 VNT SYS
_25PT011HI
VSL V-25001E H2 VNT SYS
_25PT011LO
VSL V-25001E H2 VNT SYS
_25PT011LL
VSL V-25001E H2 VNT SYS
_25PT011STS
VSL V-25001E H2 VNT SYS
_25PT011MSTS
VSL V-25001E H2 VNT SYS
_25PT011MOT
VSL V-25001E H2 VNT SYS
VSL V-2500 1E H2 VNT SYS

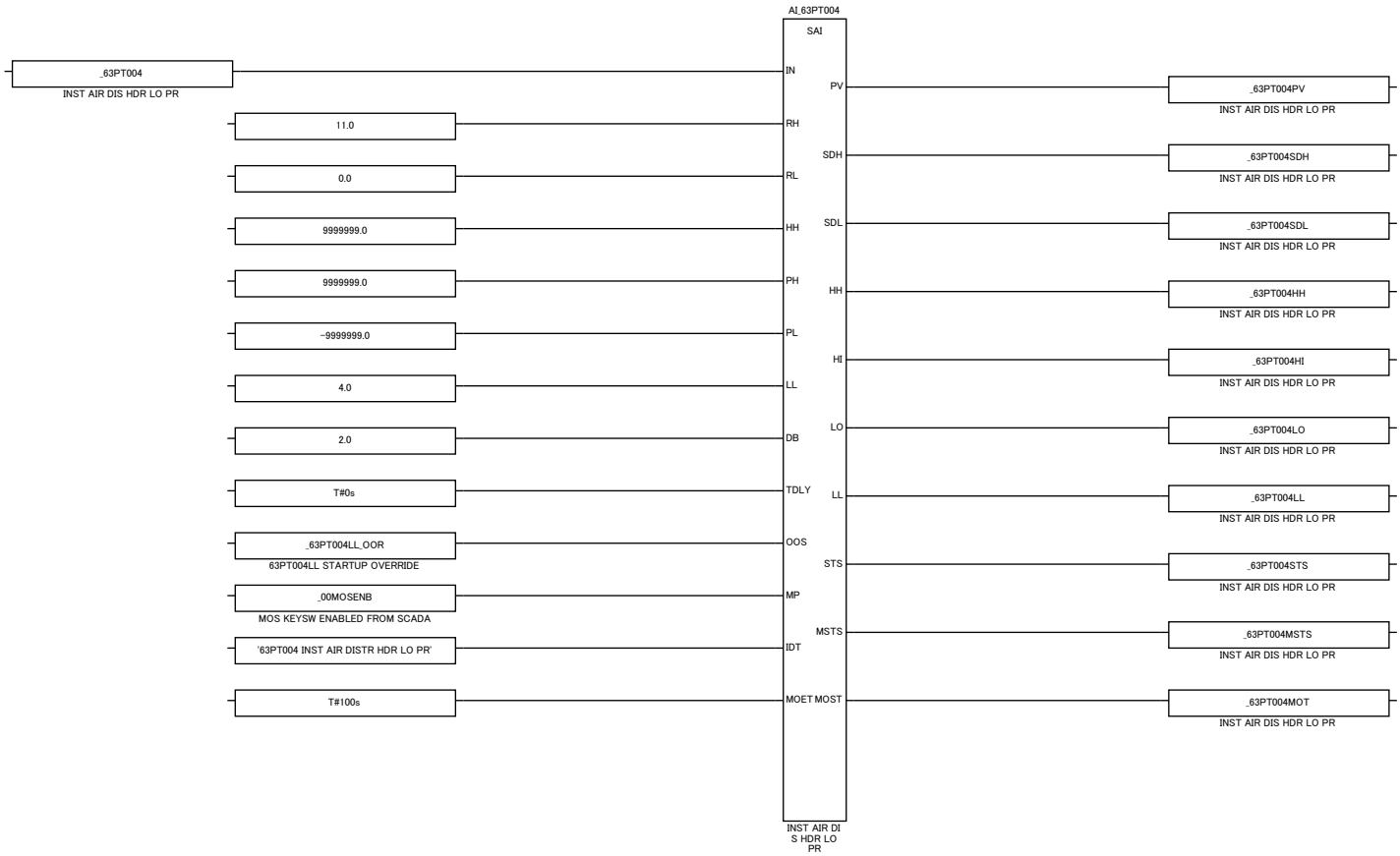
1.5. AI_02(* Analog Input Processing *)

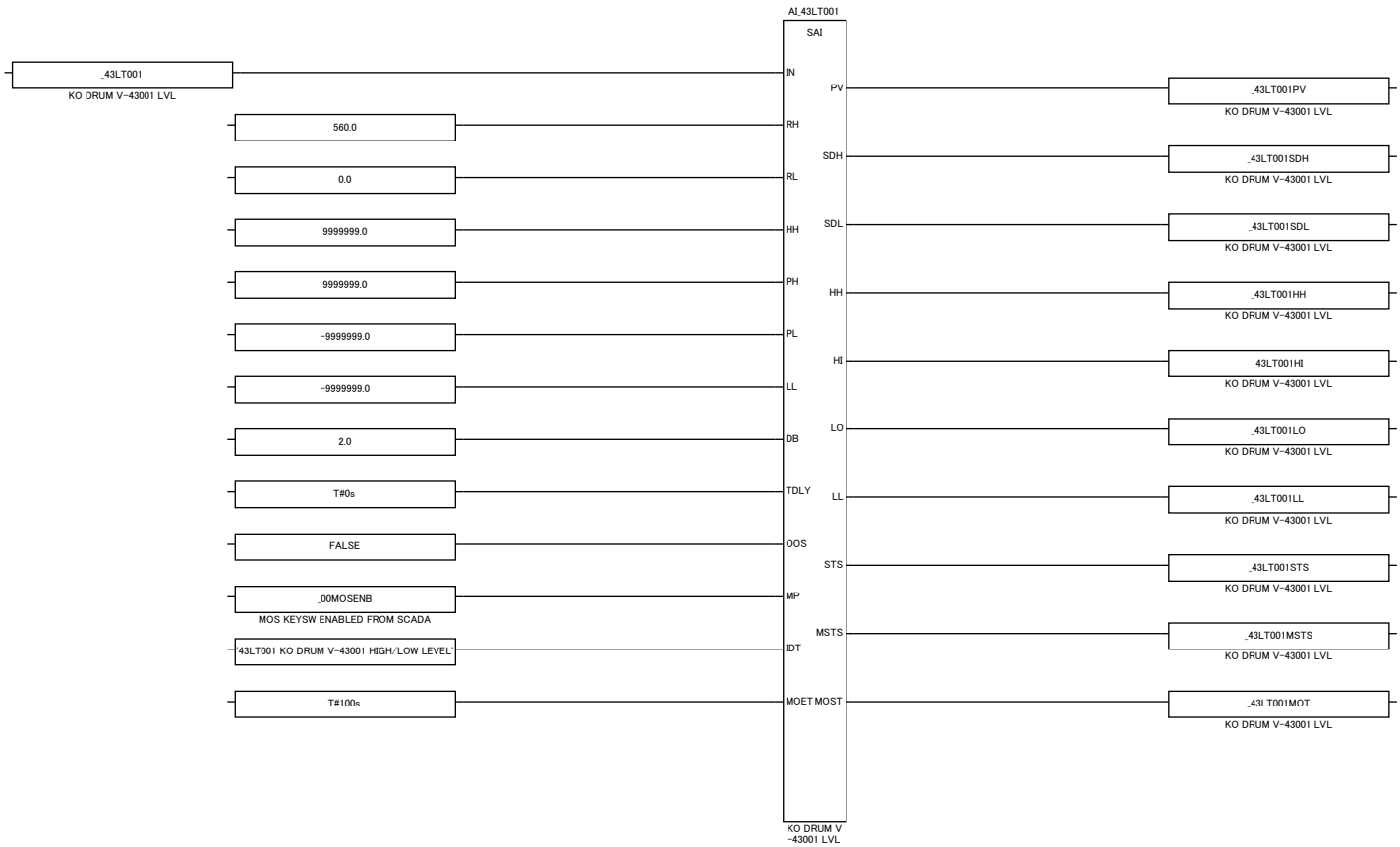




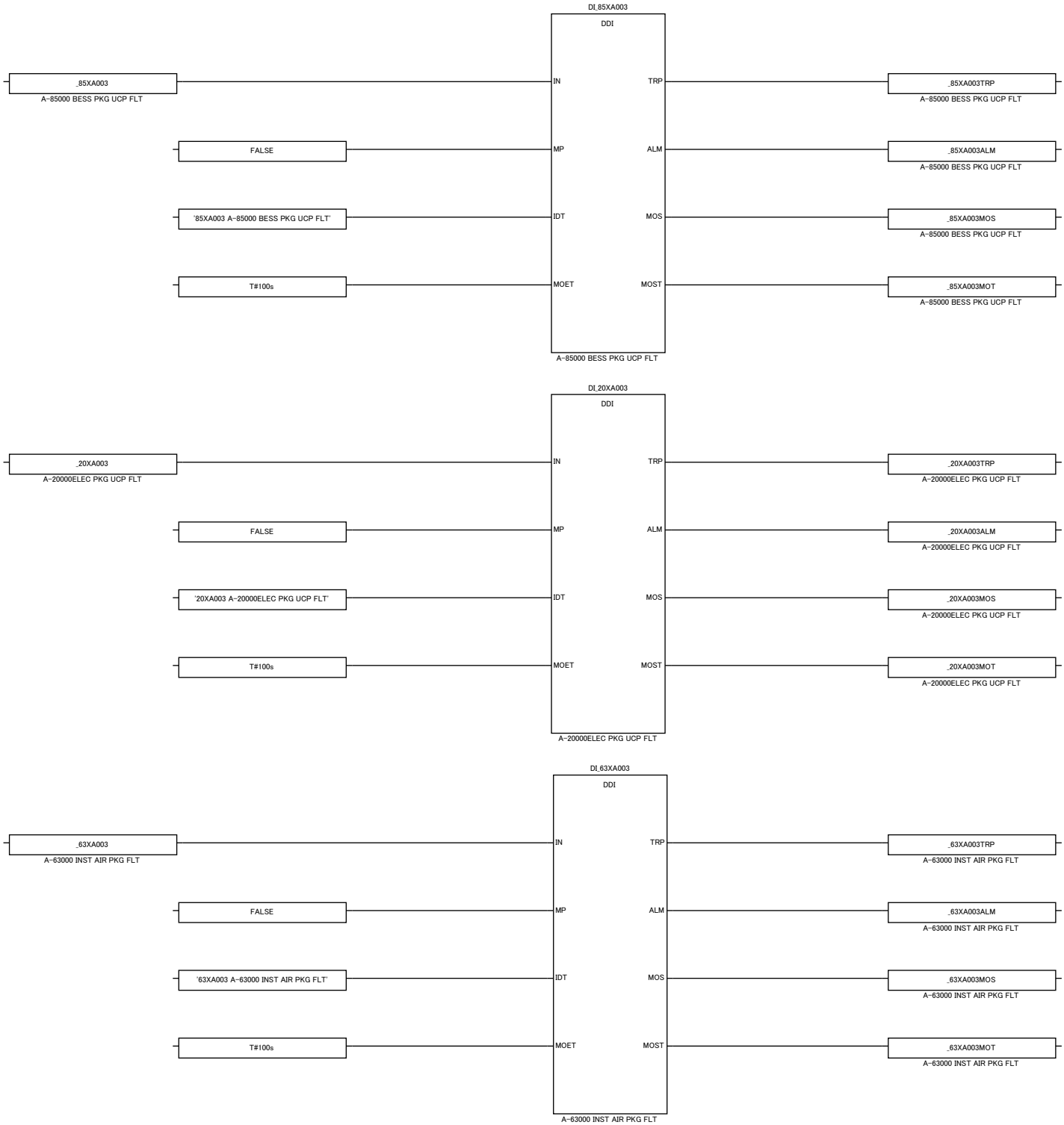

AI_80PT002
SAI
_80PT002
H2 STOTO A-80000 PKG
10.0
0.0
9.0
9999999.0
-9999999.0
2.0
2.0
T#0s
_80PT002LL_OOR
80PT002LL STARTUP OVERRIDE
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
'80PT002 H2 STOTO A-80000 PKG'
T#100s
IN
RH
RL
HH
PH
PL
LL
DB
TDLY
OOS
MP
IDT
MOET
PV
SDH
SDL
HH
HI
LO
LL
STS
MSTS
MOST
_80PT002PV
OUT.L H2 HDRFUEL CEL PKG
_80PT002SDH
OUT.L H2 HDRFUEL CEL PKG
_80PT002SDL
OUT.L H2 HDRFUEL CEL PKG
_80PT002HH
OUT.L H2 HDRFUEL CEL PKG
_80PT002HI
OUT.L H2 HDRFUEL CEL PKG
_80PT002LO
OUT.L H2 HDRFUEL CEL PKG
_80PT002LL
OUT.L H2 HDRFUEL CEL PKG
_80PT002STS
OUT.L H2 HDRFUEL CEL PKG
_80PT002MSTS
OUT.L H2 HDRFUEL CEL PKG
_80PT002MOT
OUT.L H2 HDRFUEL CEL PKG
OUT.L H2 H DRFUEL C EL PKG

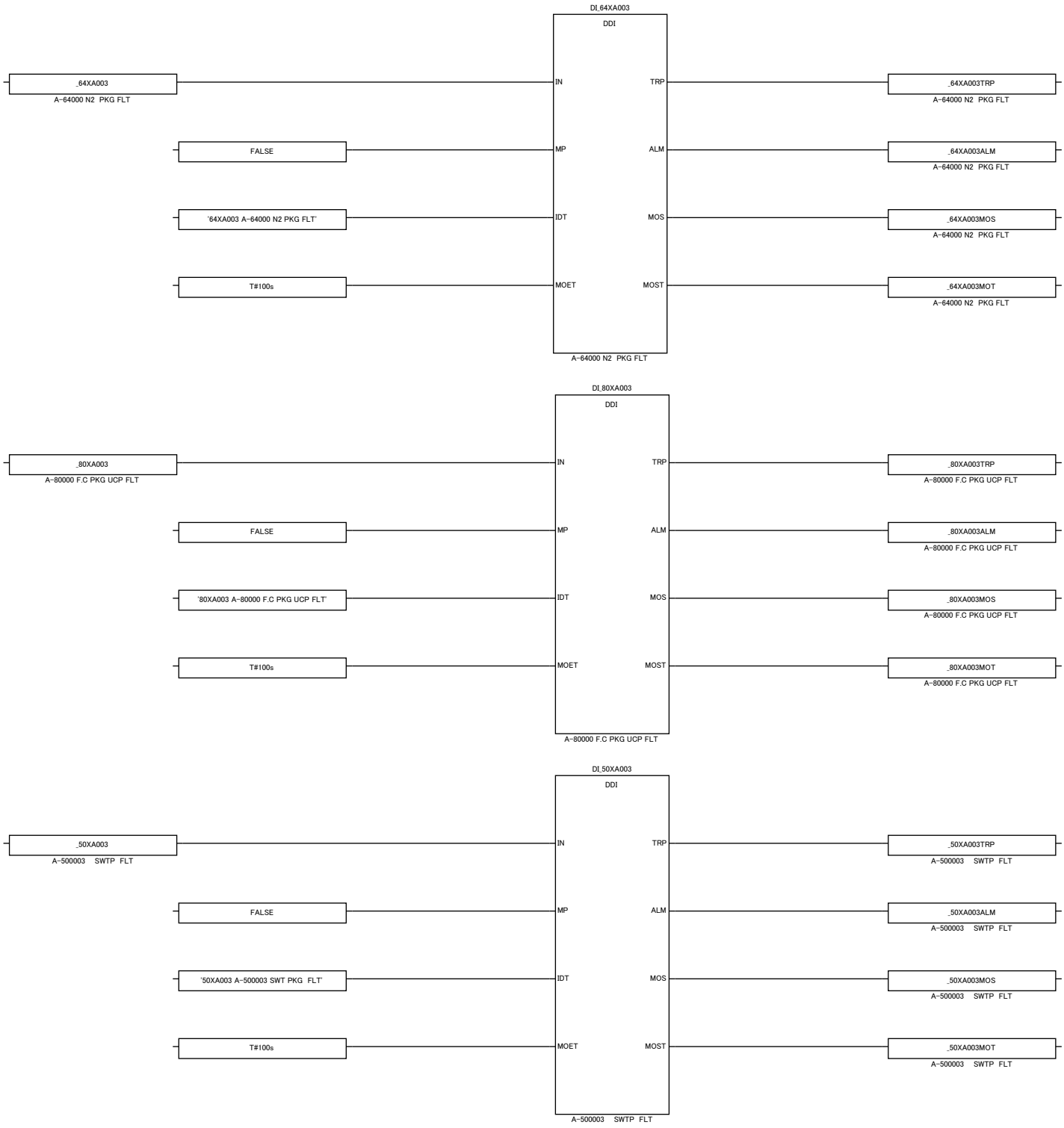

AI_64PT002
SAI
_64PT002
N2 TO DISTB HDR LO PR
10.0
0.0
9999999.0
9999999.0
4.0
3.5
2.0
T#0s
_64PT002LL_OOR
64PT002LL STARTUP OVERRIDE
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
'64PT002 N2 TO DISTB HDR LO PR'
T#100s
IN
RH
RL
HH
PH
PL
LL
DB
TDLY
OOS
MP
IDT
MOET
PV
SDH
SDL
HH
HI
LO
LL
STS
MSTS
MOST
OR
_64PT002PV
N2 TO DISTB HDR LO PR
_64PT002SDH
N2 TO DISTB HDR LO PR
_64PT002SDL
N2 TO DISTB HDR LO PR
_64PT002HH
N2 TO DISTB HDR LO PR
_64PT002HI
N2 TO DISTB HDR LO PR
_64PT002LO
N2 TO DISTB HDR LO PR
_64PT002LL
N2 TO DISTB HDR LO PR
_64PT002STS
N2 TO DISTB HDR LO PR
_64PT002MSTS
N2 TO DISTB HDR LO PR
_64PT002MOT
N2 TO DISTB HDR LO PR
N2 TO DIST B HDR LO PR


AI_63PT004
SAI
_63PT004
INST AIR DIS HDR LO PR
11.0
0.0
9999999.0
9999999.0
-9999999.0
4.0
2.0
T#0s
_63PT004LL_OOR
63PT004LL STARTUP OVERRIDE
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
'63PT004 INST AIR DISTR HDR LO PR'
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
_63PT004PV
INST AIR DIS HDR LO PR
_63PT004SDH
INST AIR DIS HDR LO PR
_63PT004SDL
INST AIR DIS HDR LO PR
_63PT004HH
INST AIR DIS HDR LO PR
_63PT004HI
INST AIR DIS HDR LO PR
_63PT004LO
INST AIR DIS HDR LO PR
_63PT004LL
INST AIR DIS HDR LO PR
_63PT004STS
INST AIR DIS HDR LO PR
_63PT004MSTS
INST AIR DIS HDR LO PR
_63PT004MOT
INST AIR DIS HDR LO PR
INST AIR DI
S HDR LO
PR

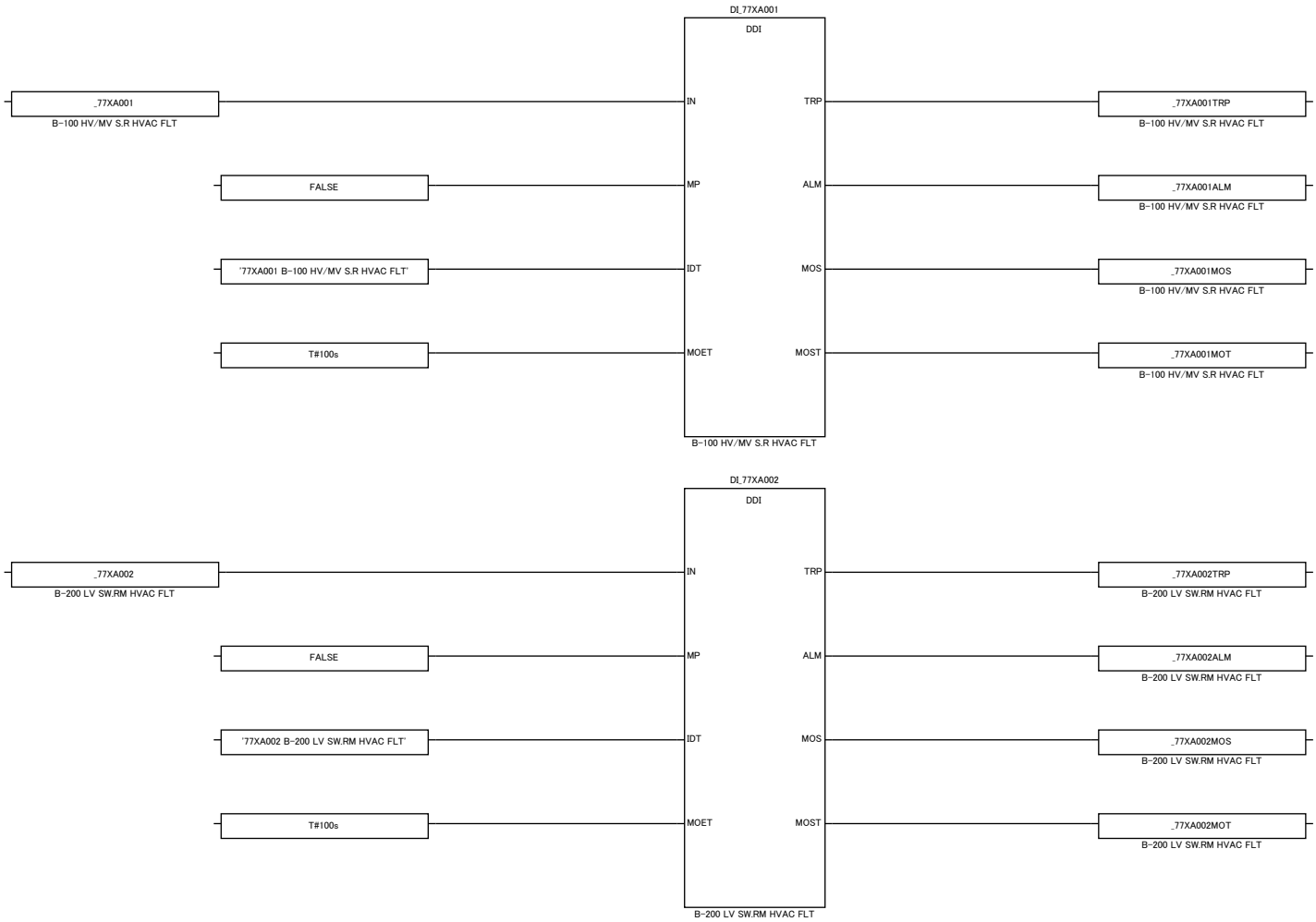

AI_43LT001
SAI
_43LT001
KO DRUM V-43001 LVL
560.0
0.0
9999999.0
9999999.0
-9999999.0
-9999999.0
2.0
T#0s
FALSE
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
43LT001 KO DRUM V-43001 HIGH/LOW LEVEL'
T#100s
IN
RH
RL
HH
PH
PL
LL
DB
TDLY
OOS
MP
IDT
MOET
PV
SDH
SDL
HH
HI
LO
LL
STS
MSTS
MOST
_43LT001PV
KO DRUM V-43001 LVL
_43LT001SDH
KO DRUM V-43001 LVL
_43LT001SDL
KO DRUM V-43001 LVL
_43LT001HH
KO DRUM V-43001 LVL
_43LT001HI
KO DRUM V-43001 LVL
_43LT001LO
KO DRUM V-43001 LVL
_43LT001LL
KO DRUM V-43001 LVL
_43LT001STS
KO DRUM V-43001 LVL
_43LT001MSTS
KO DRUM V-43001 LVL
_43LT001MOT
KO DRUM V-43001 LVL
KO DRUM V
-43001 LVL

1.6. DI_01(* Digital Input Processing – DDI *)



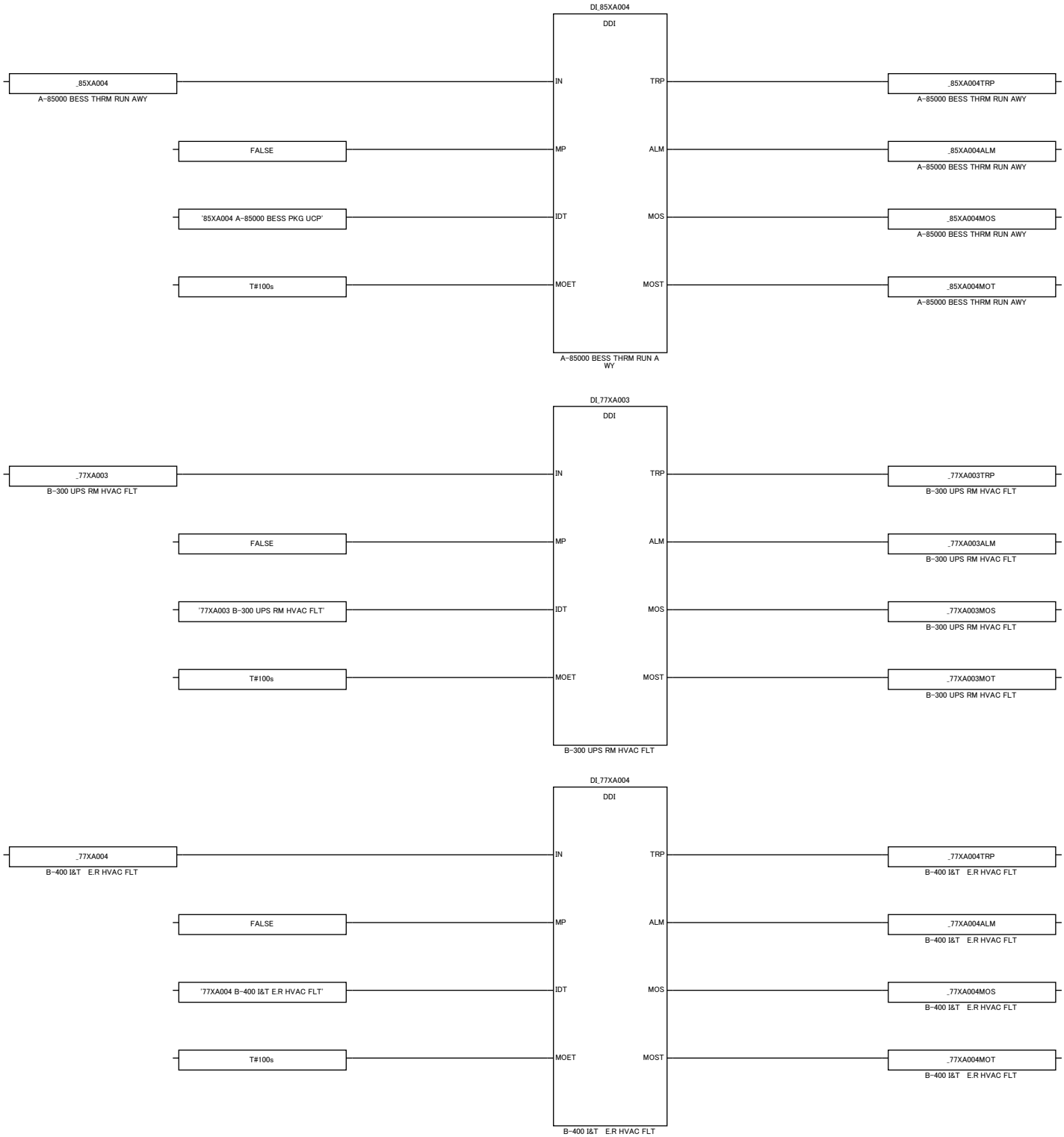


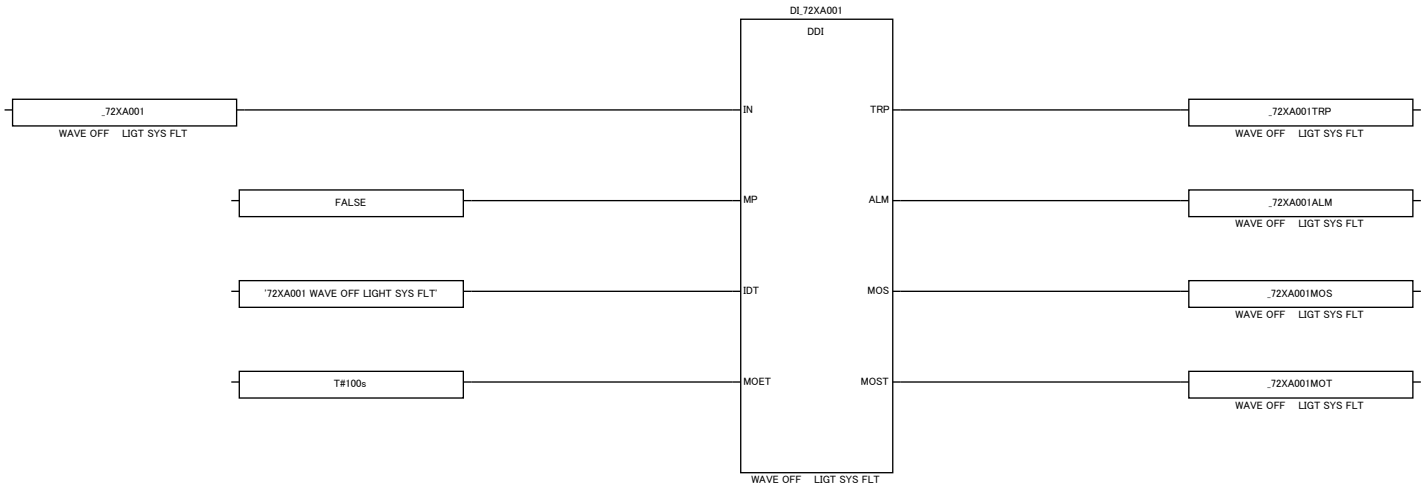
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 14
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 15
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

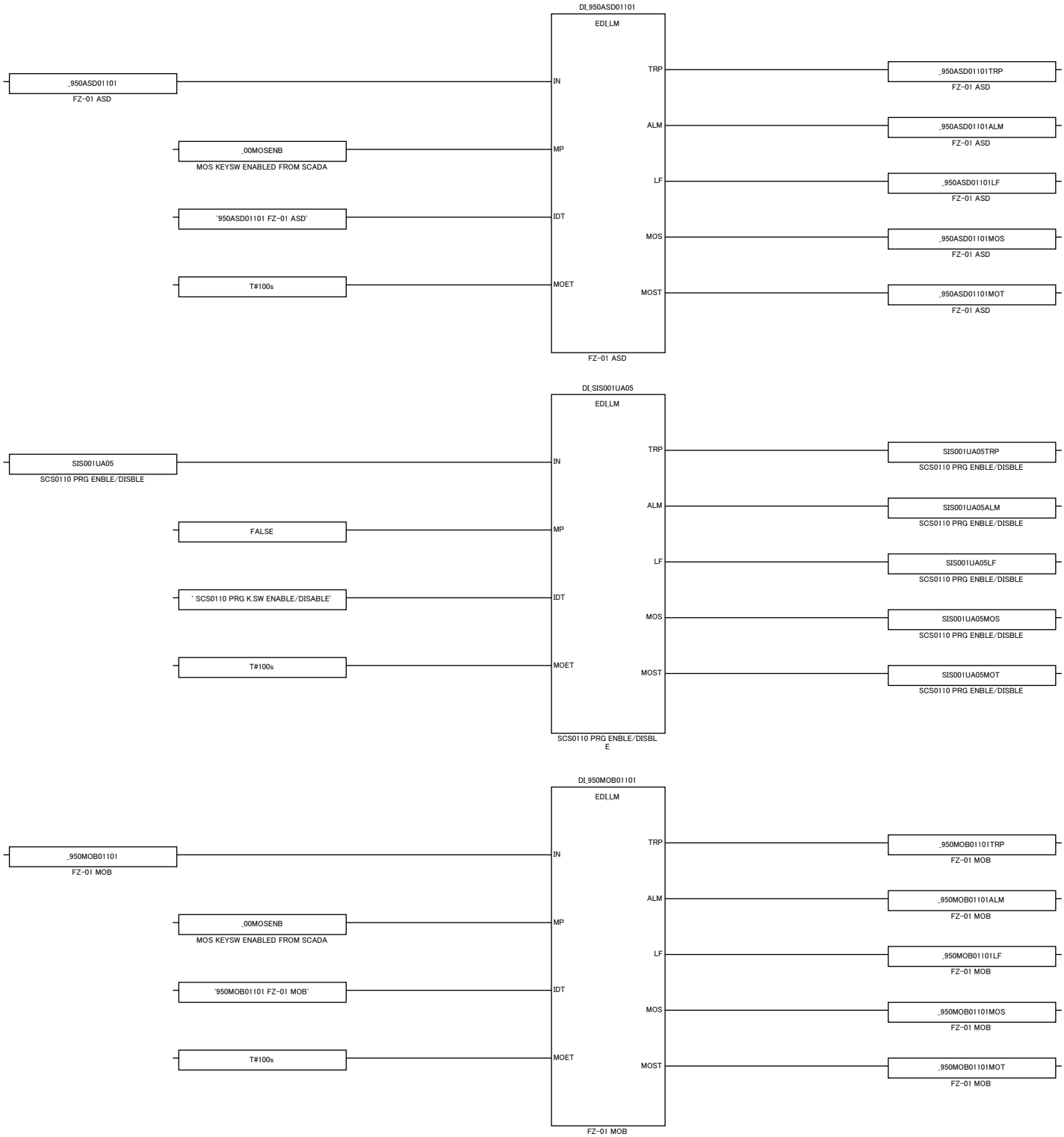
1.7. DI_02(* Digital Input Processing – DDI *)

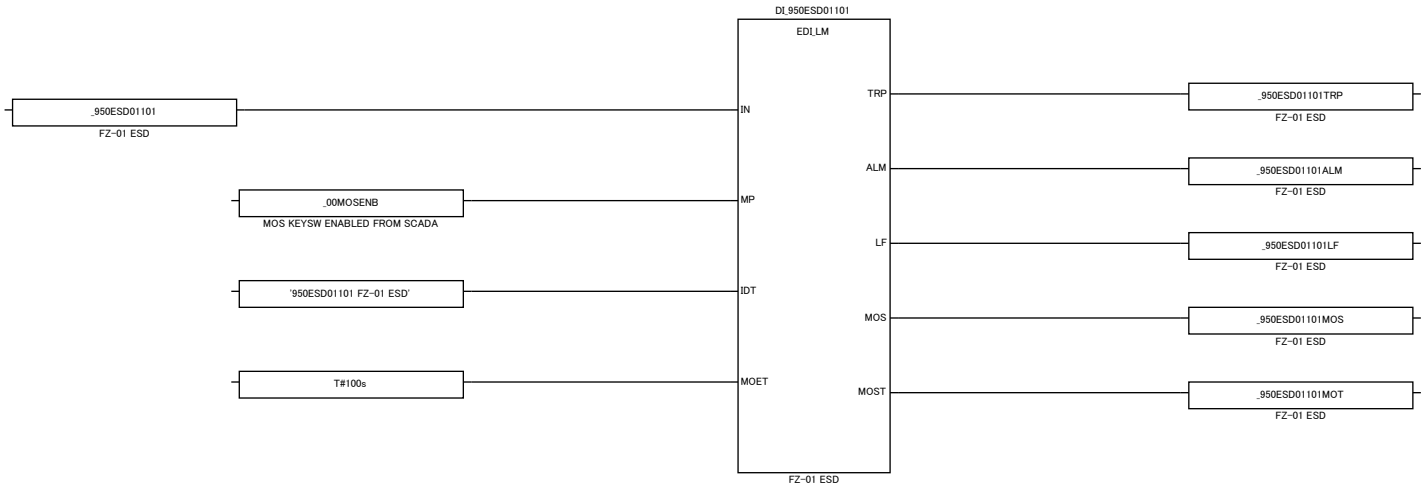


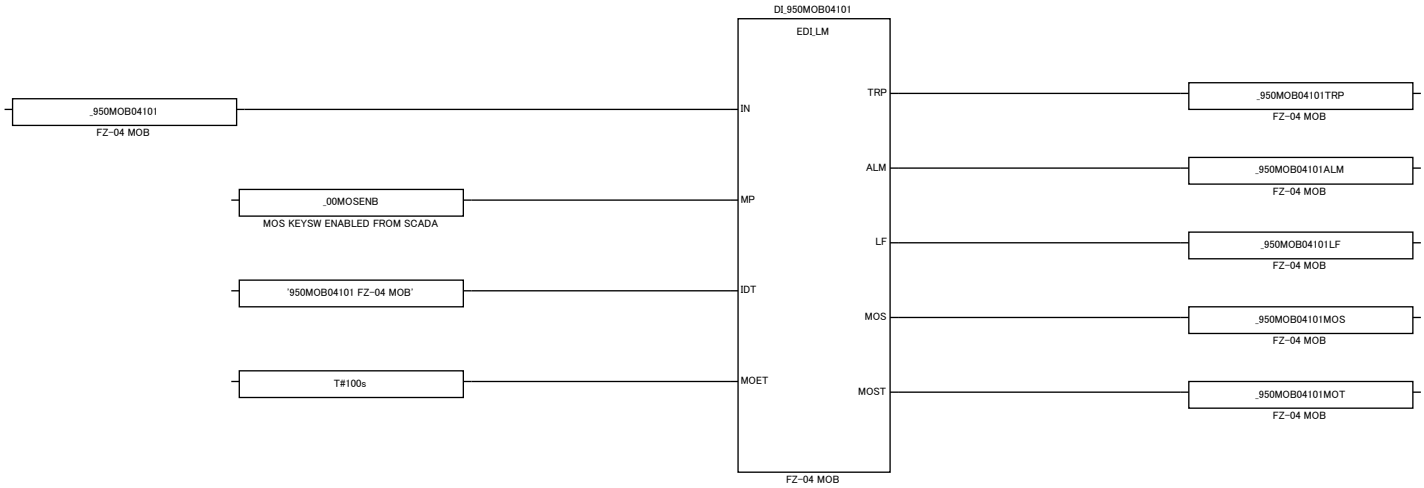


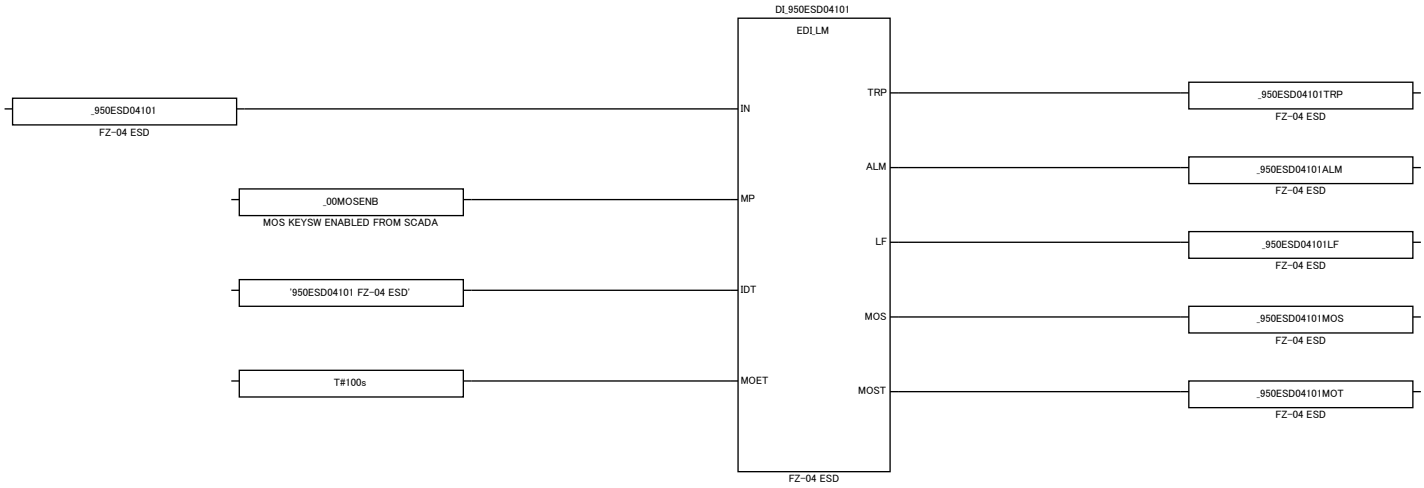
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 17
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

1.8. DI_03(* Digital Input Processing – EDI *)

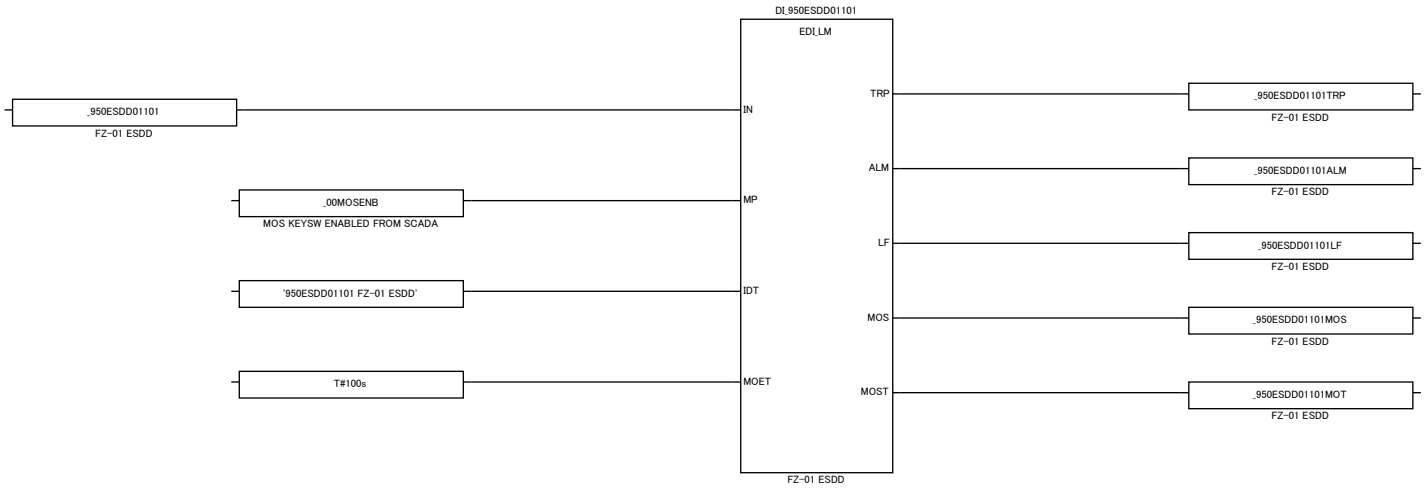


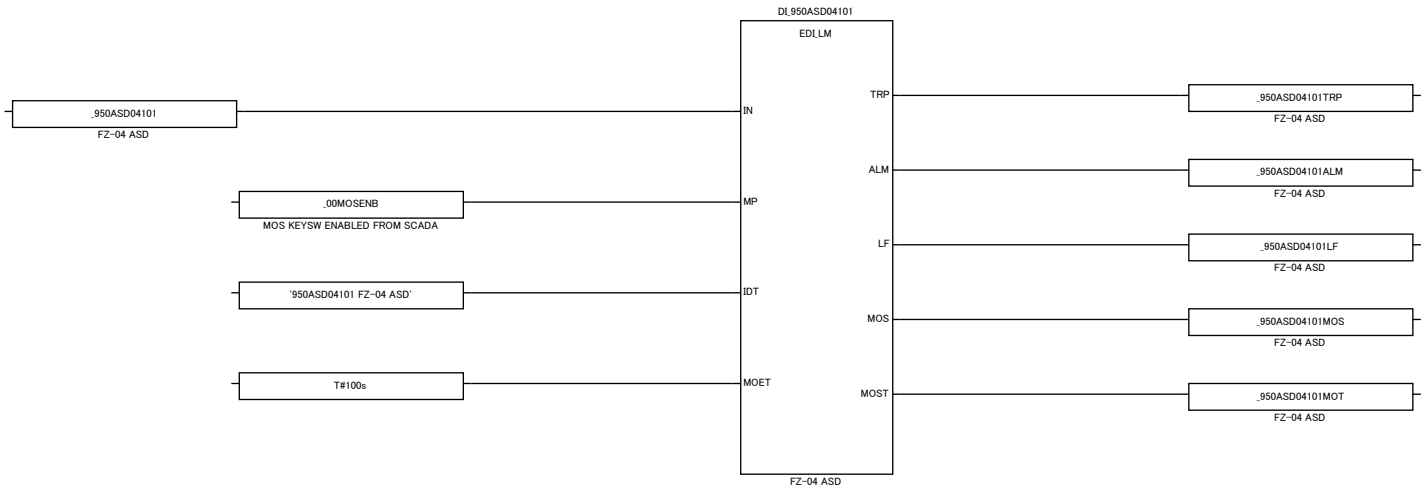






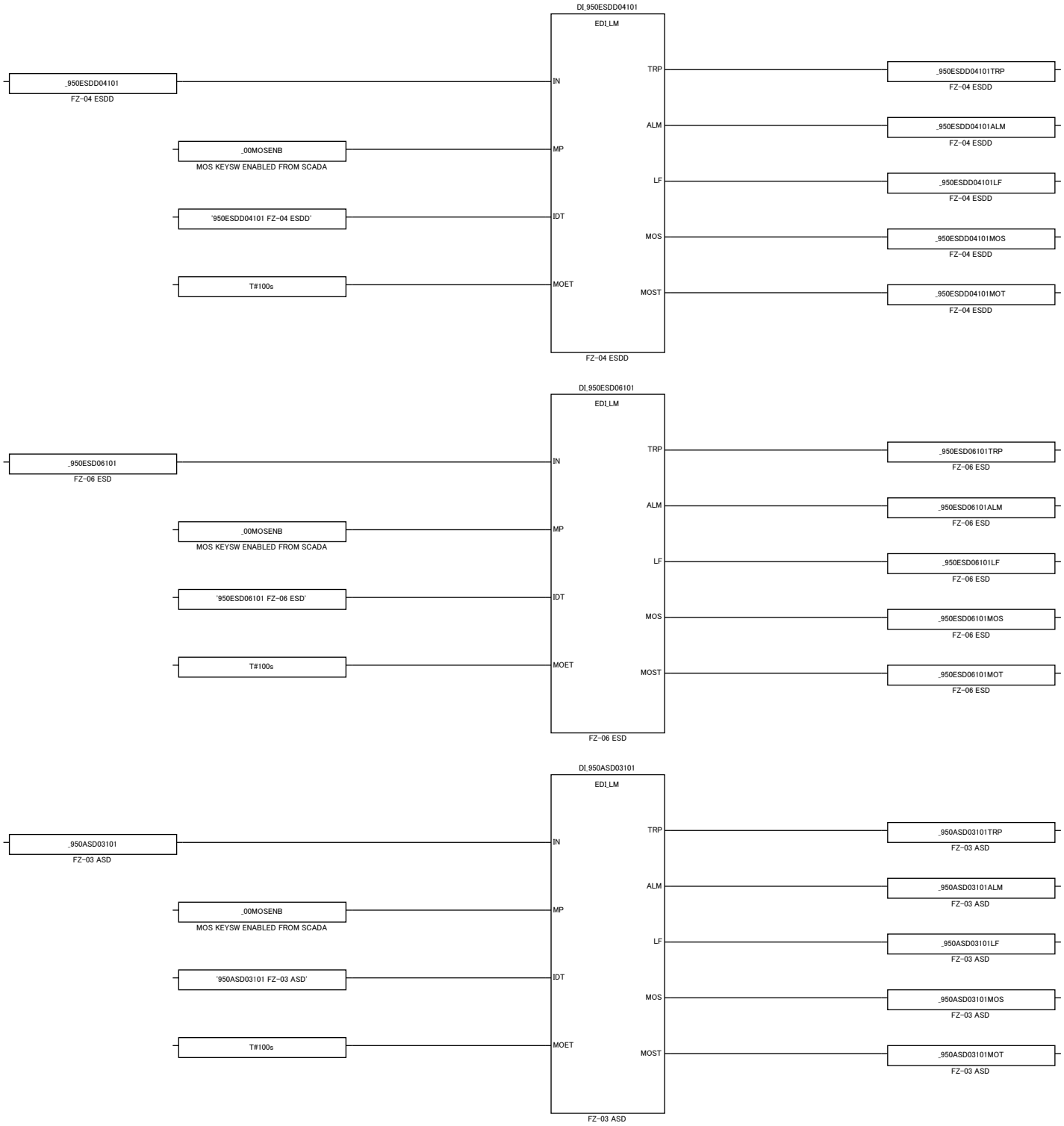
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 19
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

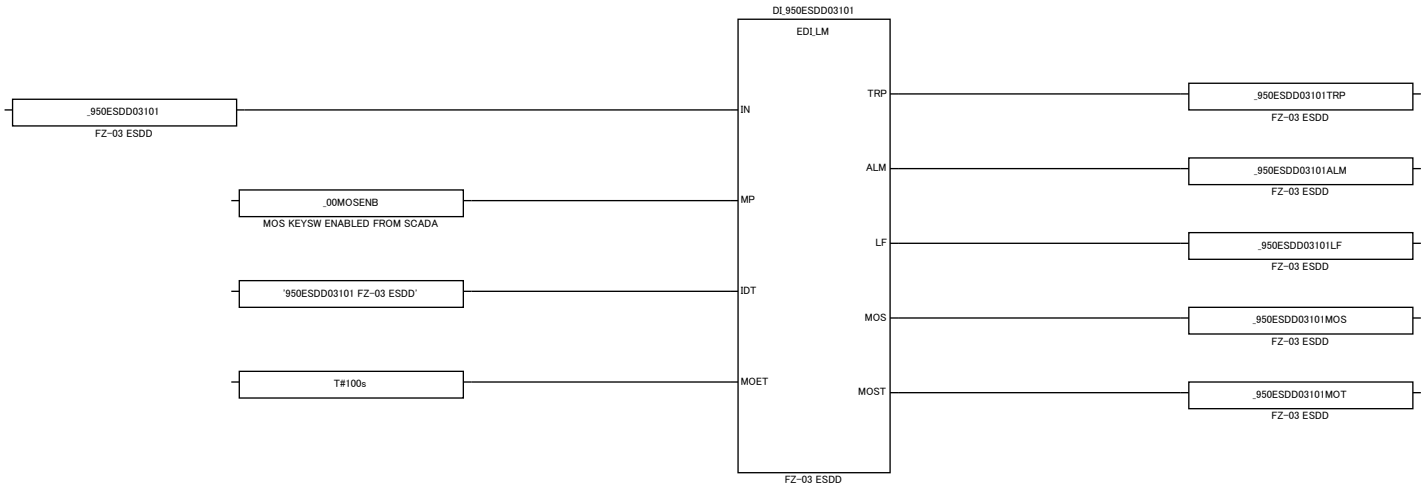


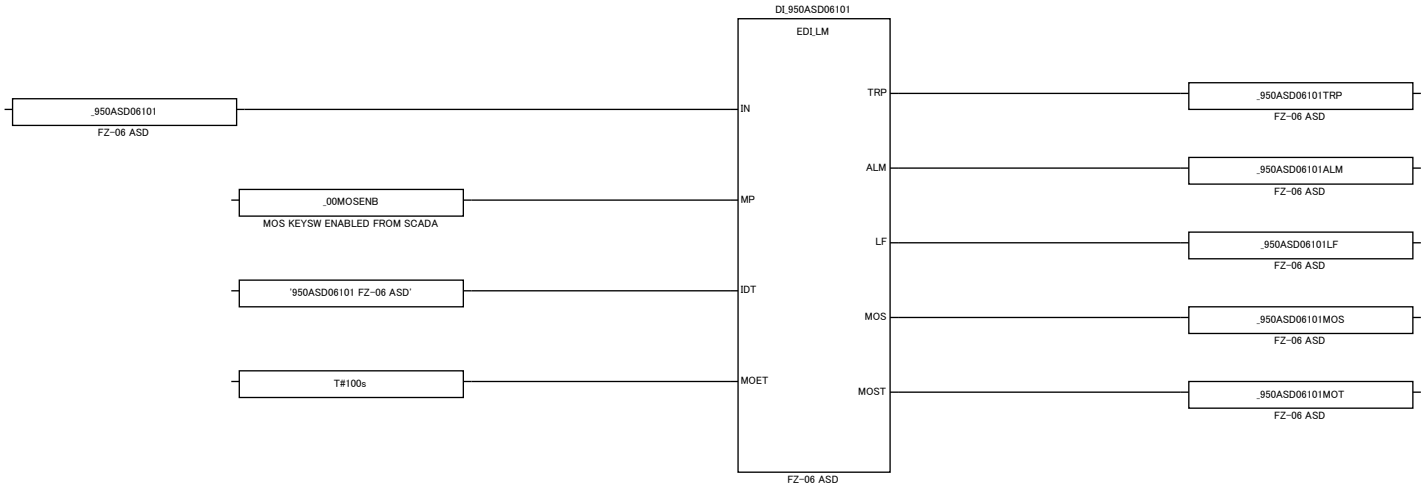


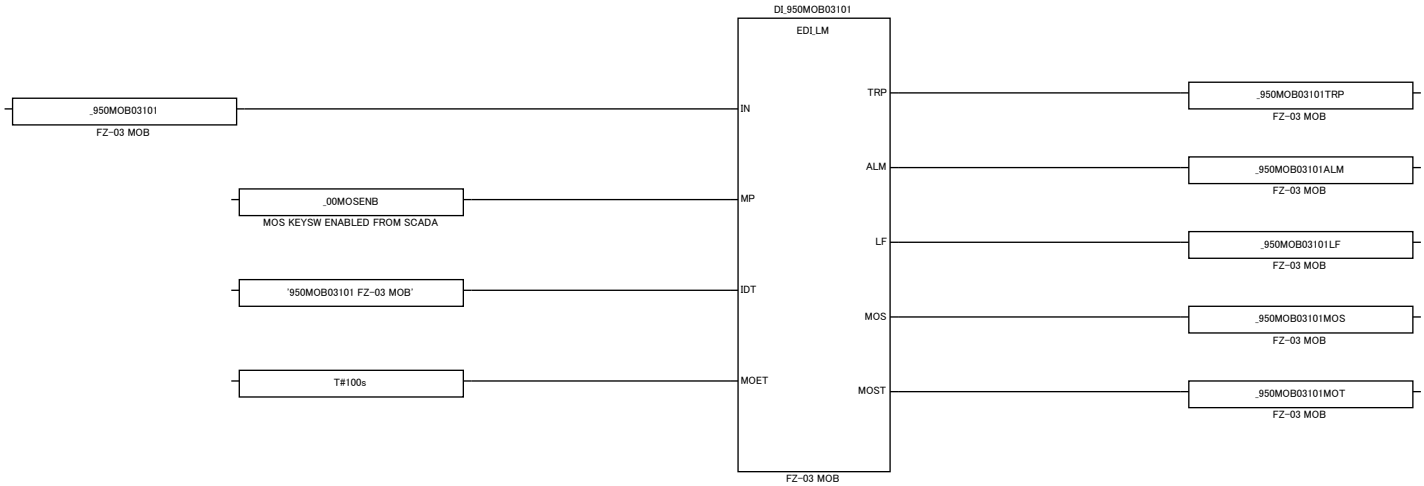
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 20
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS--SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

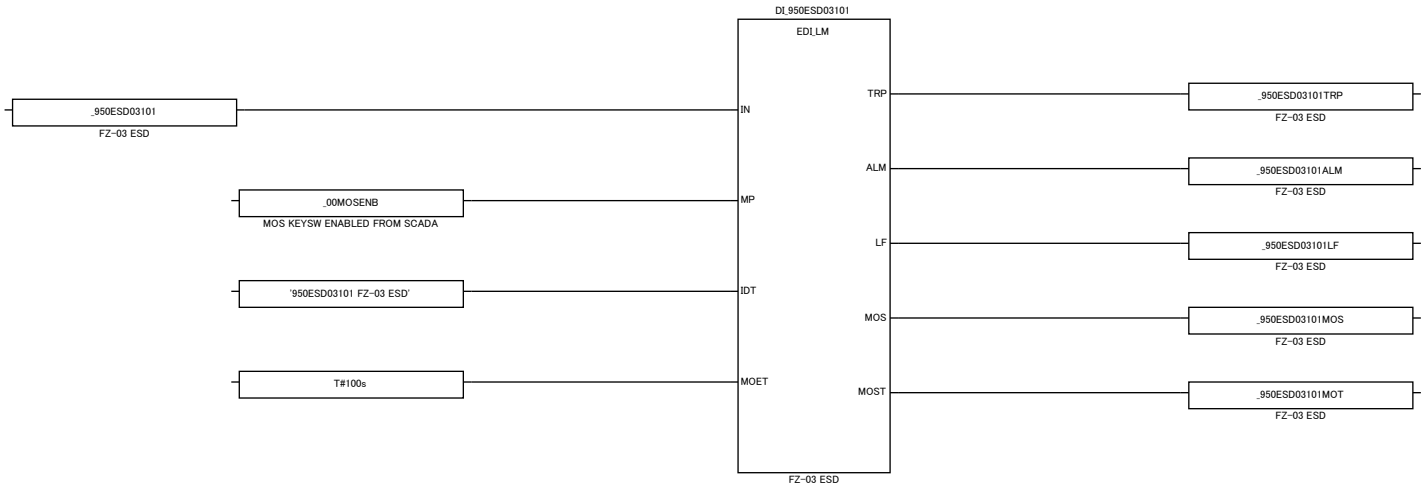
1.9. DI_04(* Digital Input Processing – EDI *)

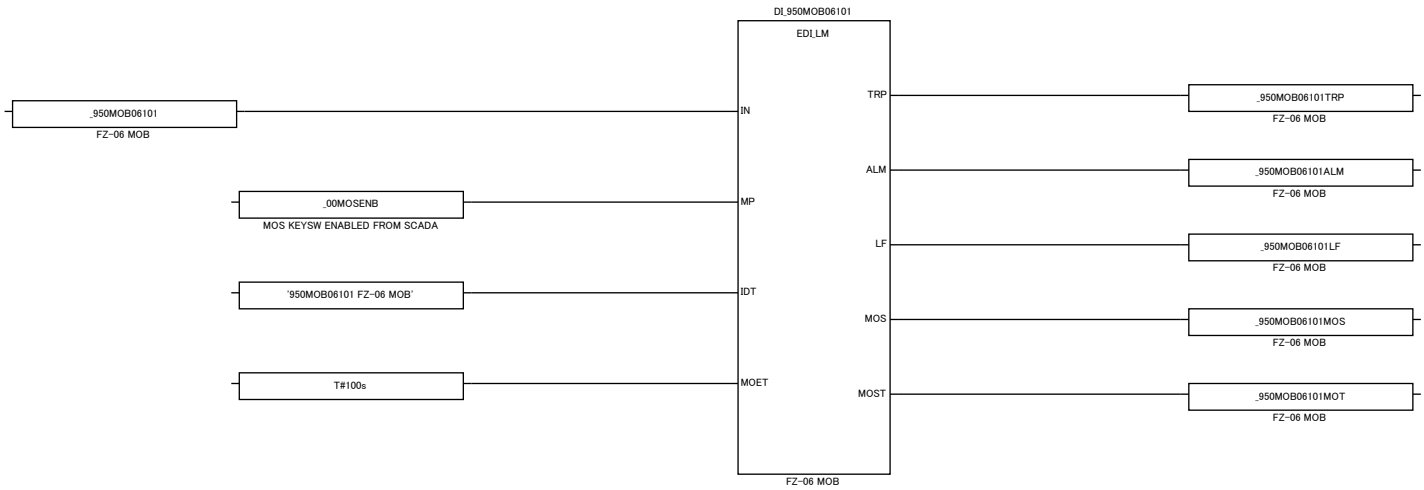



DI_950ESDD03101
EDI_LM
_950ESDD03101
FZ-03 ESDD
IN
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
MP
'950ESDD03101 FZ-03 ESDD'
IDT
T#100s
MOET
FZ-03 ESDD
TRP
_950ESDD03101TRP
FZ-03 ESDD
ALM
_950ESDD03101ALM
FZ-03 ESDD
LF
_950ESDD03101LF
FZ-03 ESDD
MOS
_950ESDD03101MOS
FZ-03 ESDD
MOST
_950ESDD03101MOT
FZ-03 ESDD

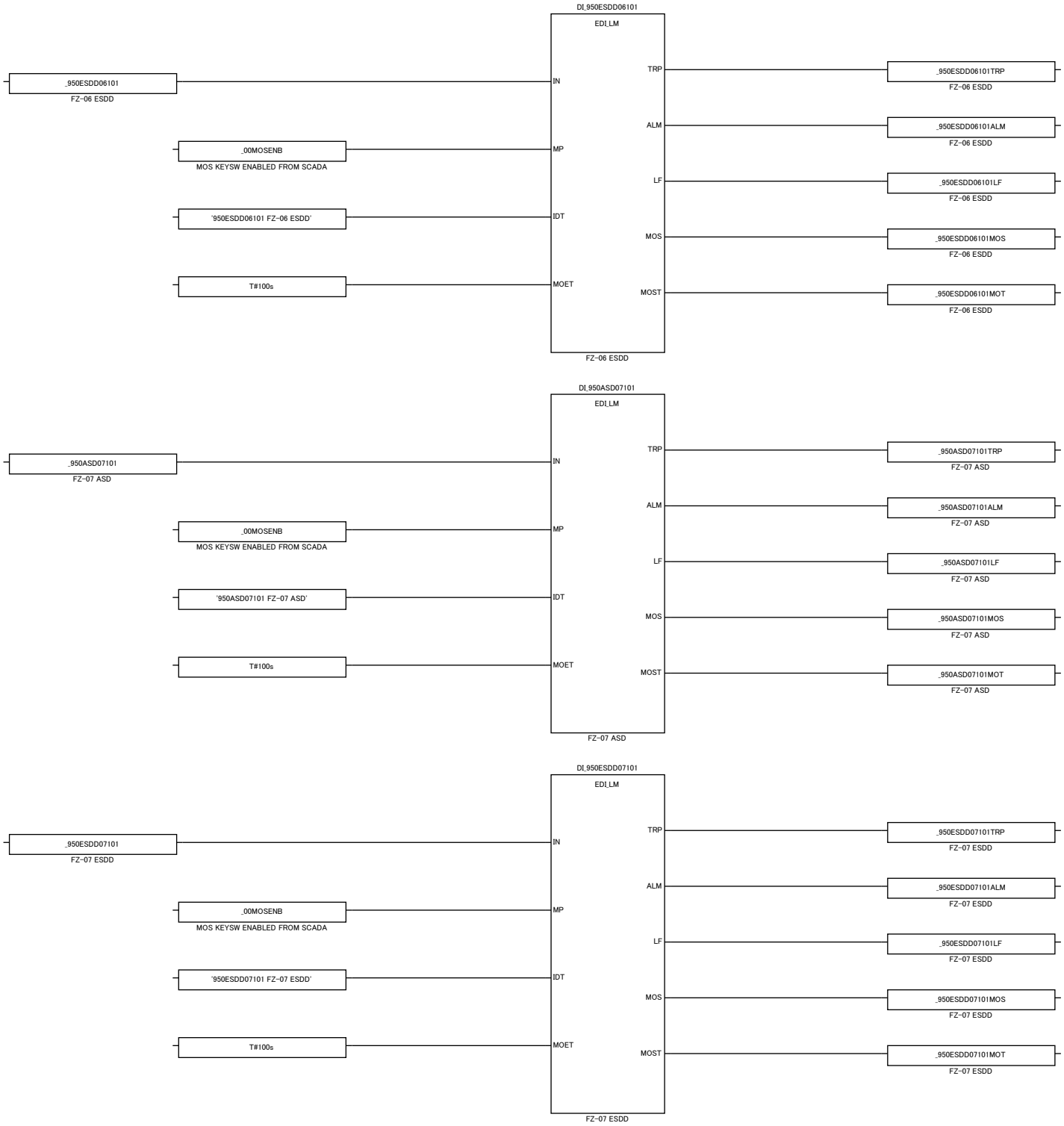

DI_950ASD06101
EDI_LM
_950ASD06101
FZ-06 ASD
IN
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
MP
'950ASD06101 FZ-06 ASD'
IDT
T#100s
MOET
FZ-06 ASD
TRP
_950ASD06101TRP
FZ-06 ASD
ALM
_950ASD06101ALM
FZ-06 ASD
LF
_950ASD06101LF
FZ-06 ASD
MOS
_950ASD06101MOS
FZ-06 ASD
MOST
_950ASD06101MOT
FZ-06 ASD

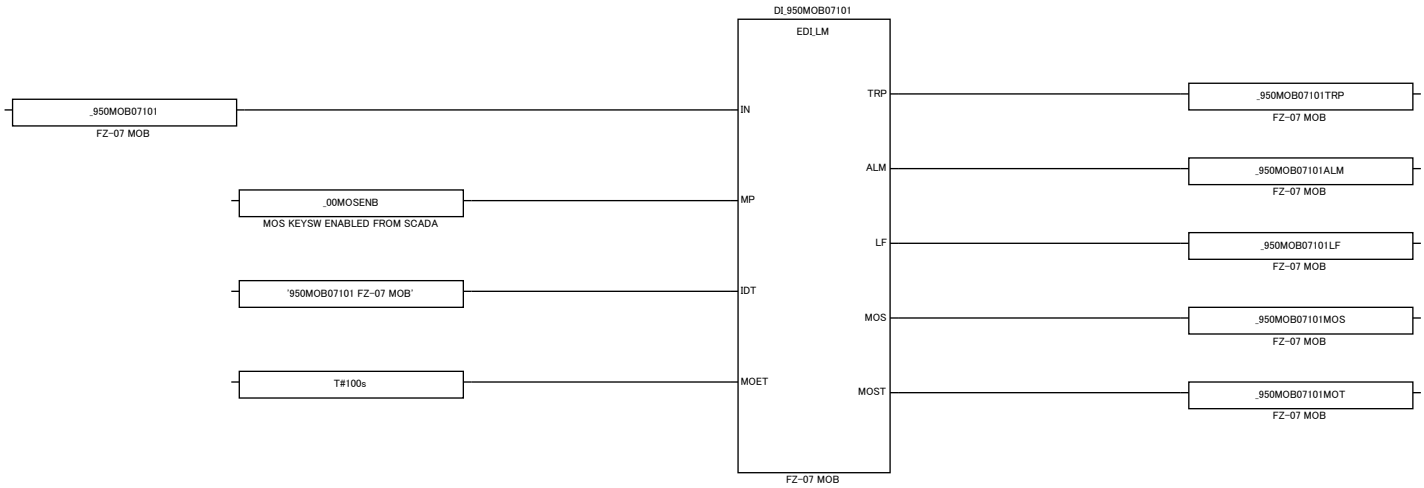

DI_950MOB03101
EDI_LM
_950MOB03101
FZ-03 MOB
IN
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
MP
'950MOB03101 FZ-03 MOB'
IDT
T#100s
MOET
FZ-03 MOB
TRP
_950MOB03101TRP
FZ-03 MOB
ALM
_950MOB03101ALM
FZ-03 MOB
LF
_950MOB03101LF
FZ-03 MOB
MOS
_950MOB03101MOS
FZ-03 MOB
MOST
_950MOB03101MOT
FZ-03 MOB

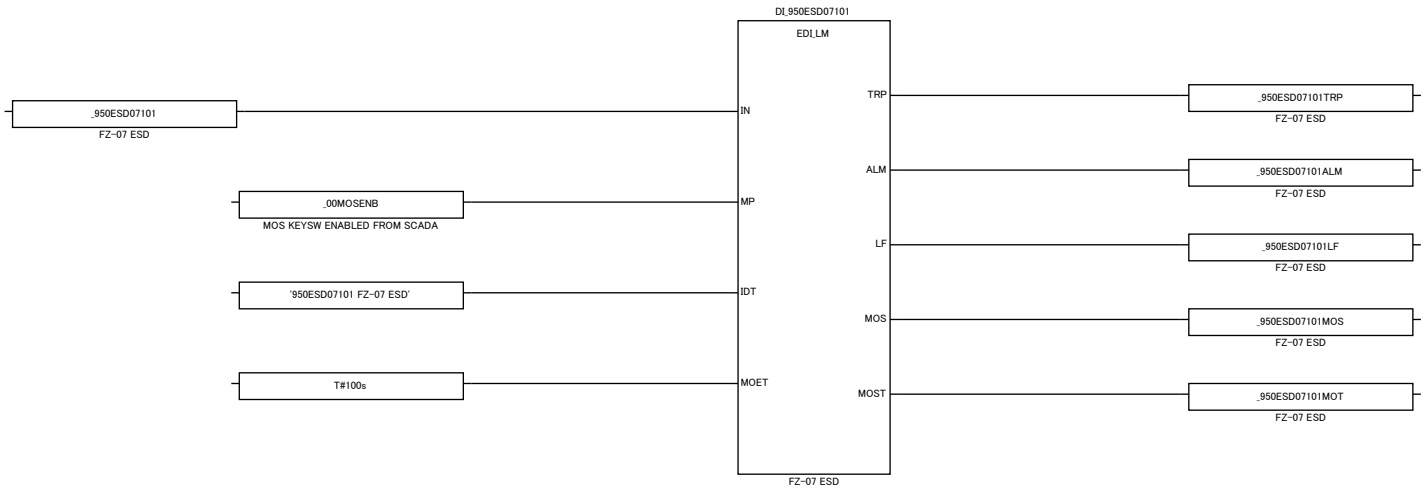

DI_950ESD03101
EDI_LM
_950ESD03101
FZ-03 ESD
IN
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
MP
'950ESD03101 FZ-03 ESD'
IDT
T#100s
MOET
TRP
ALM
LF
MOS
MOST
_950ESD03101TRP
FZ-03 ESD
_950ESD03101ALM
FZ-03 ESD
_950ESD03101LF
FZ-03 ESD
_950ESD03101MOS
FZ-03 ESD
_950ESD03101MOT
FZ-03 ESD
FZ-03 ESD


DI_950MOB06101
EDI_LM
_950MOB06101
FZ-06 MOB
IN
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
MP
'950MOB06101 FZ-06 MOB'
IDT
T#100s
MOET
TRP
ALM
LF
MOS
MOST
_950MOB06101TRP
FZ-06 MOB
_950MOB06101ALM
FZ-06 MOB
_950MOB06101LF
FZ-06 MOB
_950MOB06101MOS
FZ-06 MOB
_950MOB06101MOT
FZ-06 MOB
FZ-06 MOB

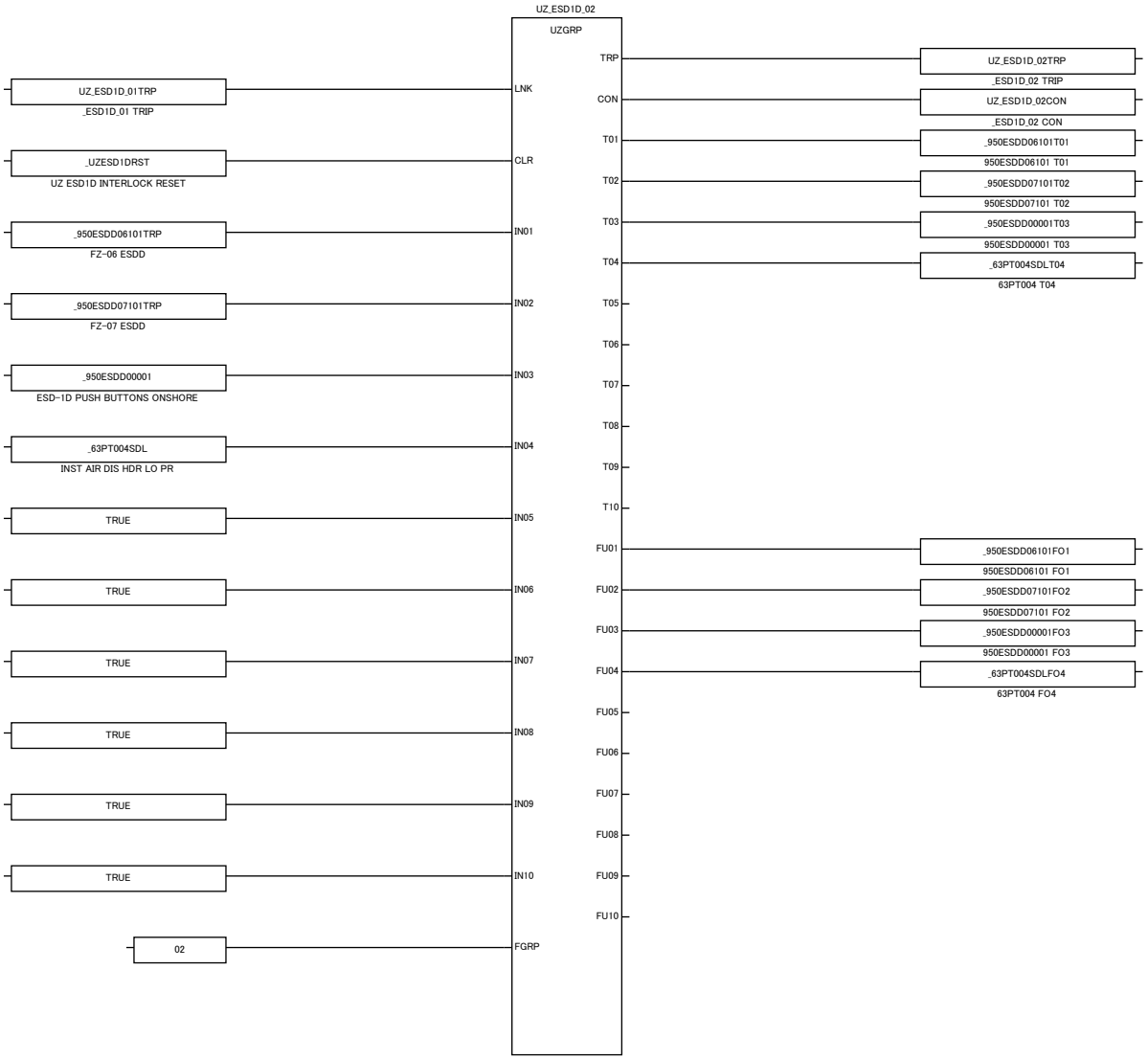
1.10. DI_05(* Digital Input Processing - EDI *)

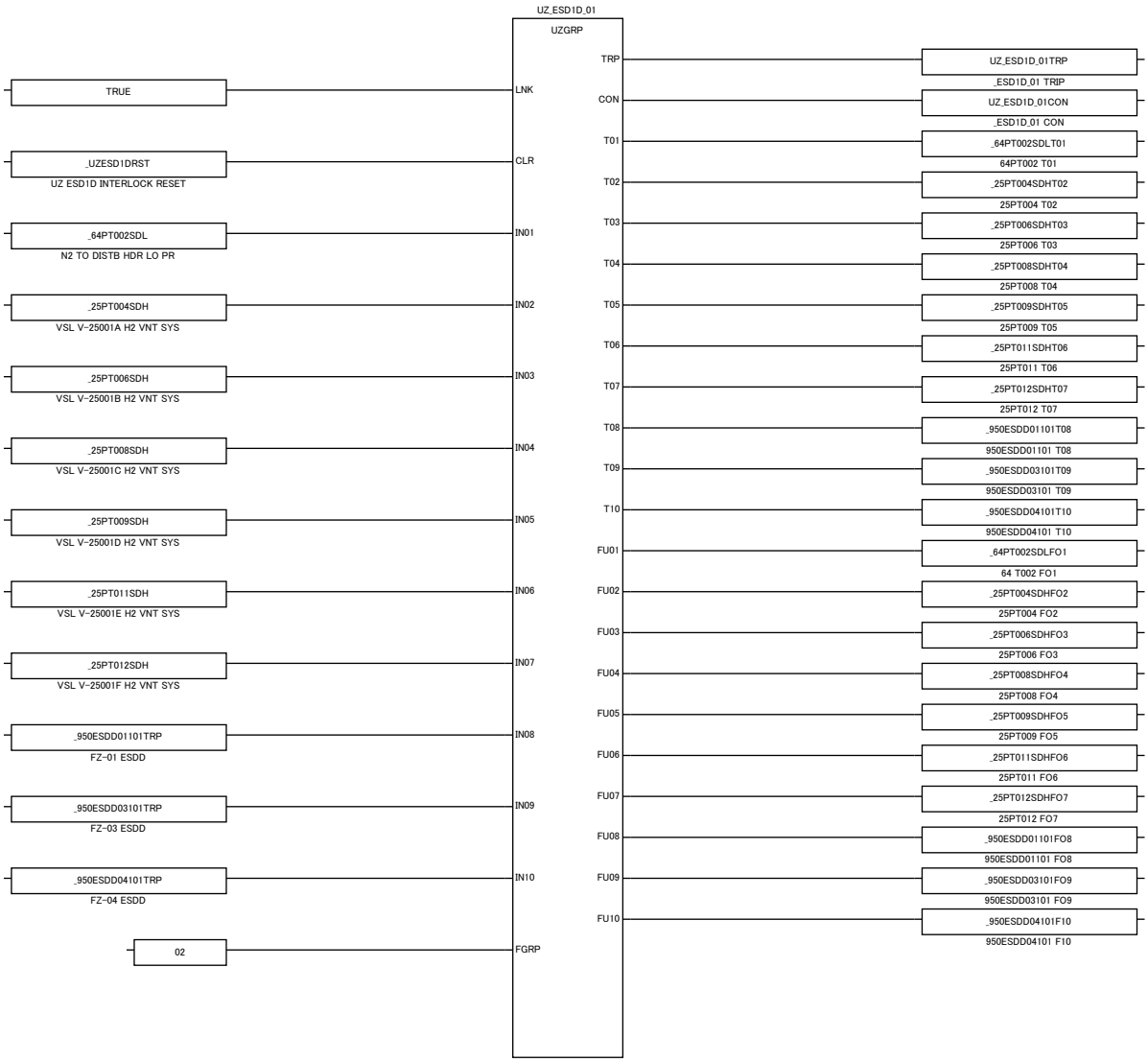



DI_950MOB07101
EDI_LM
_950MOB07101
FZ-07 MOB
IN
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
MP
'950MOB07101 FZ-07 MOB'
IDT
T#100s
MOET
TRP
ALM
LF
MOS
MOST
_950MOB07101TRP
FZ-07 MOB
_950MOB07101ALM
FZ-07 MOB
_950MOB07101LF
FZ-07 MOB
_950MOB07101MOS
FZ-07 MOB
_950MOB07101MOT
FZ-07 MOB
FZ-07 MOB

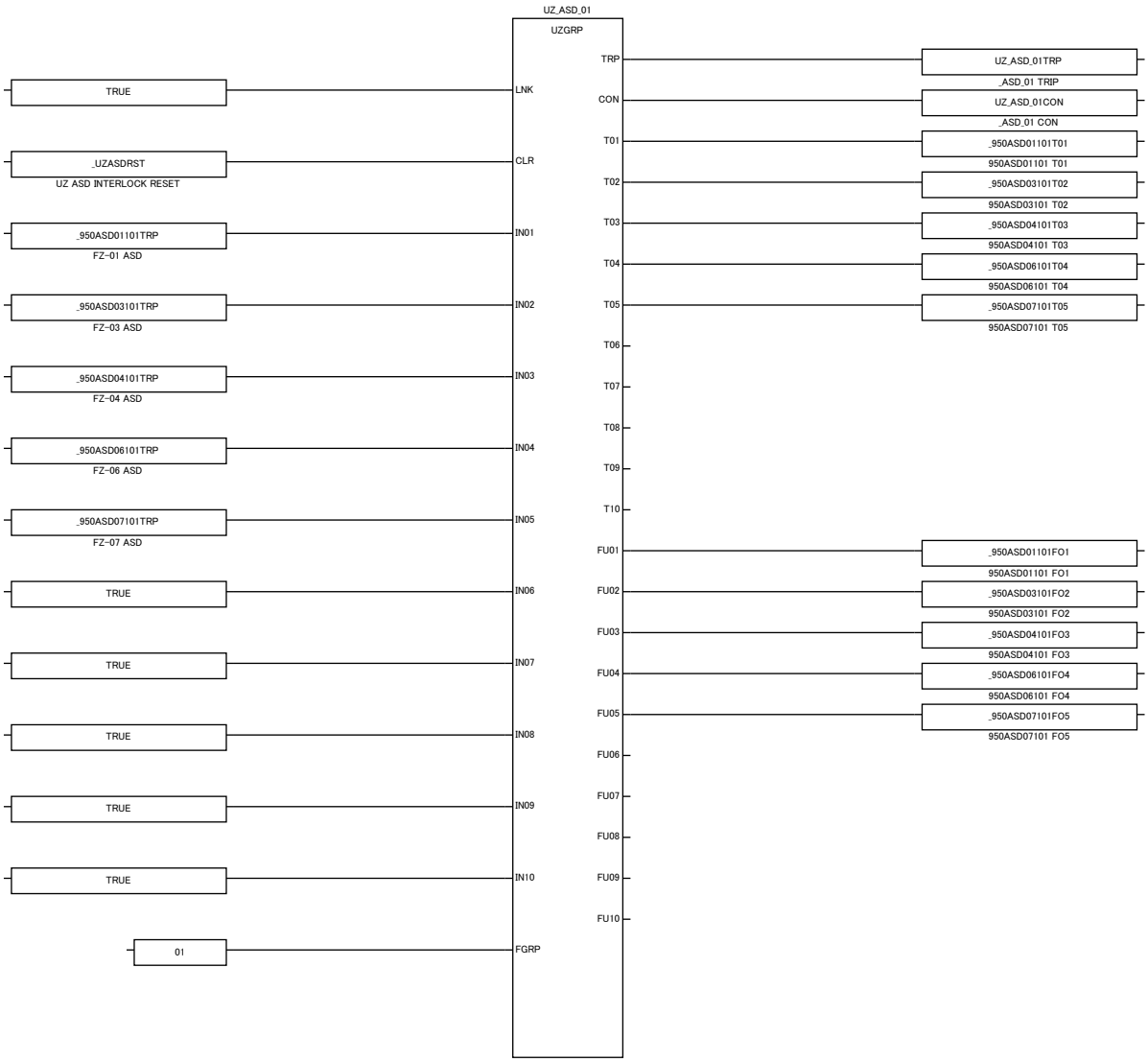

DI_950ESD07101
EDI_LM
_950ESD07101
FZ-07 ESD
IN
_00MOSENB
MOS KEYSW ENABLED FROM SCADA
MP
'950ESD07101 FZ-07 ESD'
IDT
T#100s
MOET
TRP
ALM
LF
MOS
MOST
_950ESD07101TRP
FZ-07 ESD
_950ESD07101ALM
FZ-07 ESD
_950ESD07101LF
FZ-07 ESD
_950ESD07101MOS
FZ-07 ESD
_950ESD07101MOT
FZ-07 ESD
FZ-07 ESD

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



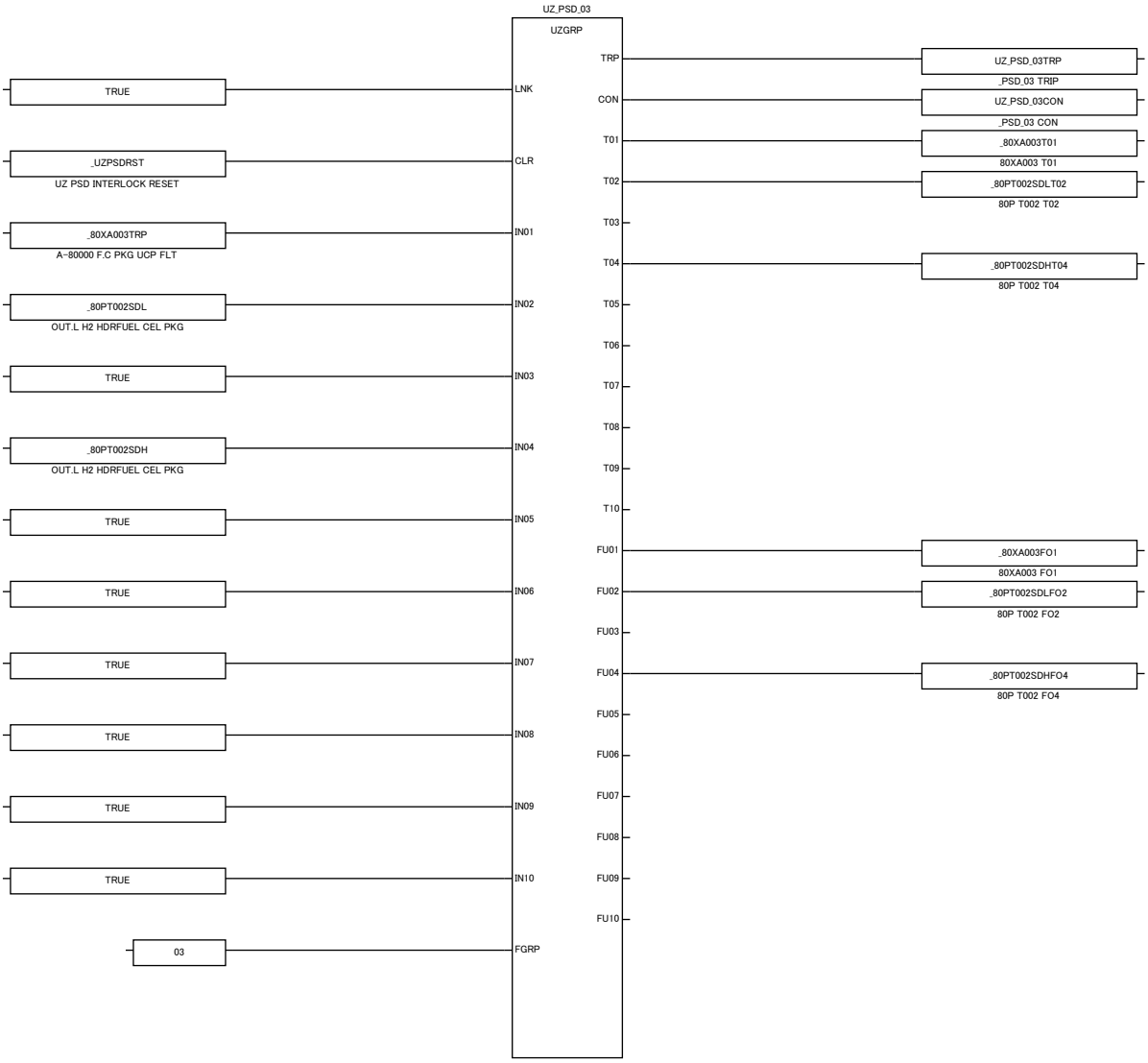


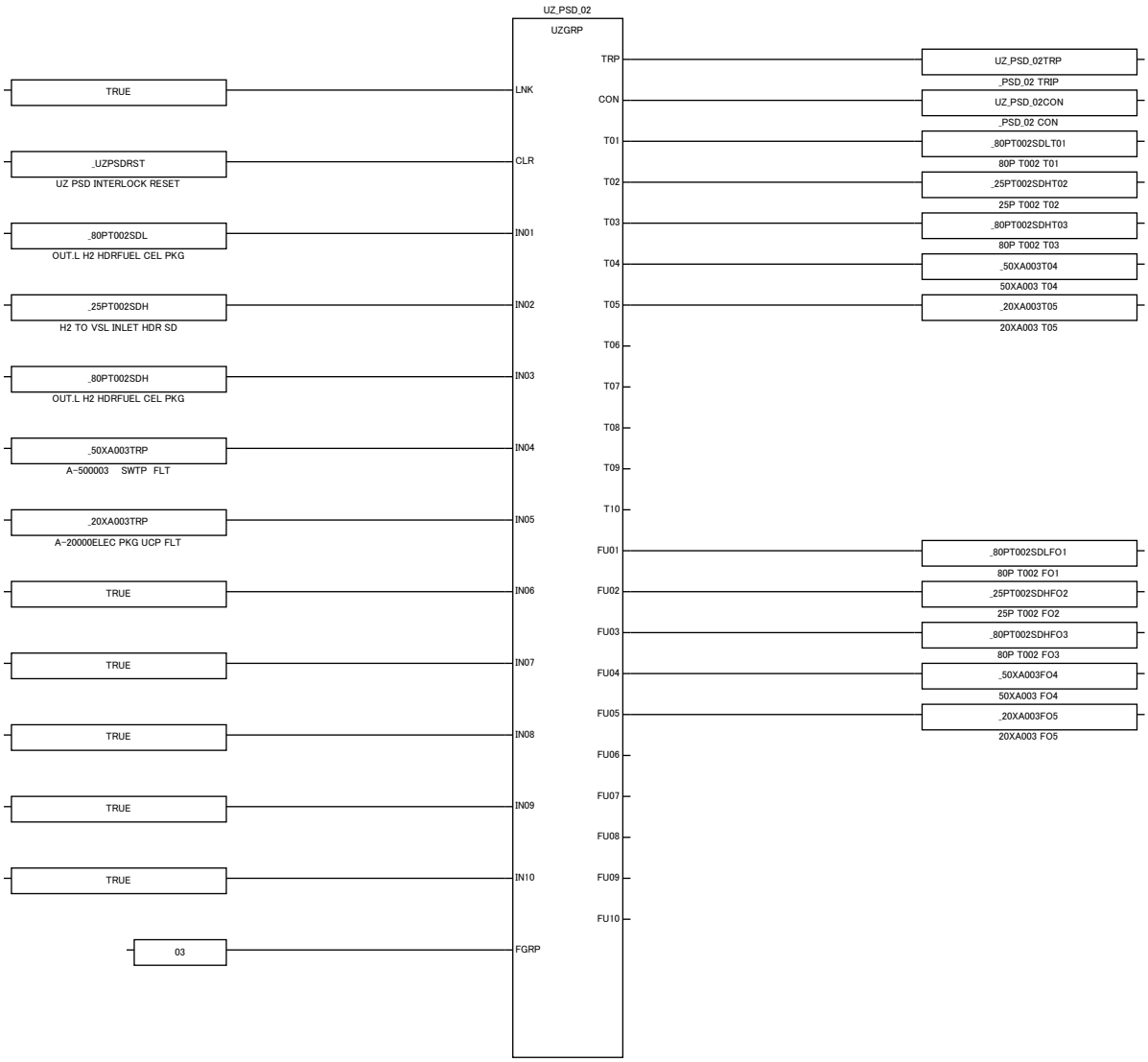
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 27
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



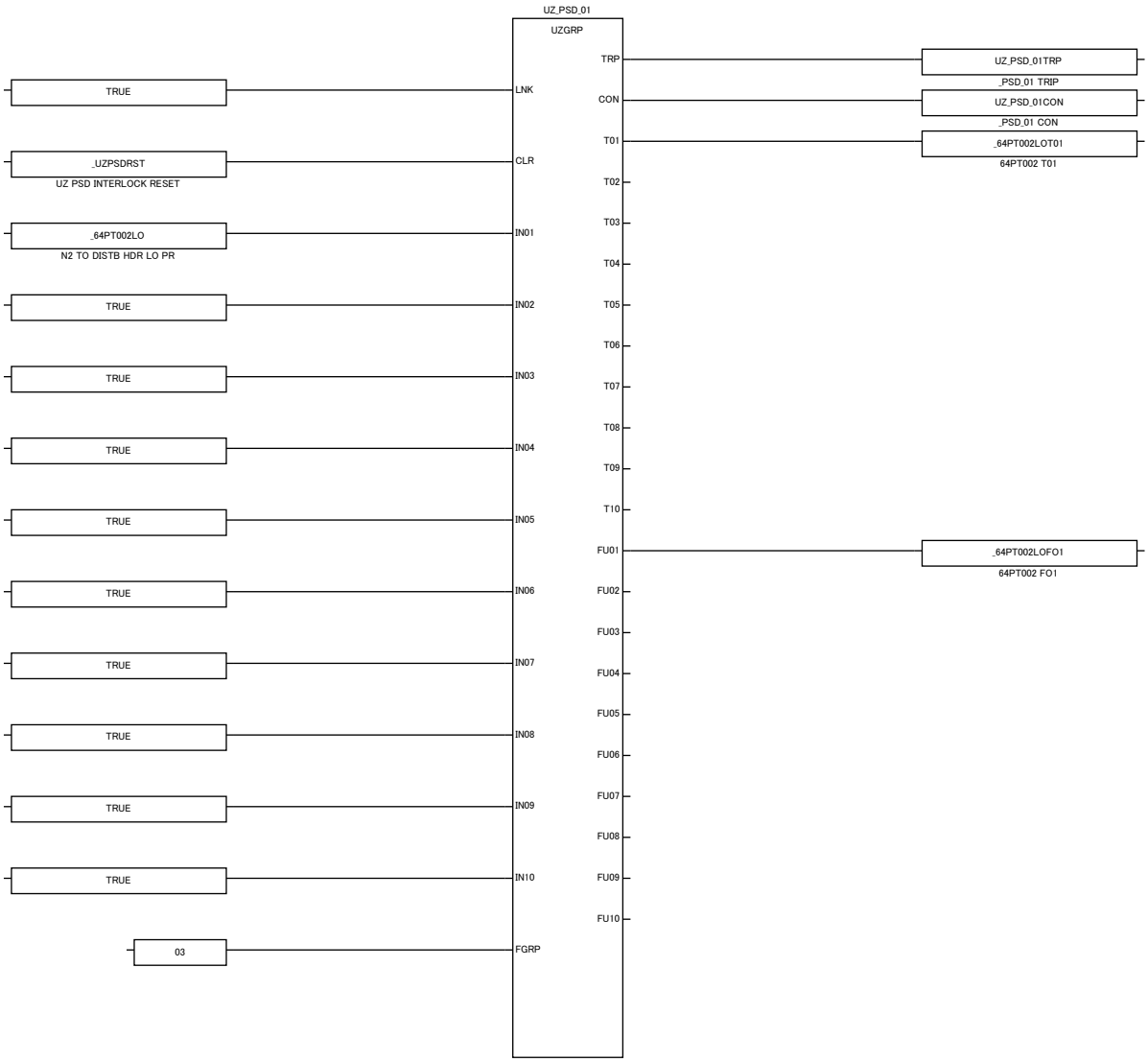
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 28
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

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

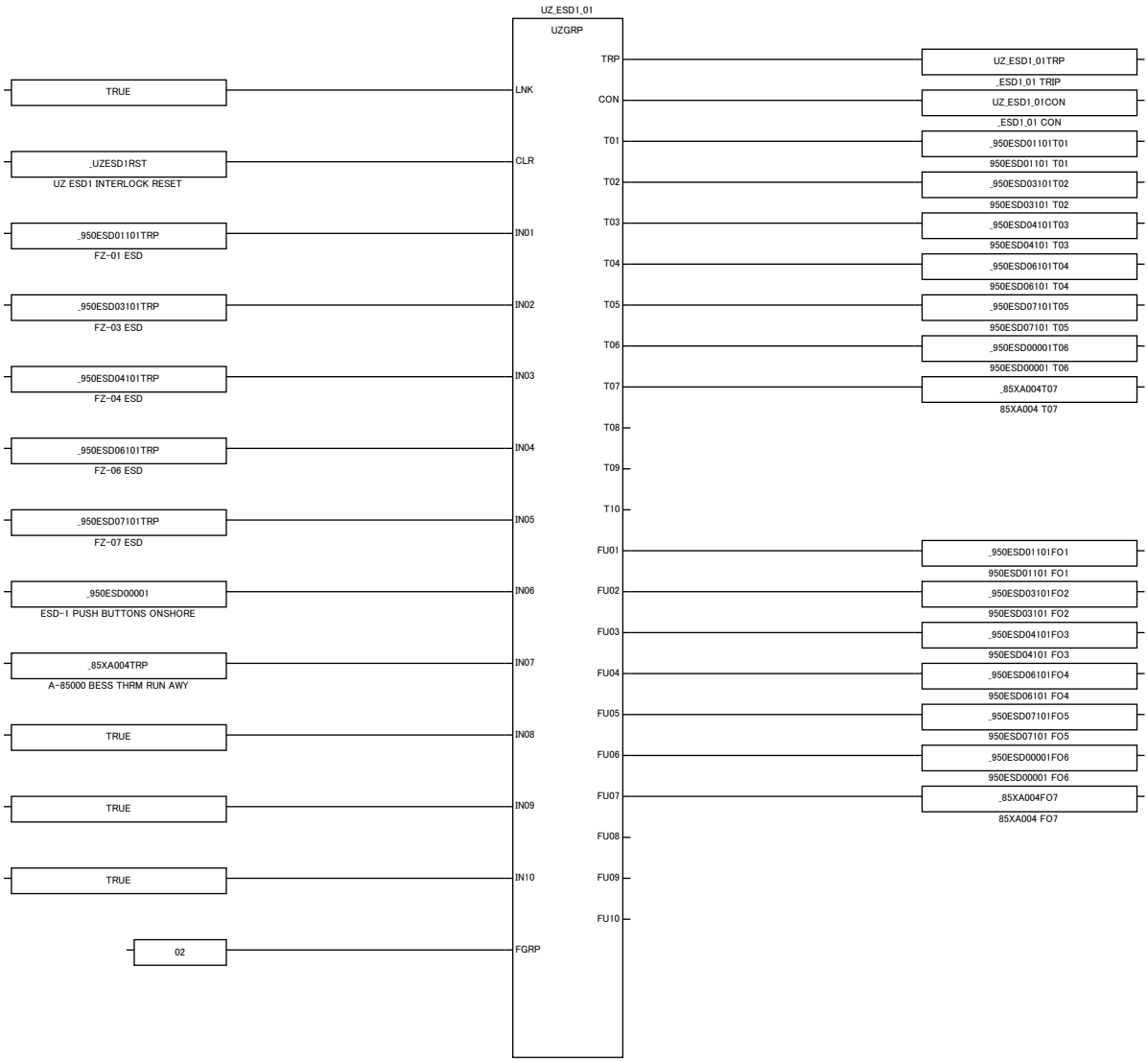




AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 30
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

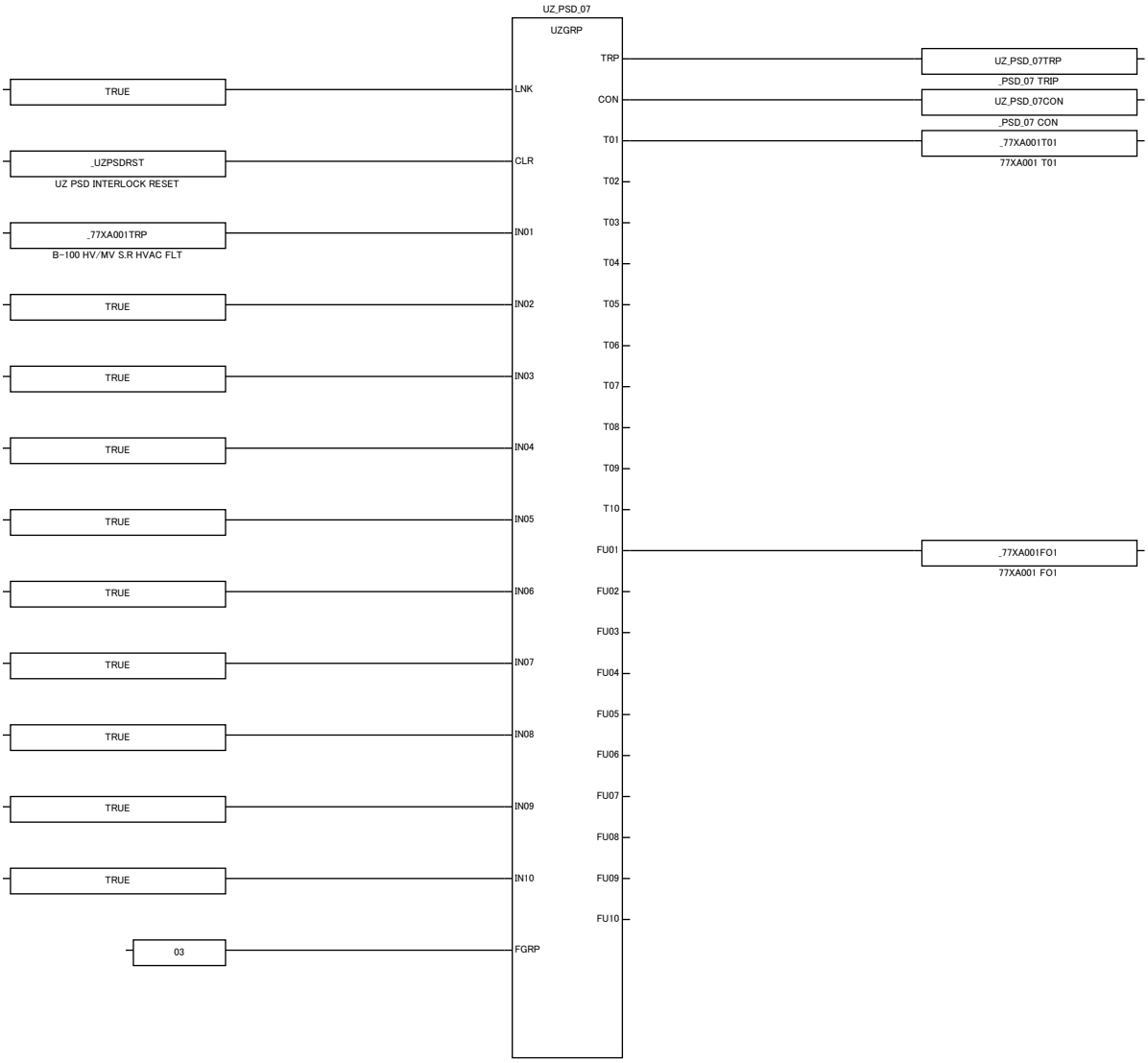


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 31
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

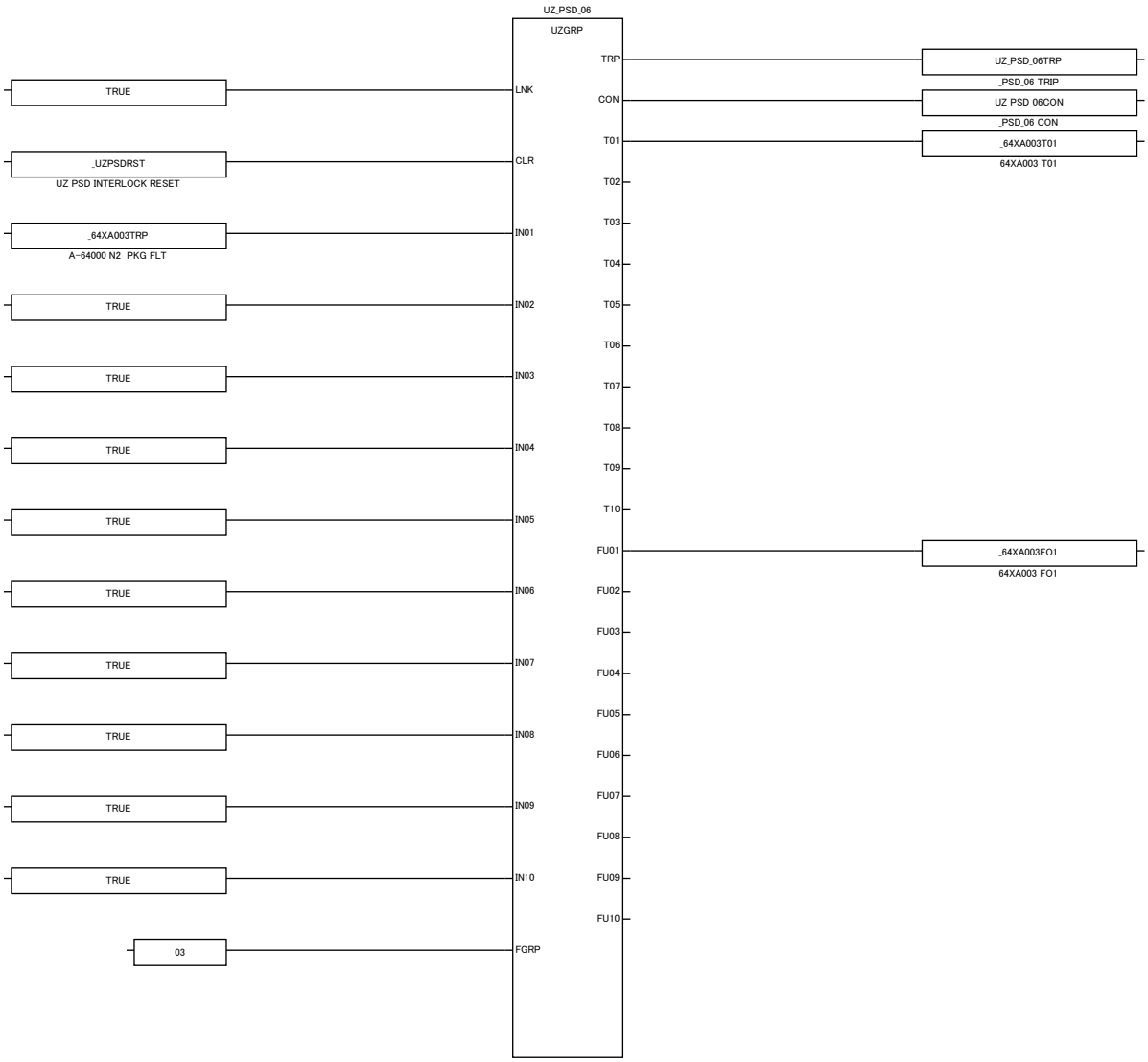


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 32
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

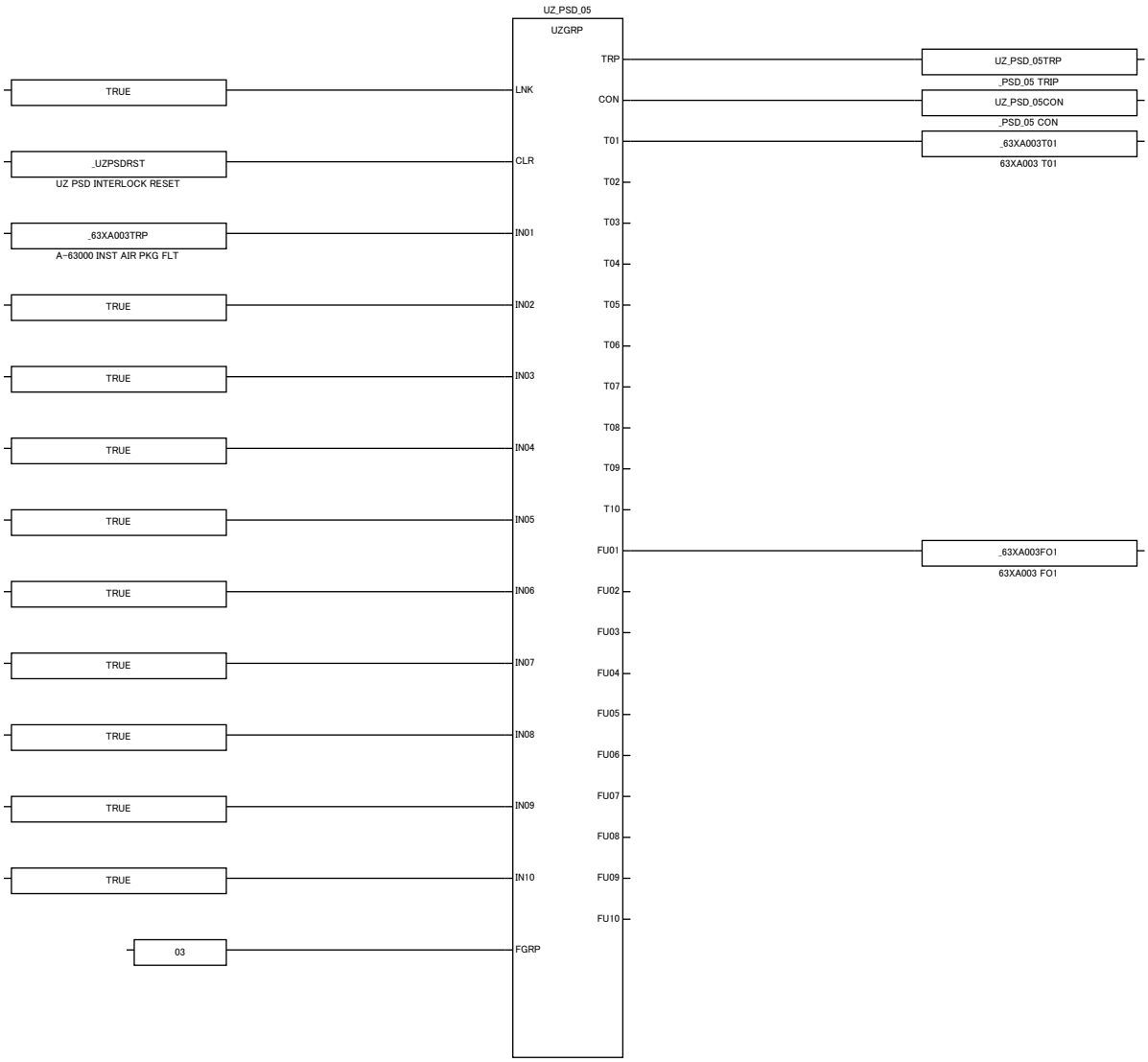
1.13. CE_LOGIC_3(* C&E Interlock Logic *)



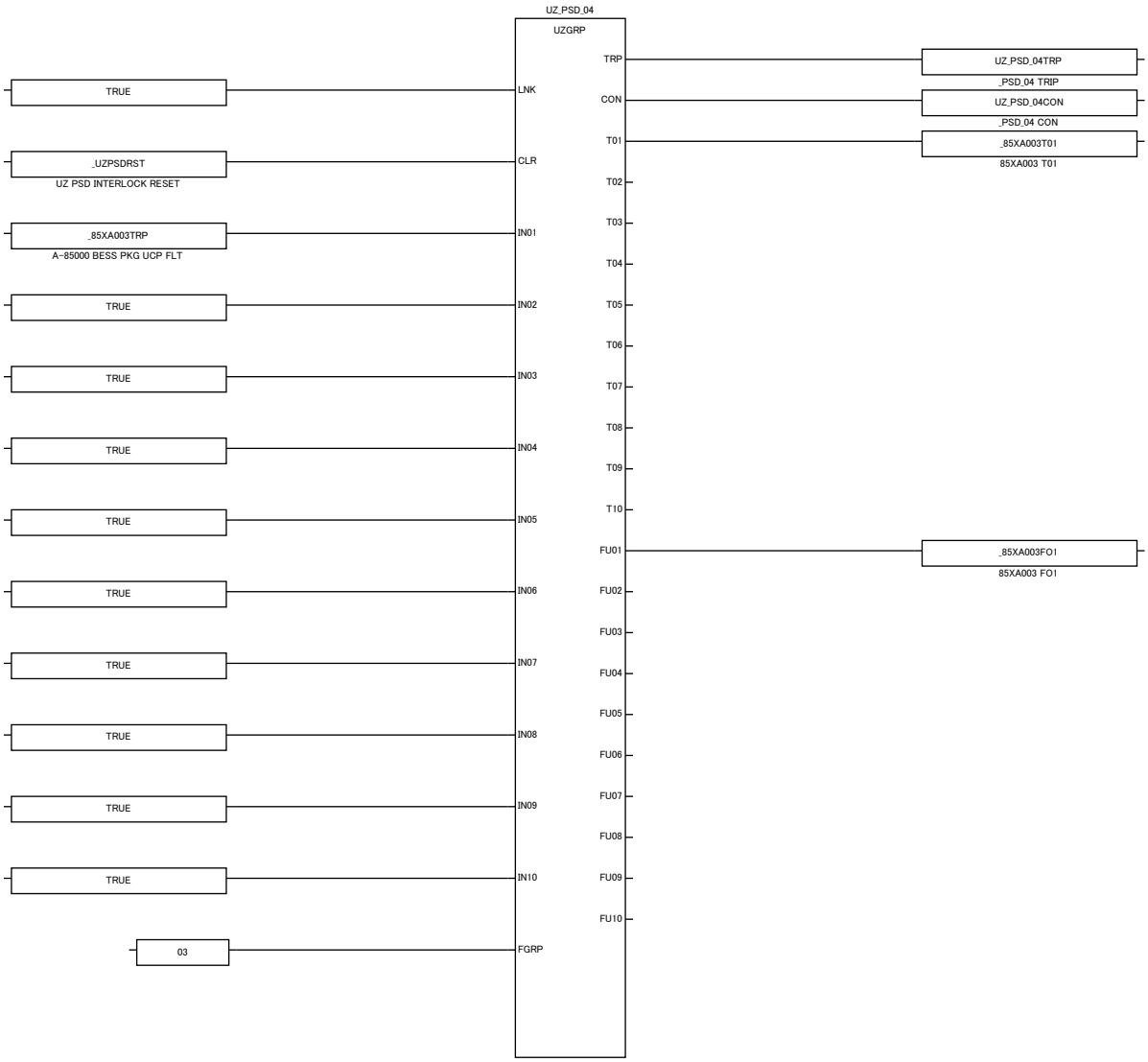
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 33
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



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		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

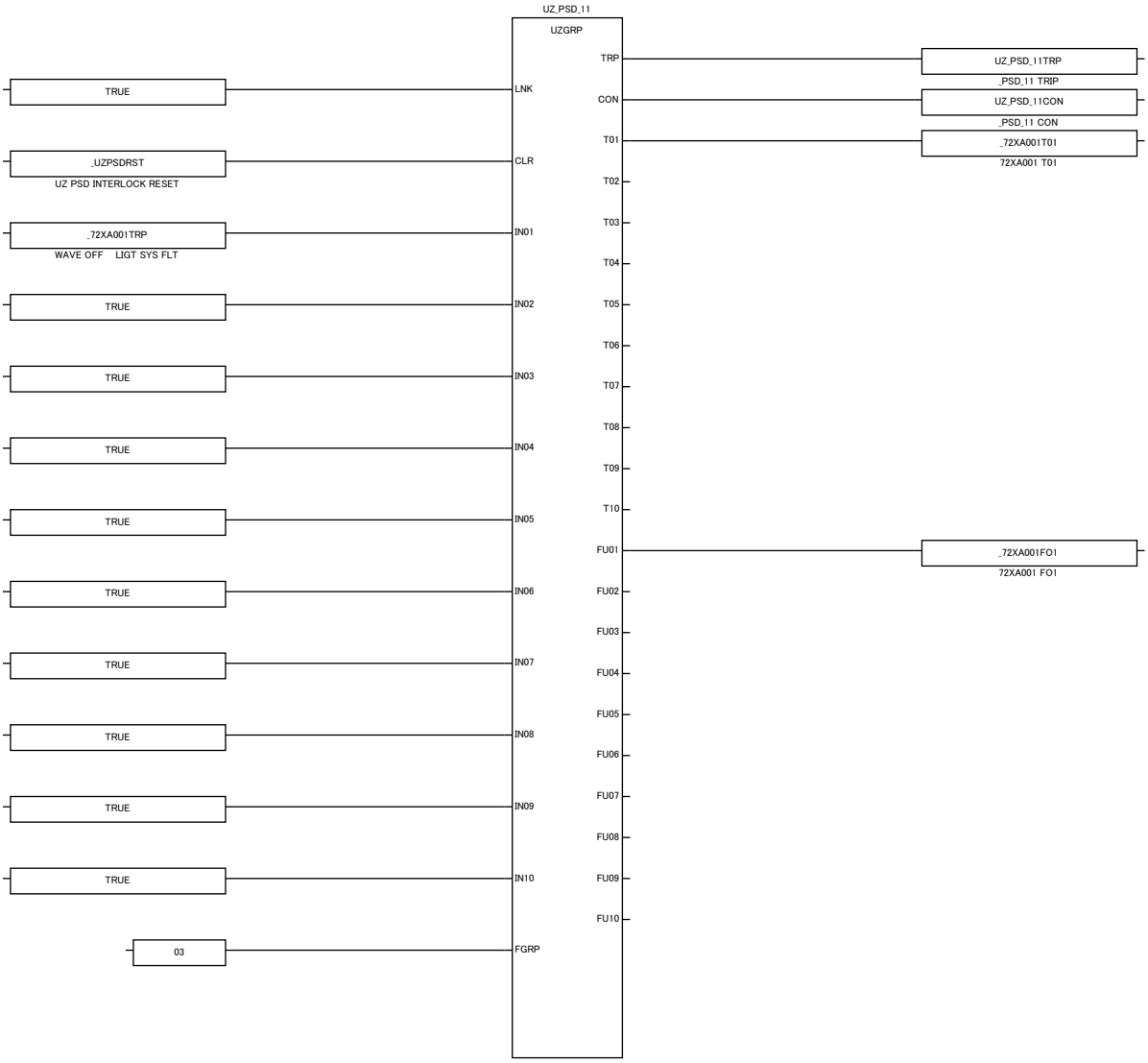


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 35
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

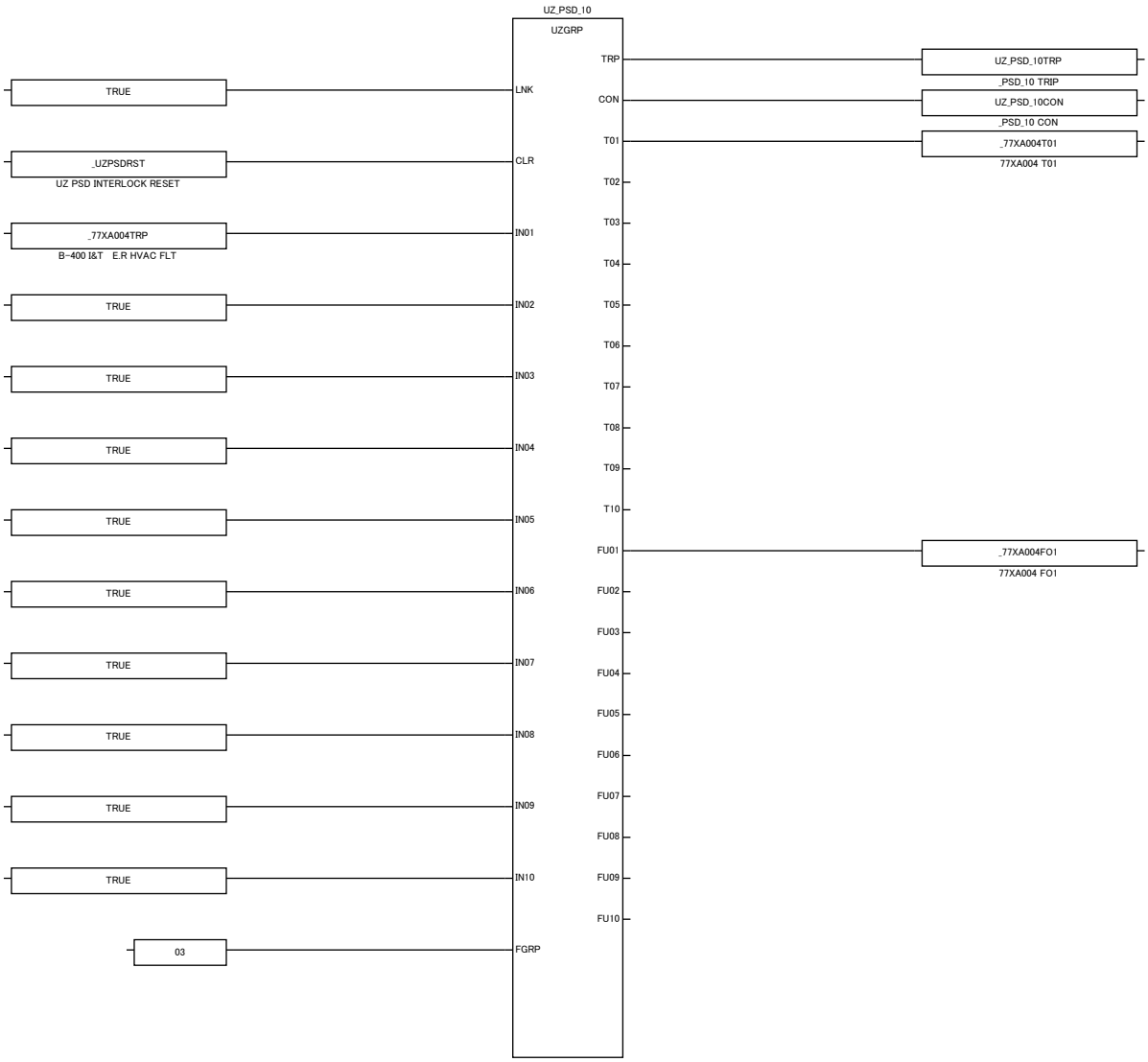


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 36
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

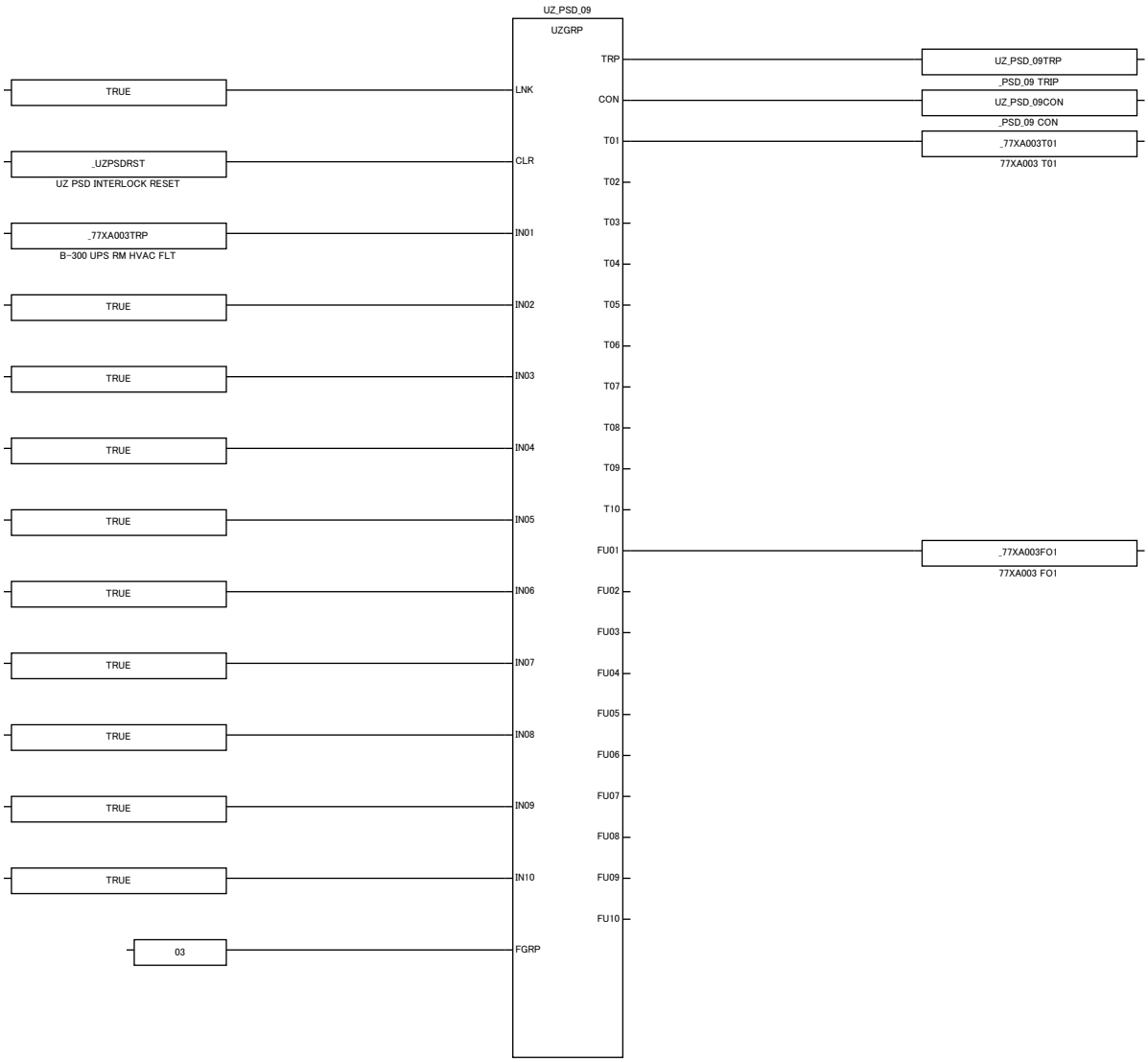
1.14. CE_LOGIC_4(* C&E Interlock Logic *)



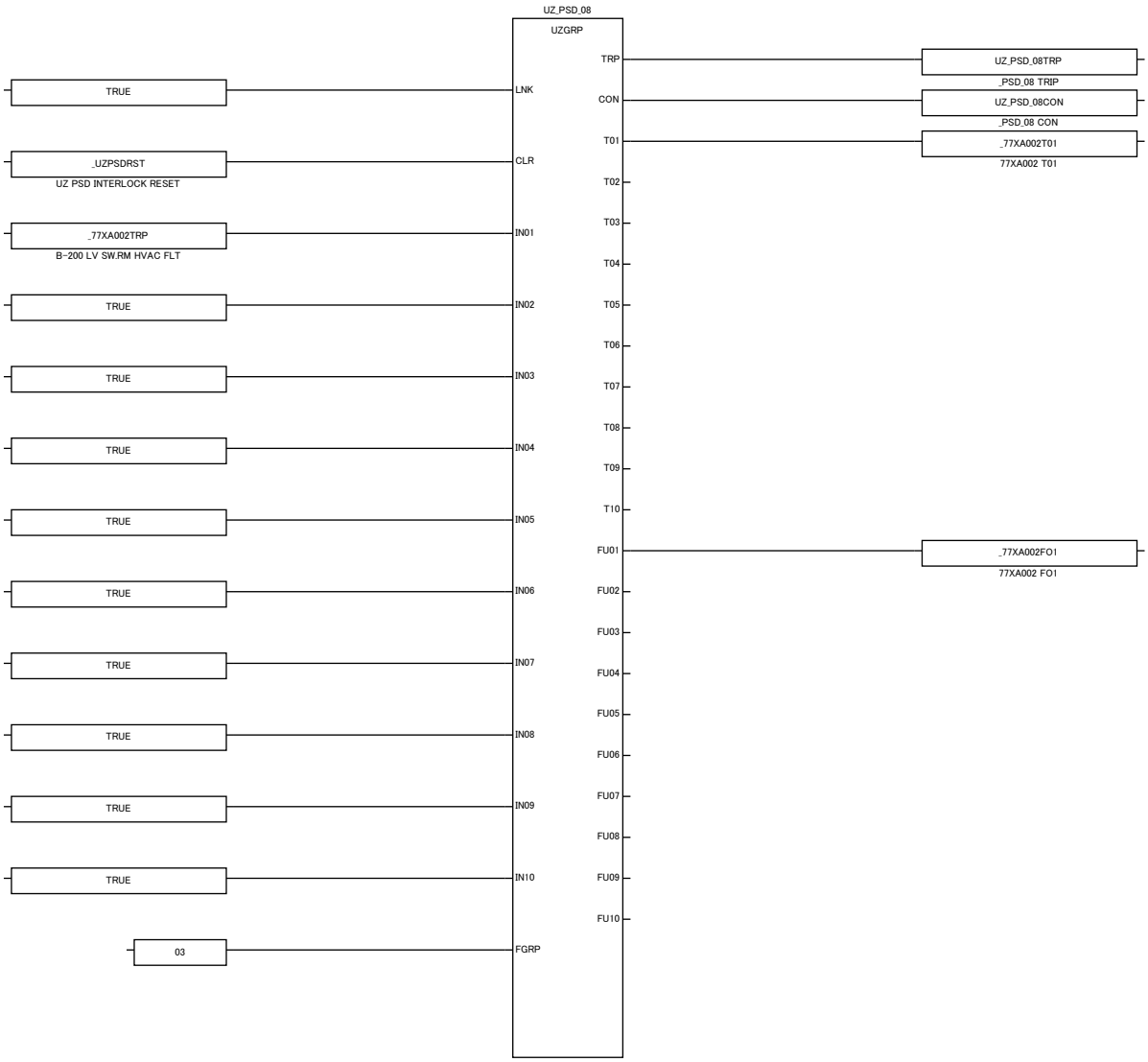
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 37
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 38
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

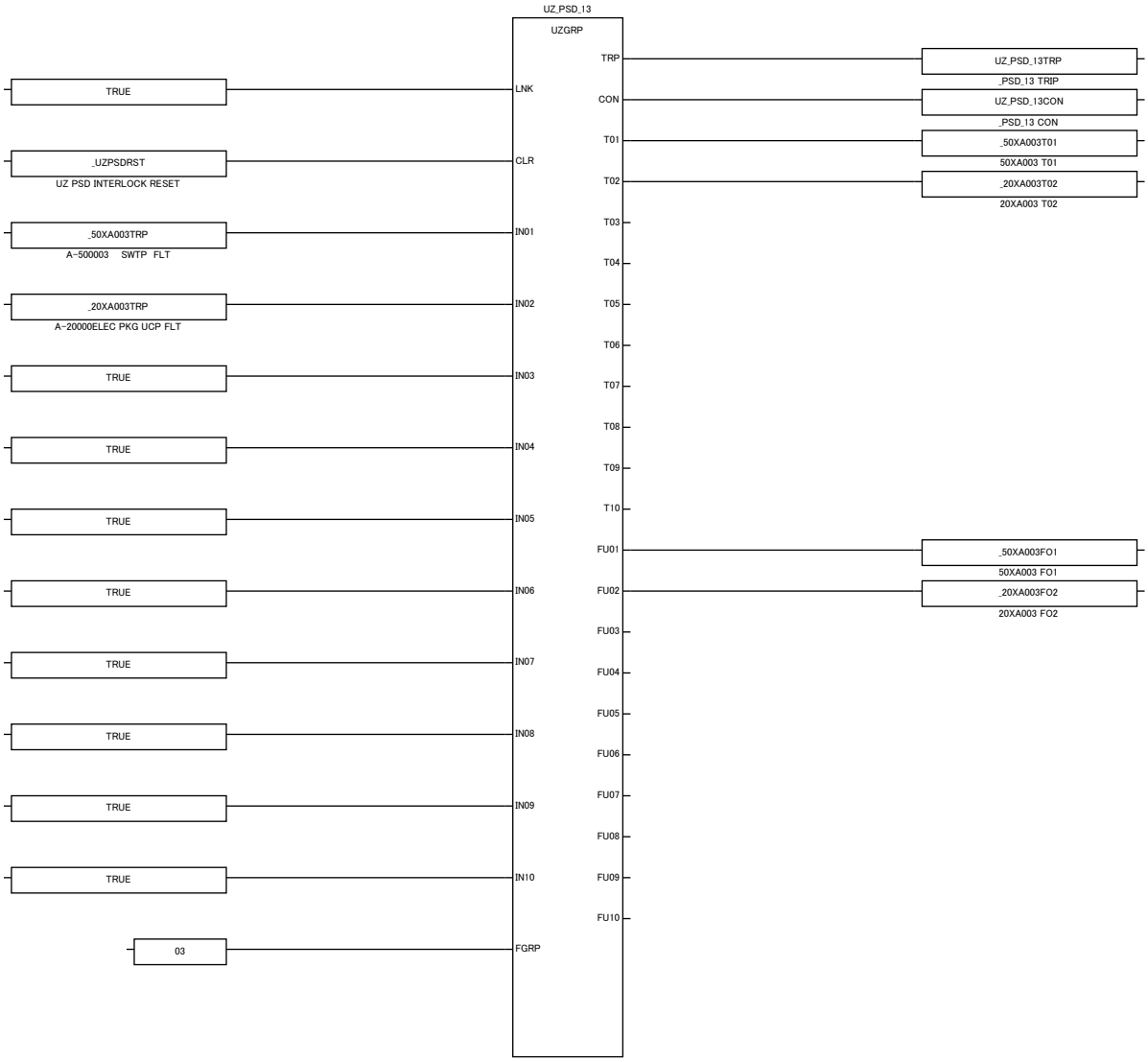


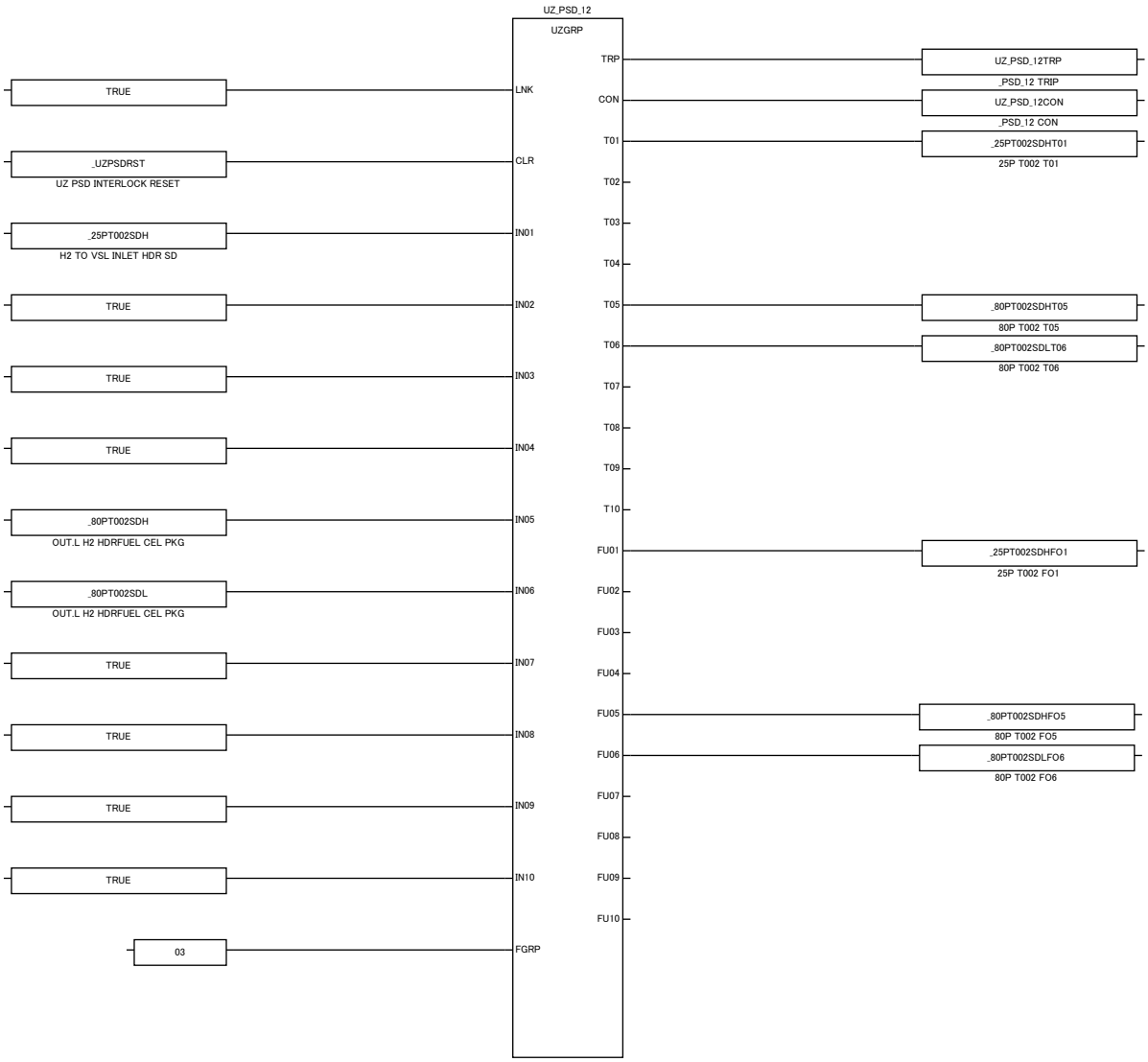
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 39
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 40
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

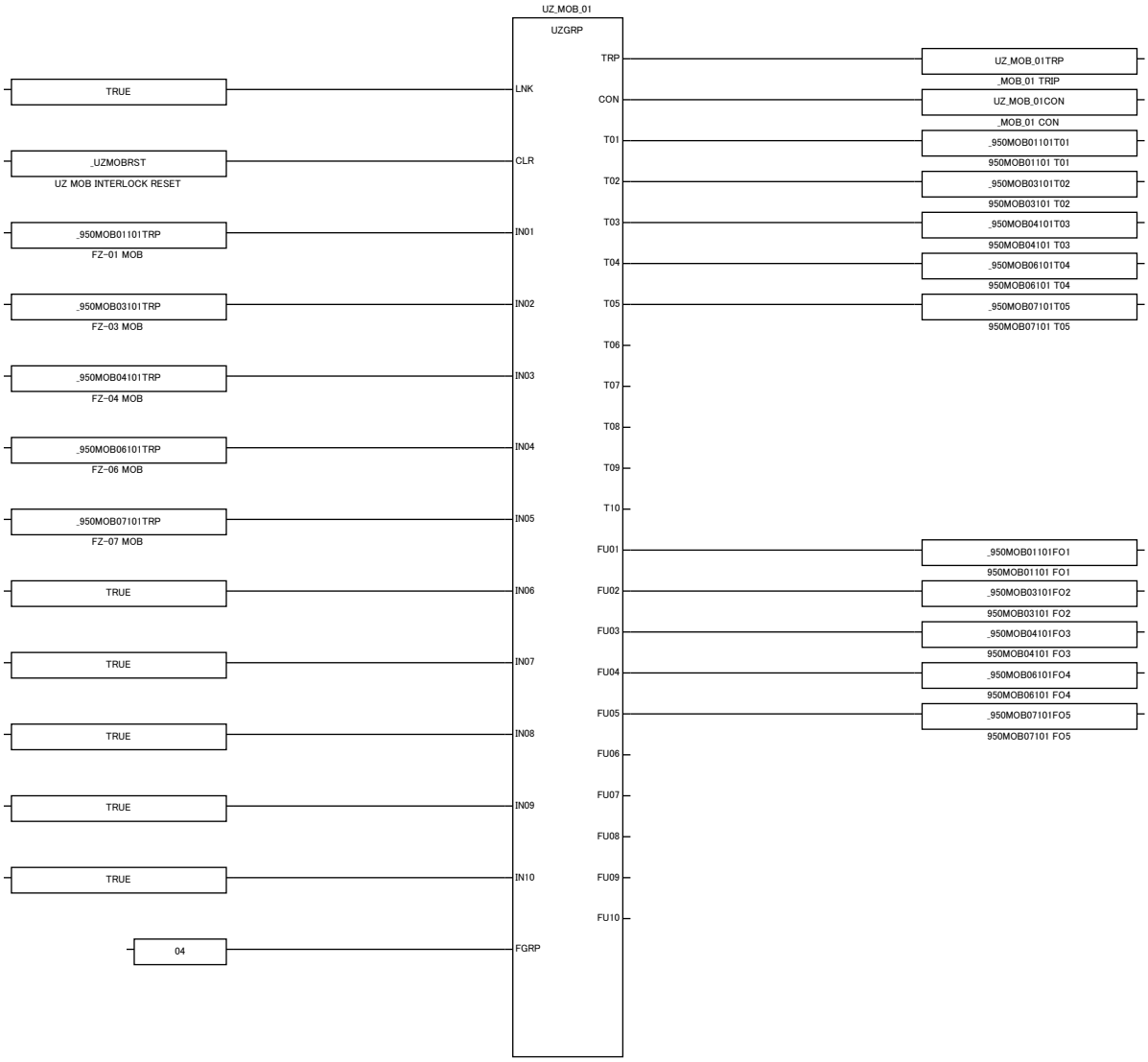
1.15. CE_LOGIC_5(* C&E Interlock Logic *)



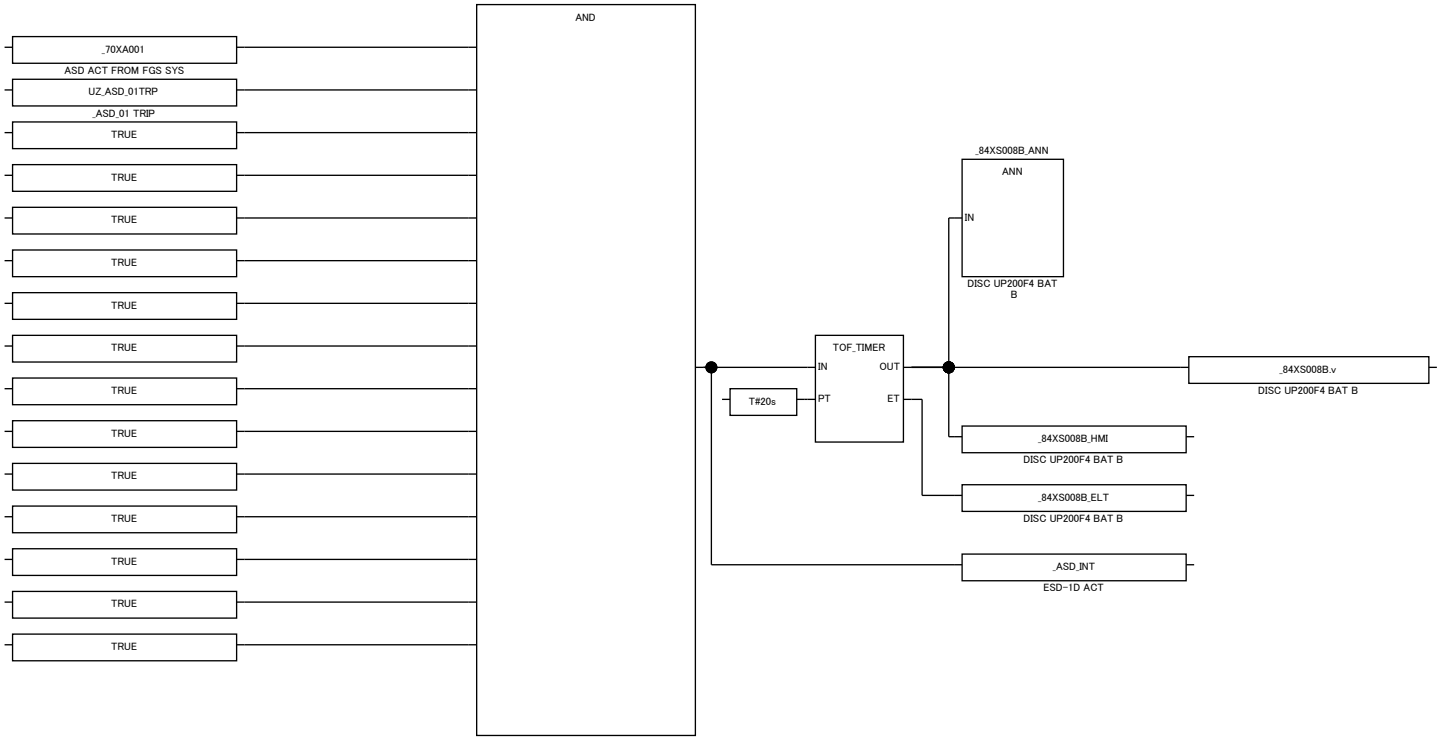


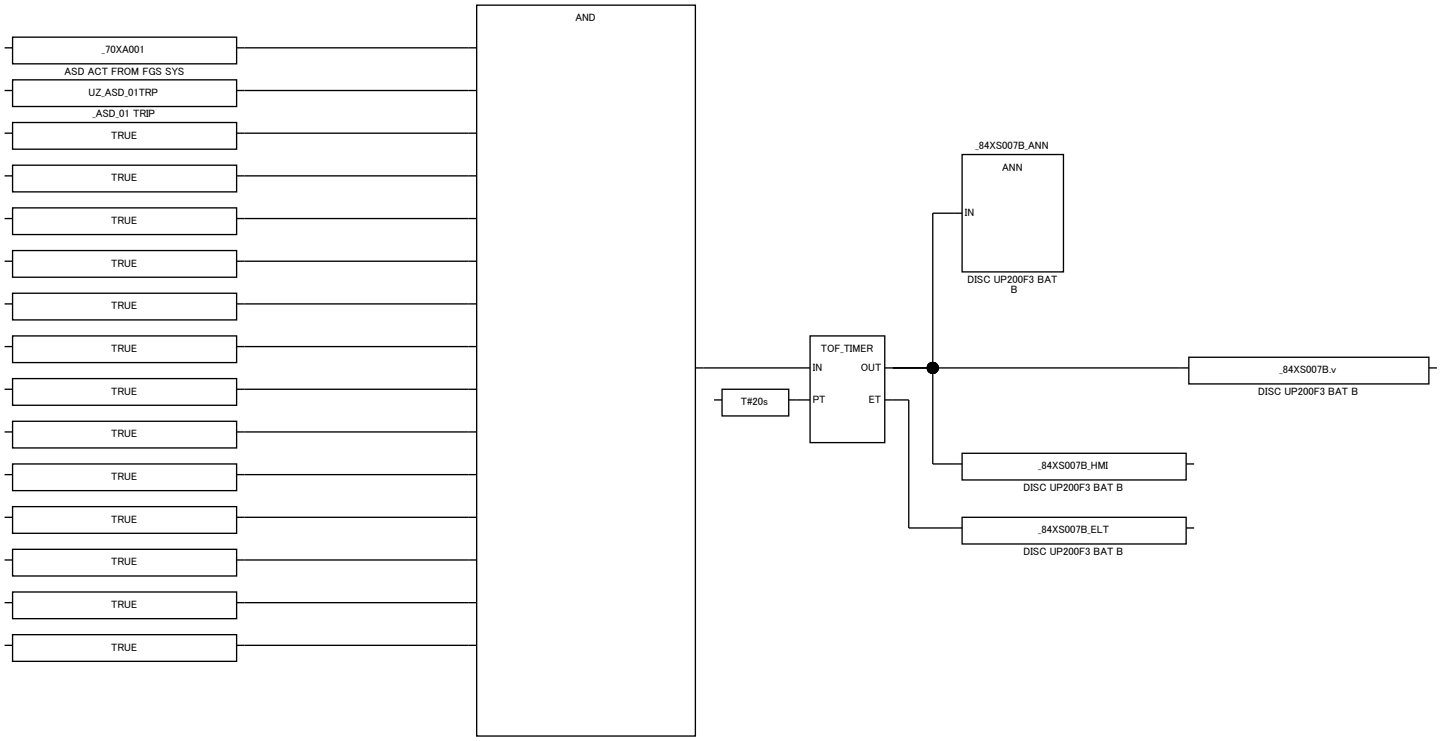
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 42
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

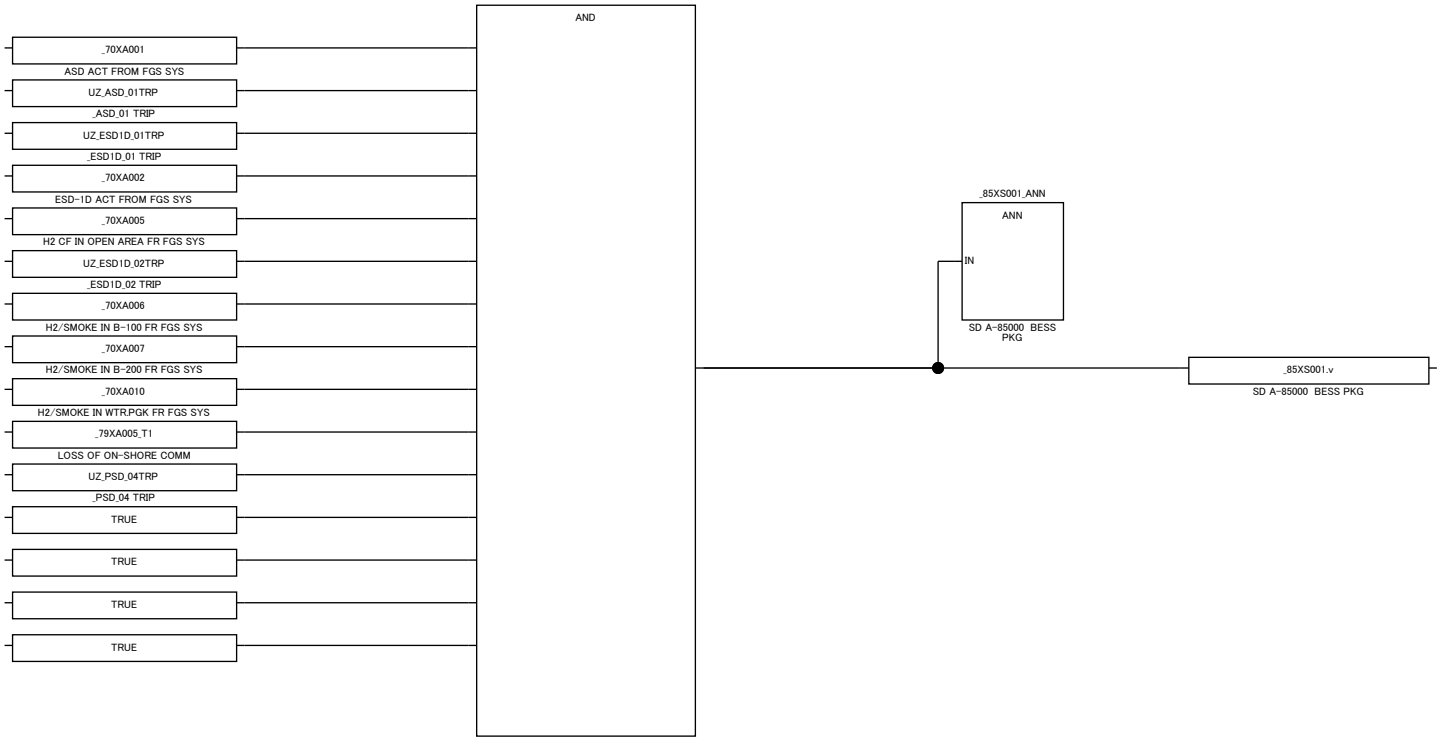
1.16. CE_LOGIC_6(* C&E Interlock Logic *)

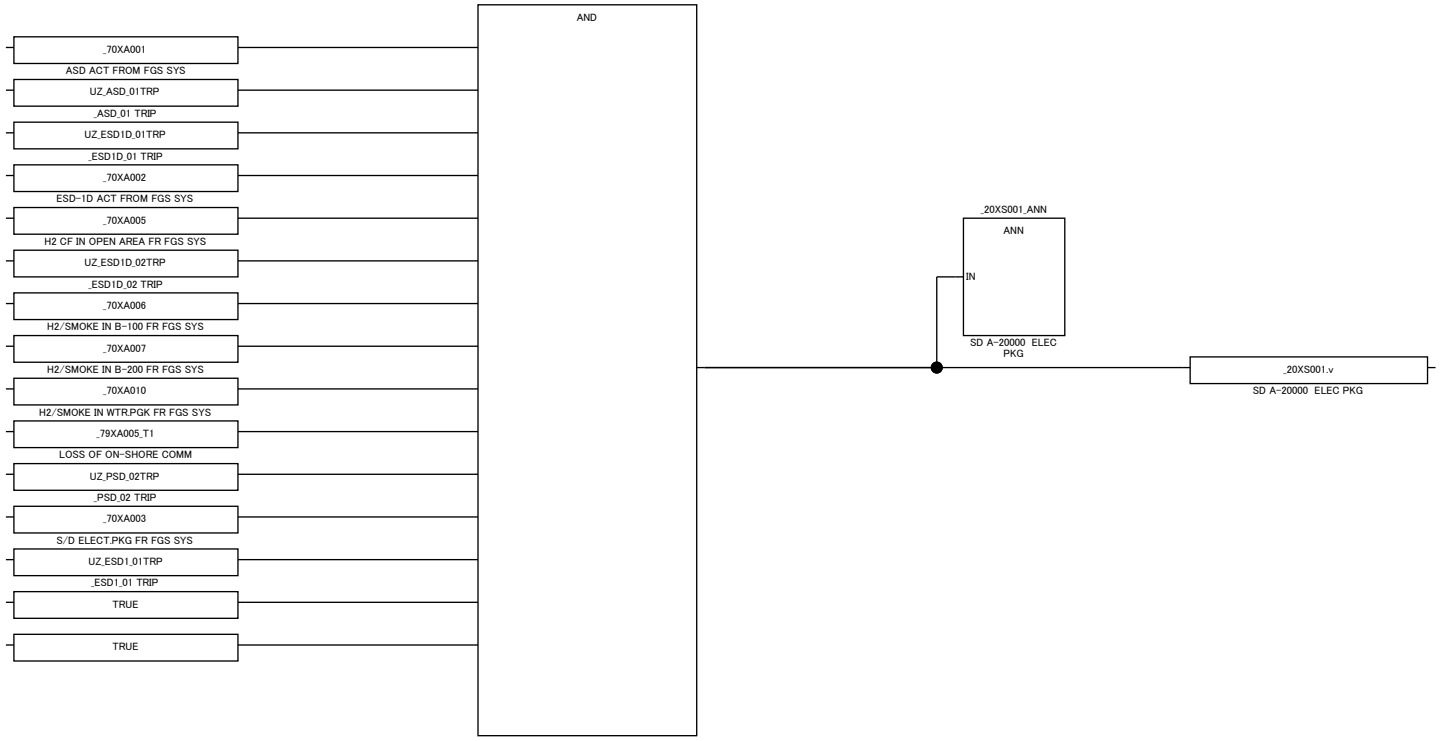


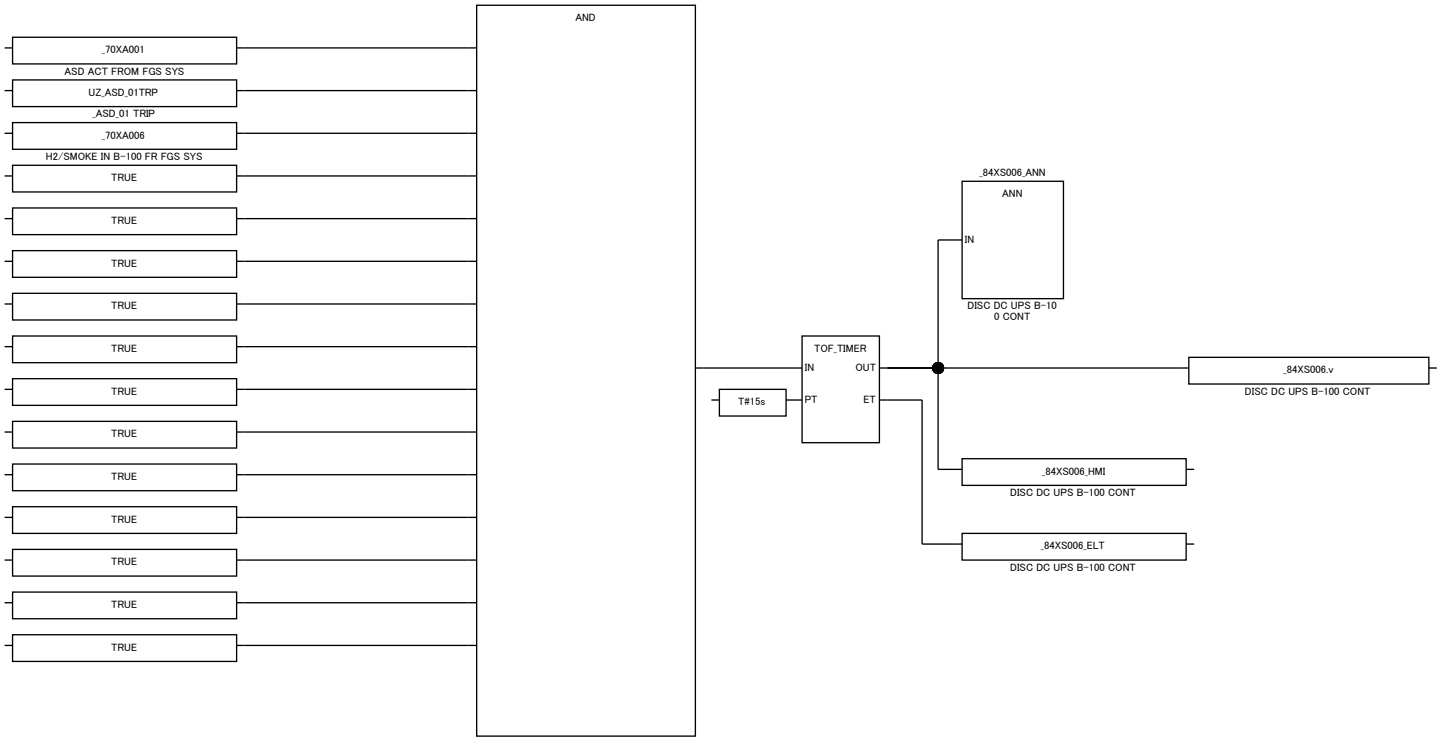
1.17. DO_01(* Digital Output Processing *)

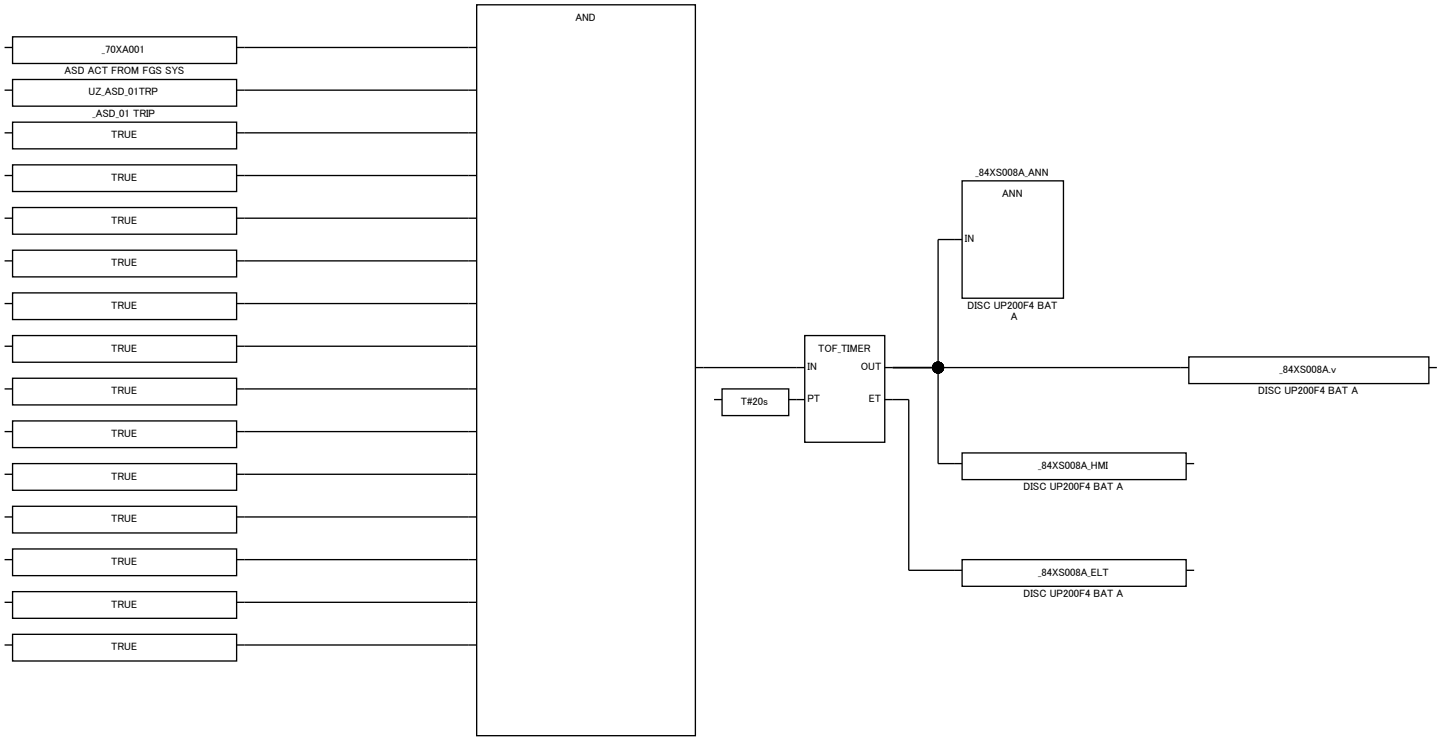




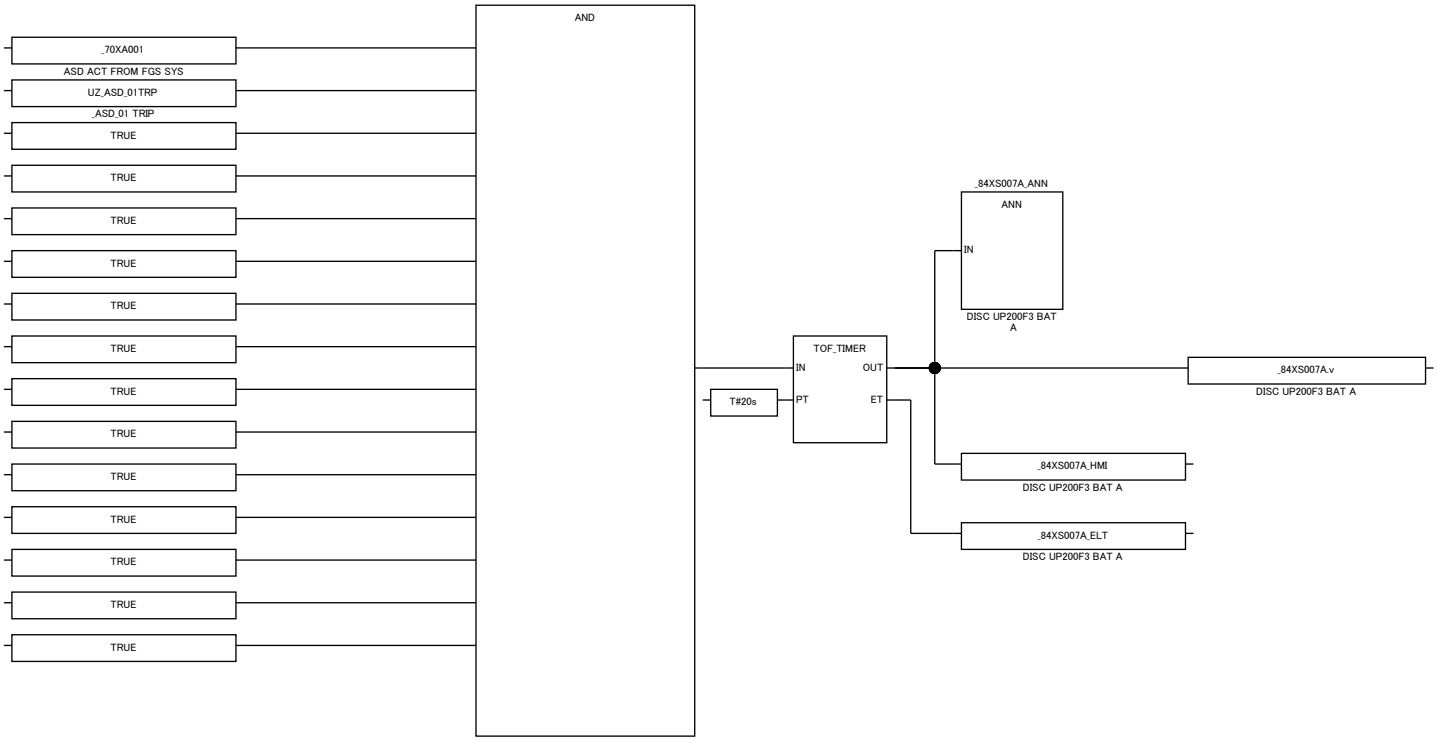

AND
_70XA001
ASD ACT FROM FGS SYS
UZ_ASD_01TRP
_ASD_01 TRIP
UZ_ESD1D_01TRP
_ESD1D_01 TRIP
_70XA002
ESD-1D ACT FROM FGS SYS
_70XA005
H2 CF IN OPEN AREA FR FGS SYS
UZ_ESD1D_02TRP
_ESD1D_02 TRIP
_70XA006
H2/SMOKE IN B-100 FR FGS SYS
_70XA007
H2/SMOKE IN B-200 FR FGS SYS
_70XA010
H2/SMOKE IN WTR.PGK FR FGS SYS
_79XA005_T1
LOSS OF ON-SHORE COMM
UZ_PSD_04TRP
_PSD_04 TRIP
TRUE
TRUE
TRUE
TRUE
_85XS001_ANN
ANN
IN
SD A-85000 BESS PKG
_85XS001.v
SD A-85000 BESS PKG

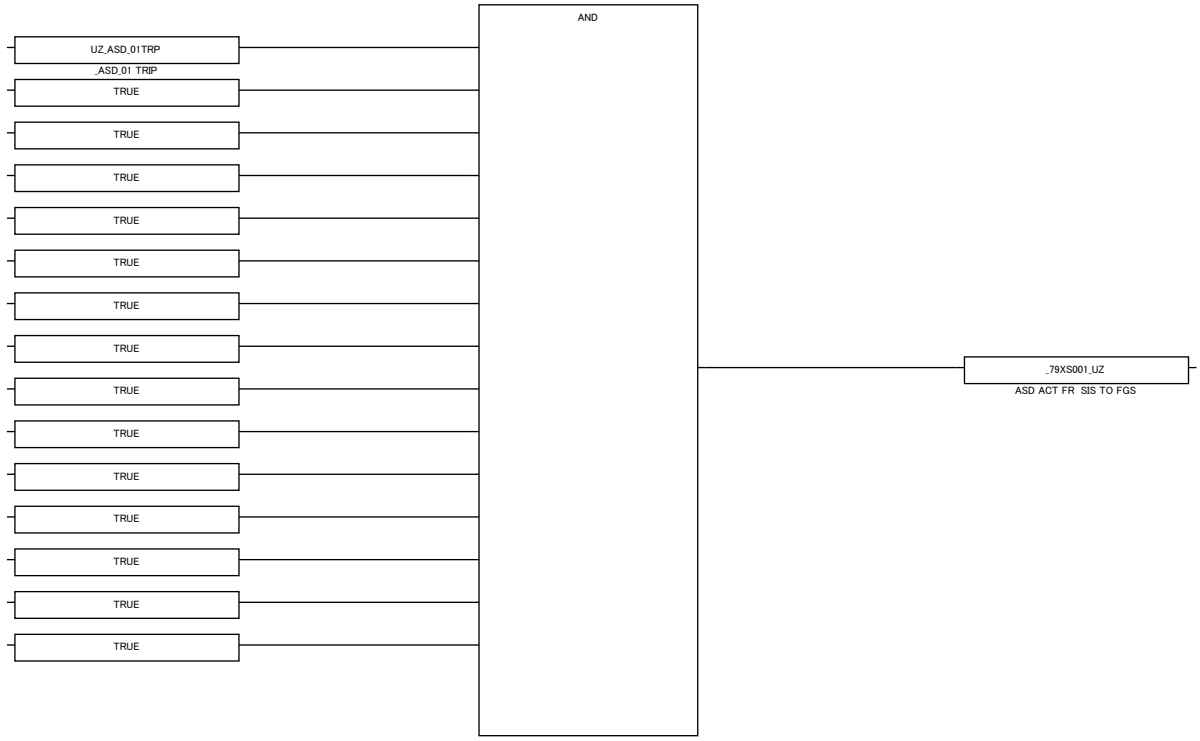

AND
_70XA001
ASD ACT FROM FGS SYS
UZ_ASD_01TRP
_ASD_01 TRIP
UZ_ESD1D_01TRP
_ESD1D_01 TRIP
_70XA002
ESD-1D ACT FROM FGS SYS
_70XA005
H2 CF IN OPEN AREA FR FGS SYS
UZ_ESD1D_02TRP
_ESD1D_02 TRIP
_70XA006
H2/SMOKE IN B-100 FR FGS SYS
_70XA007
H2/SMOKE IN B-200 FR FGS SYS
_70XA010
H2/SMOKE IN WTR.PGK FR FGS SYS
_79XA005_T1
LOSS OF ON-SHORE COMM
UZ_PSD_02TRP
_PSD_02 TRIP
_70XA003
S/D ELECT.PKG FR FGS SYS
UZ_ESD1_01TRP
_ESD1_01 TRIP
TRUE
TRUE
_20XS001_ANN
ANN
IN
SD A-20000 ELEC PKG
_20XS001.v
SD A-20000 ELEC PKG





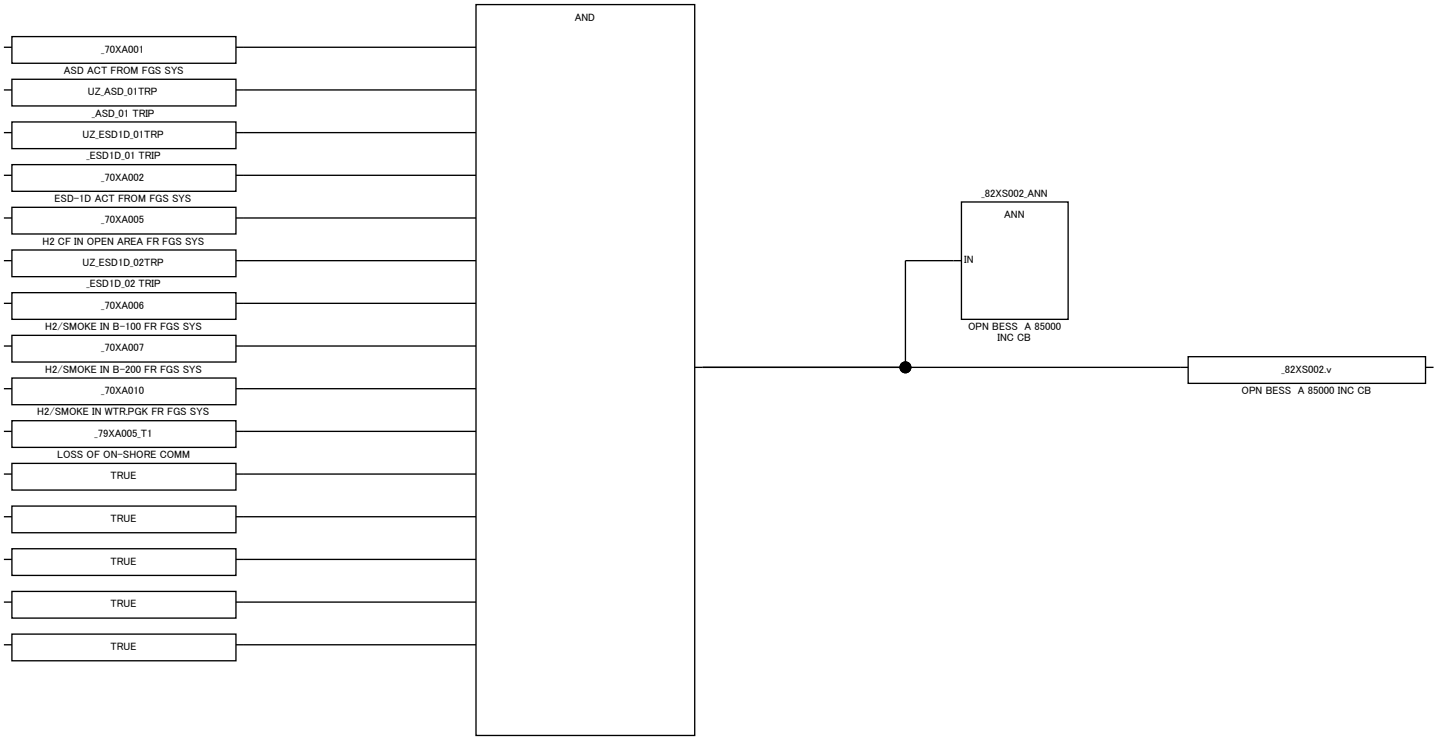
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 46
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

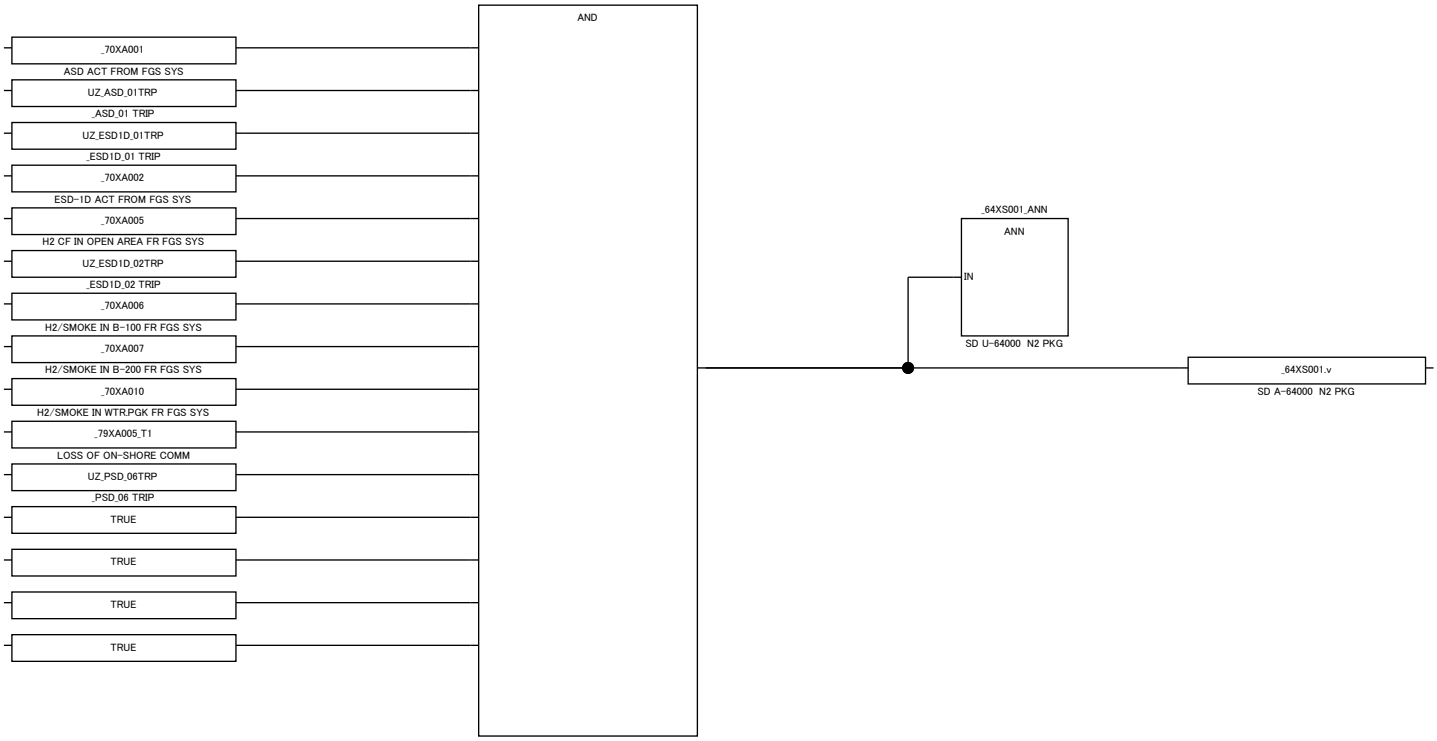




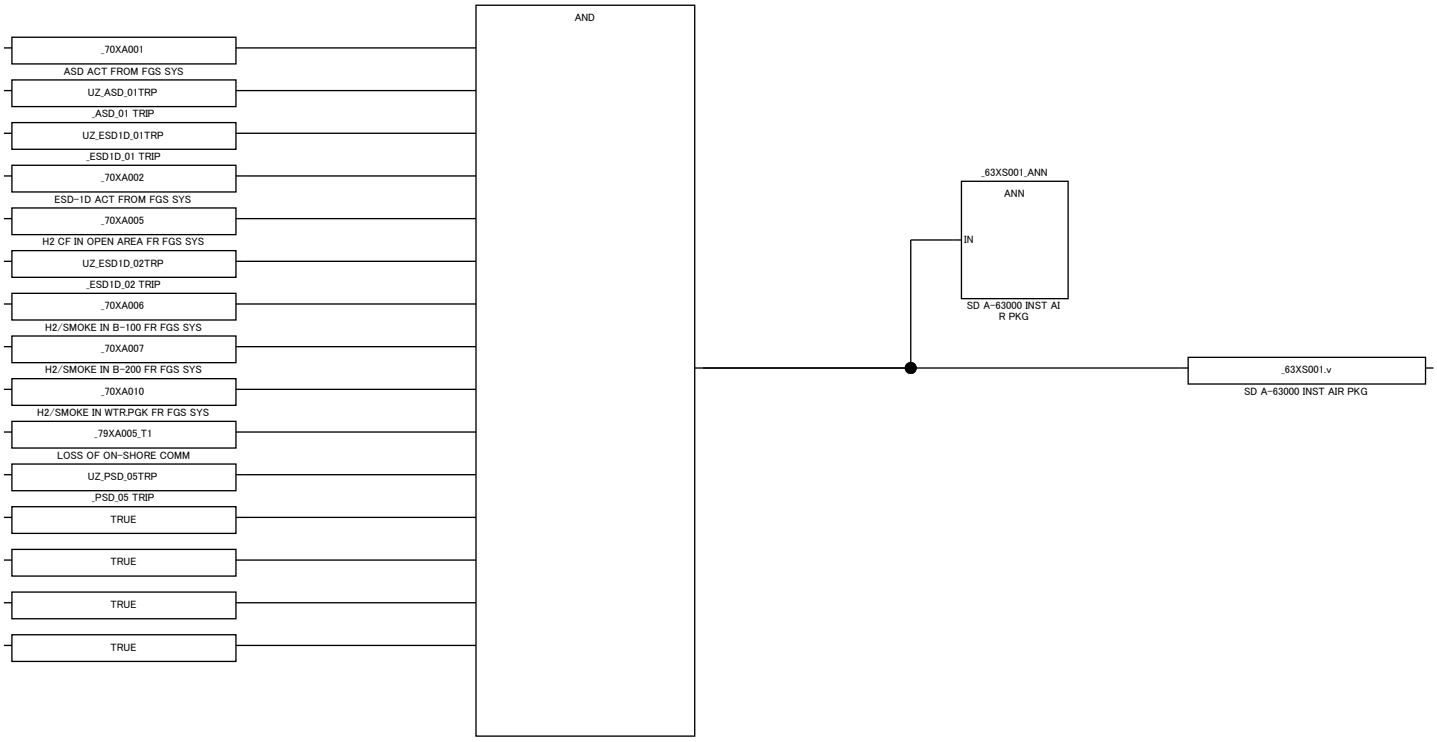
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 47
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

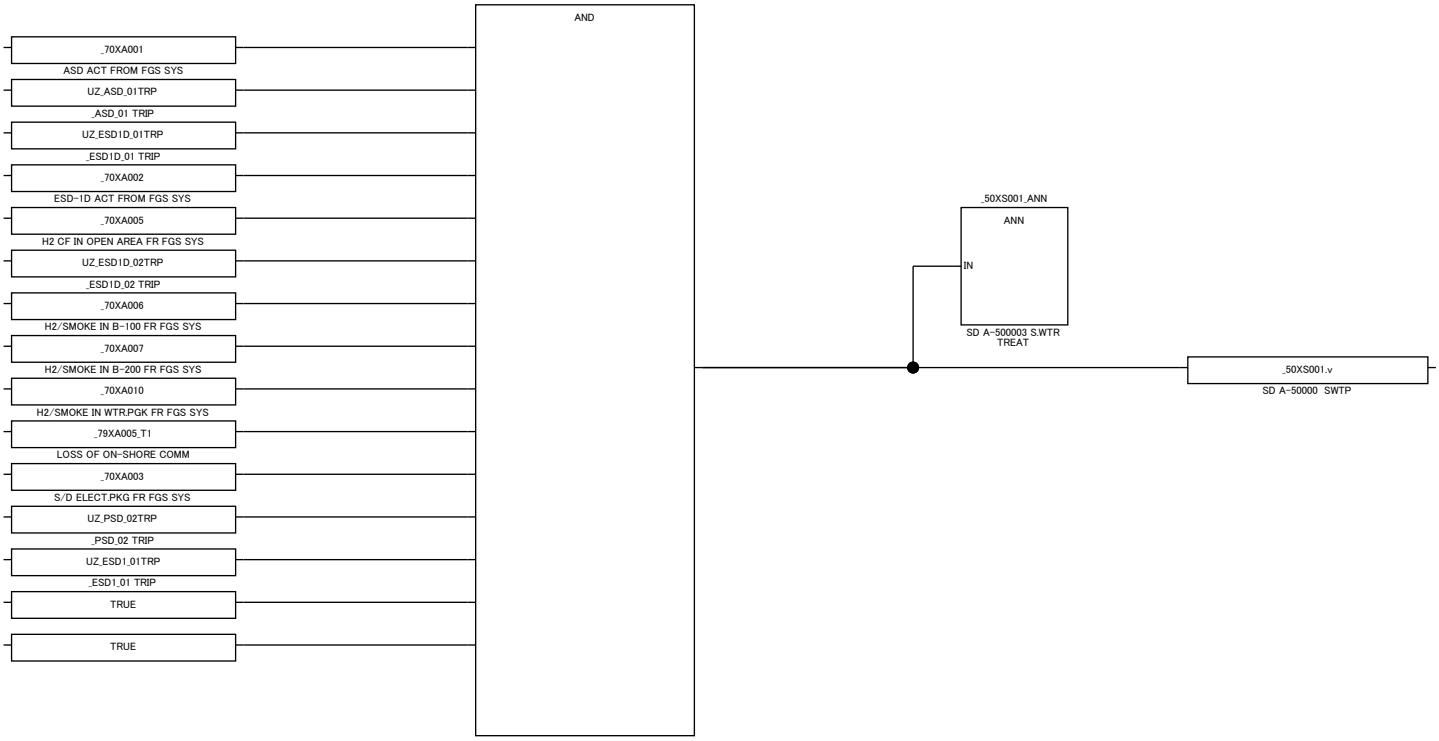
1.18. DO_02(* Digital Output Processing *)

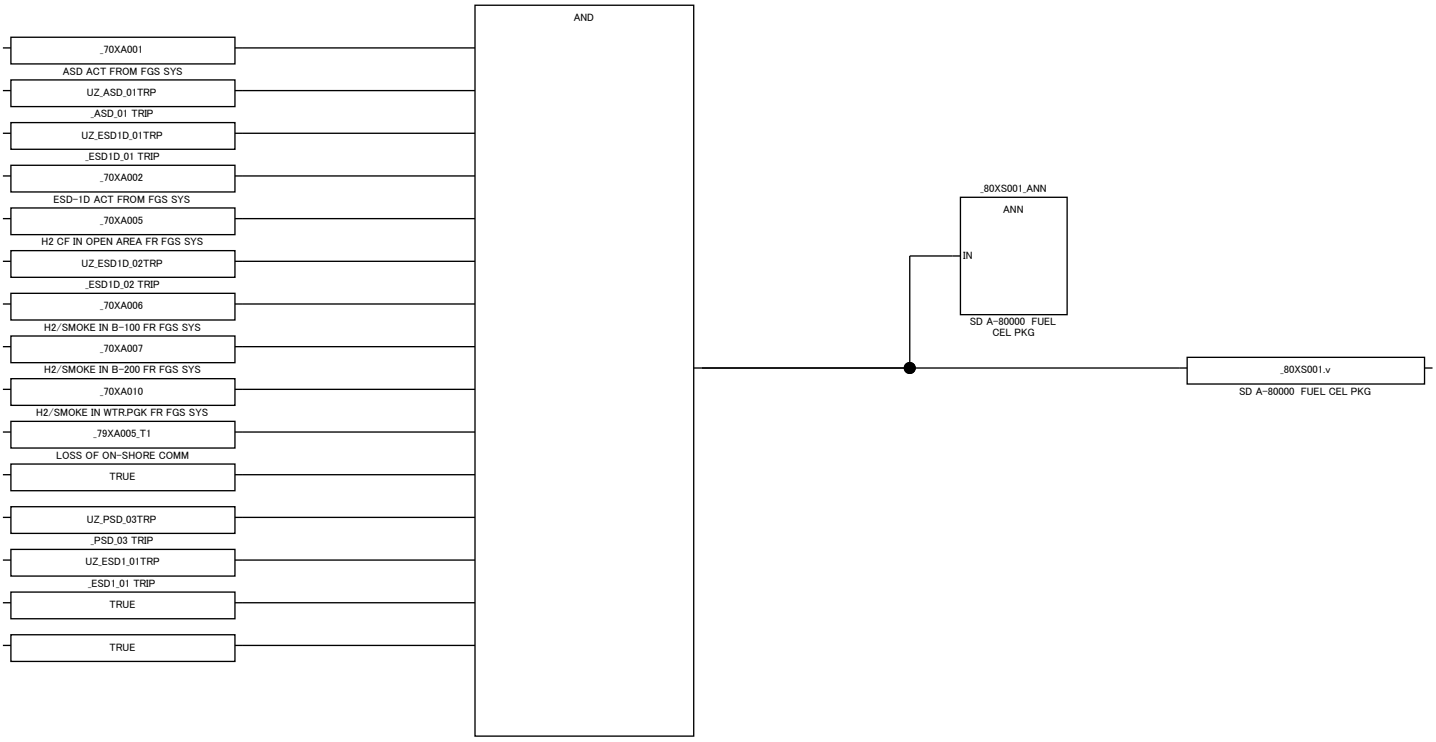


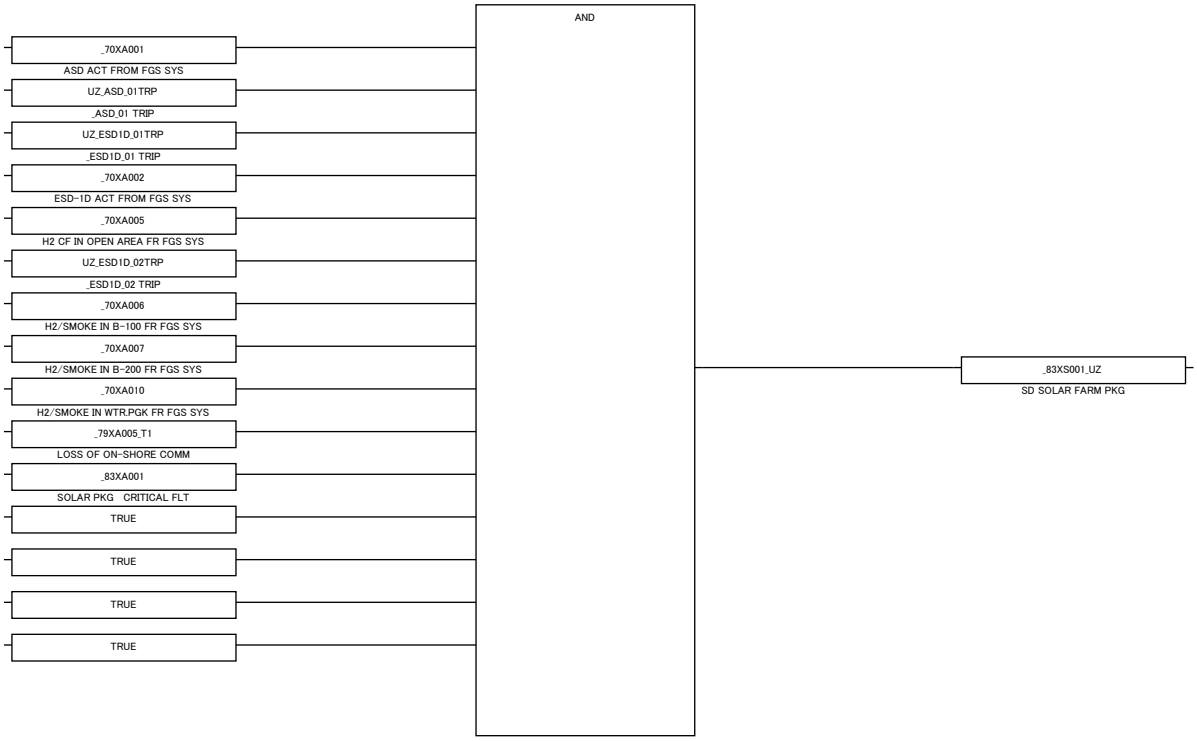


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 48
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

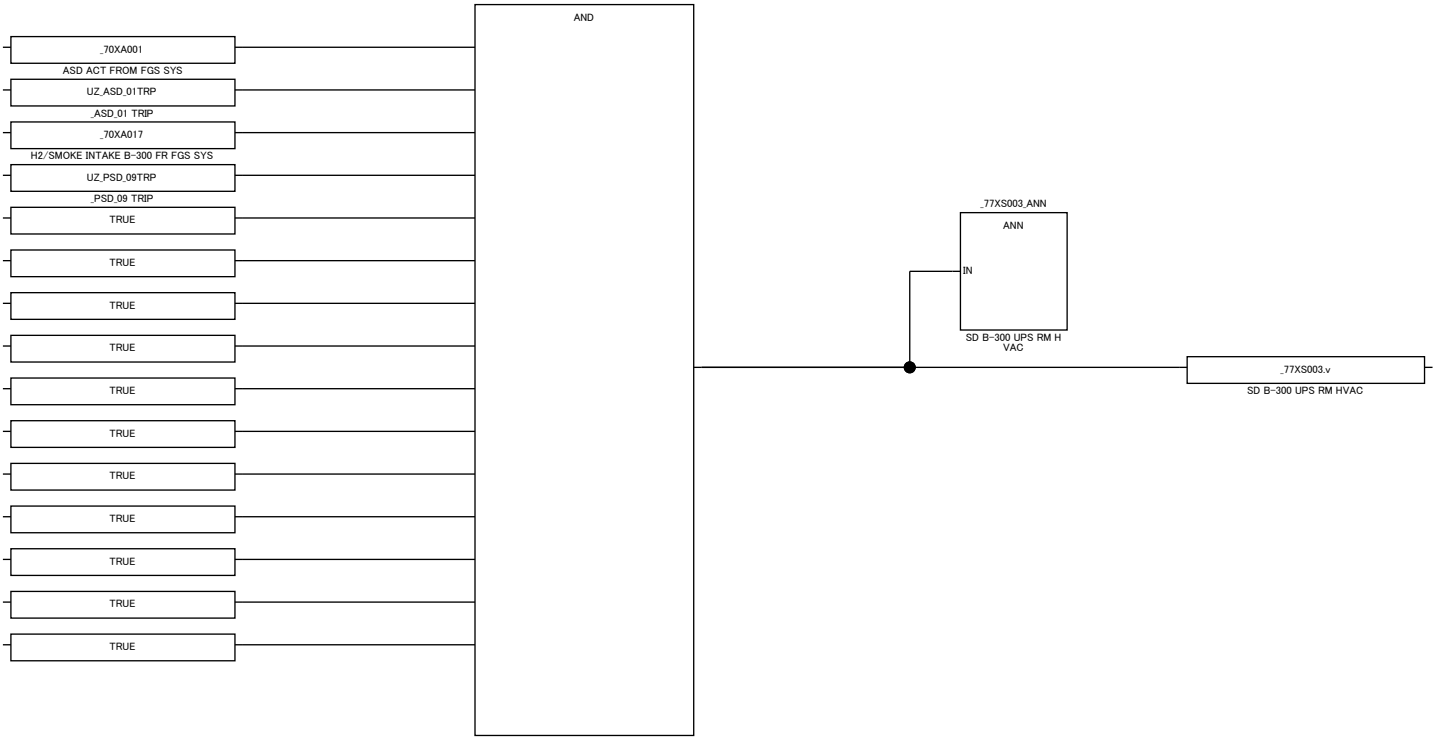

AND
_70XA001
ASD ACT FROM FGS SYS
UZ_ASD_01TRP
_ASD_01 TRIP
UZ_ESD1D_01TRP
_ESD1D_01 TRIP
_70XA002
ESD-1D ACT FROM FGS SYS
_70XA005
H2 CF IN OPEN AREA FR FGS SYS
UZ_ESD1D_02TRP
_ESD1D_02 TRIP
_70XA006
H2/SMOKE IN B-100 FR FGS SYS
_70XA007
H2/SMOKE IN B-200 FR FGS SYS
_70XA010
H2/SMOKE IN WTR.PGK FR FGS SYS
_79XA005_T1
LOSS OF ON-SHORE COMM
UZ_PSD_05TRP
_PSD_05 TRIP
TRUE
TRUE
TRUE
TRUE
_63XS001_ANN
ANN
IN
SD A-63000 INST AI R PKG
_63XS001.v
SD A-63000 INST AIR PKG

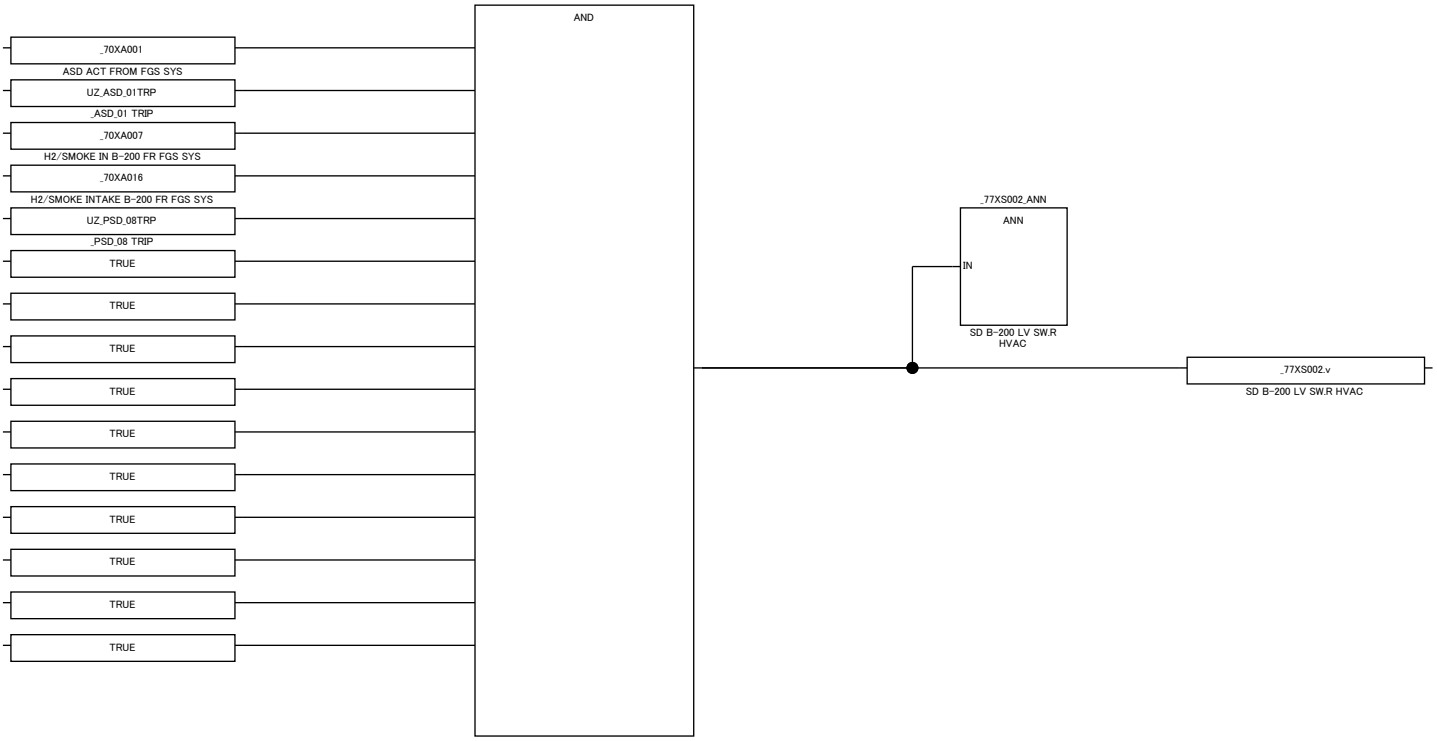

AND
_70XA001
ASD ACT FROM FGS SYS
UZ_ASD_01TRP
_ASD_01 TRIP
UZ_ESD1D_01TRP
_ESD1D_01 TRIP
_70XA002
ESD-1D ACT FROM FGS SYS
_70XA005
H2 CF IN OPEN AREA FR FGS SYS
UZ_ESD1D_02TRP
_ESD1D_02 TRIP
_70XA006
H2/SMOKE IN B-100 FR FGS SYS
_70XA007
H2/SMOKE IN B-200 FR FGS SYS
_70XA010
H2/SMOKE IN WTR.PGK FR FGS SYS
_79XA005_T1
LOSS OF ON-SHORE COMM
_70XA003
S/D ELECT.PKG FR FGS SYS
UZ_PSD_02TRP
_PSD_02 TRIP
UZ_ESD1_01TRP
_ESD1_01 TRIP
TRUE
TRUE
_50XS001_ANN
ANN
IN
SD A-500003 S.WTR TREAT
_50XS001.v
SD A-50000 SWTP

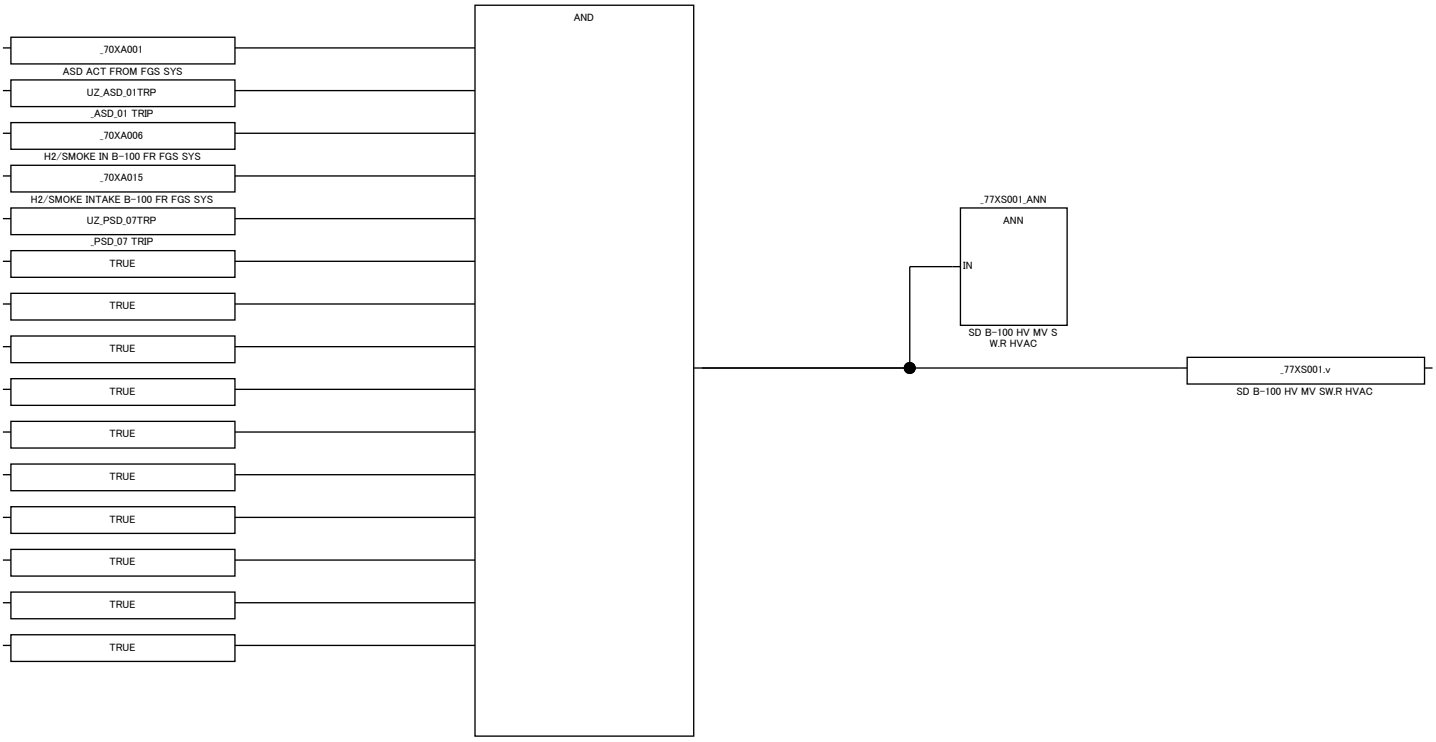

AND
_70XA001
ASD ACT FROM FGS SYS
UZ_ASD_01TRP
_ASD_01 TRIP
UZ_ESD1D_01TRP
_ESD1D_01 TRIP
_70XA002
ESD-1D ACT FROM FGS SYS
_70XA005
H2 CF IN OPEN AREA FR FGS SYS
UZ_ESD1D_02TRP
_ESD1D_02 TRIP
_70XA006
H2/SMOKE IN B-100 FR FGS SYS
_70XA007
H2/SMOKE IN B-200 FR FGS SYS
_70XA010
H2/SMOKE IN WTR.PGK FR FGS SYS
_79XA005_T1
LOSS OF ON-SHORE COMM
TRUE
UZ_PSD_03TRP
_PSD_03 TRIP
UZ_ESD1_01TRP
_ESD1_01 TRIP
TRUE
TRUE
_80XS001_ANN
ANN
IN
SD A-80000 FUEL CEL PKG
_80XS001.v
SD A-80000 FUEL CEL PKG

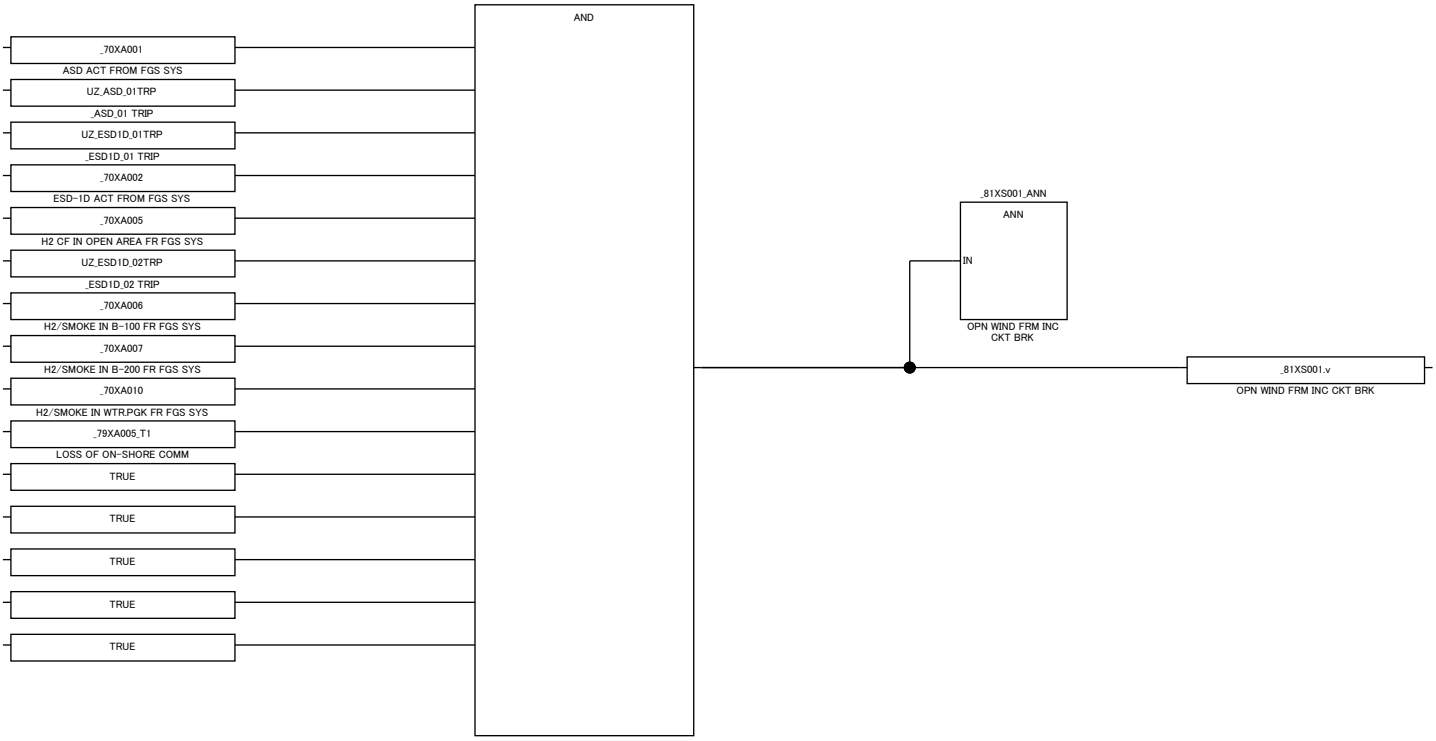

AND
_70XA001
ASD ACT FROM FGS SYS
UZ_ASD_01TRP
_ASD_01 TRIP
UZ_ESD1D_01TRP
_ESD1D_01 TRIP
_70XA002
ESD-1D ACT FROM FGS SYS
_70XA005
H2 CF IN OPEN AREA FR FGS SYS
UZ_ESD1D_02TRP
_ESD1D_02 TRIP
_70XA006
H2/SMOKE IN B-100 FR FGS SYS
_70XA007
H2/SMOKE IN B-200 FR FGS SYS
_70XA010
H2/SMOKE IN WTR.PGK FR FGS SYS
_79XA005_T1
LOSS OF ON-SHORE COMM
_83XA001
SOLAR PKG CRITICAL FLT
TRUE
TRUE
TRUE
TRUE
_83XS001_UZ
SD SOLAR FARM PKG

1.19. DO_03(* Digital Output Processing *)

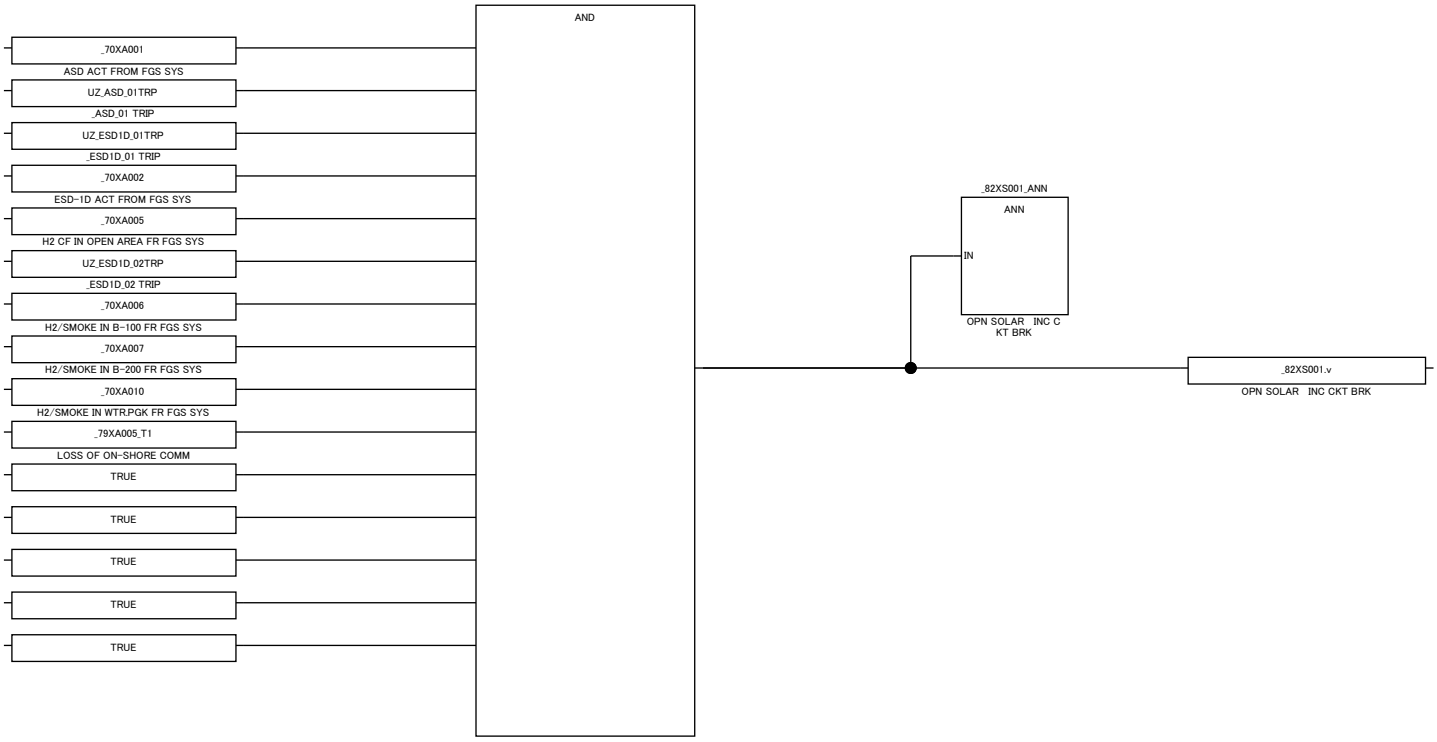


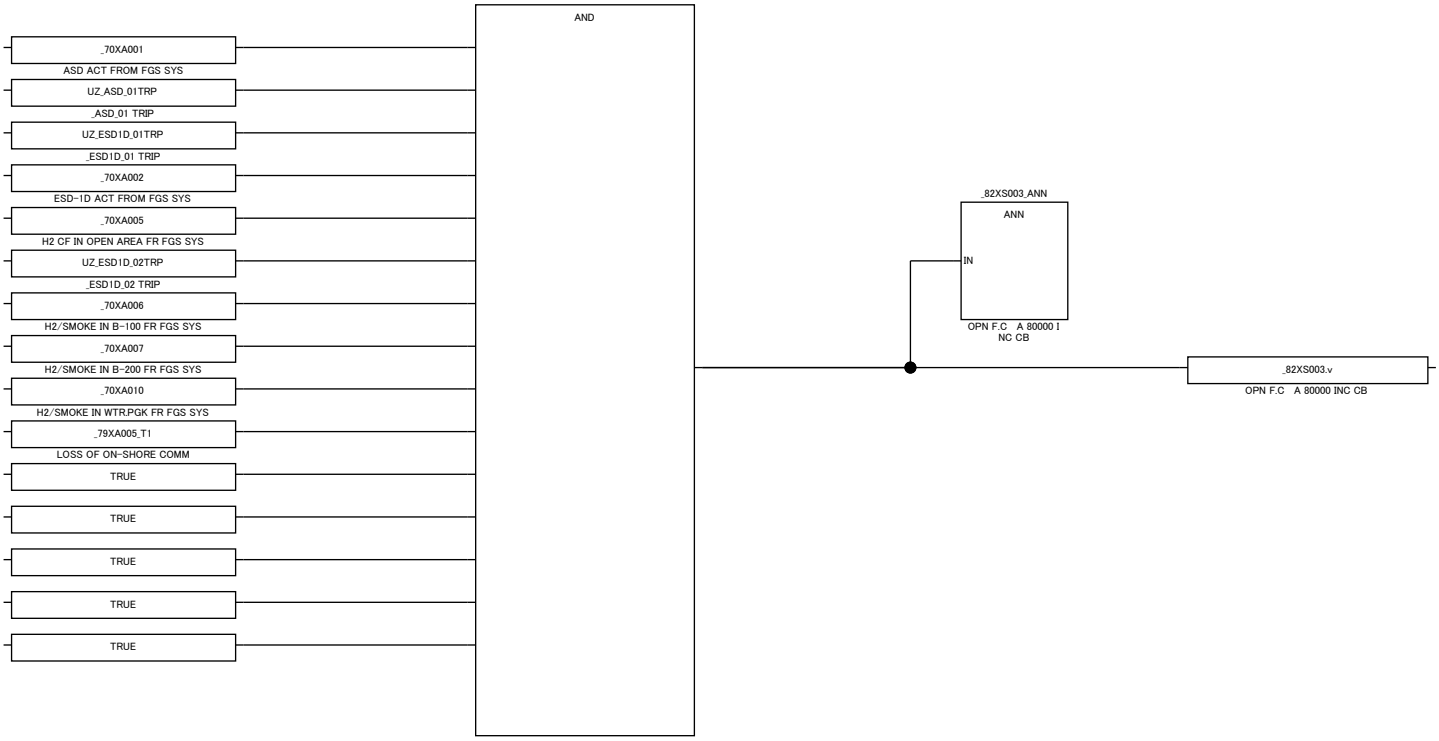






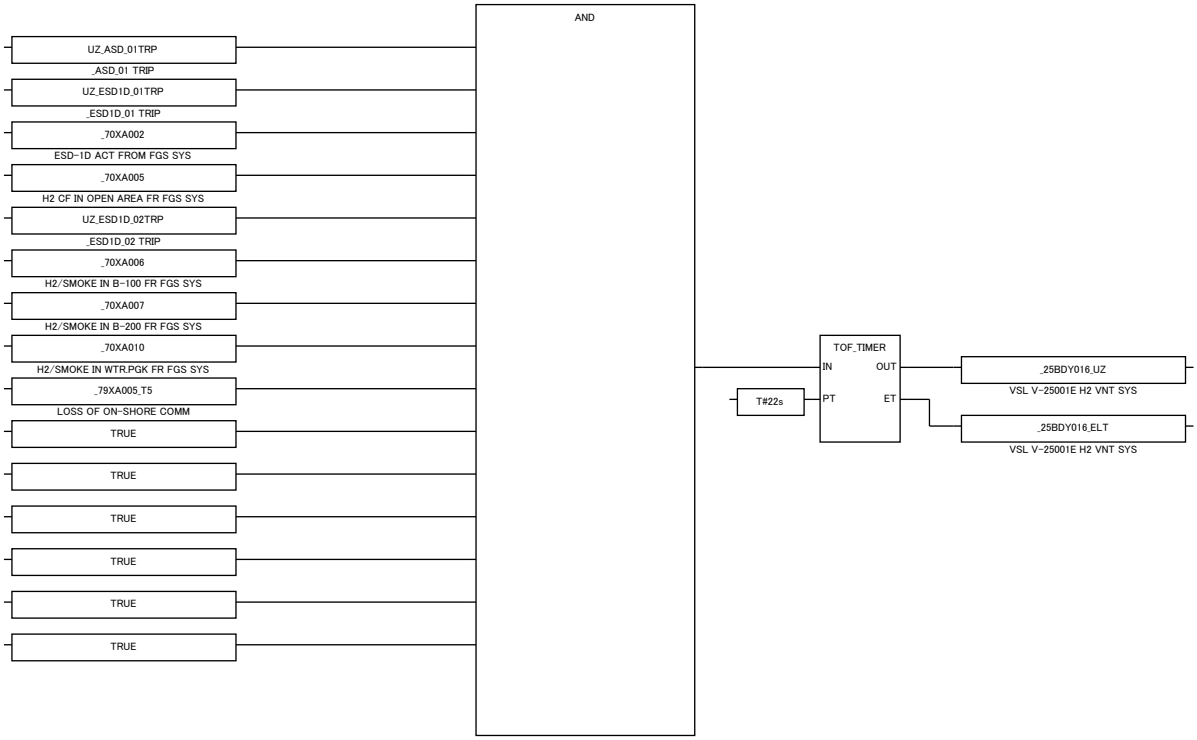
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 52
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

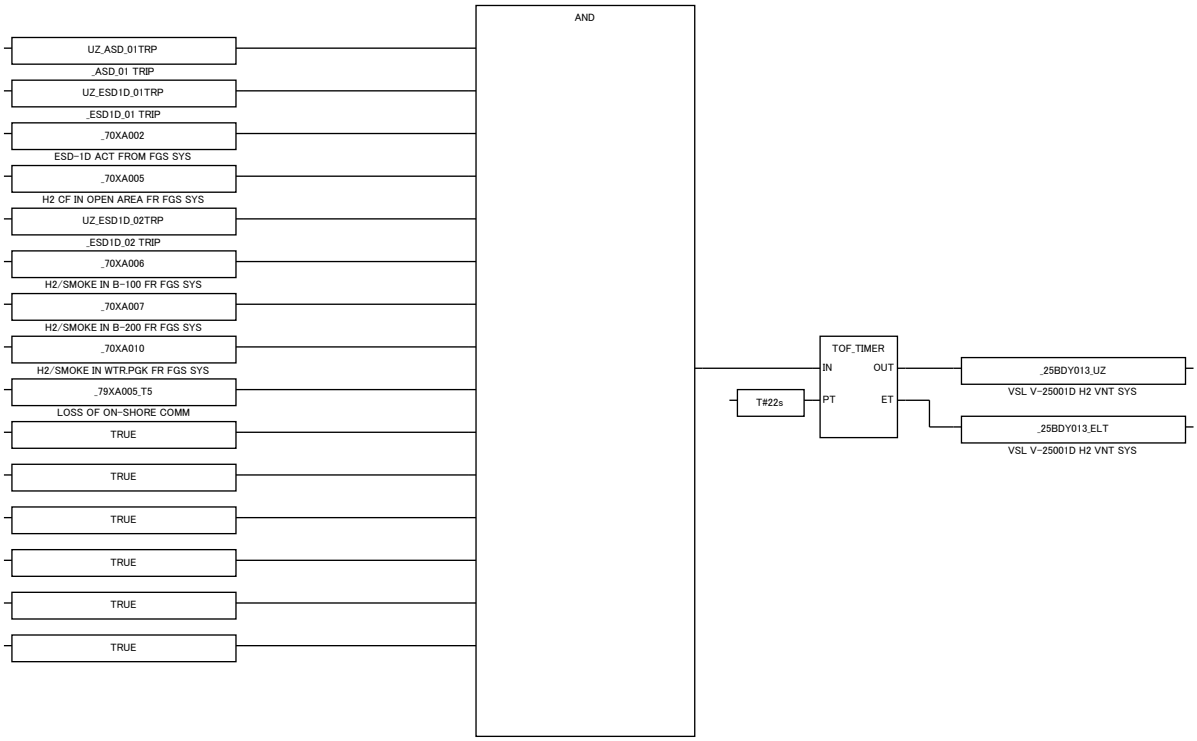


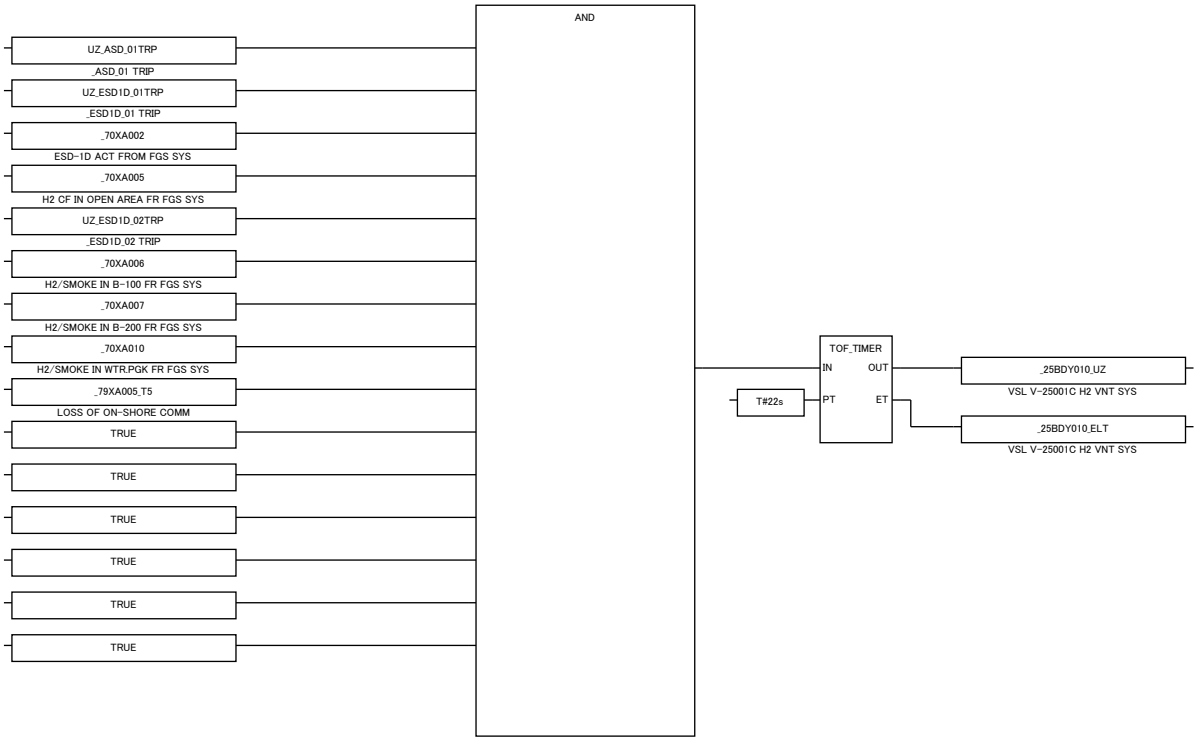


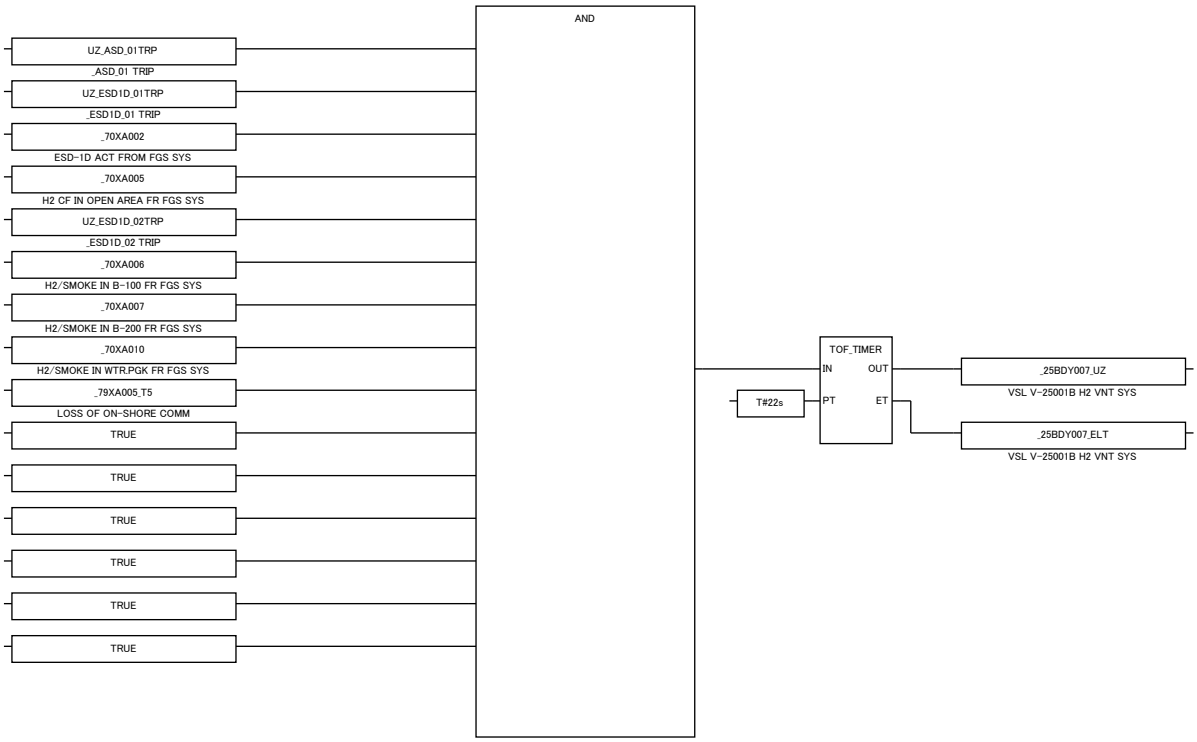
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 53
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

1.20. DO_04(* Digital Output Processing *)

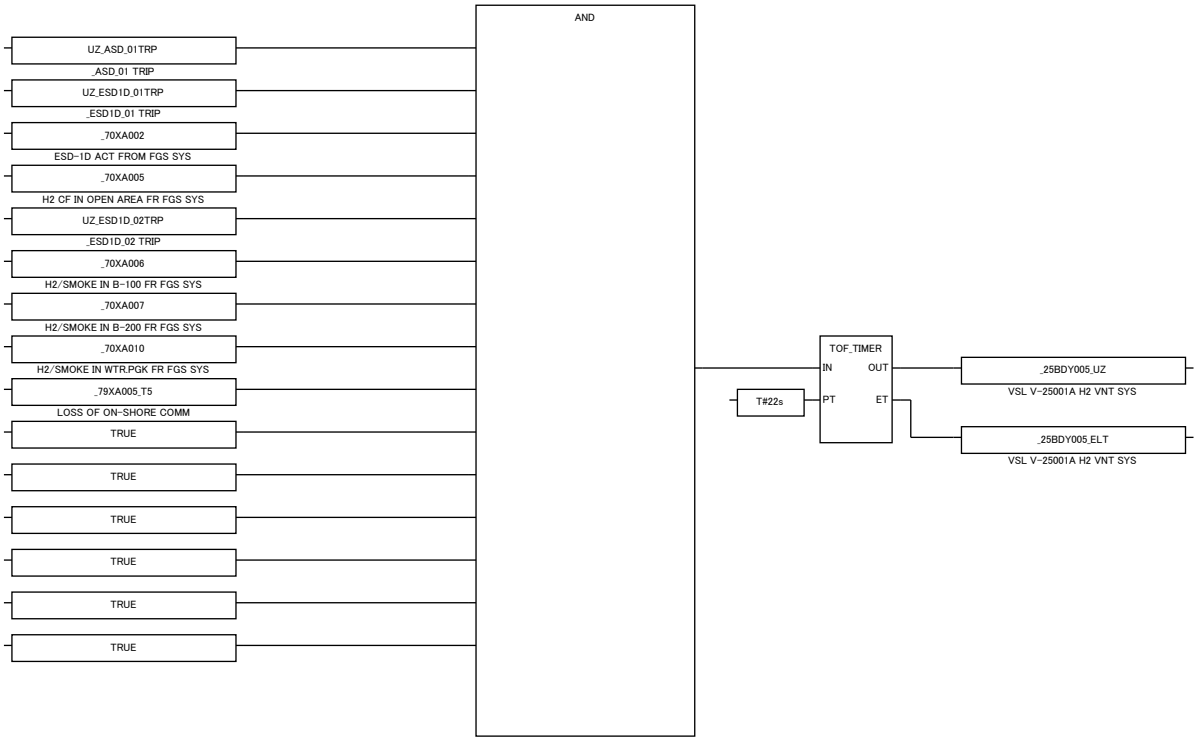


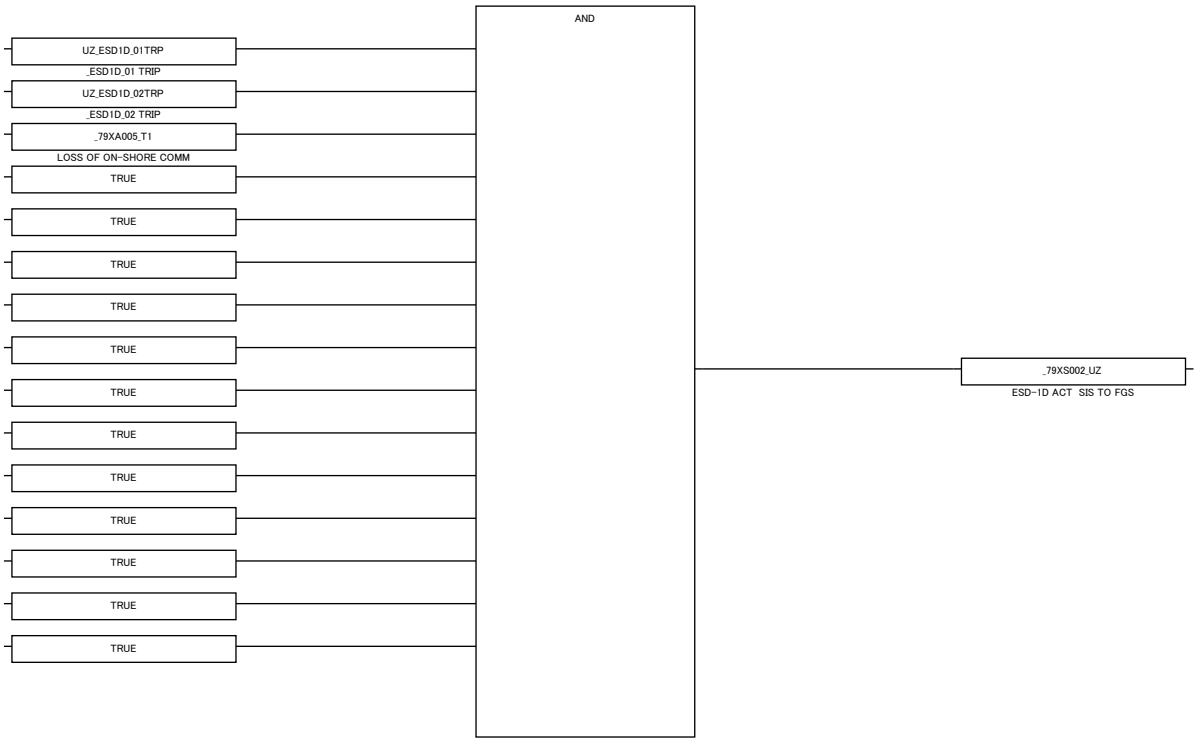




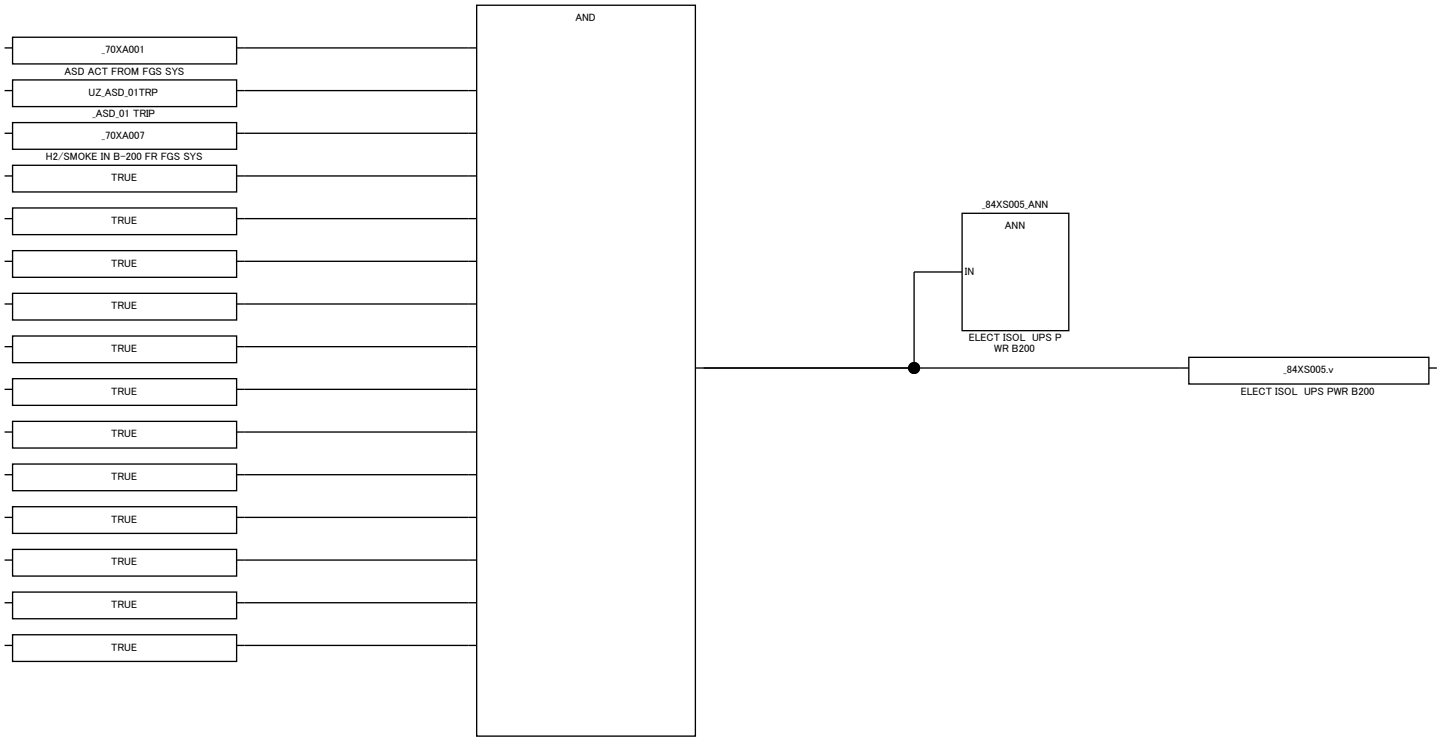


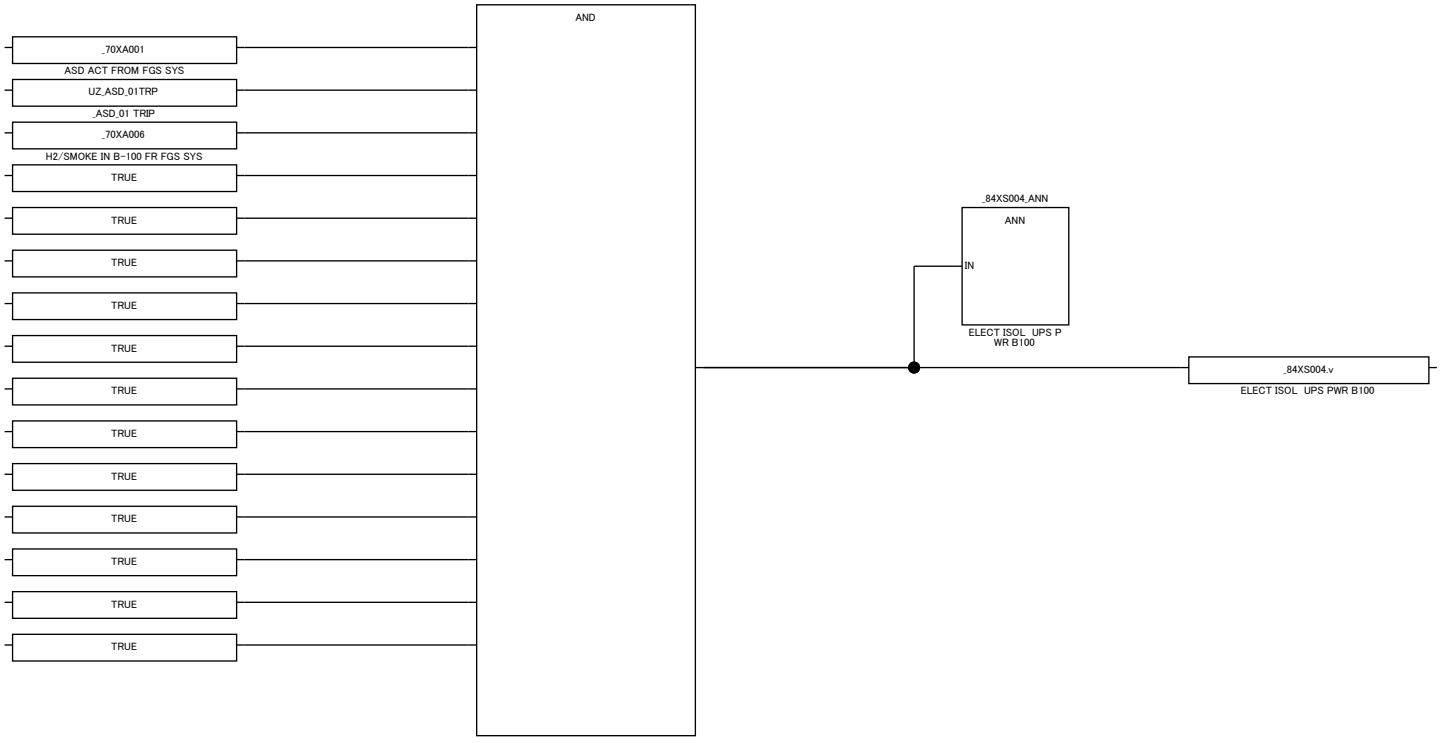
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 55
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



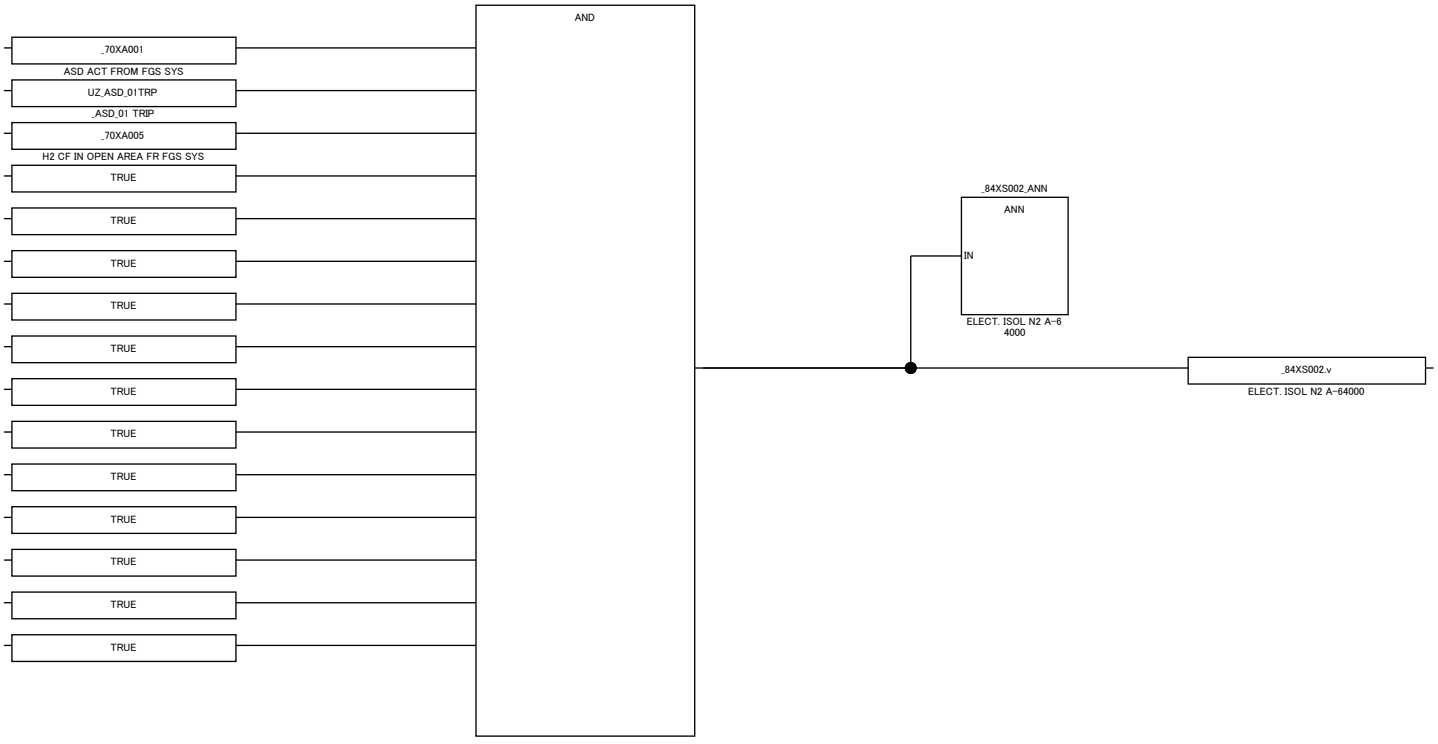


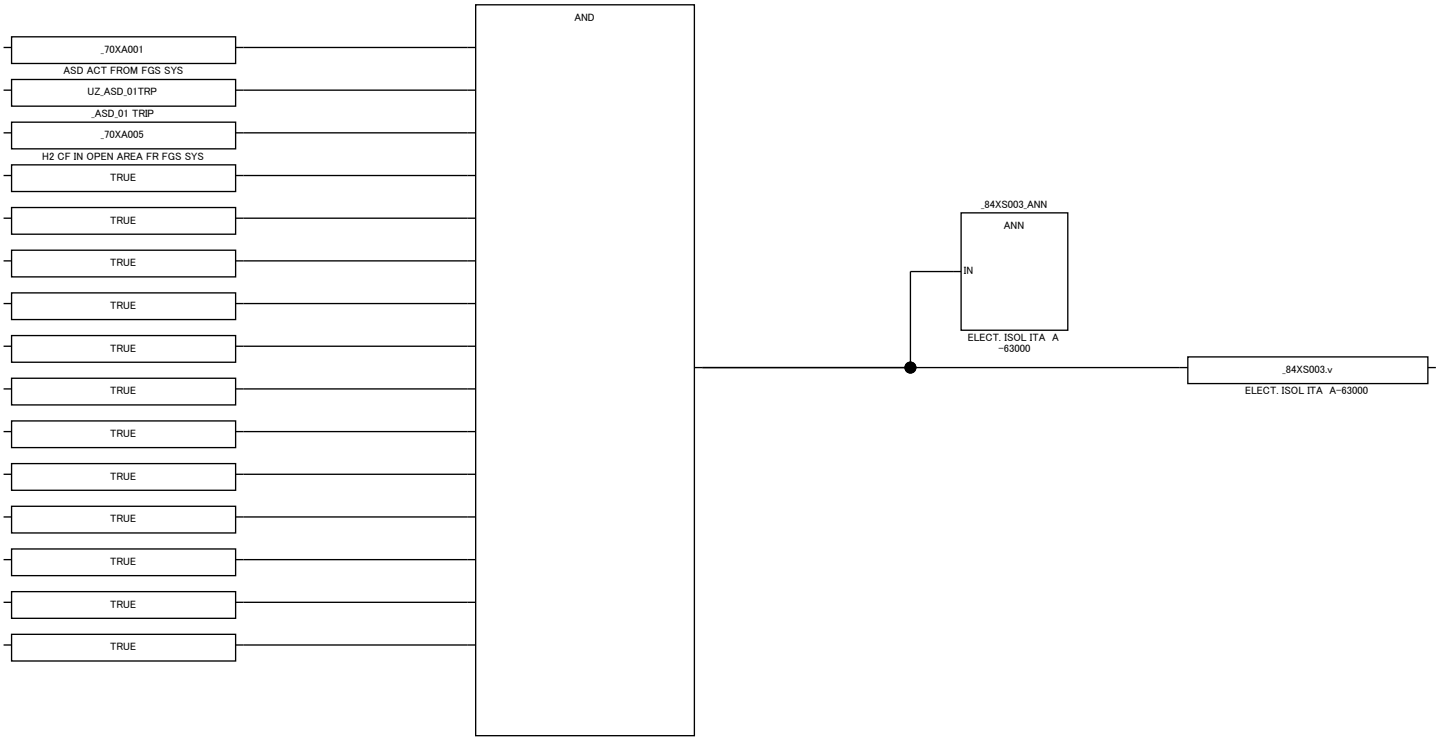
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 56
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



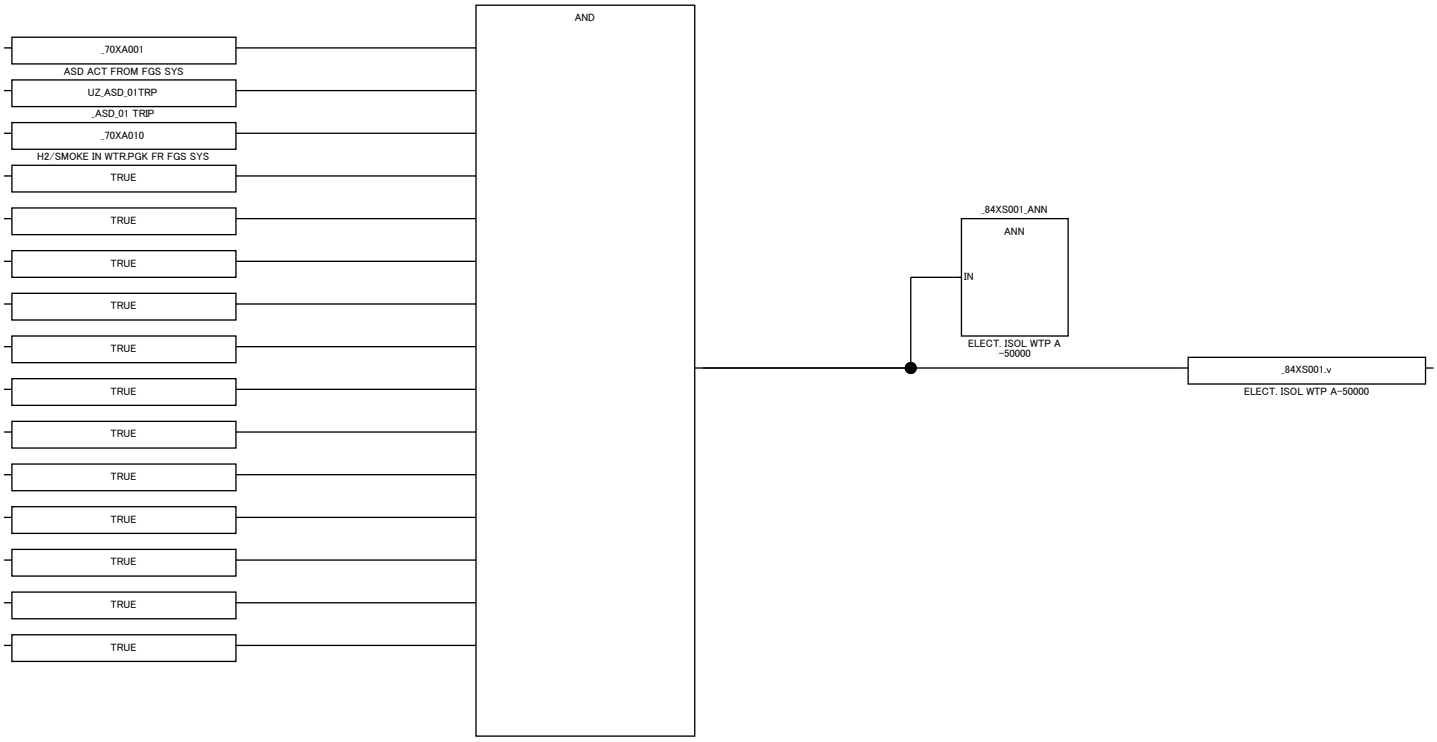


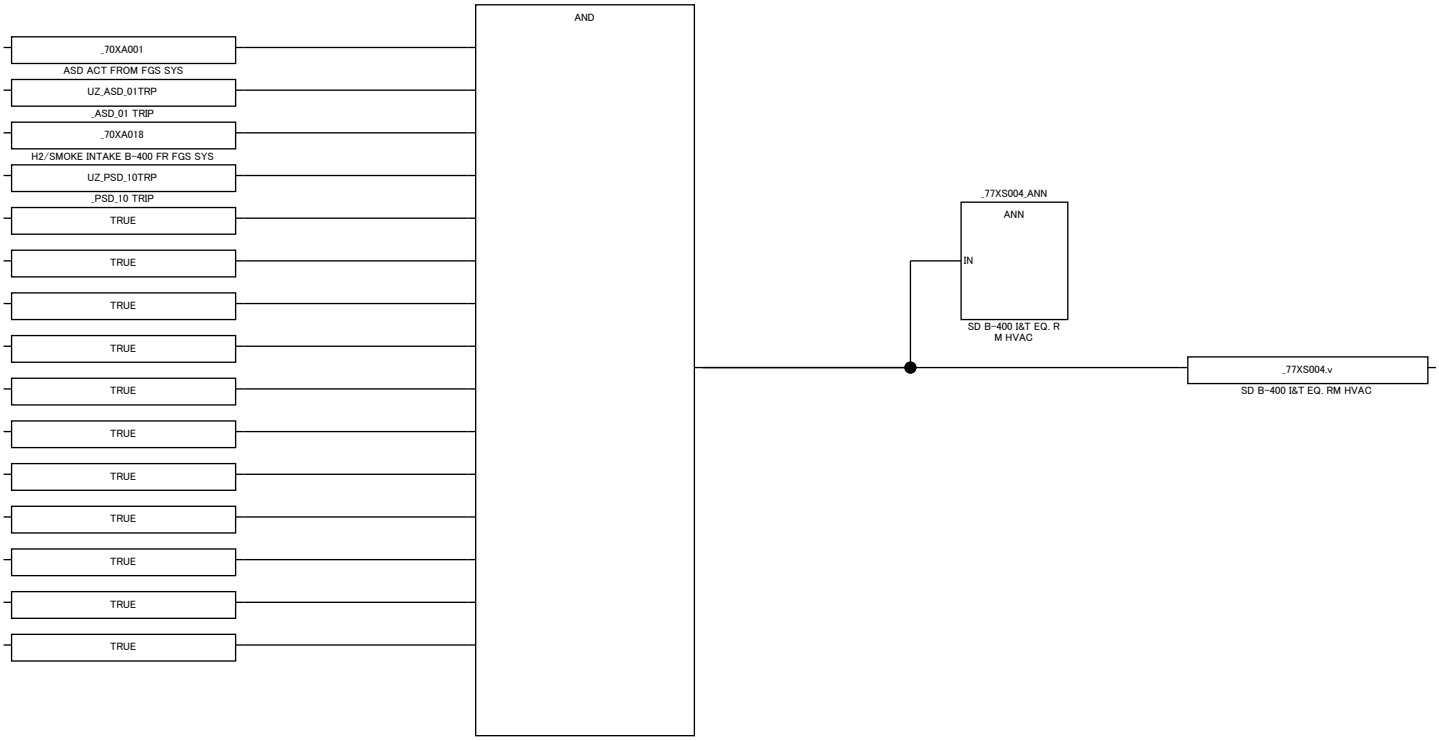
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 57
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		





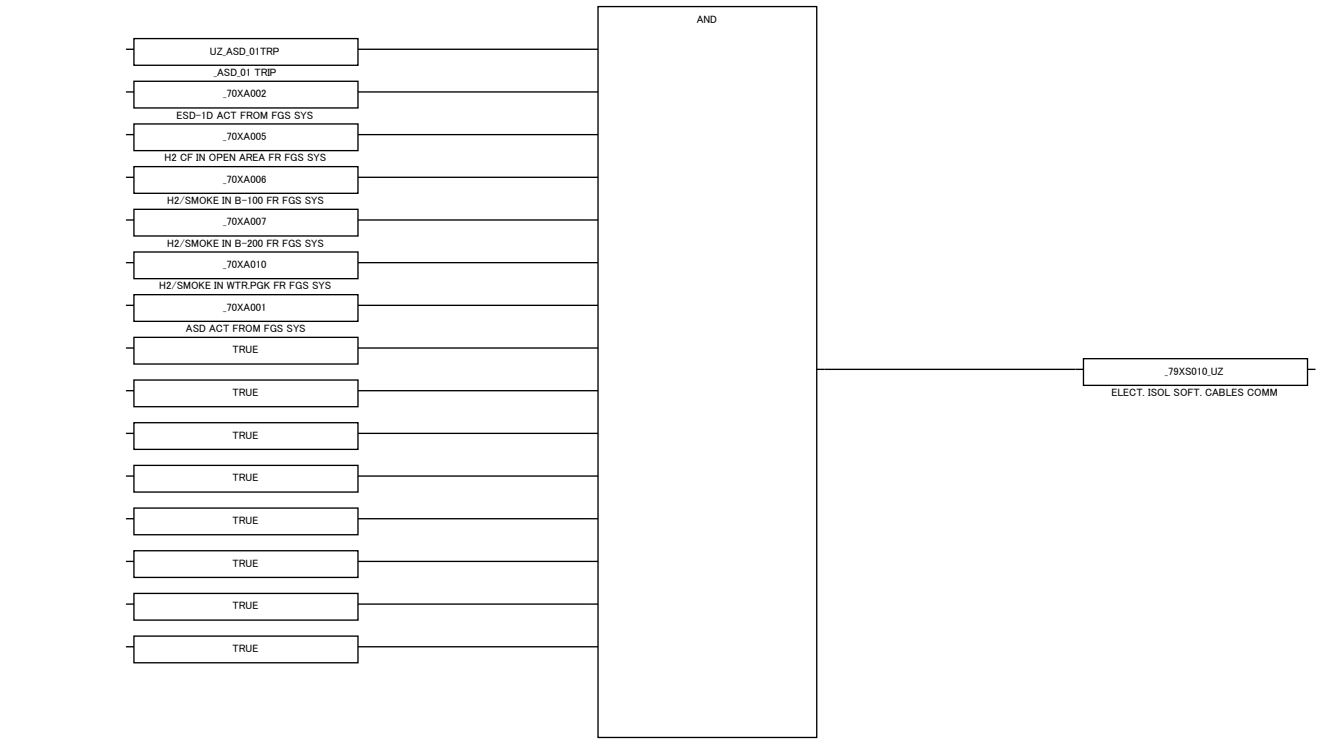
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 58
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

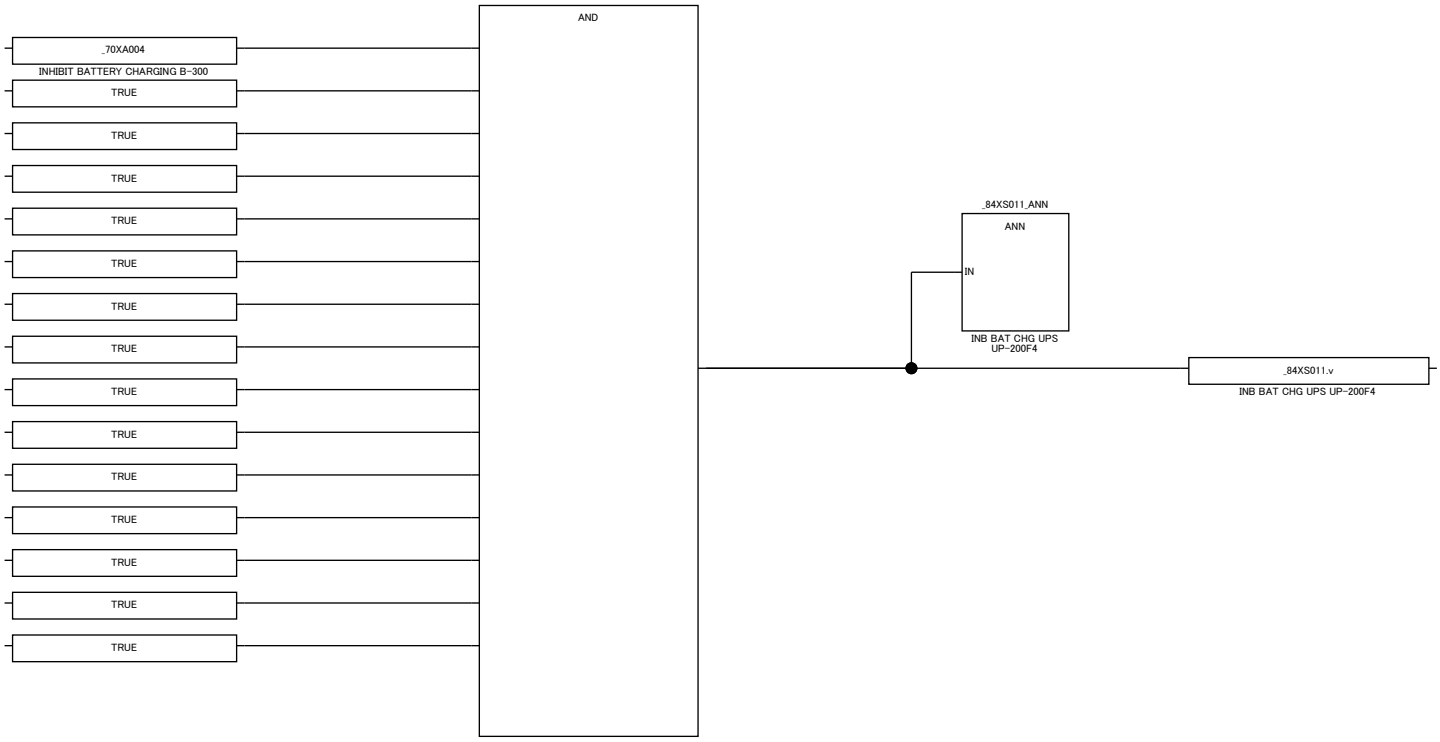




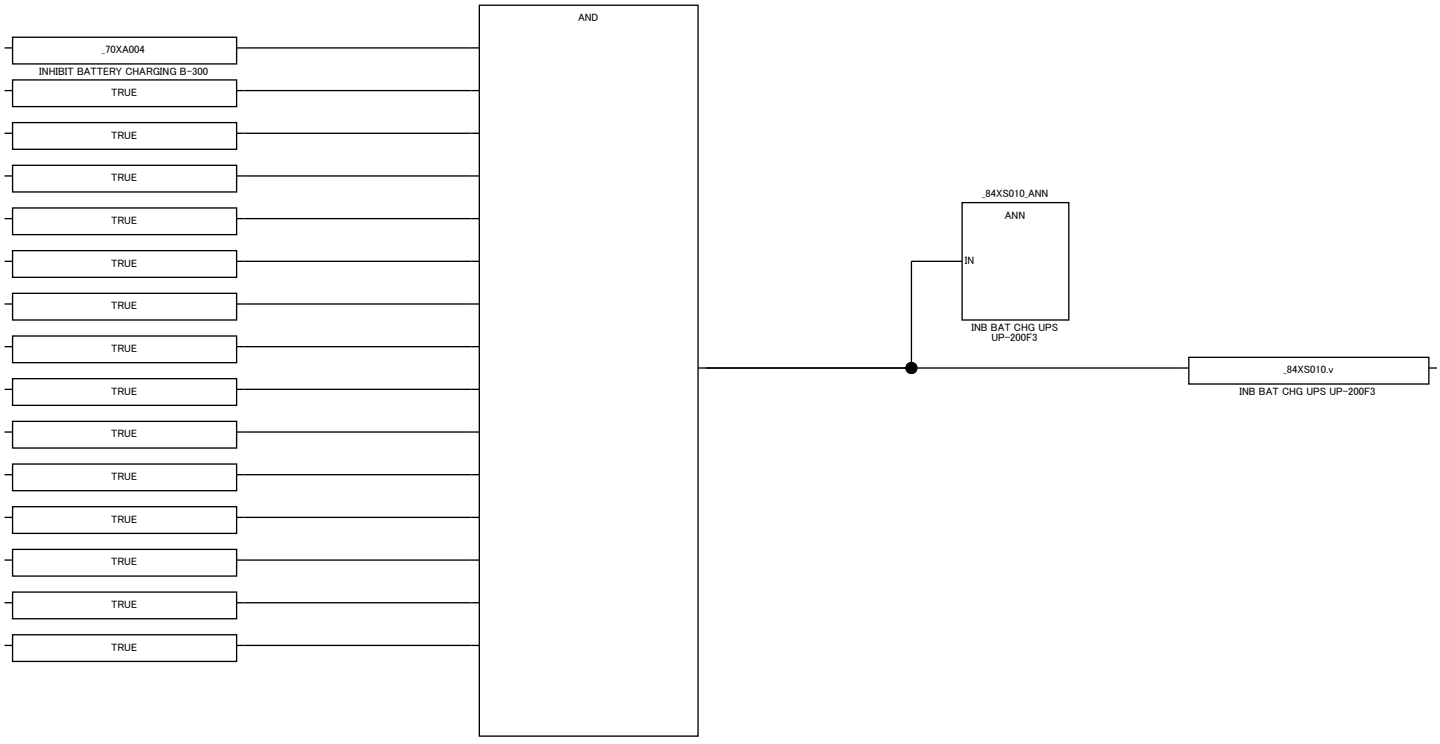
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 59
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

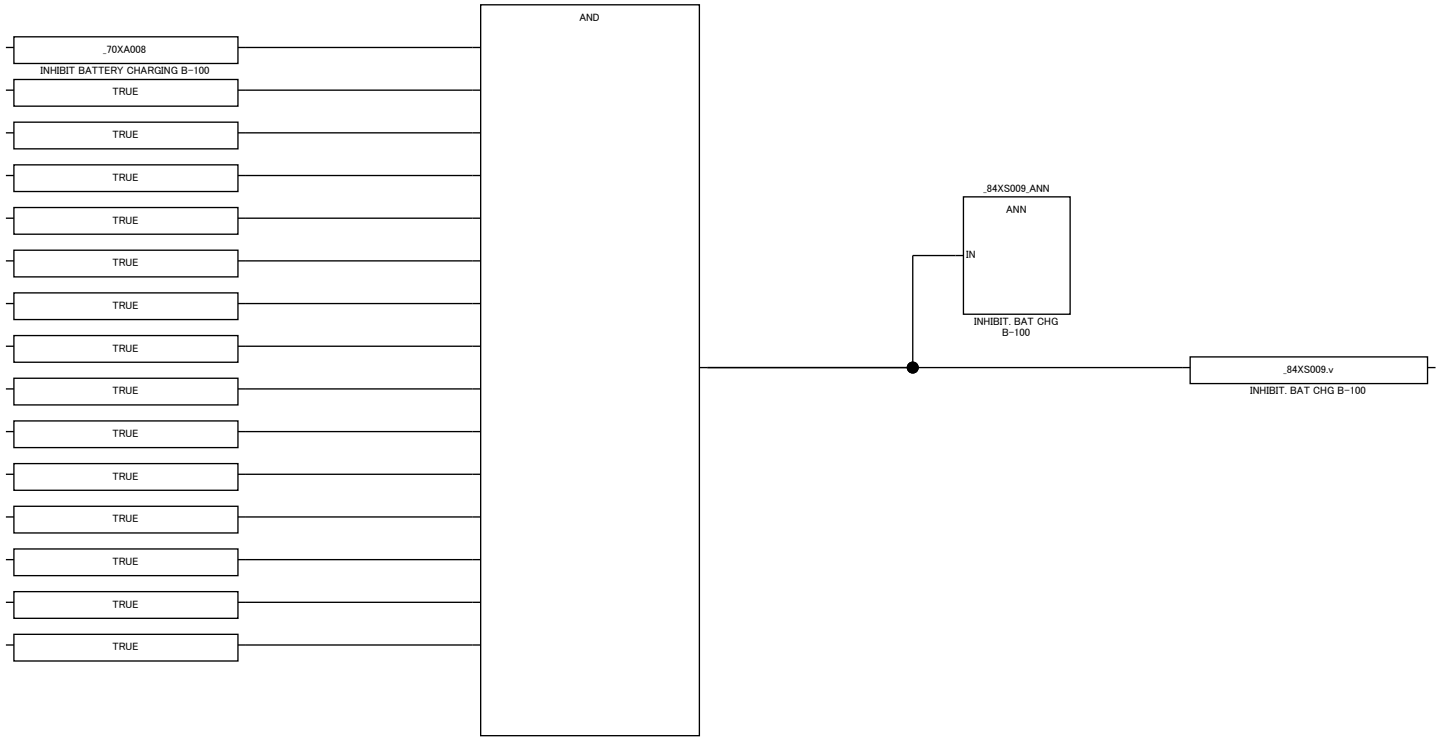
1.21. DO_05(* Digital Output Processing *)



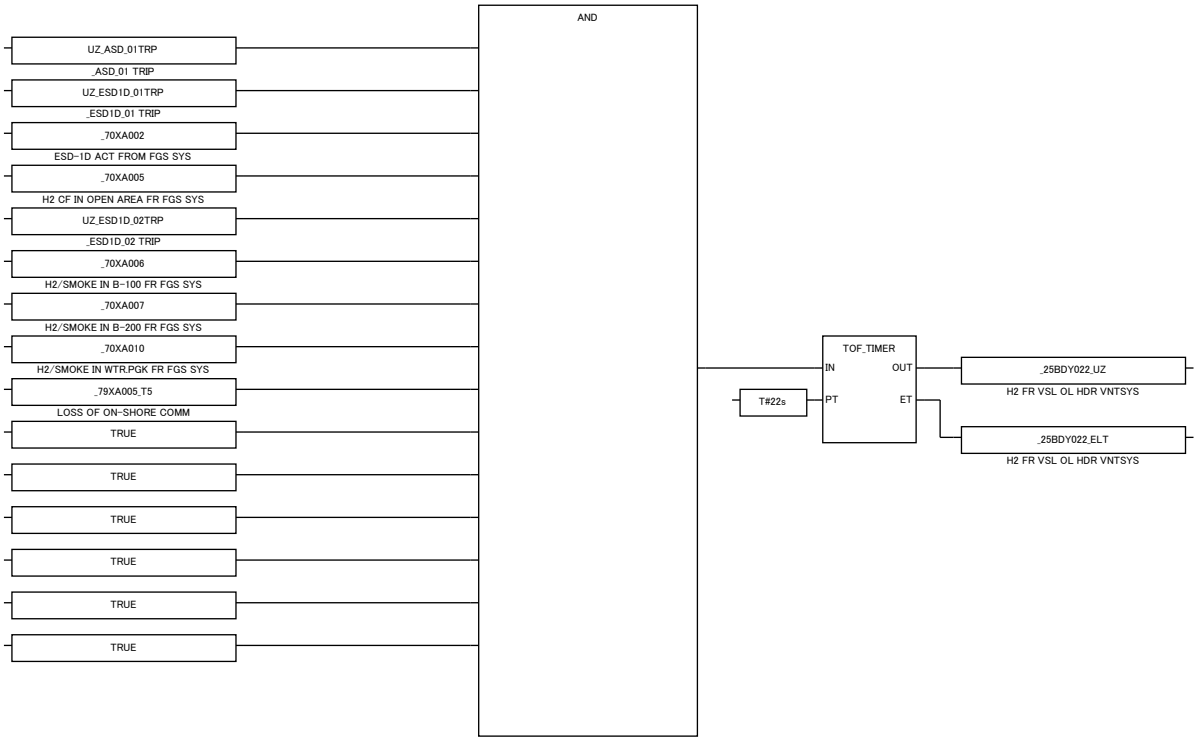


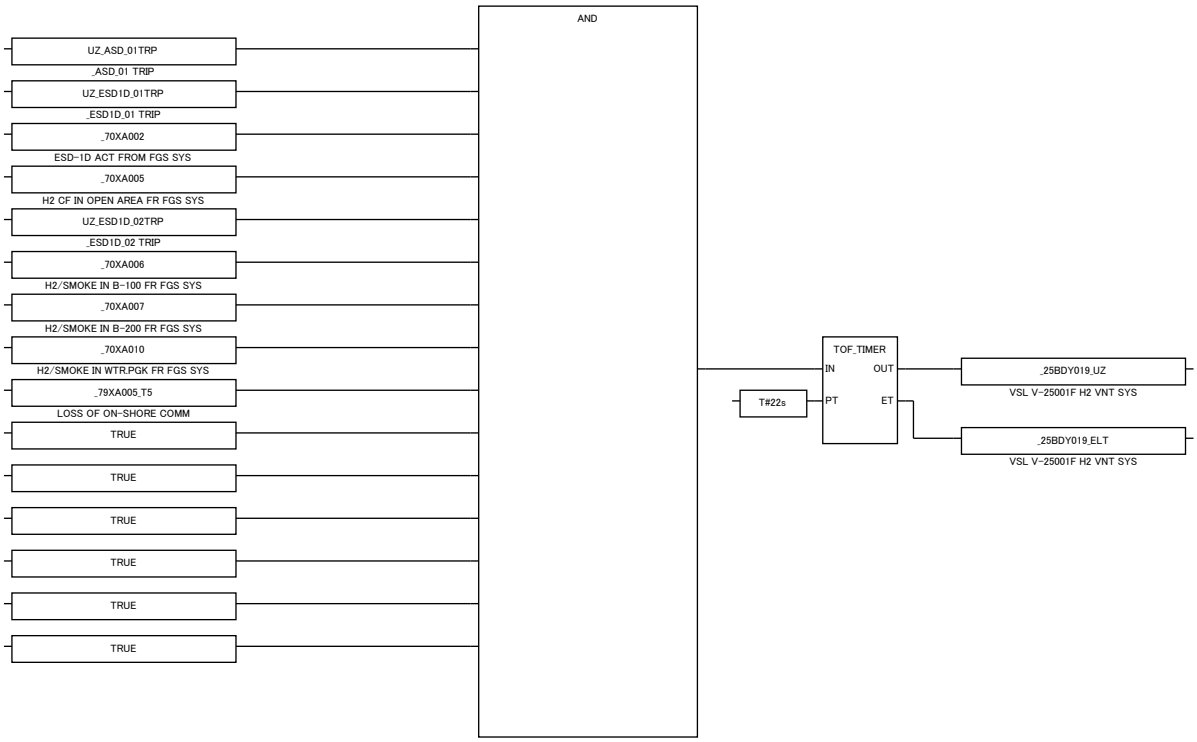
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 60
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		





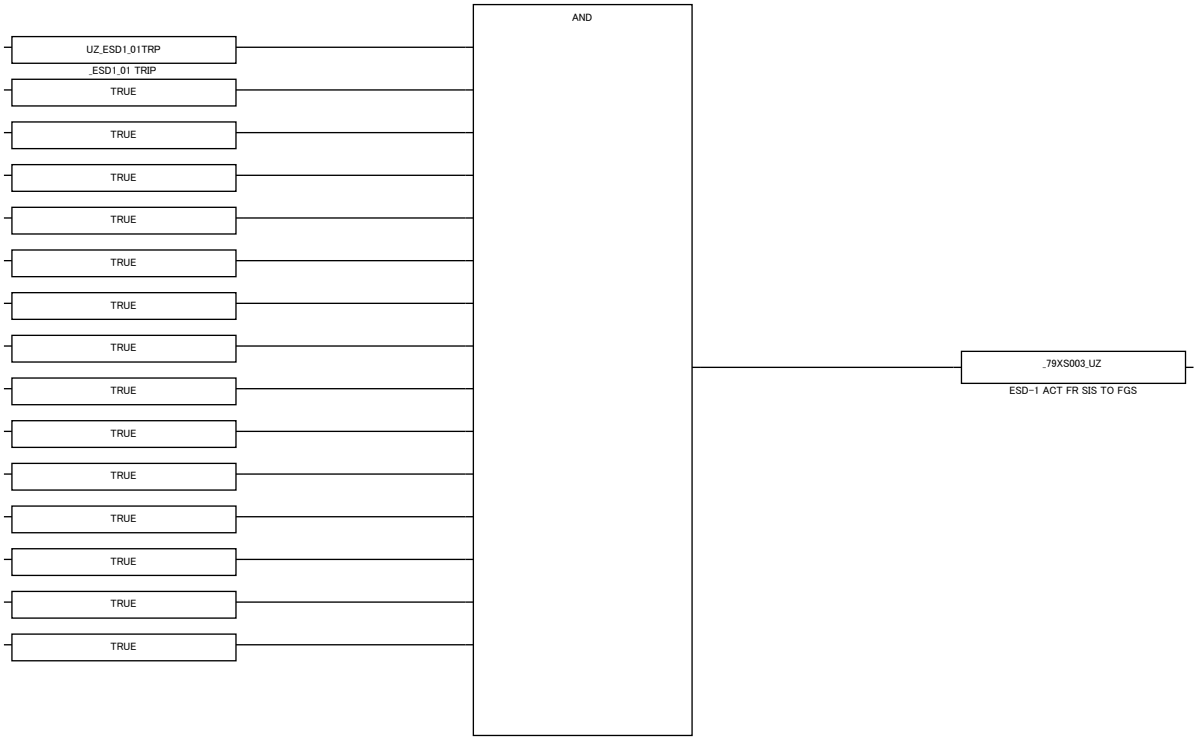
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 61
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

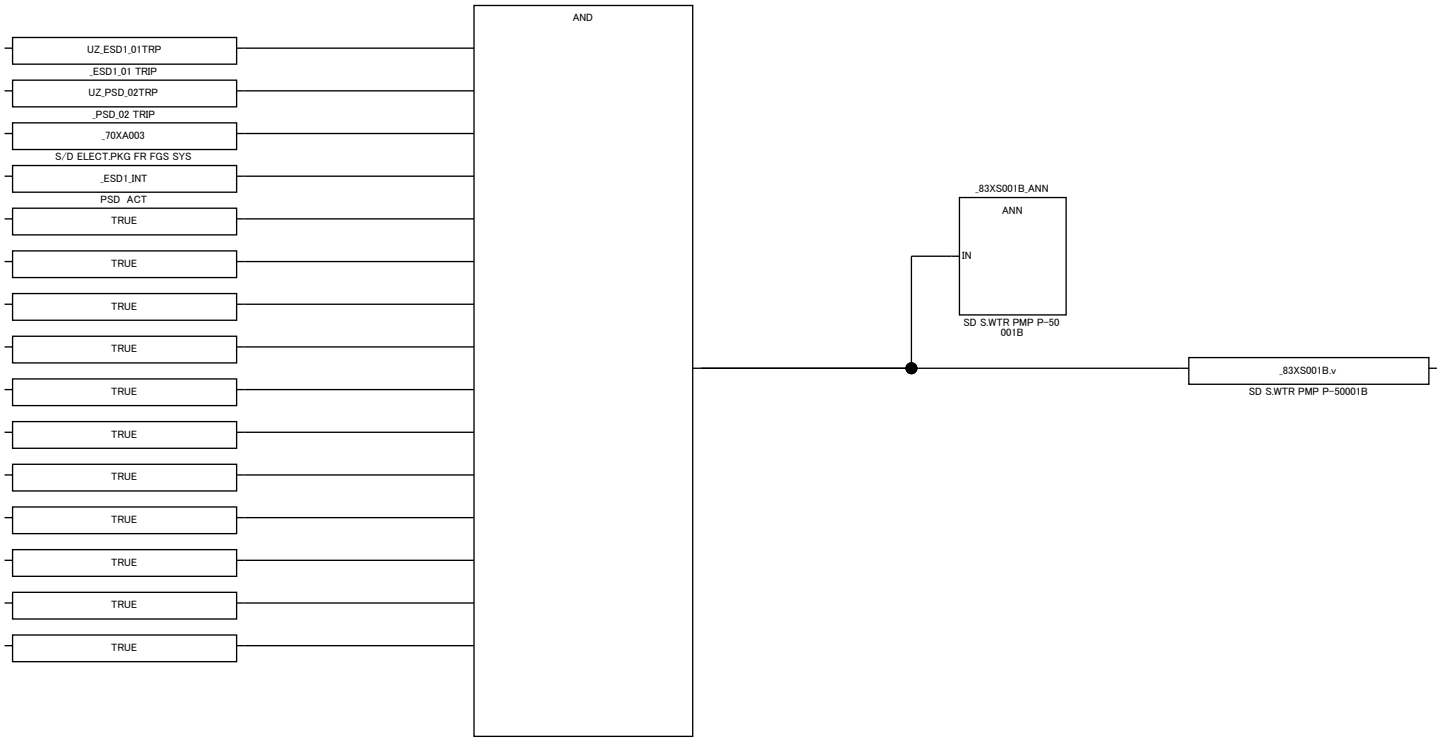




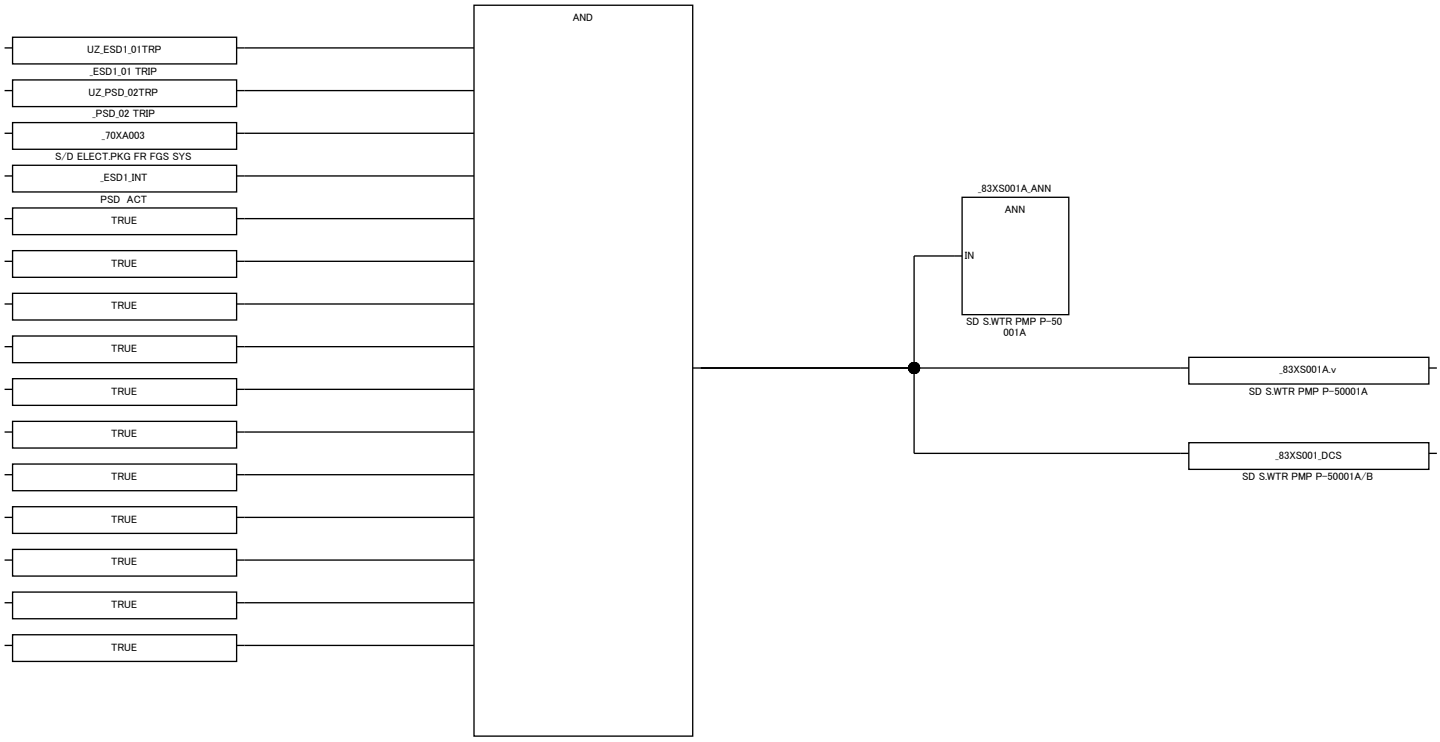
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 62
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

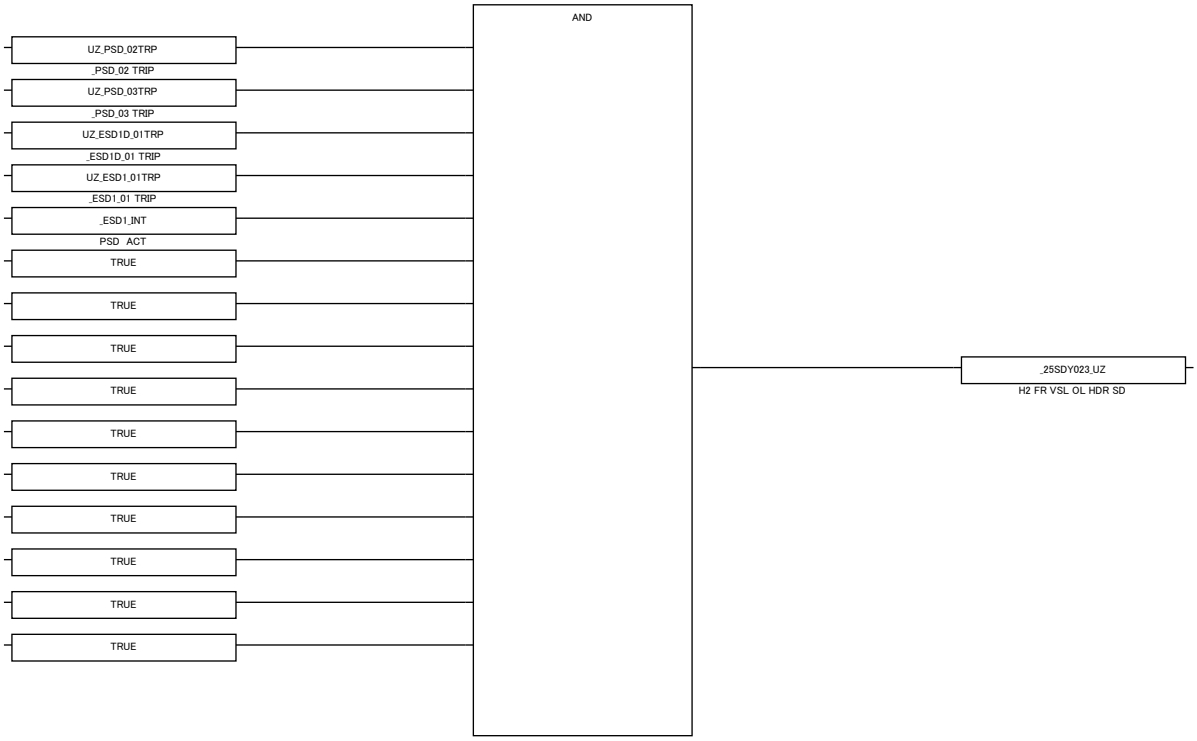
1.22. DO_06(* Digital Output Processing *)



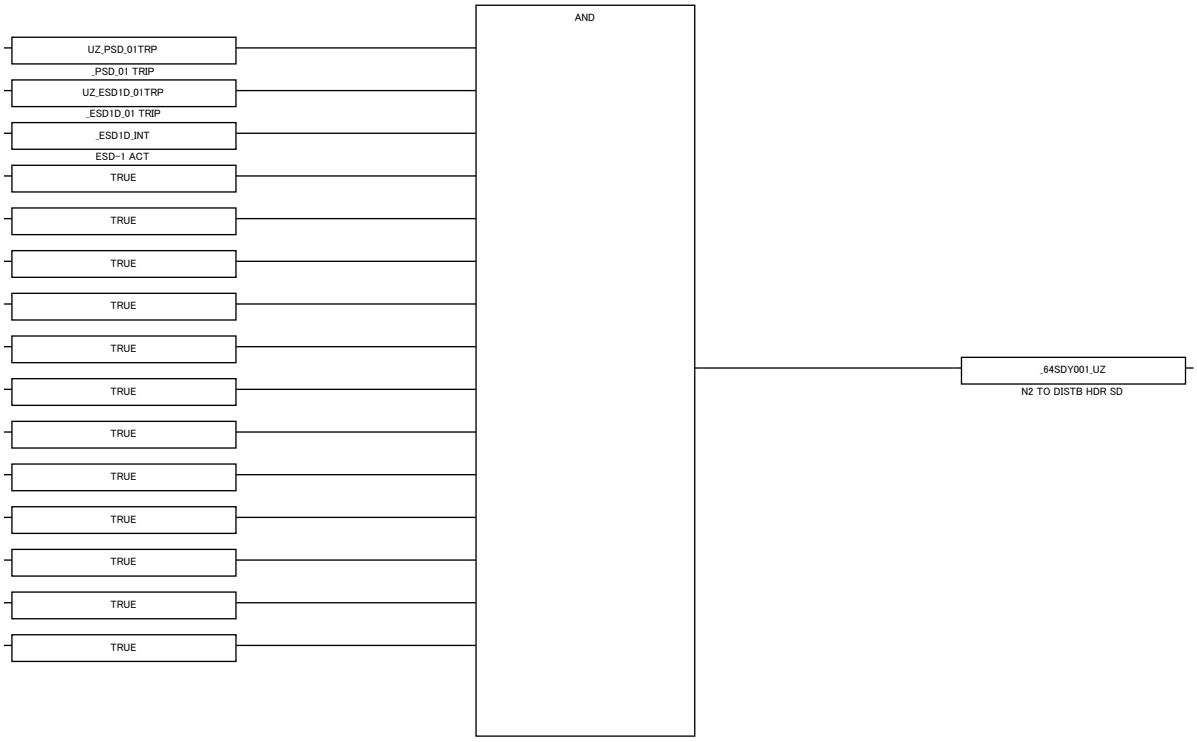


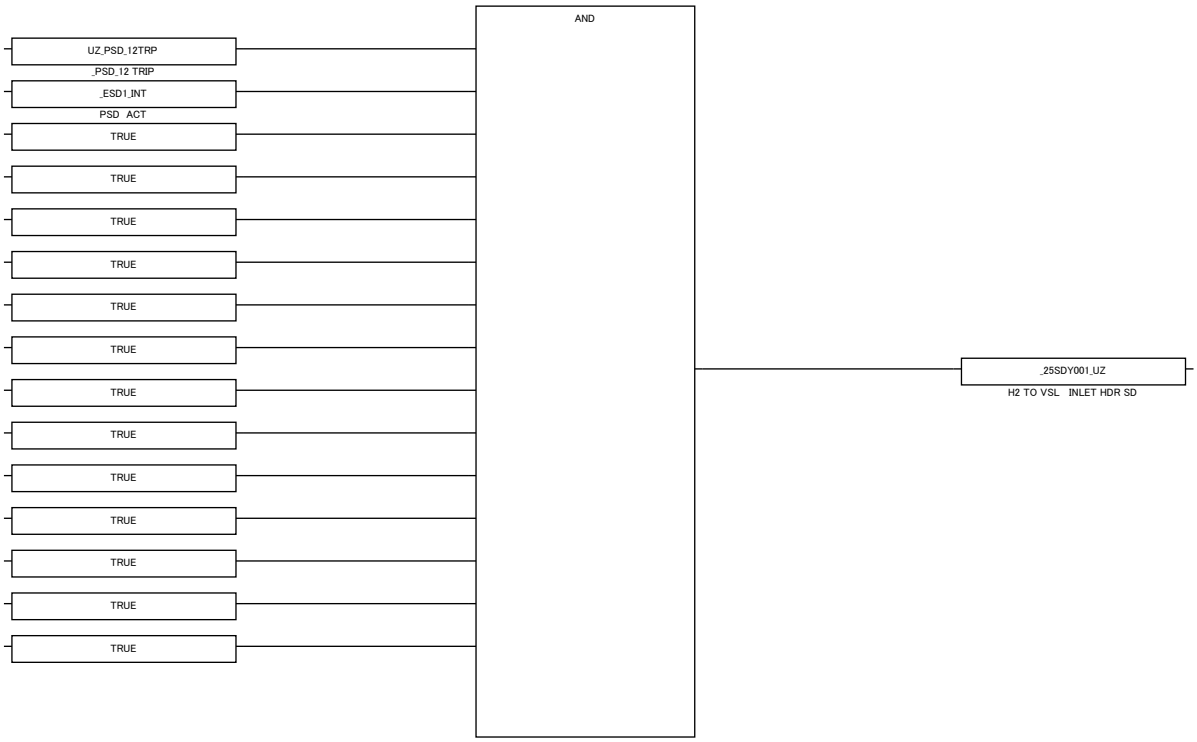
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 63
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		





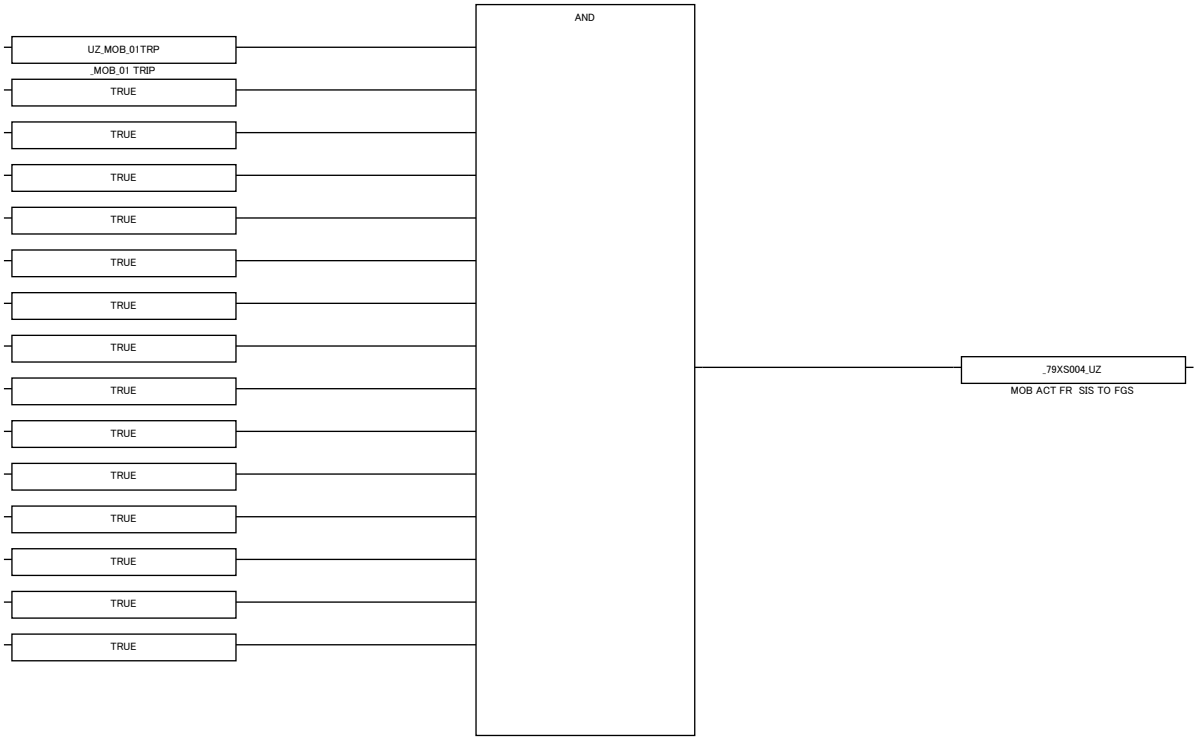
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 64
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



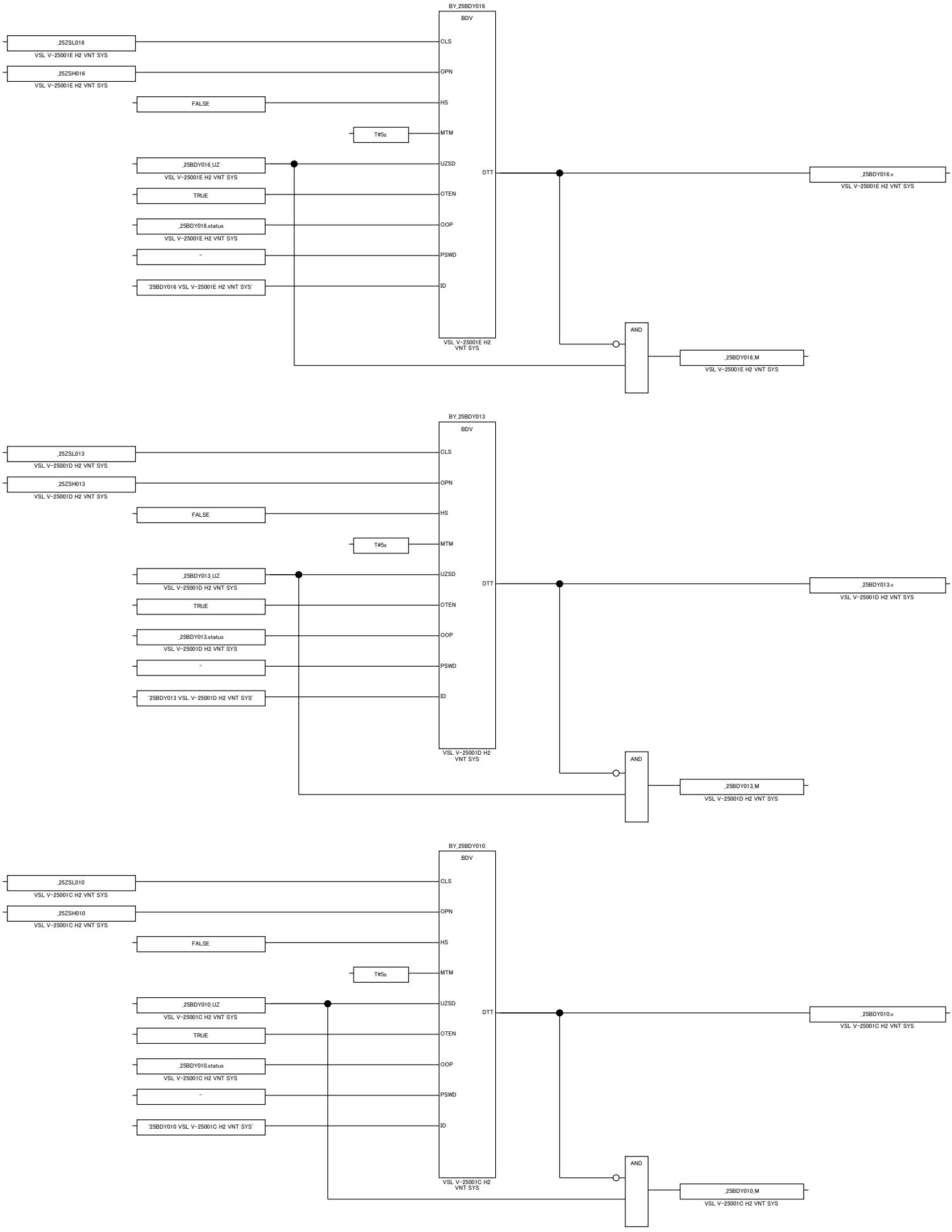


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 65
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

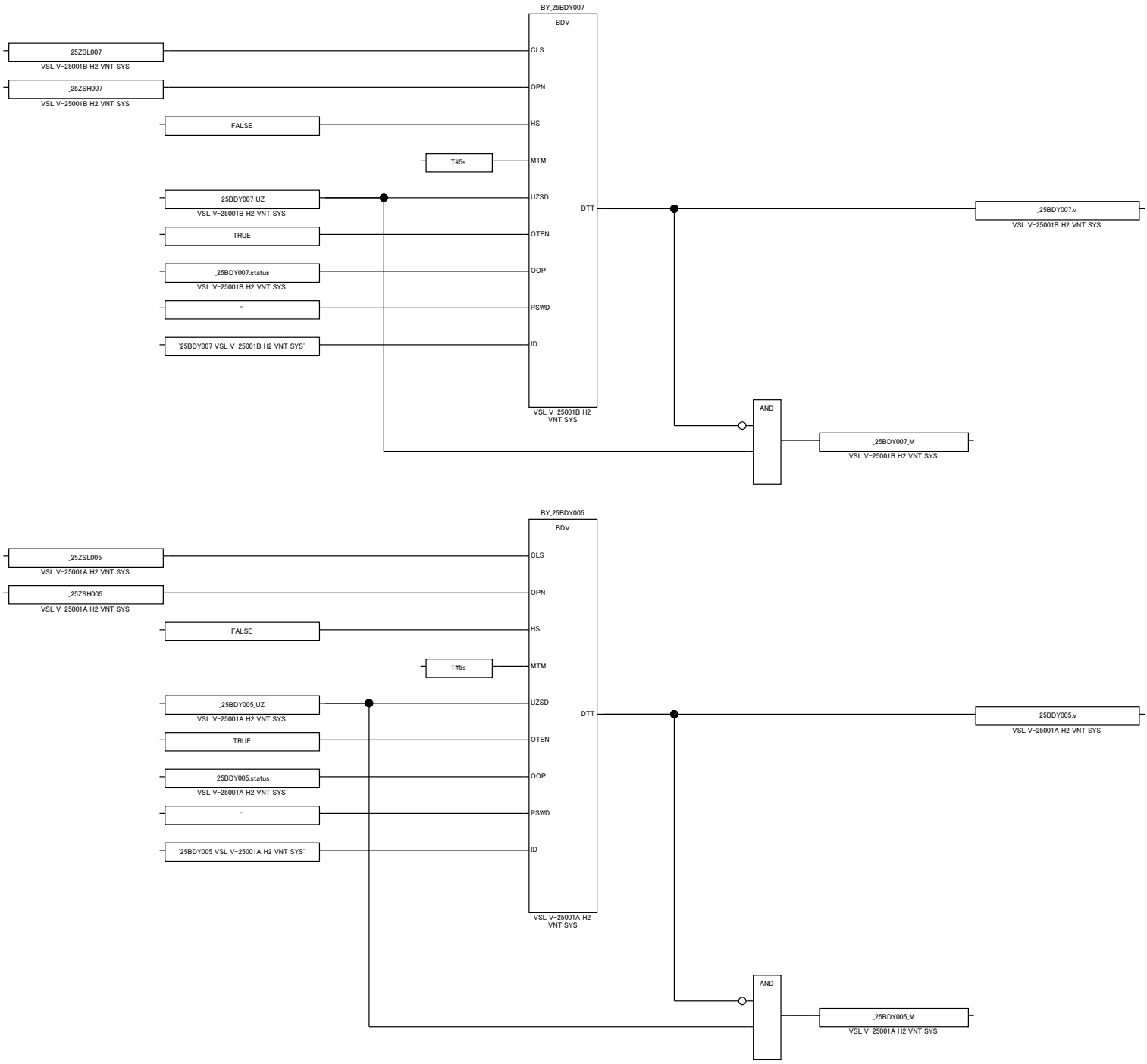
1.23. DO_07(* Digital Output Processing *)



1.24. DO_PROC_01(* Valve Condtioning *)

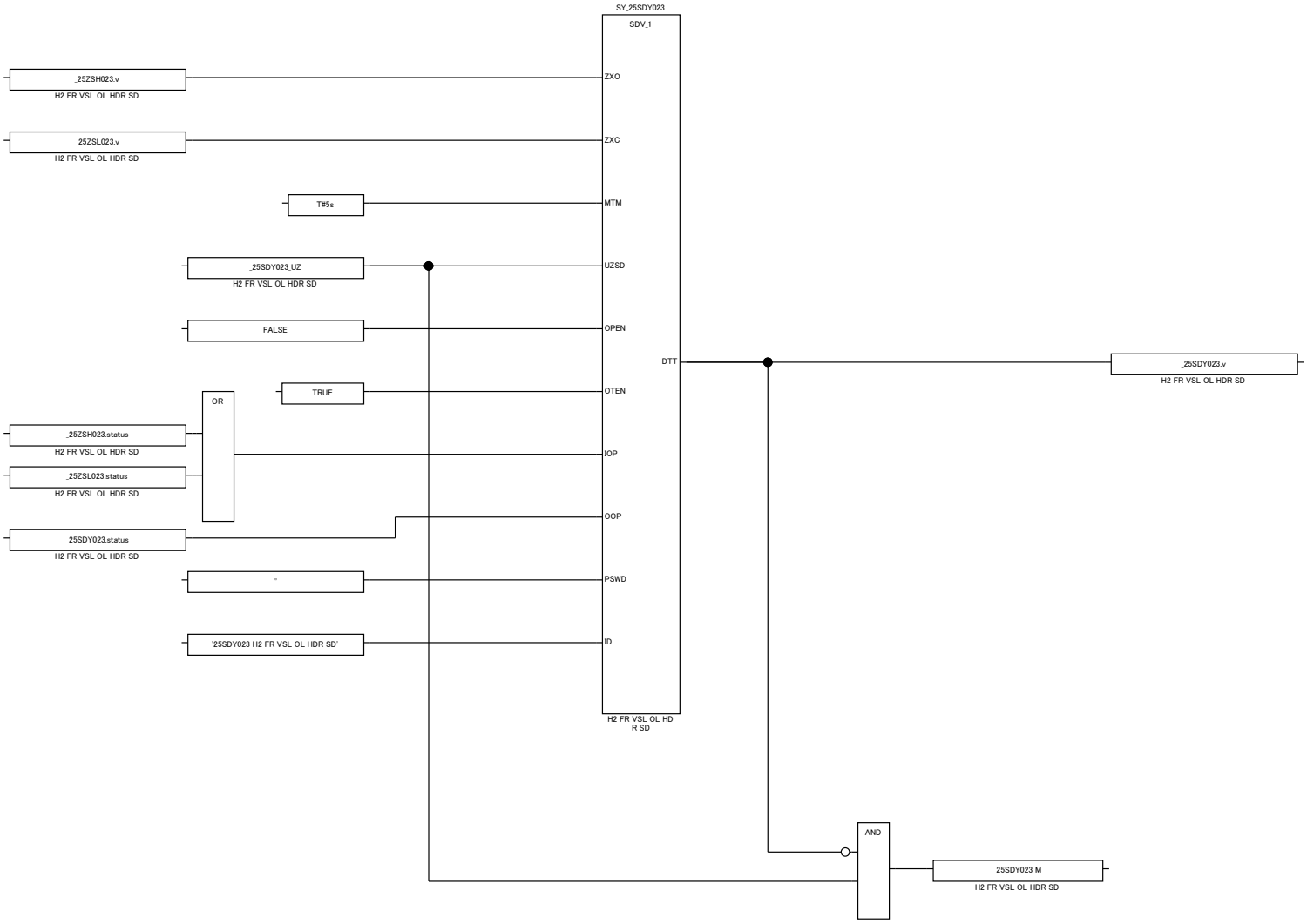


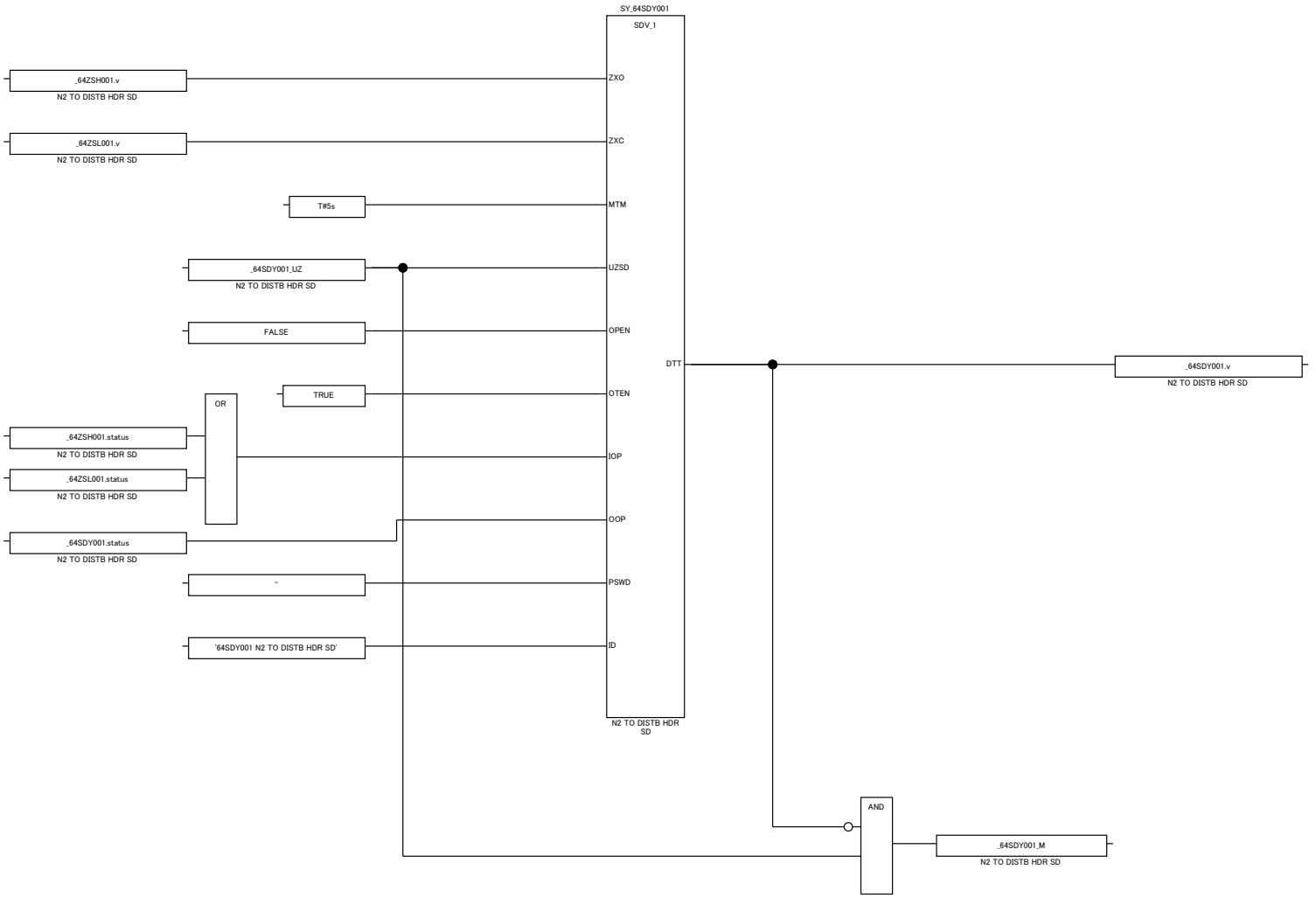
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 67
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		


BY_25BDY007
BDV
_25ZSL007
VSL V-25001B H2 VNT SYS
_25ZSH007
VSL V-25001B H2 VNT SYS
FALSE
T#5s
_25BDY007_UZ
VSL V-25001B H2 VNT SYS
TRUE
_25BDY007.status
VSL V-25001B H2 VNT SYS
''
'25BDY007 VSL V-25001B H2 VNT SYS'
CLS
OPN
HS
MTM
UZSD
OTEN
OOP
PSWD
ID
DTT
_25BDY007.v
VSL V-25001B H2 VNT SYS
VSL V-25001B H2 VNT SYS
AND
_25BDY007_M
VSL V-25001B H2 VNT SYS

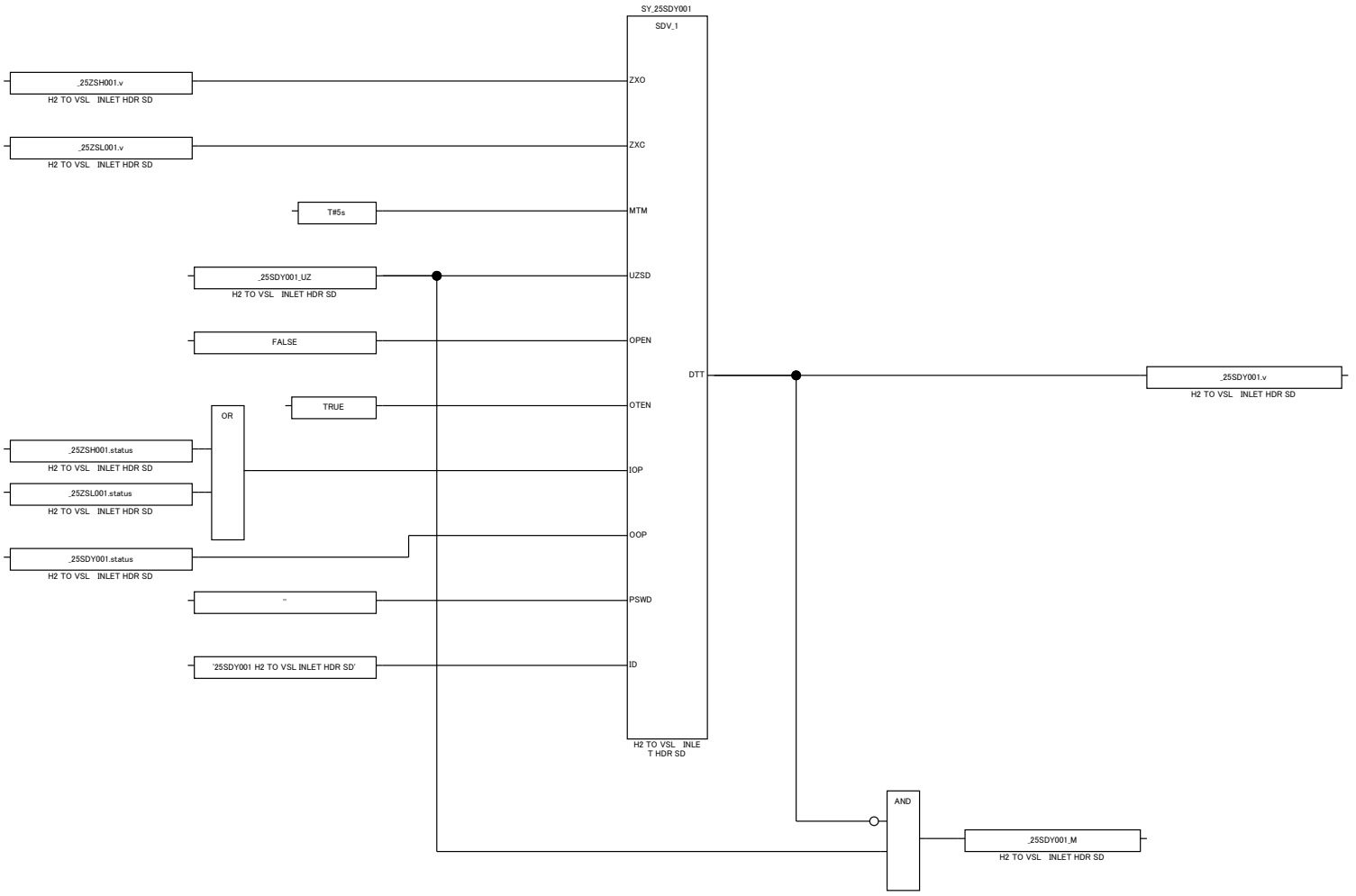
BY_25BDY005
BDV
_25ZSL005
VSL V-25001A H2 VNT SYS
_25ZSH005
VSL V-25001A H2 VNT SYS
FALSE
T#5s
_25BDY005_UZ
VSL V-25001A H2 VNT SYS
TRUE
_25BDY005.status
VSL V-25001A H2 VNT SYS
''
'25BDY005 VSL V-25001A H2 VNT SYS'
CLS
OPN
HS
MTM
UZSD
OTEN
OOP
PSWD
ID
DTT
_25BDY005.v
VSL V-25001A H2 VNT SYS
VSL V-25001A H2 VNT SYS
AND
_25BDY005_M
VSL V-25001A H2 VNT SYS

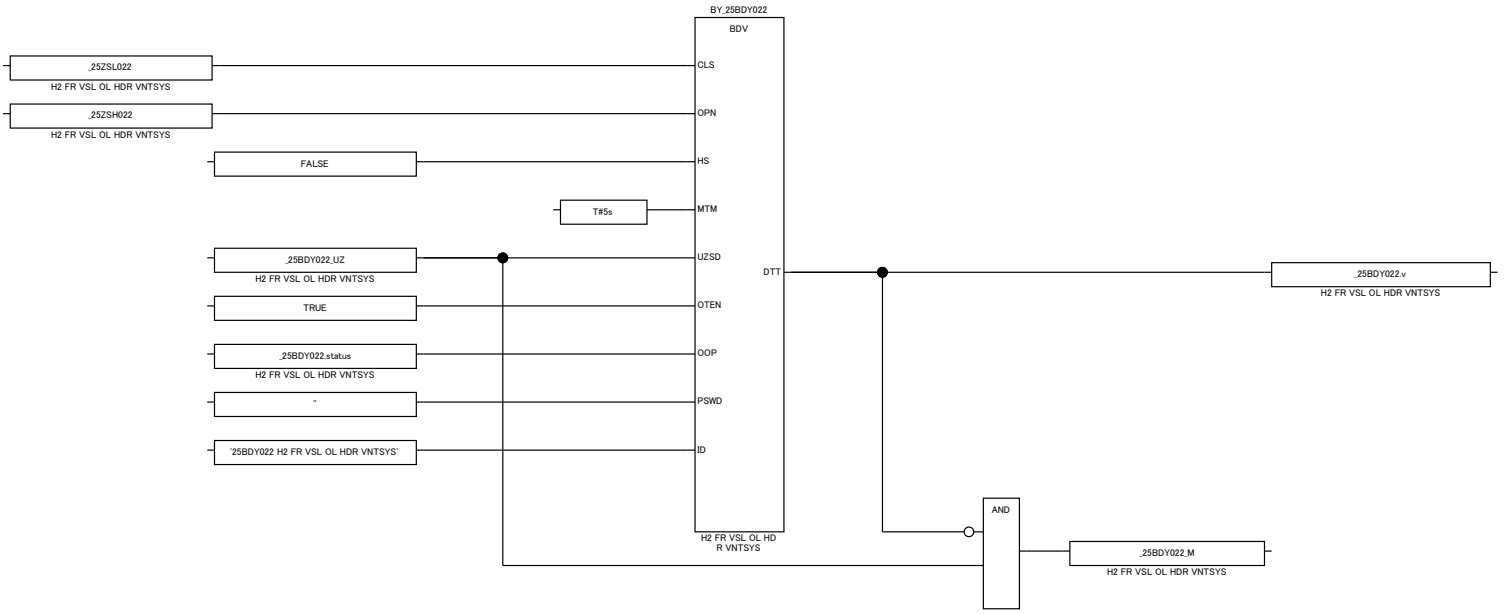
1.25. DO_PROC_02(* Valve Condtioning *)



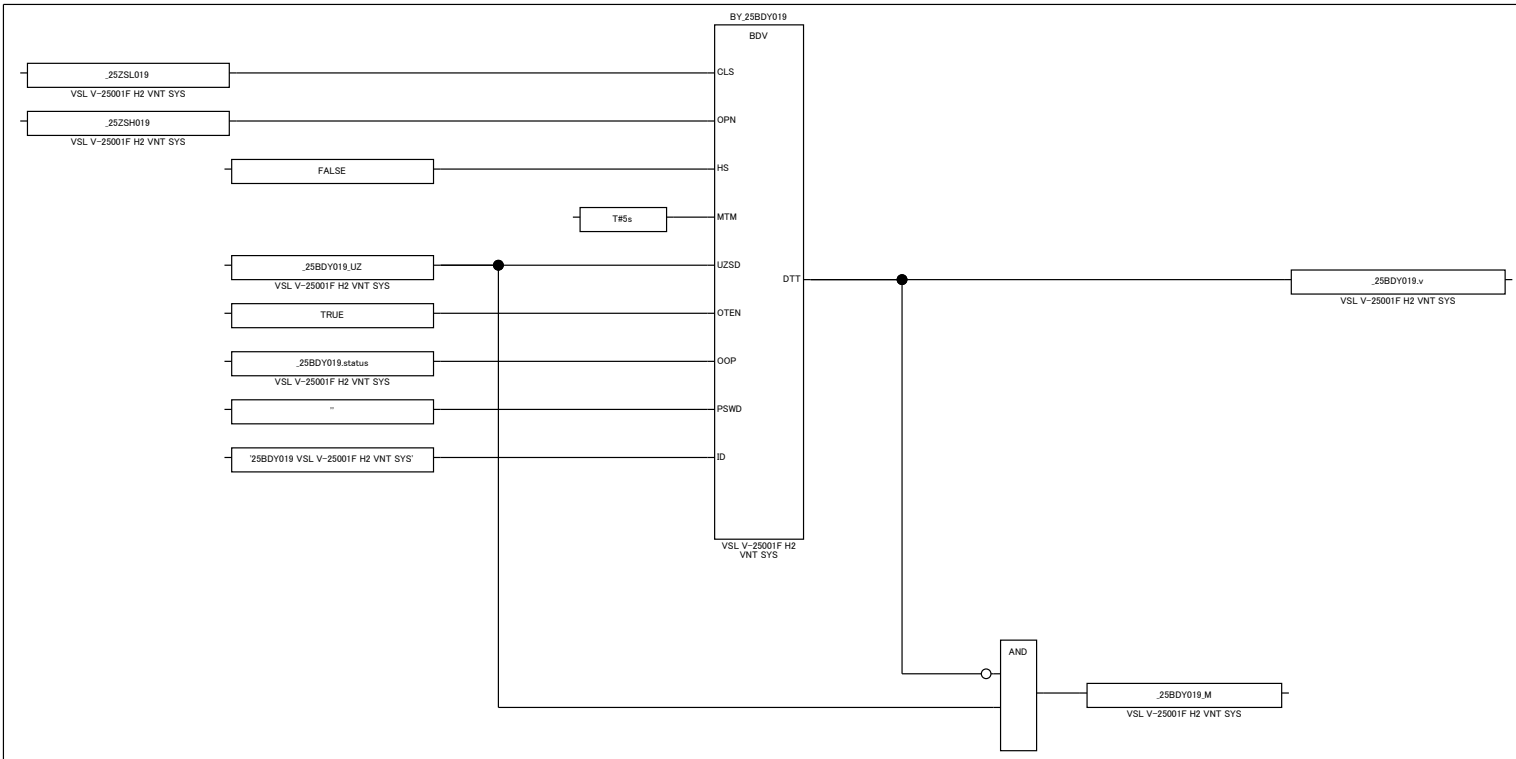


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 70
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



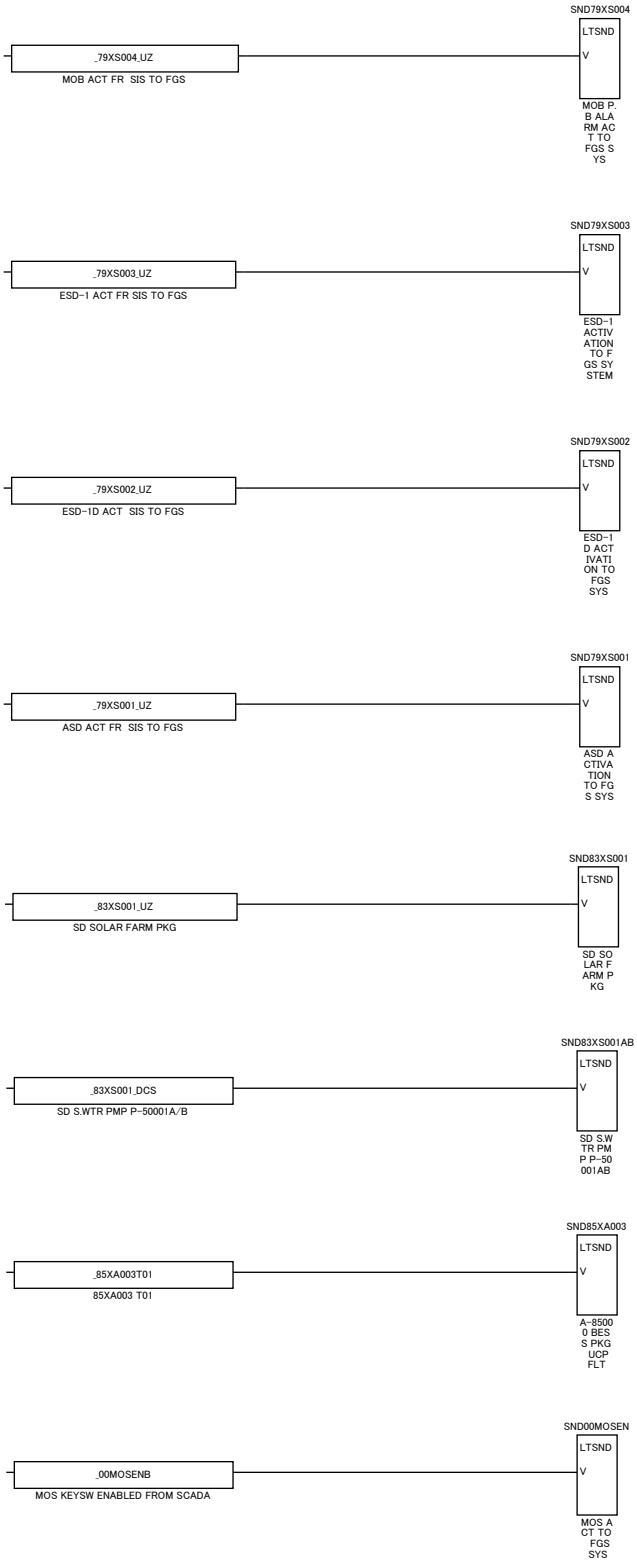


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 71
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

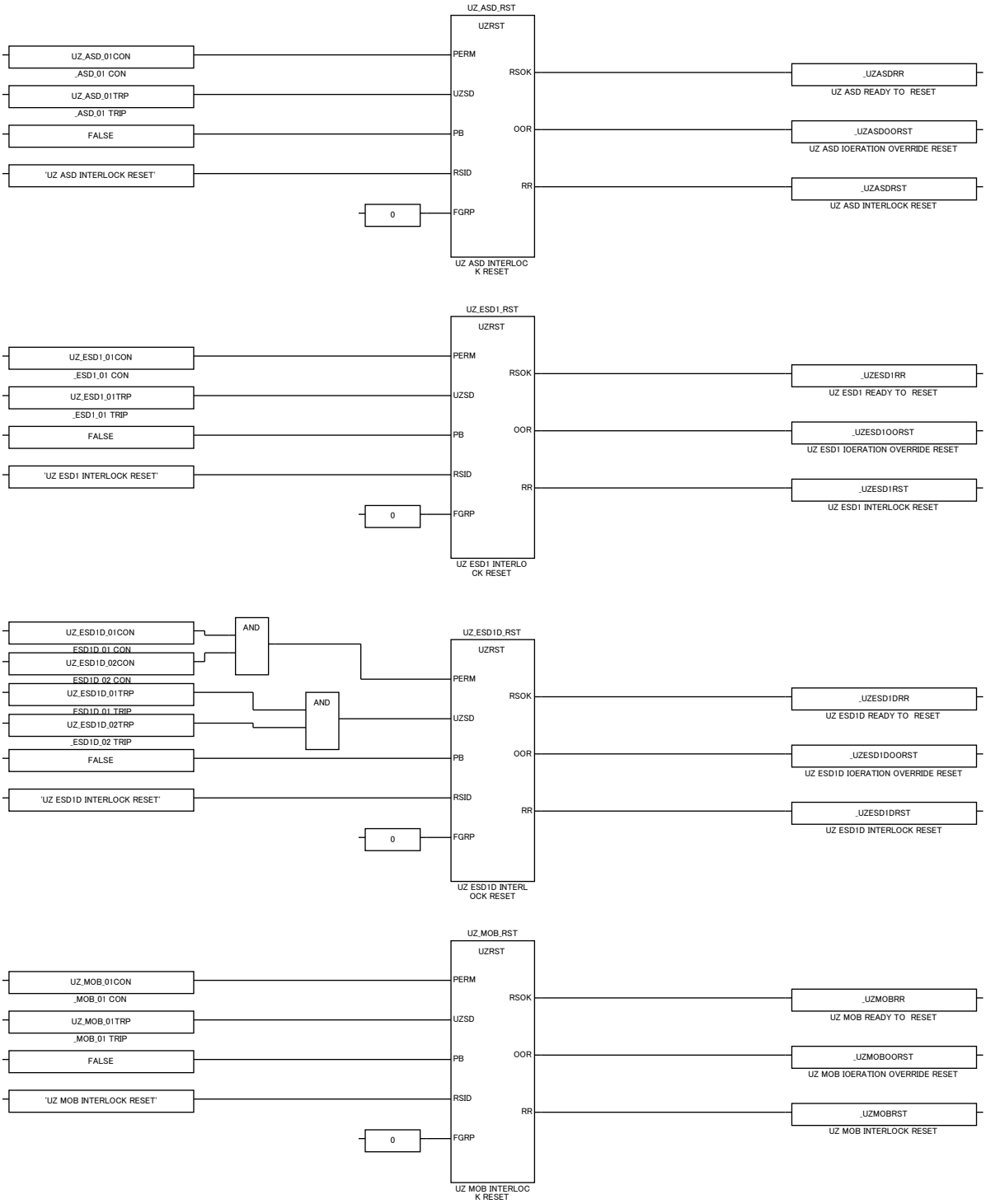


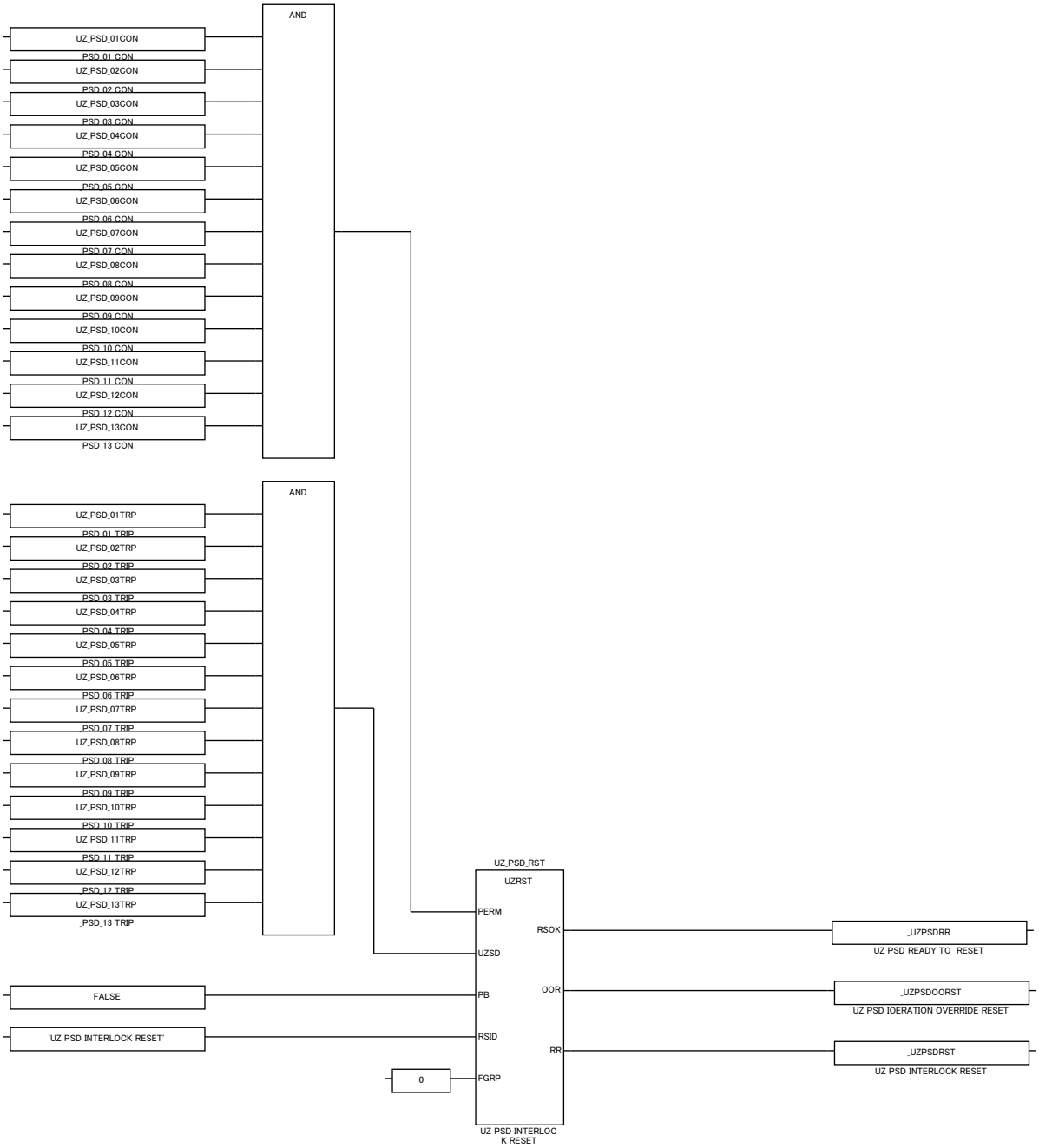
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 72
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

1.26. SEND(* Signal Transfer - Send *)

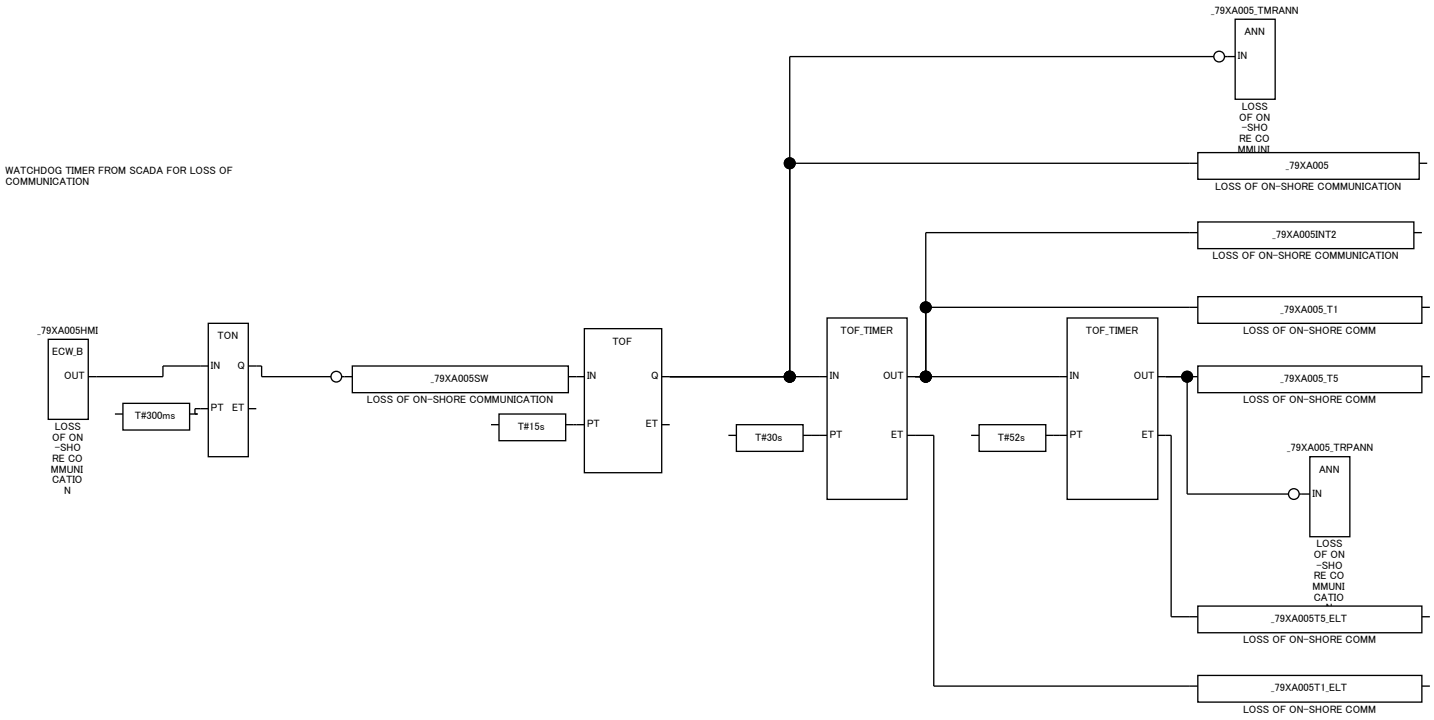


1.27. Logics1(* RST-COMM LOGICS *)





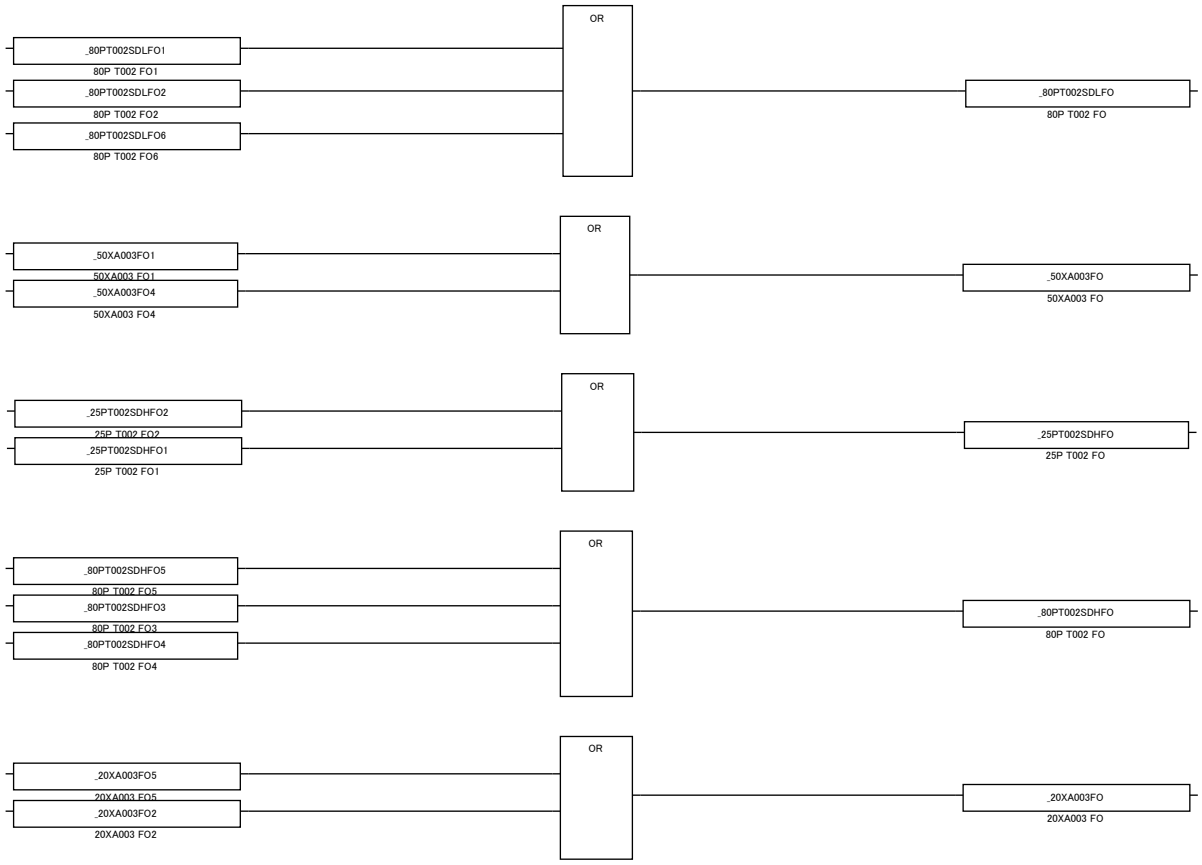
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 75
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

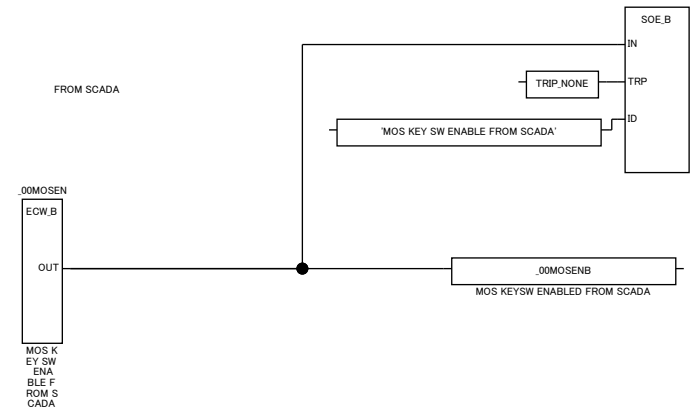


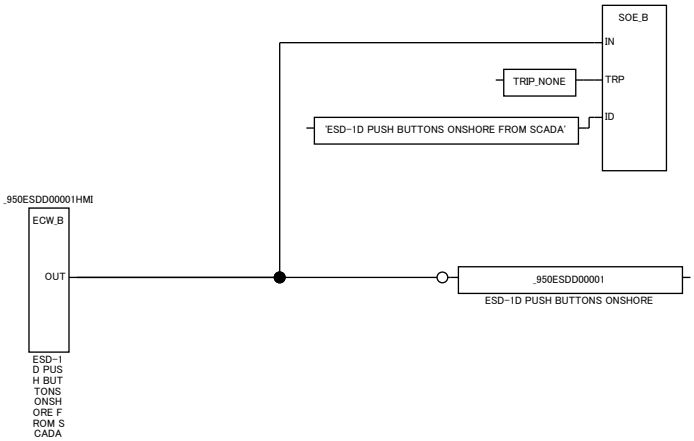
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 76
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

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

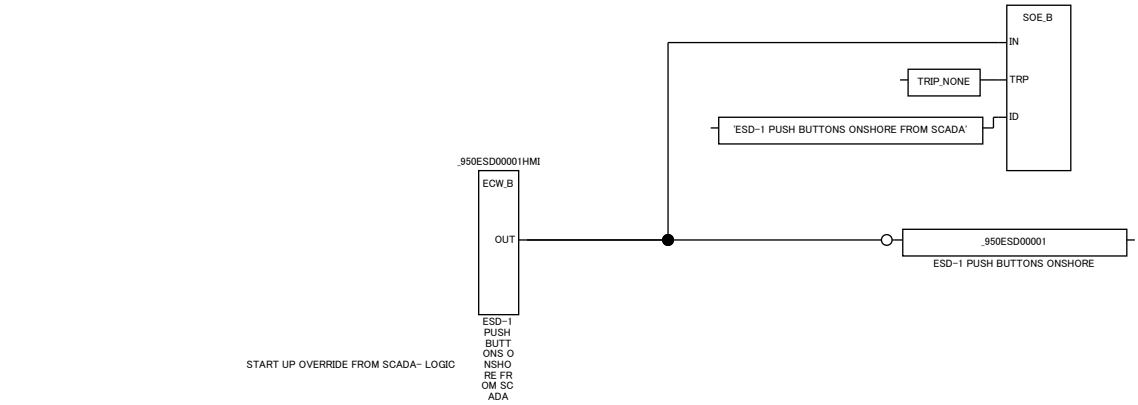
OR GATE

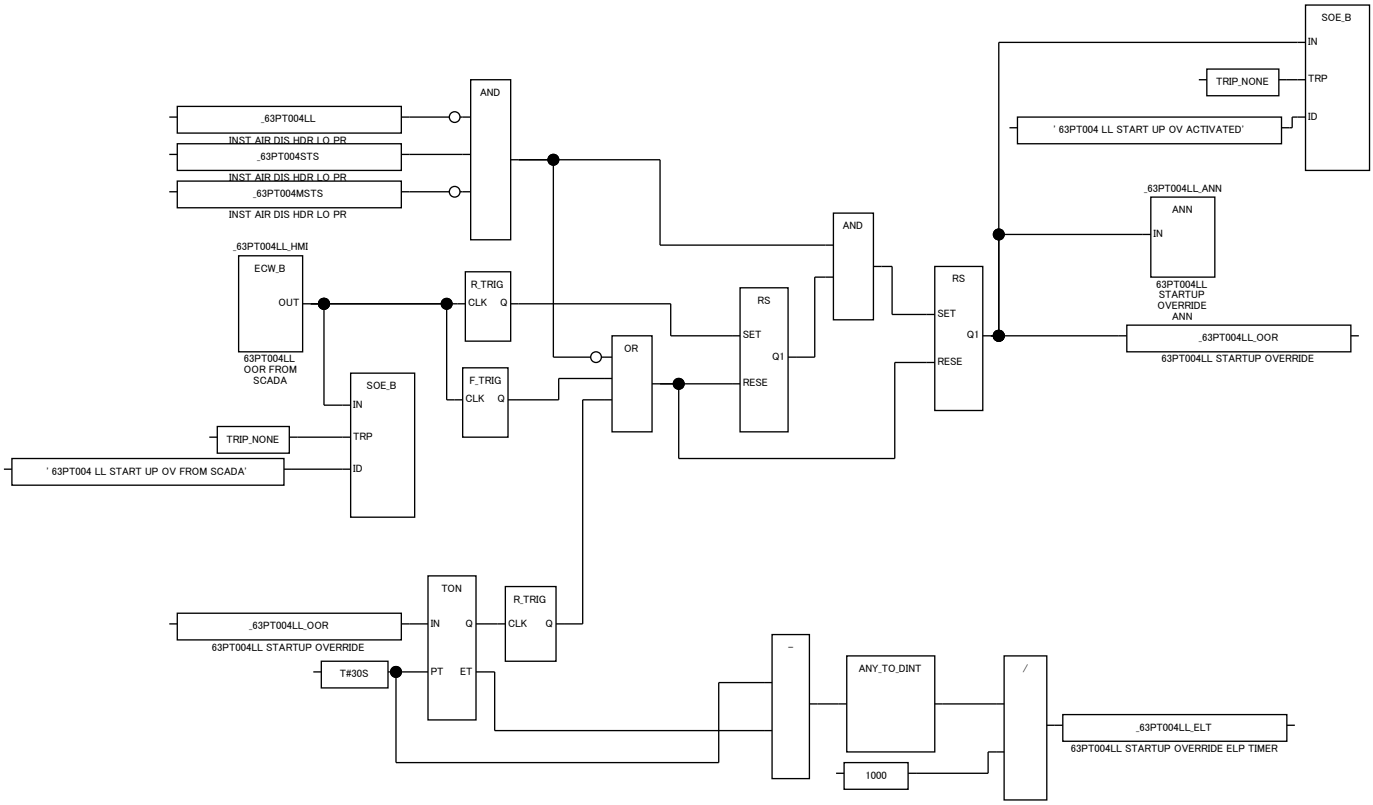




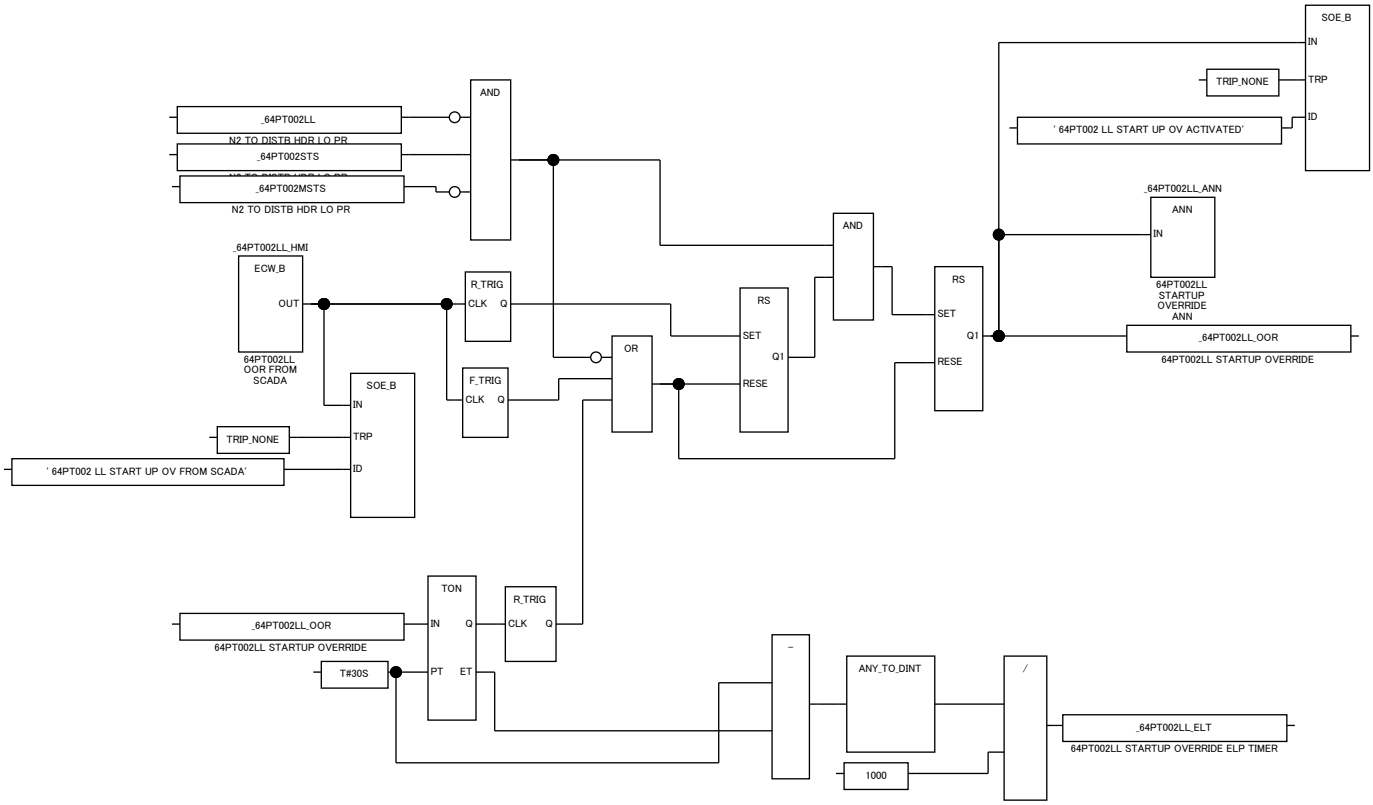


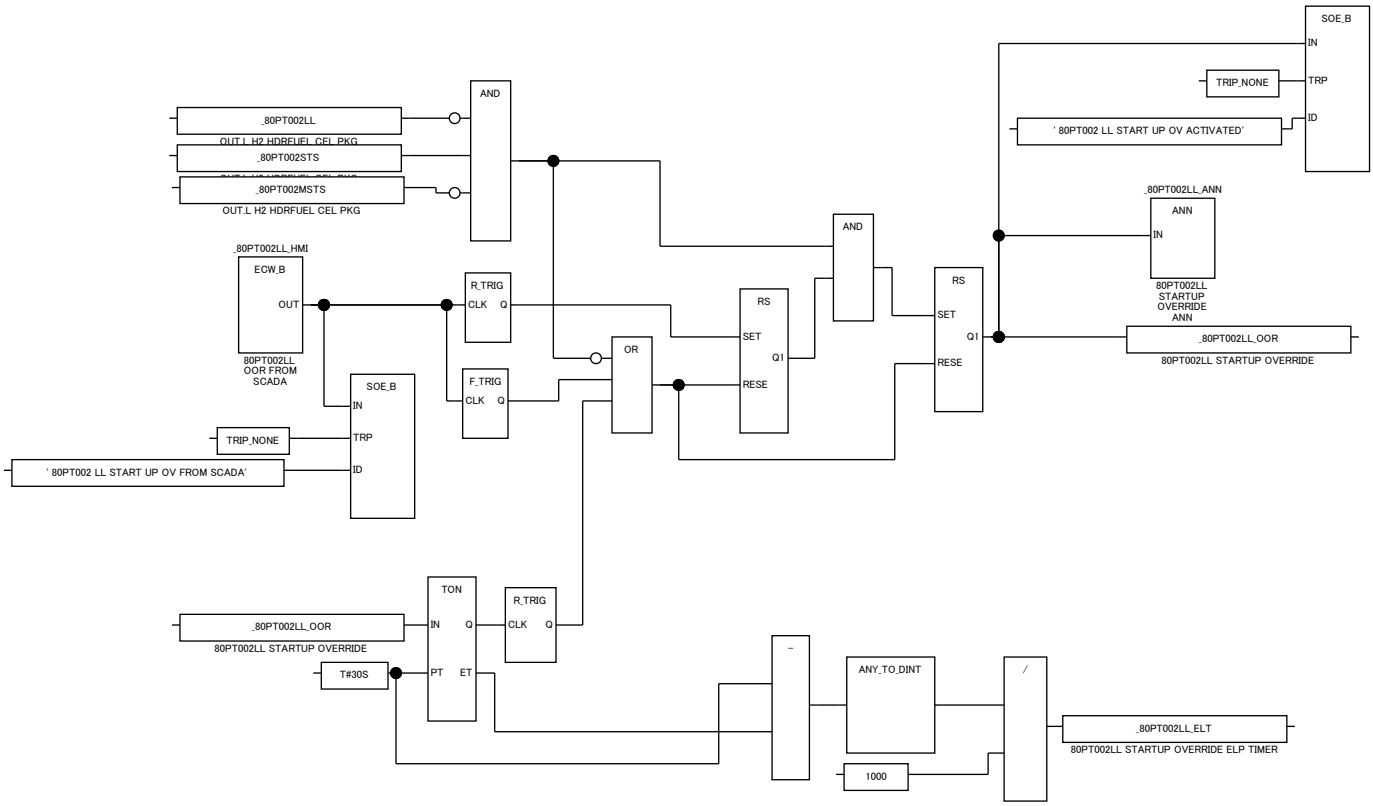
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 77
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		





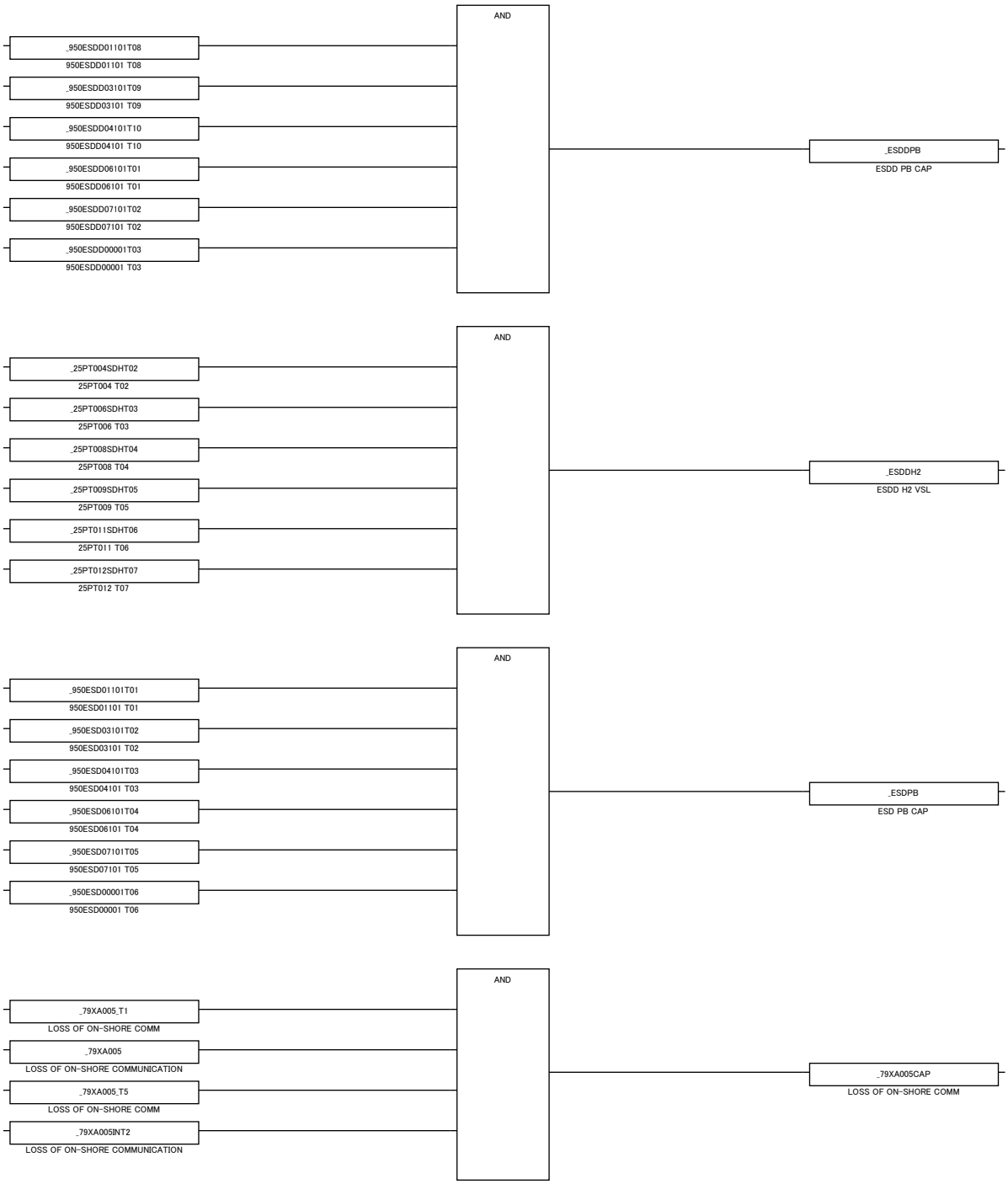
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 78
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		





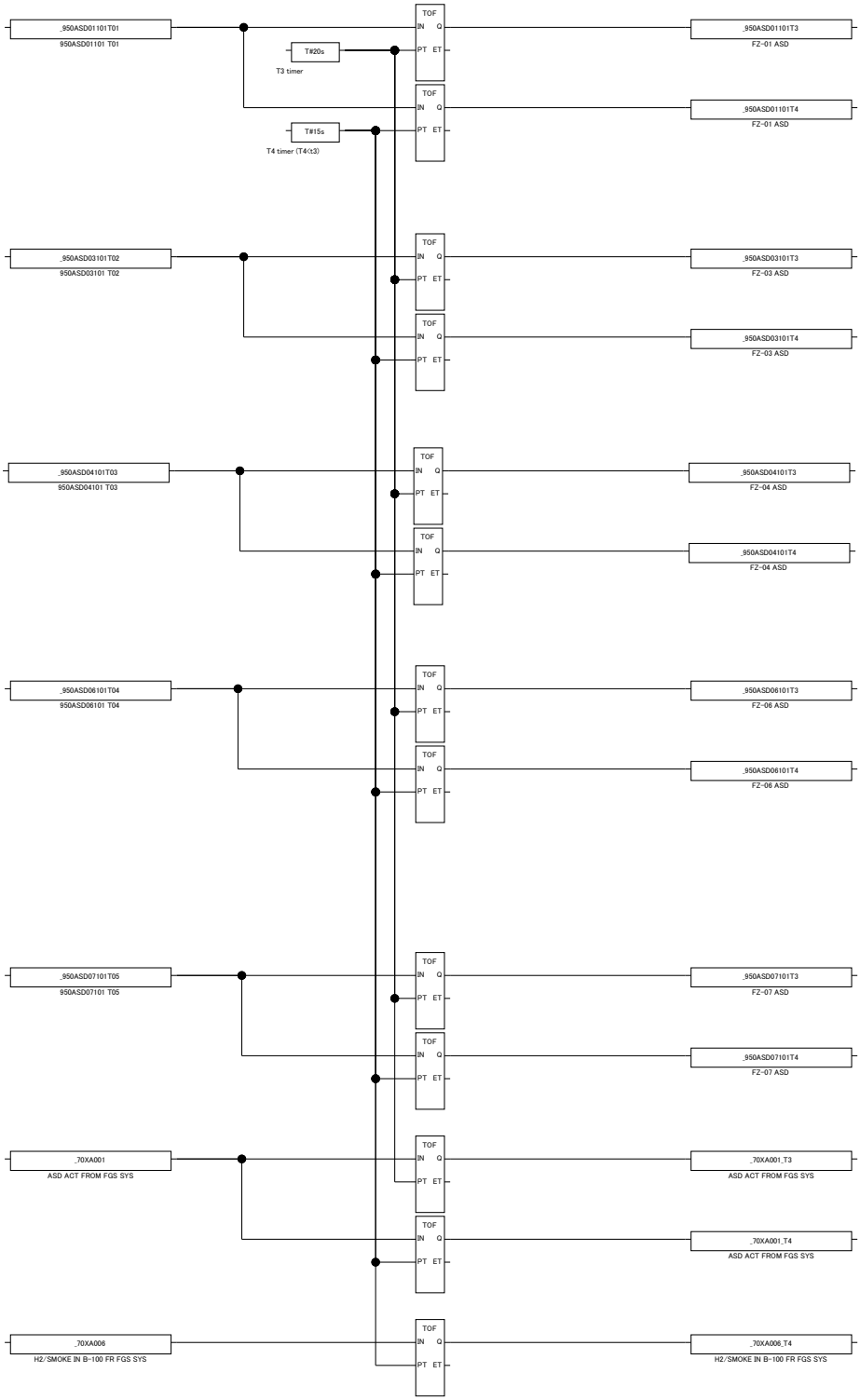
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 79
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

CAP LOGIC

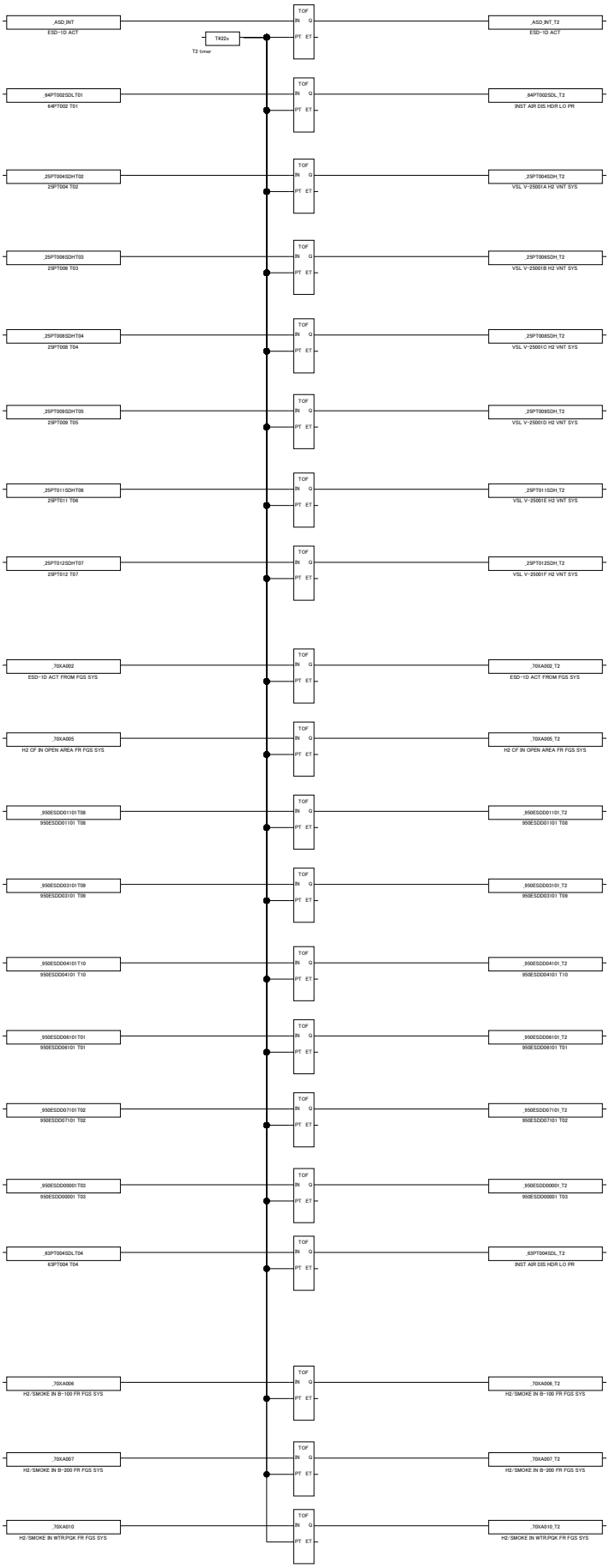


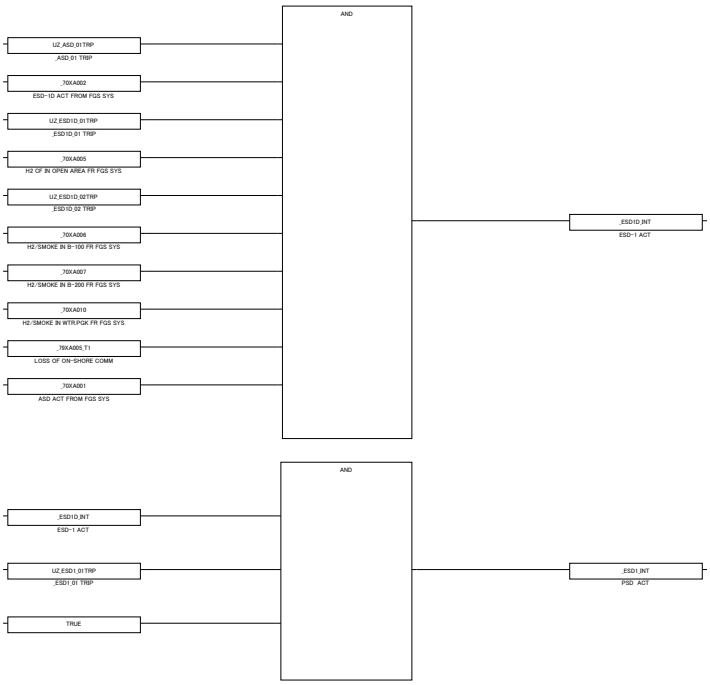
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 80
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

1.29. TIMER(* C&E Timer 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		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		


_ASD_INT
ESD-1D ACT
T#22s
T2 timer
TOF
IN Q
PT ET
_ASD_INT_T2
ESD-1D ACT
_64PT002SDLT01
64PT002 T01
_64PT002SDL_T2
INST AIR DIS HDR LO PR
_25PT004SDHT02
25PT004 T02
_25PT004SDH_T2
VSL V-25001A H2 VNT SYS
_25PT006SDHT03
25PT006 T03
_25PT006SDH_T2
VSL V-25001B H2 VNT SYS
_25PT008SDHT04
25PT008 T04
_25PT008SDH_T2
VSL V-25001C H2 VNT SYS
_25PT009SDHT05
25PT009 T05
_25PT009SDH_T2
VSL V-25001D H2 VNT SYS
_25PT011SDHT06
25PT011 T06
_25PT011SDH_T2
VSL V-25001E H2 VNT SYS
_25PT012SDHT07
25PT012 T07
_25PT012SDH_T2
VSL V-25001F H2 VNT SYS
_70XA002
ESD-1D ACT FROM FGS SYS
_70XA002_T2
ESD-1D ACT FROM FGS SYS
_70XA005
H2 CF IN OPEN AREA FR FGS SYS
_70XA005_T2
H2 CF IN OPEN AREA FR FGS SYS
_950ESDD01101T08
950ESDD01101 T08
_950ESDD01101_T2
950ESDD01101 T08
_950ESDD03101T09
950ESDD03101 T09
_950ESDD03101_T2
950ESDD03101 T09
_950ESDD04101T10
950ESDD04101 T10
_950ESDD04101_T2
950ESDD04101 T10
_950ESDD06101T01
950ESDD06101 T01
_950ESDD06101_T2
950ESDD06101 T01
_950ESDD07101T02
950ESDD07101 T02
_950ESDD07101_T2
950ESDD07101 T02
_950ESDD00001T03
950ESDD00001 T03
_950ESDD00001_T2
950ESDD00001 T03
_63PT004SDLT04
63PT004 T04
_63PT004SDL_T2
INST AIR DIS HDR LO PR
_70XA006
H2/SMOKE IN B-100 FR FGS SYS
_70XA006_T2
H2/SMOKE IN B-100 FR FGS SYS
_70XA007
H2/SMOKE IN B-200 FR FGS SYS
_70XA007_T2
H2/SMOKE IN B-200 FR FGS SYS
_70XA010
H2/SMOKE IN WTR.PGK FR FGS SYS
_70XA010_T2
H2/SMOKE IN WTR.PGK FR FGS SYS



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		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	55		

1.31. AOS(* IPS Override function *)

1.0.0

YOKOGAWA

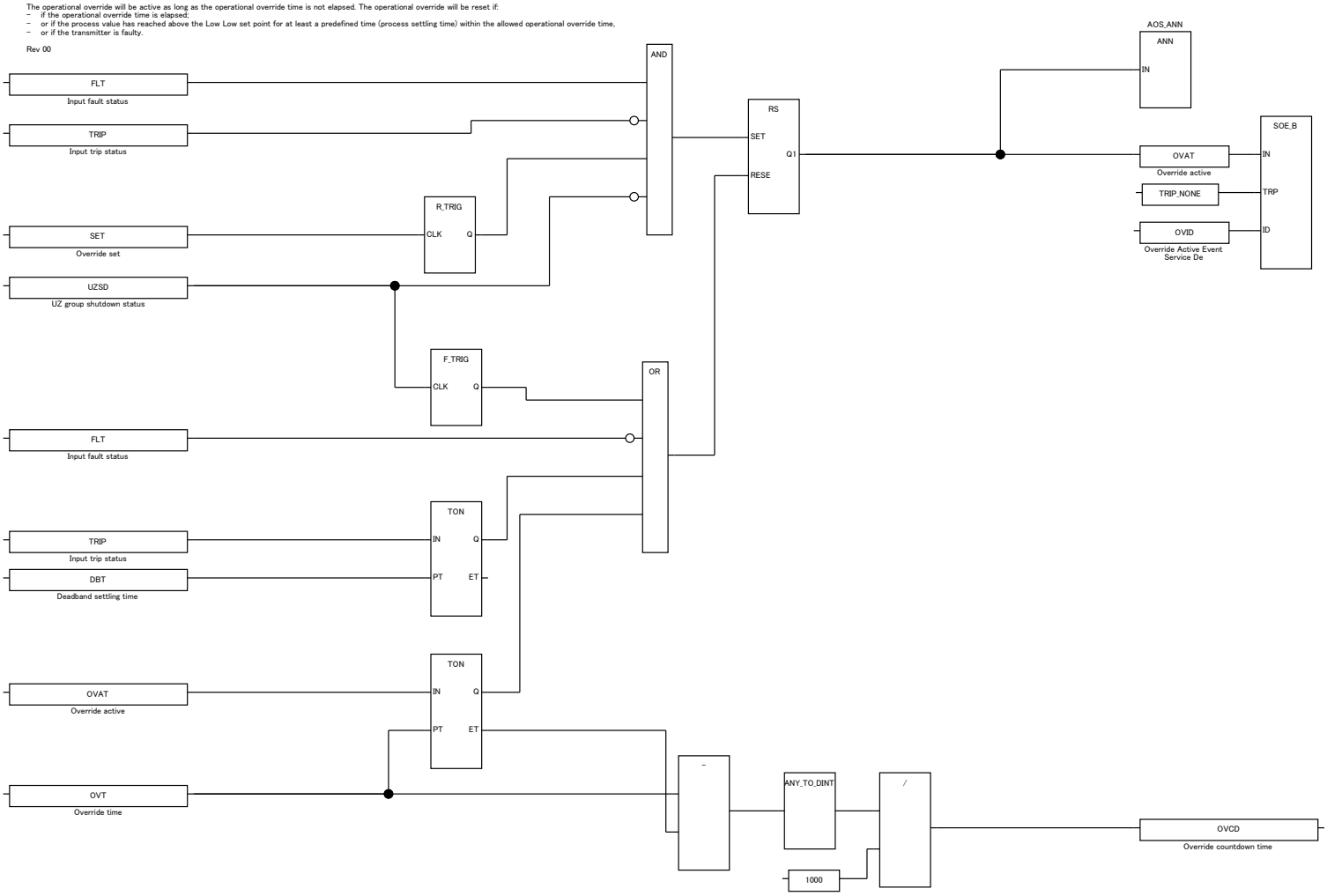
TYPICAL : AOS (User Defined Function Block)

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 ope rational 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 ar e 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: 84
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

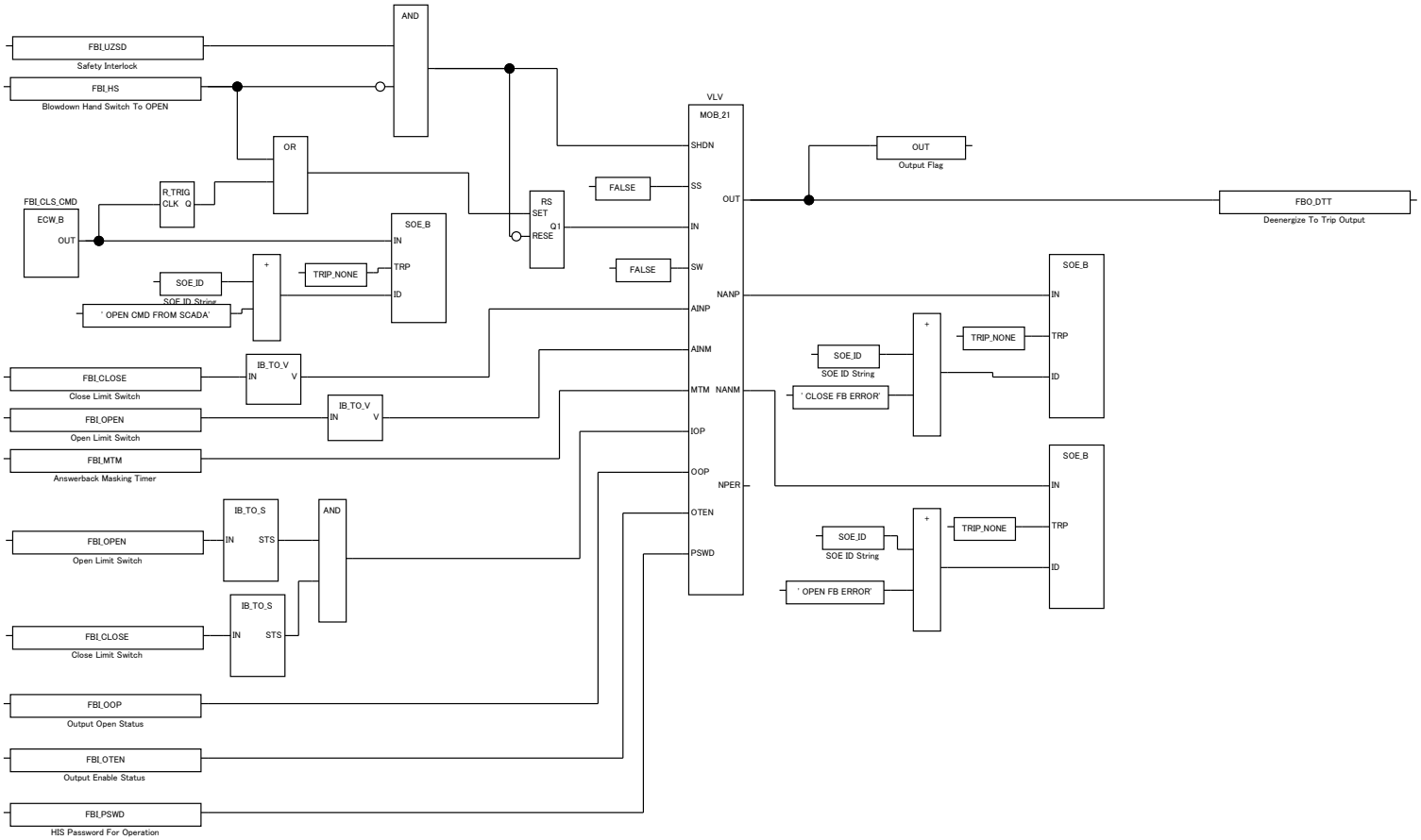
1.32. BDV(* Blowdown Valve with Limit switches *)

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 UZQRP reset,valve shall be closed manually ans returns to AUTO mode.

Rev 00
Rev 01
Rev 02 – FAT Punch



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 85
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

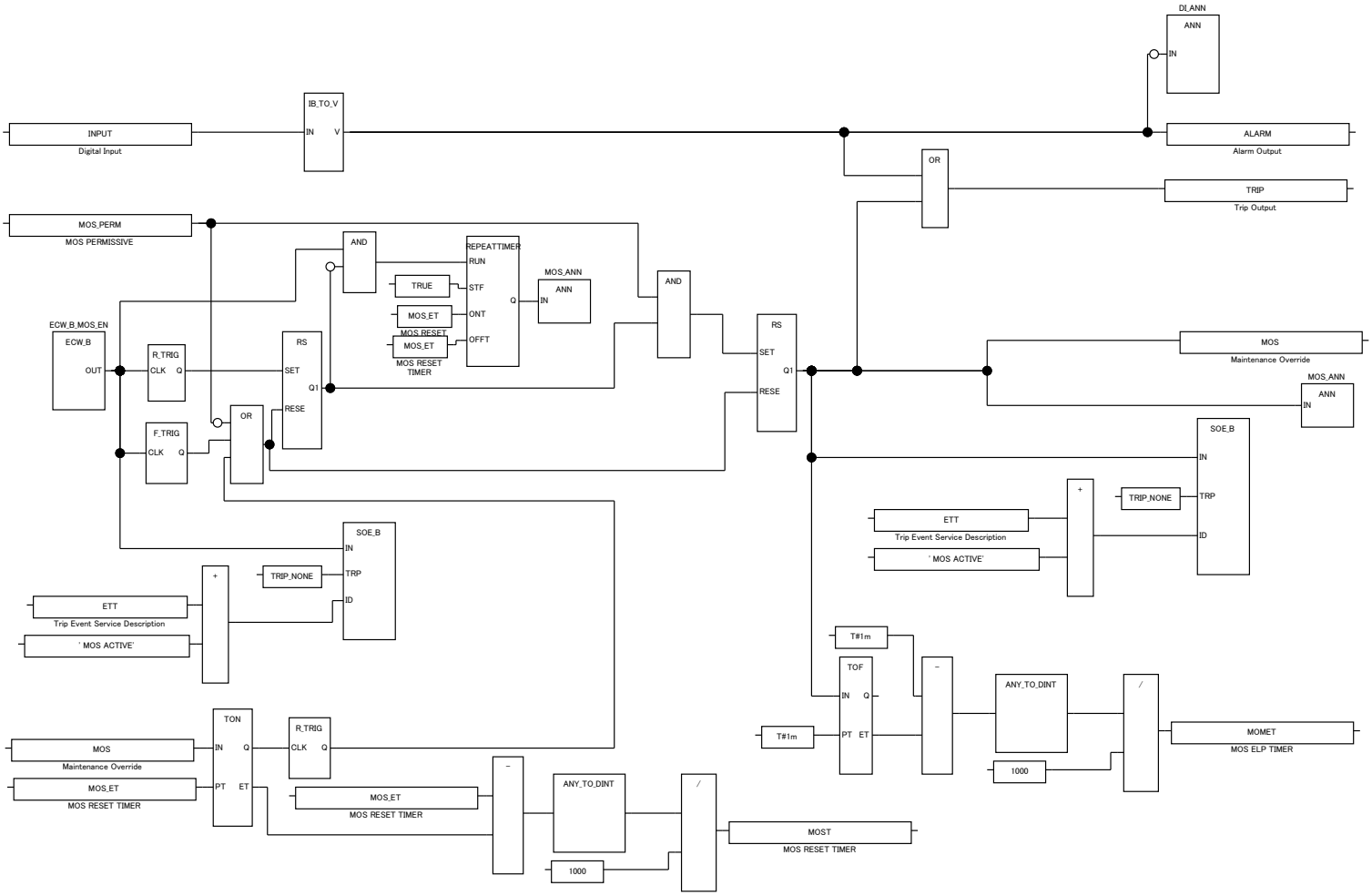
1.33. DDI(* De-energized to trip without LM *)

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: 86
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

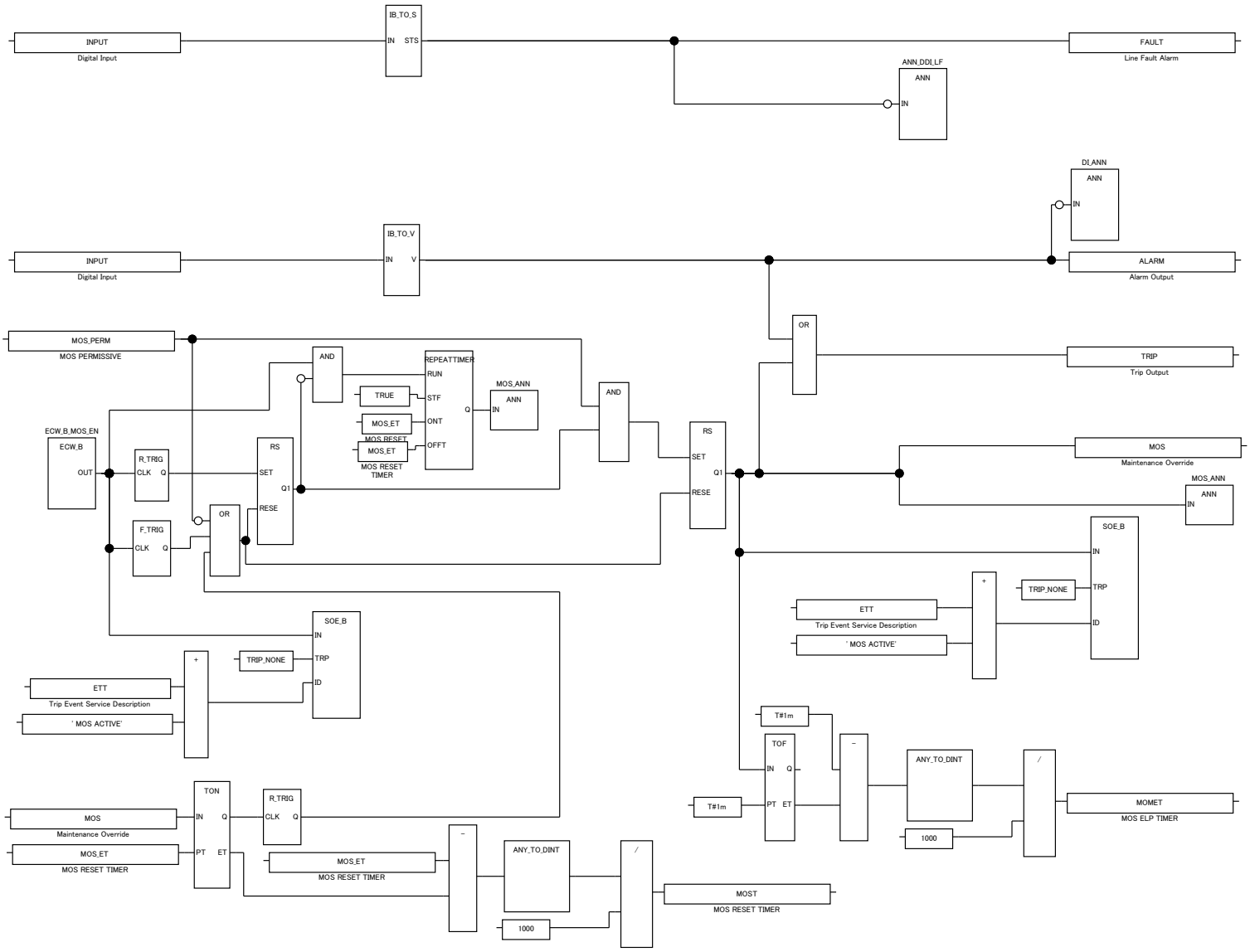
1.34. DDI_LM(* De-energized to trip with LM *)

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: 87
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

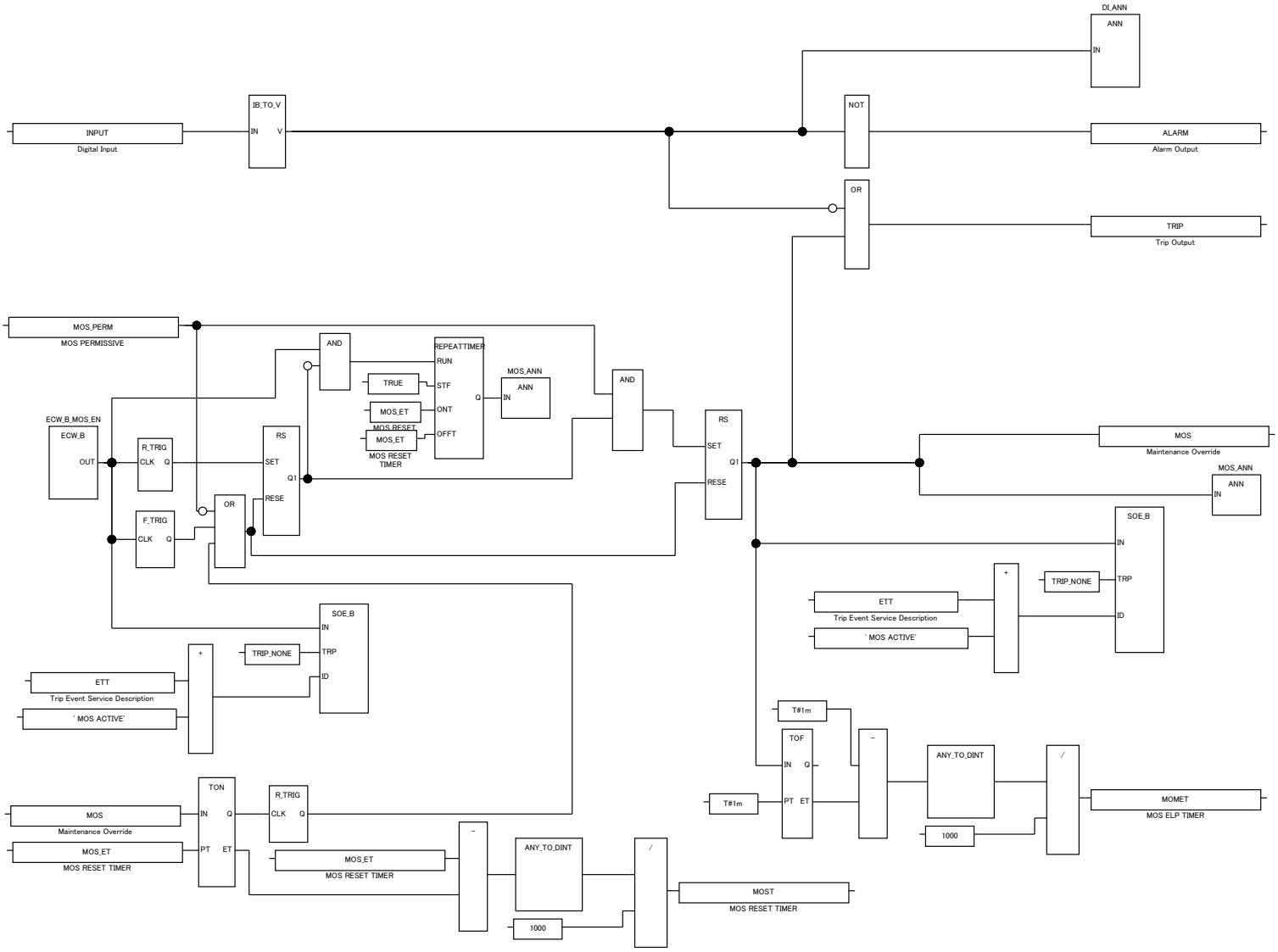
1.35. EDI(* Energize to trip without LM *)

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: 88
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

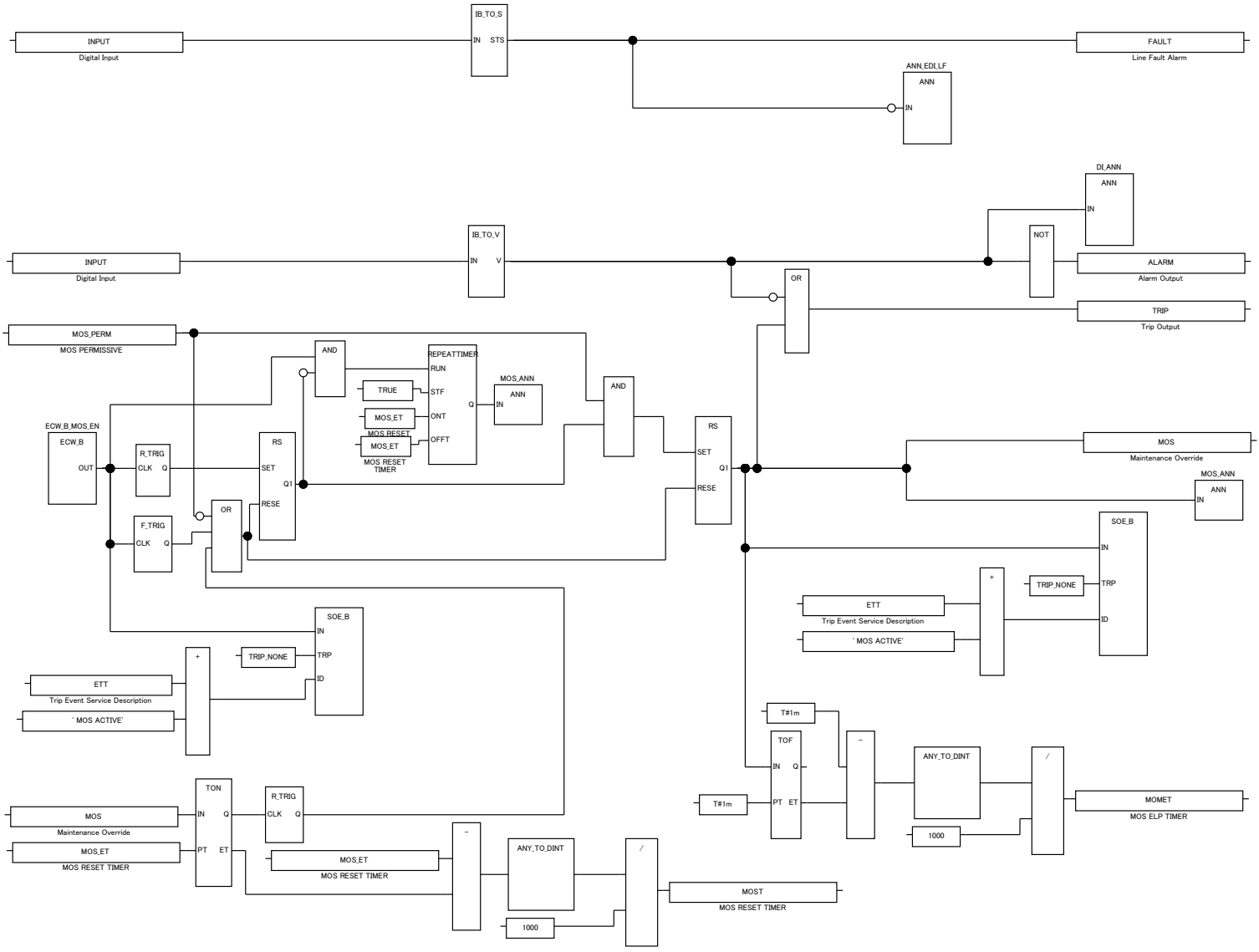
1.36. EDI_LM(* Energize to trip with LM *)

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: 89
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

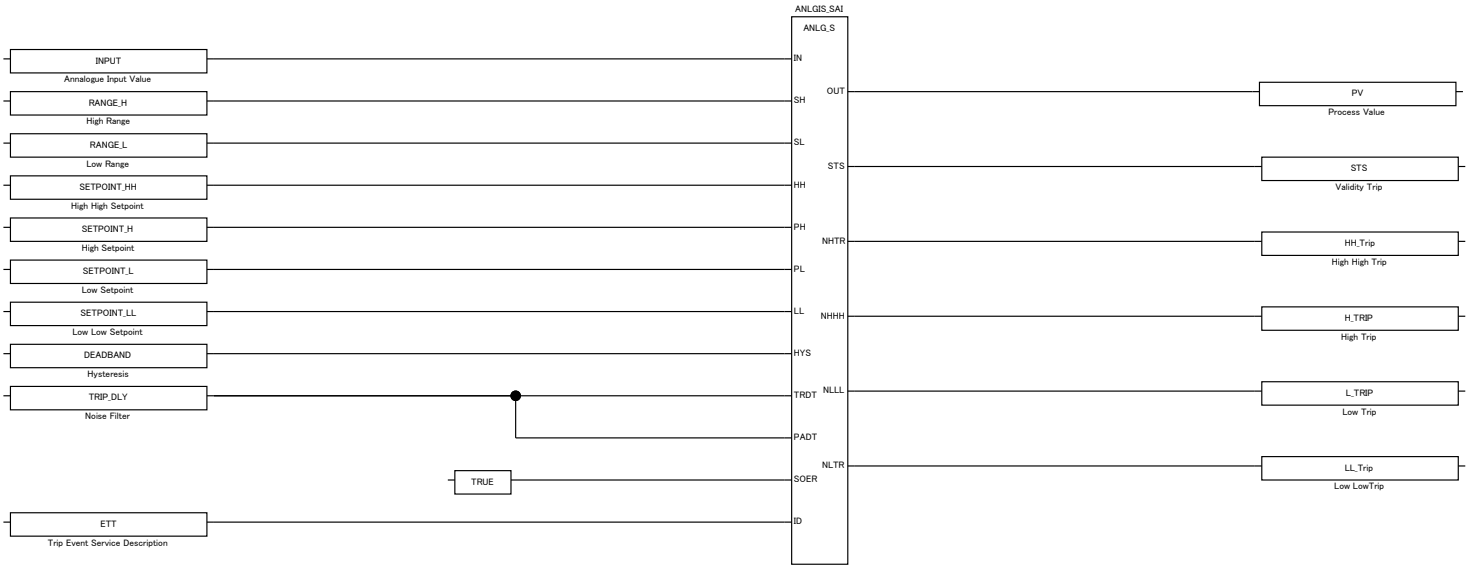
1.37. SAI(* IPS Analog input with HH/LL trip *)

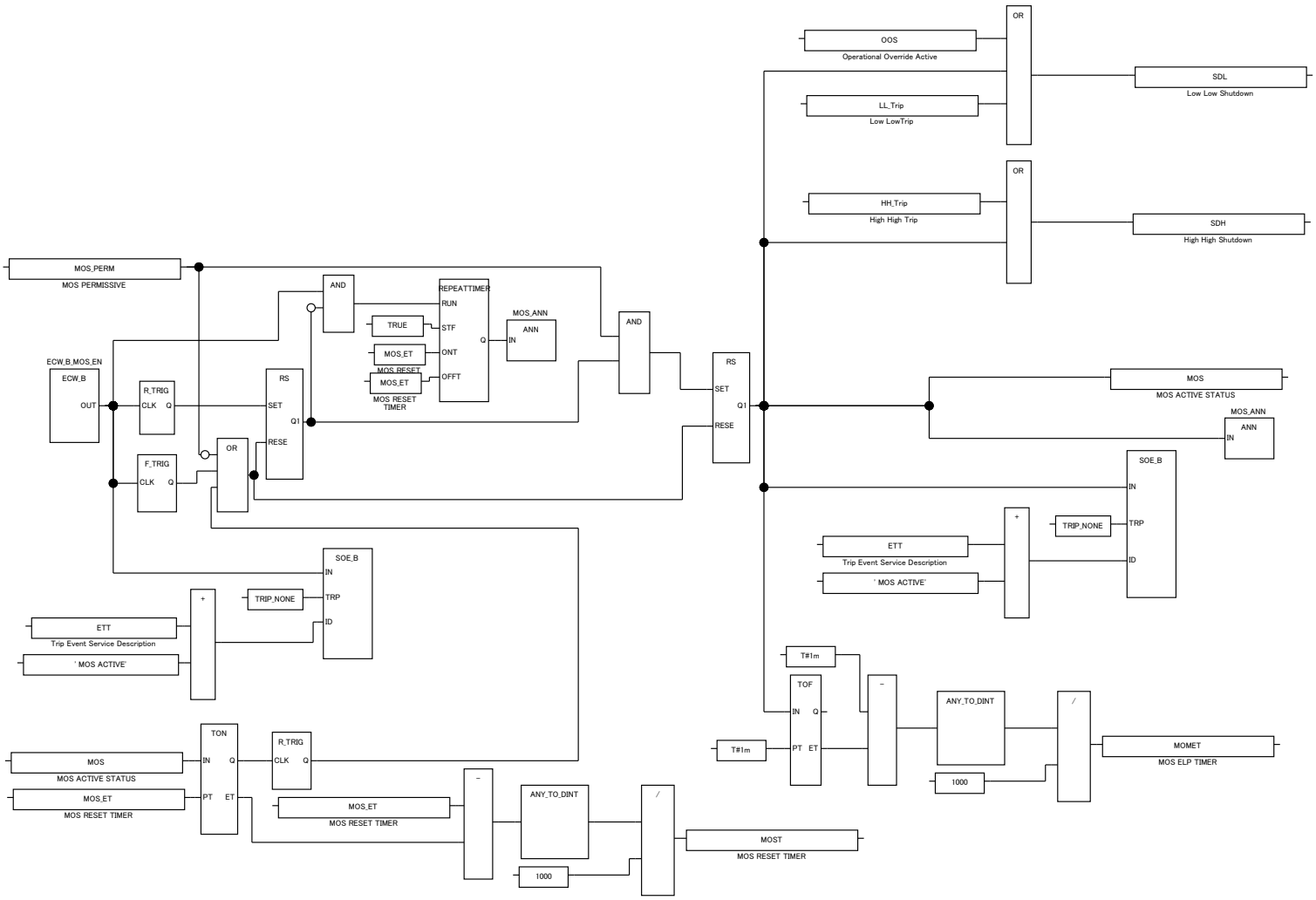
YOKOGAWA

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





AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 91
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

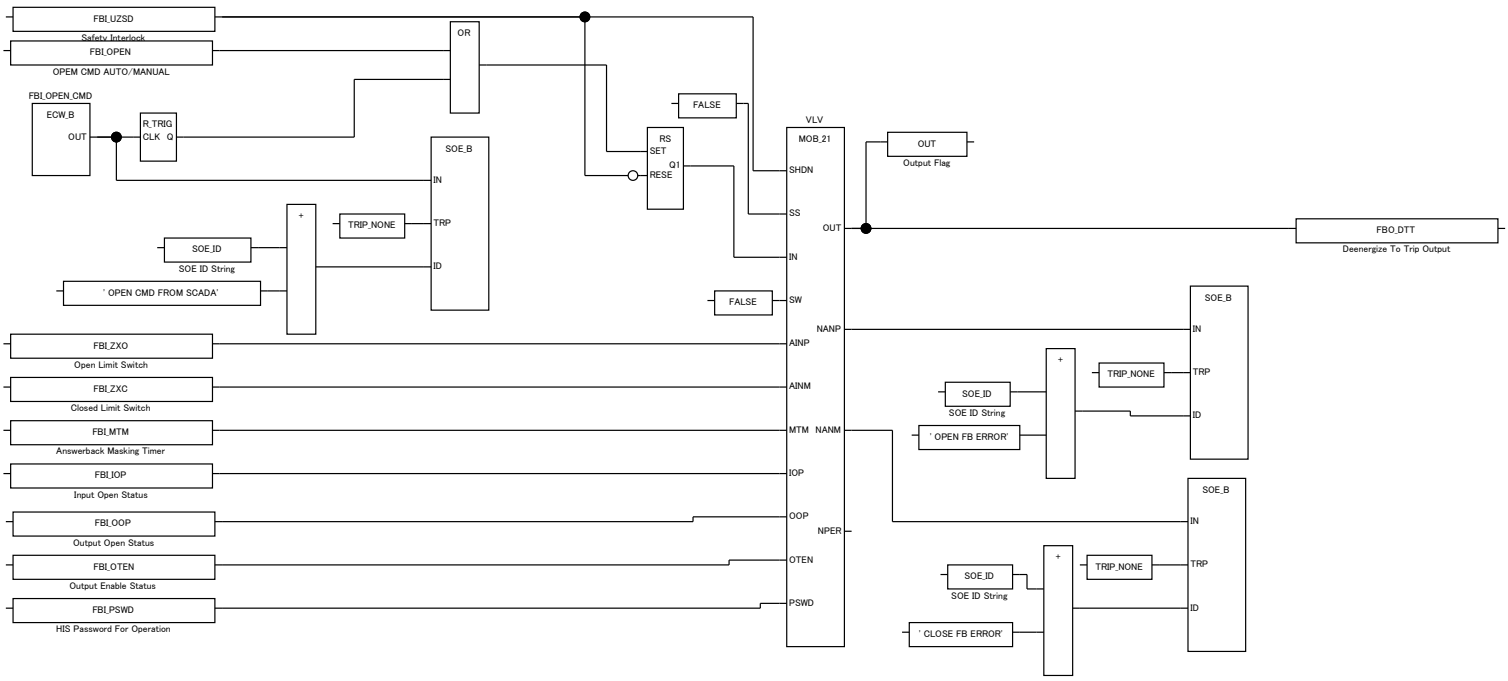
1.38. SDV_1(* SDV VLV Position FB with Manua/Auto Open *)

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



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		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

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

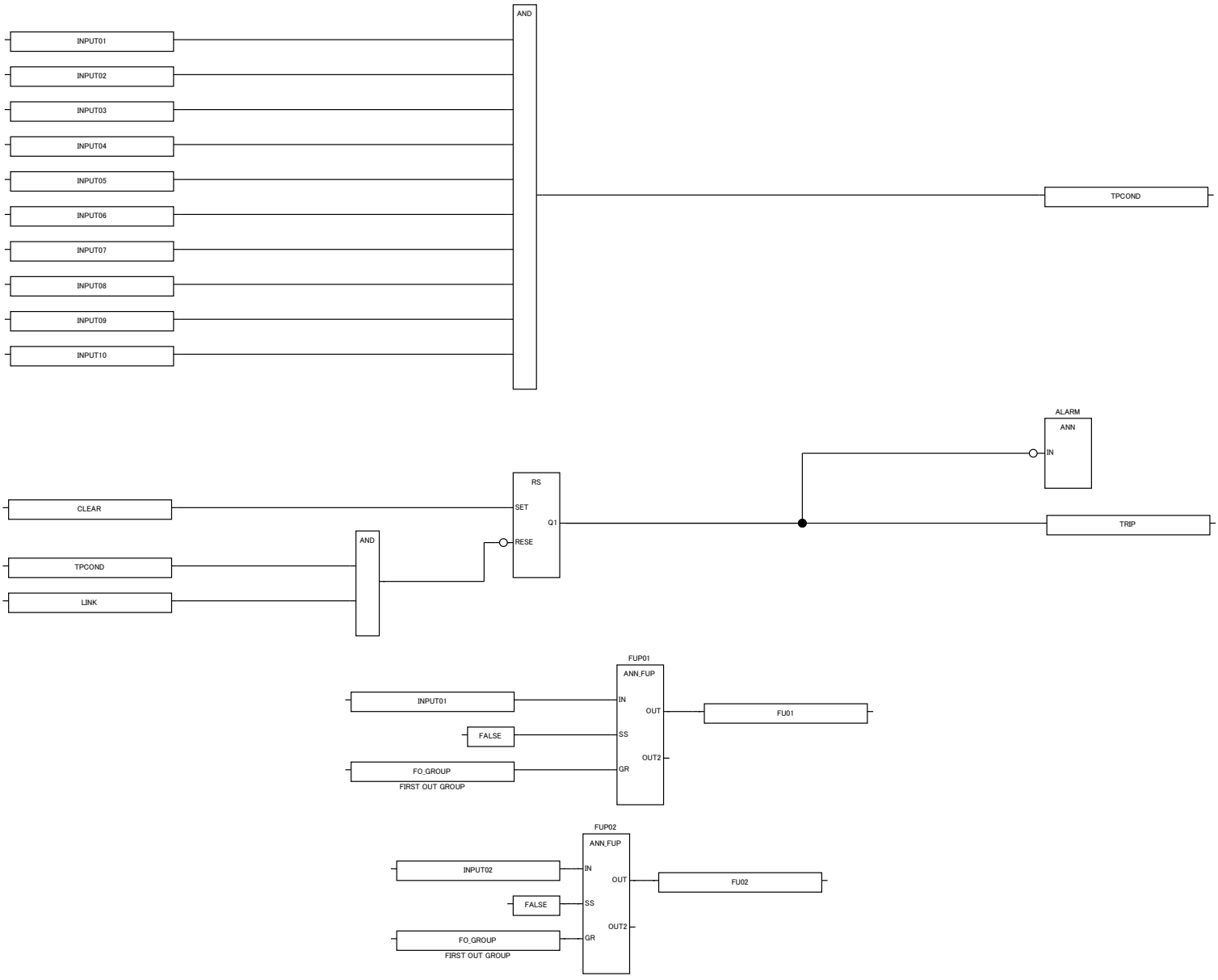
1.0.0

YOKOGAWA

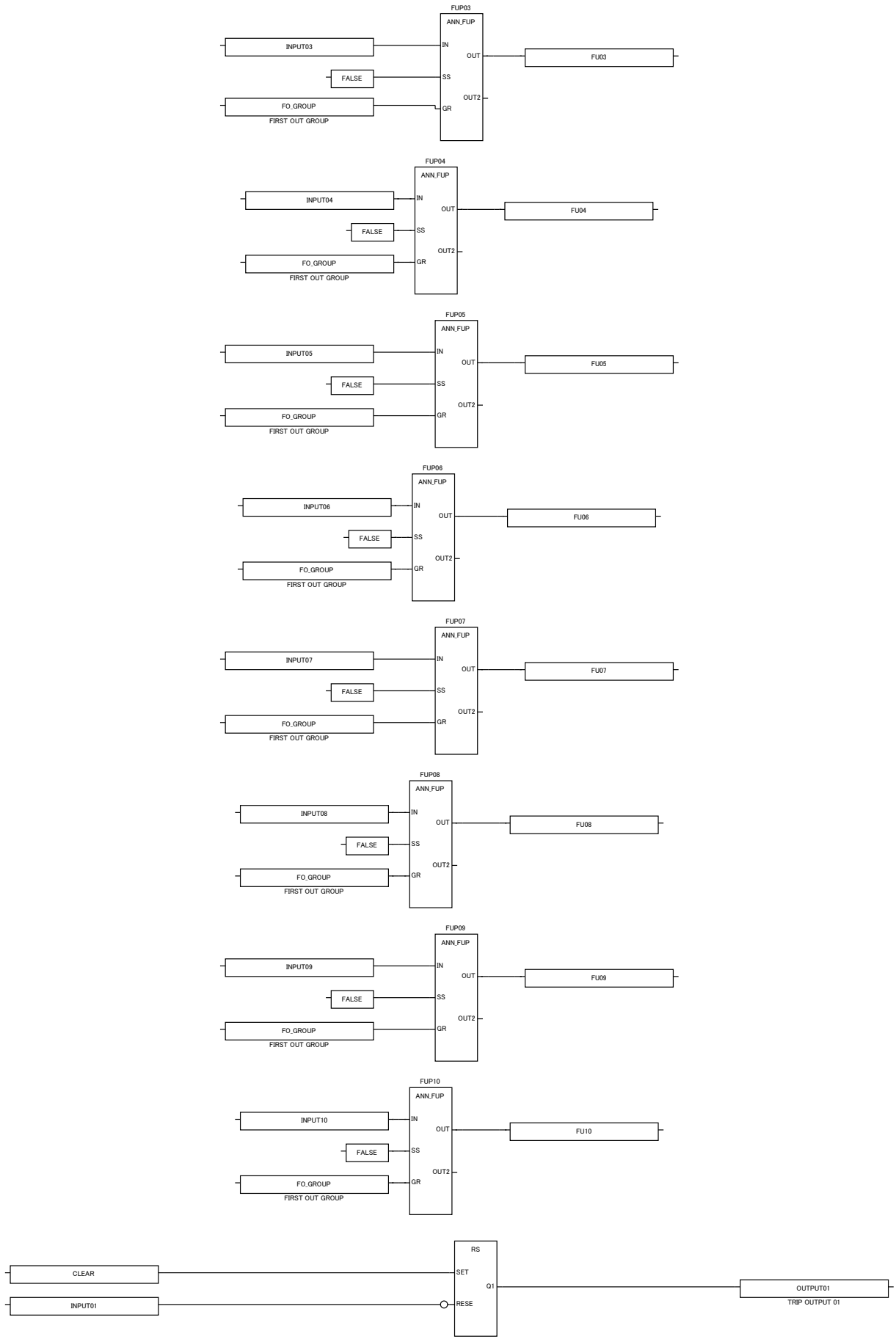
TYPICAL : UZGRP (User Defined Function Block)

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.

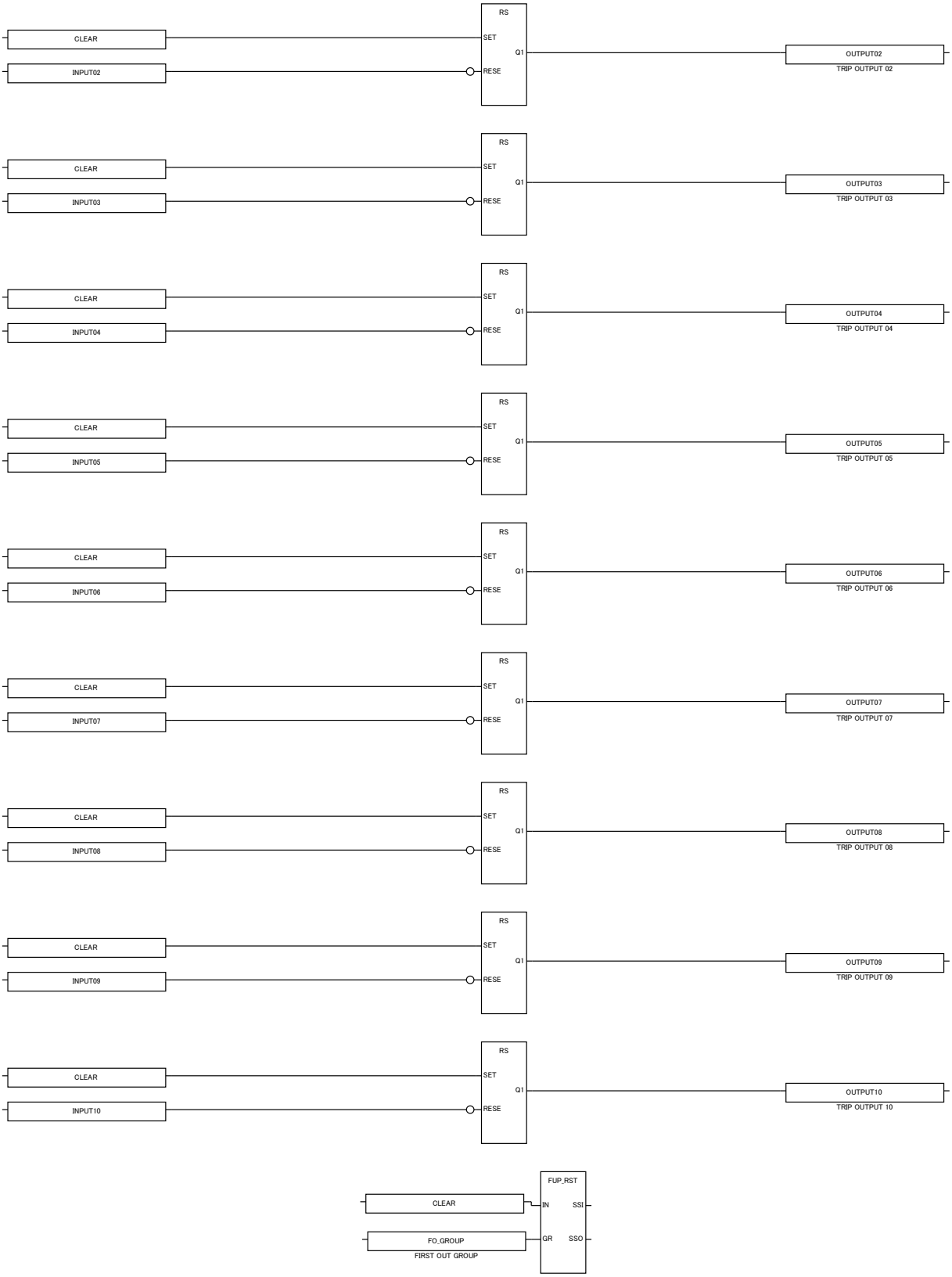
Rev 00



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		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



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		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		



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		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

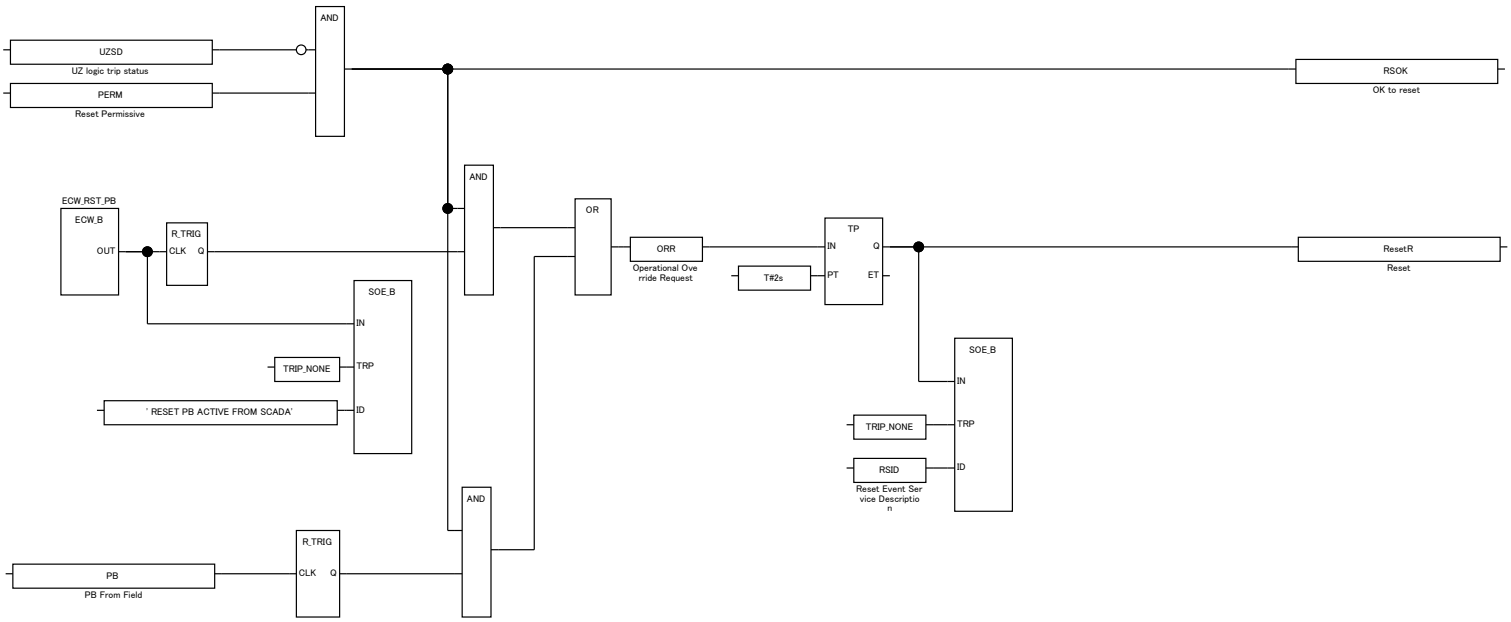
1.40. UZRST(* IPS Reset for UZ group *)

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	PAGE: 96
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

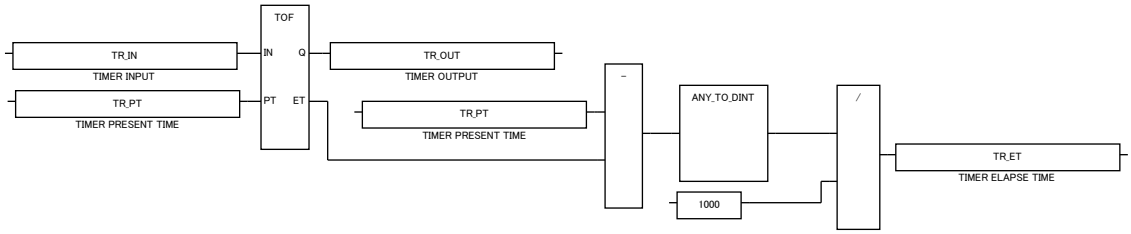
1.41. TOF_TIMER

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	PAGE: 97
SCS PROJECT:	SCS0110	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-SIS		
SYSTEM:	ESD	POU COMMENT:		DATE:	26-DEC-24		TOTAL: 97
				REVISION:	03		

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		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

Table of contents

Cover Page i
Table of contents ii
1. POU 1
1.1. REV_HIS(* Rev History - Application Program Rev Information *) 1.1-1
1.2. DIAG_SYS(* System Diagnostic *) 1.2-1
1.3. RECV(* Signal Transfer - Receive *) 1.3-1
1.4. AI_FD_01(* Analog Input Processing-Flame Detector *) 1.4-1
1.5. AI_FD_02(* Analog Input Processing-Flame Detector *) 1.5-1
1.6. AI_FD_03(* Analog Input Processing-Flame Detector *) 1.6-1
1.7. AI_FD_04(* Analog Input Processing-Flame Detector *) 1.7-1
1.8. AI_GD_01(* Analog Input Processing-Gas Detector *) 1.8-1
1.9. AI_GD_02(* Analog Input Processing-Gas Detector *) 1.9-1
1.10. AI_GD_03(* Analog Input Processing-Gas Detector *) 1.10-1
1.11. AI_GD_04(* Analog Input Processing-Gas Detector *) 1.11-1
1.12. AI_GD_05(* Analog Input Processing-Gas Detector *) 1.12-1
1.13. AI_GD_06(* Analog Input Processing-Gas Detector *) 1.13-1
1.14. AI_GD_07(* Analog Input Processing-Gas Detector *) 1.14-1
1.15. AI_GD_08(* Analog Input Processing-Gas Detector *) 1.15-1
1.16. AI_LD_01(* Analog Input Processing-Leak & Gas Detector *) 1.16-1
1.17. AI_LD_02(* Analog Input Processing-Leak & Gas Detector *) 1.17-1
1.18. AI_SD_01(* Analog Input Processing-Smoke Detector *) 1.18-1
1.19. AI_SD_02(* Analog Input Processing-Smoke Detector *) 1.19-1
1.20. AI_SD_03(* Analog Input Processing-Smoke Detector *) 1.20-1
1.21. AI_SD_04(* Analog Input Processing-Smoke Detector *) 1.21-1
1.22. DI_01(* Digital Input Processing *) 1.22-1
1.23. DI_02(* Digital Input Processing *) 1.23-1
1.24. DI_03(* Digital Input Processing *) 1.24-1
1.25. DI_04(* Digital Input Processing *) 1.25-1
1.26. DI_05(* Digital Input Processing *) 1.26-1
1.27. V2oo3_01(* Analog Input-Voting 2oo3 *) 1.27-1
1.28. V2oo3_02(* Analog Input-Voting 2oo3 *) 1.28-1
1.29. V1oo3_01(* Analog Input-Voting 1oo3 *) 1.29-1
1.30. V2ooN_01(* Analog Input-Voting 2ooN *) 1.30-1
1.31. V2ooN_02(* Analog Input-Voting 2ooN *) 1.31-1
1.32. CE_LOGIC_01(* C&E Interlock Logic *) 1.32-1
1.33. CE_LOGIC_02(* C&E Interlock Logic *) 1.33-1
1.34. CE_LOGIC_03(* C&E Interlock Logic *) 1.34-1
1.35. CE_LOGIC_04(* C&E Interlock Logic *) 1.35-1
1.36. CE_LOGIC_05(* C&E Interlock Logic *) 1.36-1
1.37. CE_LOGIC_06(* C&E Interlock Logic *) 1.37-1
1.38. CE_LOGIC_07(* C&E Interlock Logic *) 1.38-1
1.39. CE_LOGIC_08(* C&E Interlock Logic *) 1.39-1
1.40. DO1(* Digital Output Processing *) 1.40-1
1.41. DO2(* Digital Output Processing *) 1.41-1
1.42. SEND(* Signal Transfer - Send *) 1.42-1
1.43. RESET_LOGIC_01(* Interlock Reset Logic *) 1.43-1
1.44. RESET_LOGIC_02(* Interlock Reset & MOS-Enable Logic *) 1.44-1
1.45. H2_DECT_LOGIC(* H2 Detector Interlock Logic *) 1.45-1
1.46. H2_DECT_LOGIC1(* H2 Detector Interlock Logic *) 1.46-1
1.47. TO_HMI(* ANLG Status *) 1.47-1
1.48. TO_HMI_1(* ANLG Status *) 1.48-1
1.49. F23(* FGS Voter 2oo3 *) 1.49-1
1.50. FG_DOUT(* FGS Delayed Action with Ackowledgement *) 1.50-1
1.51. FG_FLAME_IR(* Flame Detector Analog Input *) 1.51-1
1.52. FG_GD(* Gas Detector Analog Input *) 1.52-1
1.53. FG_LD(* LeakDetector Analog Input *) 1.53-1
1.54. FG_MAN_REL_NC(* FGS NC Type Digital Input *) 1.54-1
1.55. FG_MAN_REL_NO(* FGS NO Type Digital Input *) 1.55-1
1.56. FG_SD(* Smoke Detector Analog Input *) 1.56-1
1.57. FG_V2N(* 2ooN Detectors Vote *) 1.57-1
1.58. UZGRP(* IPS UZ group with 10 inputs *) 1.58-1
1.59. UZRST(* IPS Reset for UZ group *) 1.59-1

1. POU

1.1. 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: FGS APPLICATION

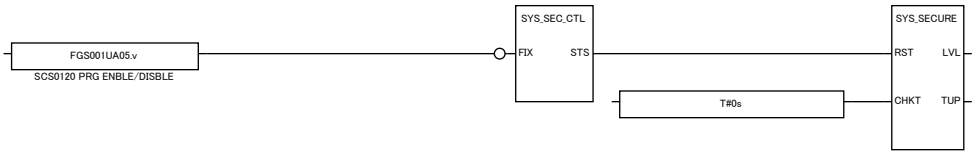
Process Units: -

**********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

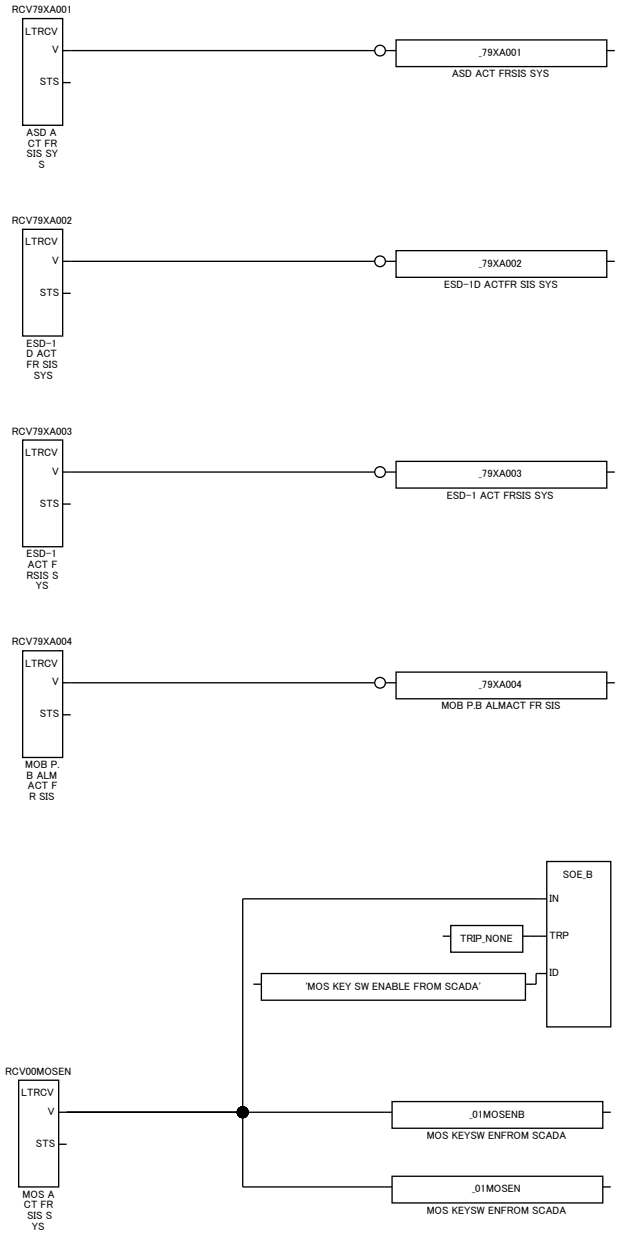
1.2. DIAG_SYS(* System Diagnostic *)

SCS0120_SYS_SEC PROGRAM SYSTEM ENABLE



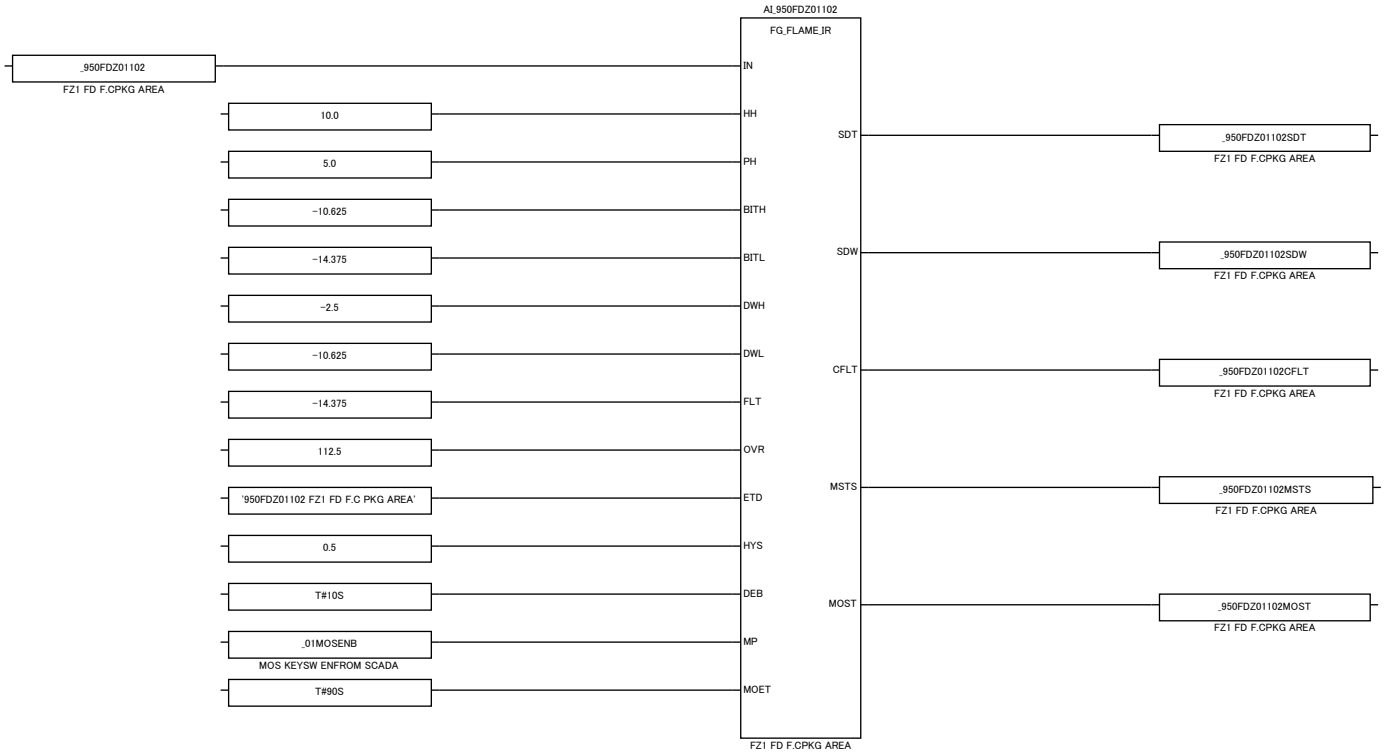
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 4
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

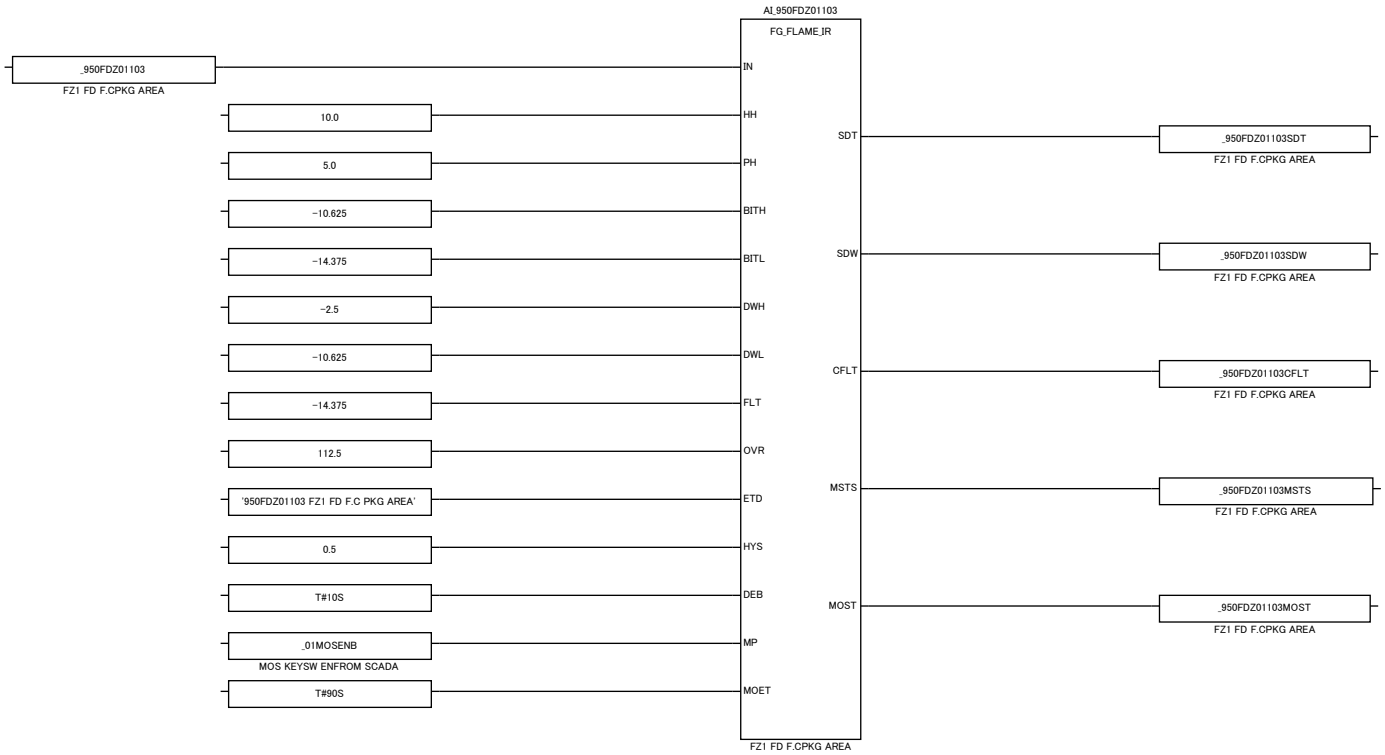
1.3. RECV(* Signal Transfer - Receive *)

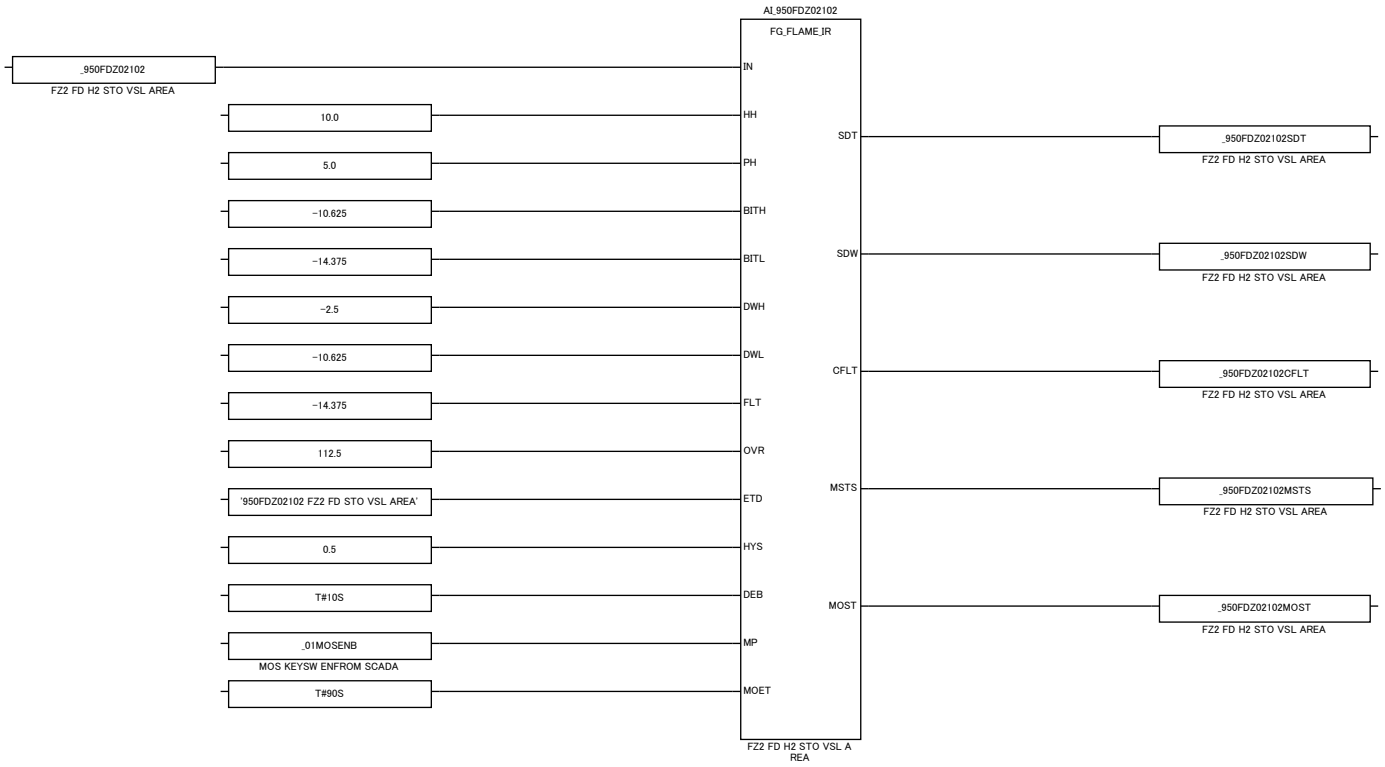


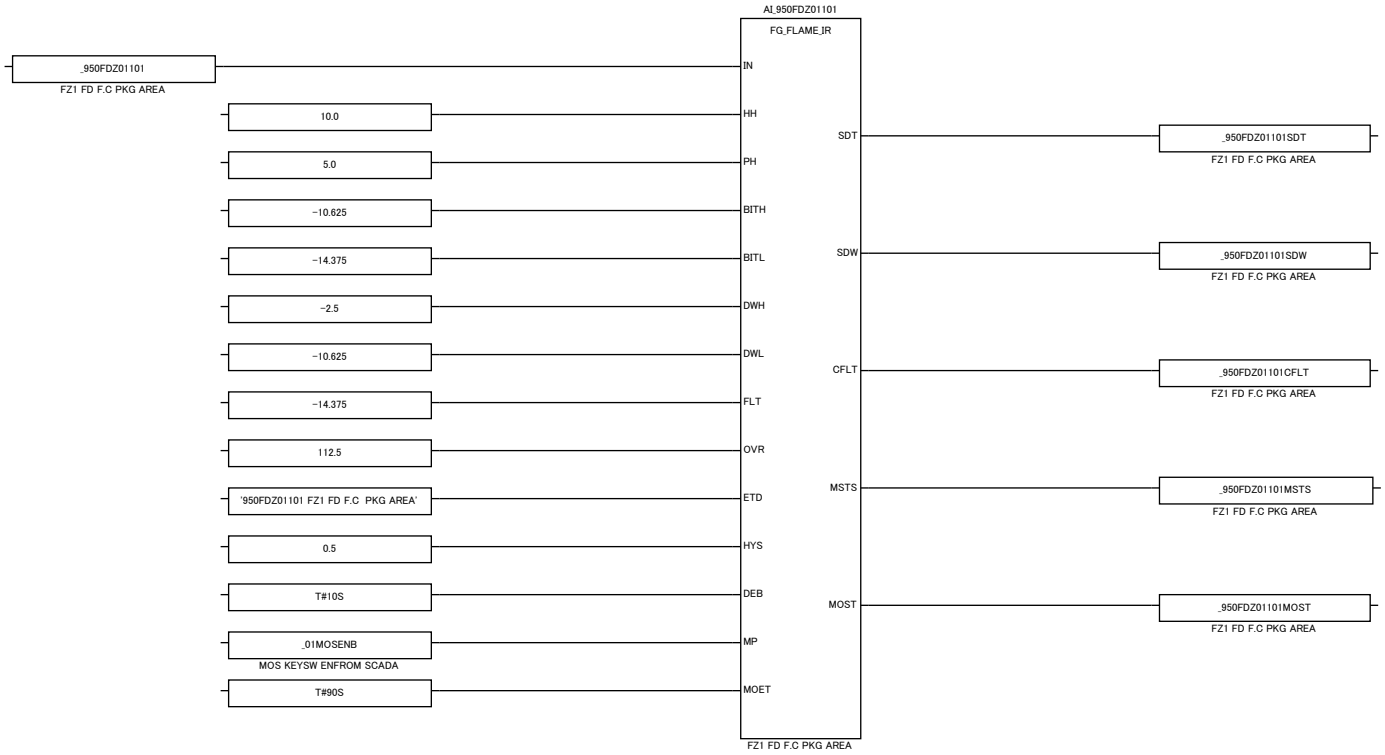
1.4. AI_FD_01(* Analog Input Processing-Flame Detector *)

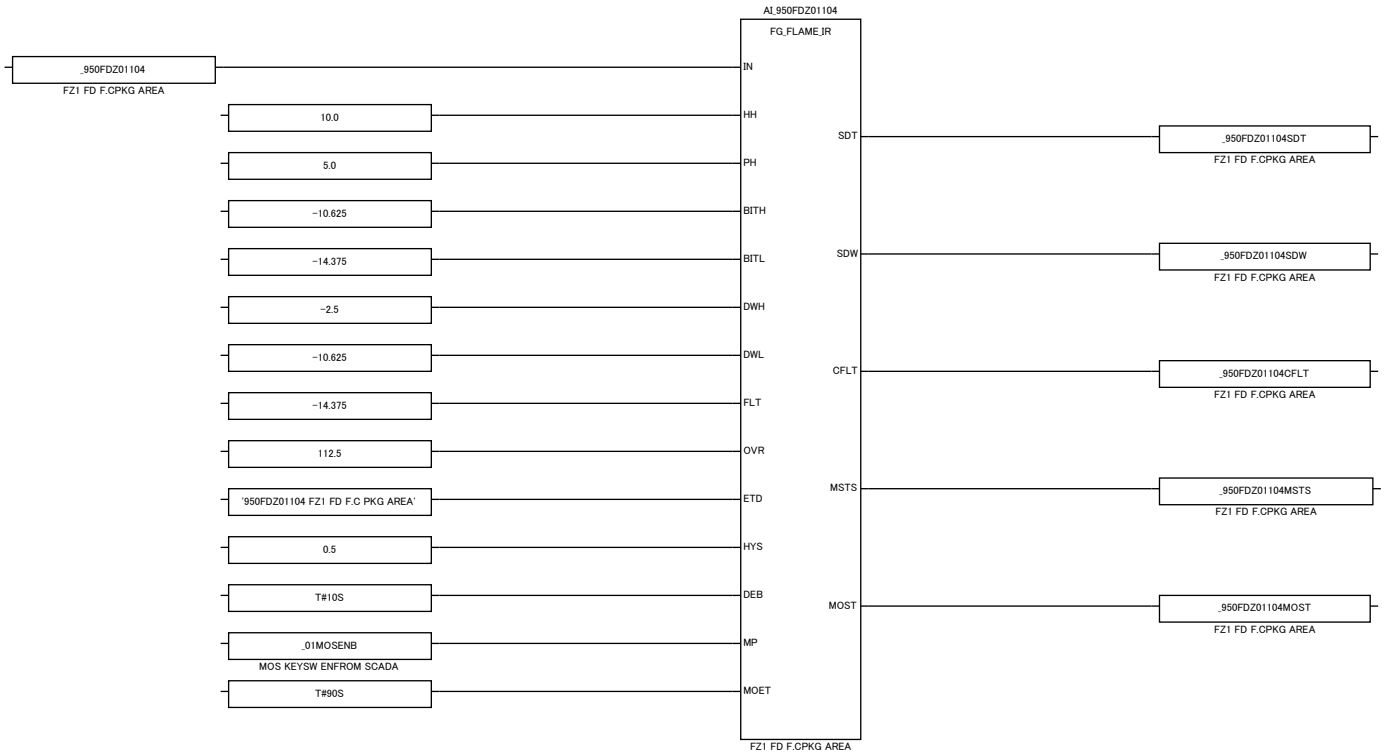
FOR ALL FLAME DETECTOR HI & HIHI VA
LUE TO BE UPDATED IN FAT

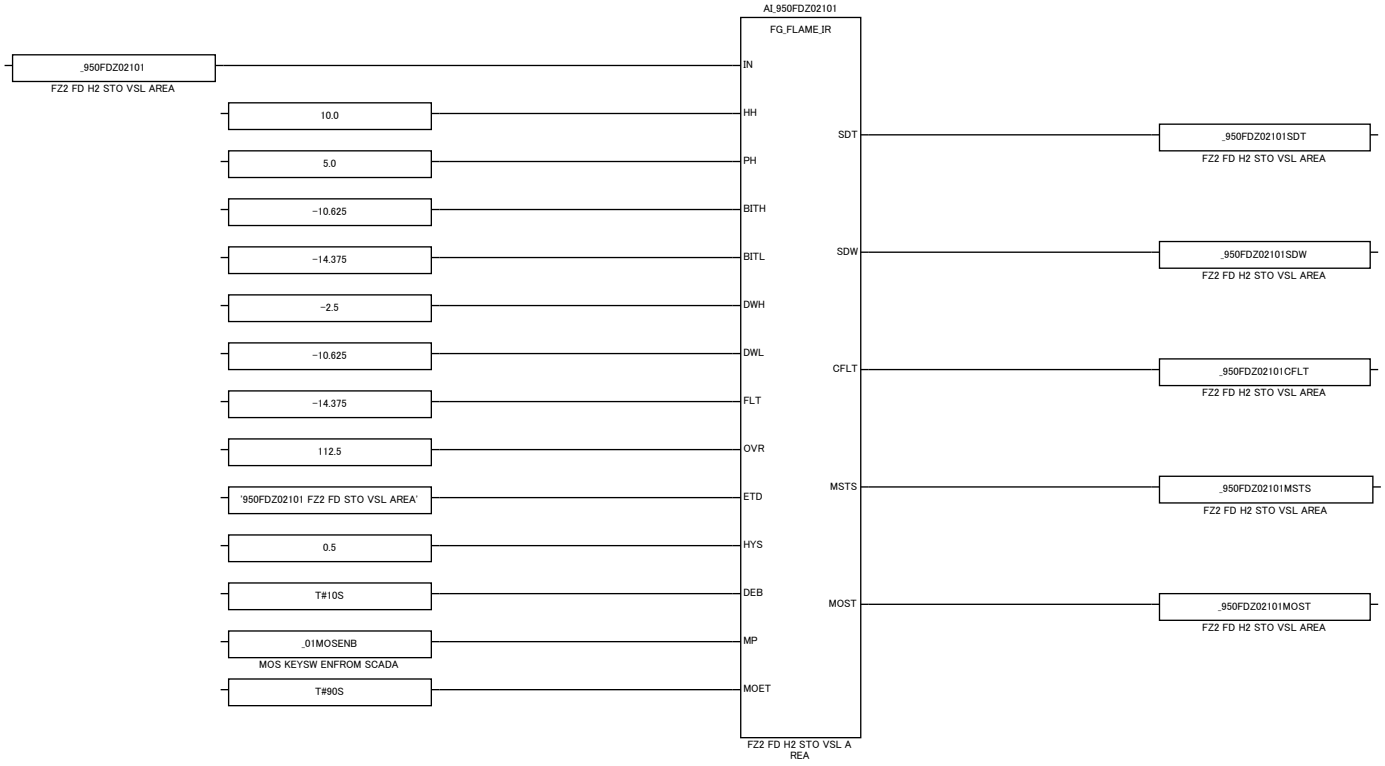





AI_950FDZ02102
FG_FLAME_IR
_950FDZ02102
FZ2 FD H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ02102 FZ2 FD STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950FDZ02102SDT
FZ2 FD H2 STO VSL AREA
SDW
_950FDZ02102SDW
FZ2 FD H2 STO VSL AREA
CFLT
_950FDZ02102CFLT
FZ2 FD H2 STO VSL AREA
MSTS
_950FDZ02102MSTS
FZ2 FD H2 STO VSL AREA
MOST
_950FDZ02102MOST
FZ2 FD H2 STO VSL AREA
FZ2 FD H2 STO VSL A
REA

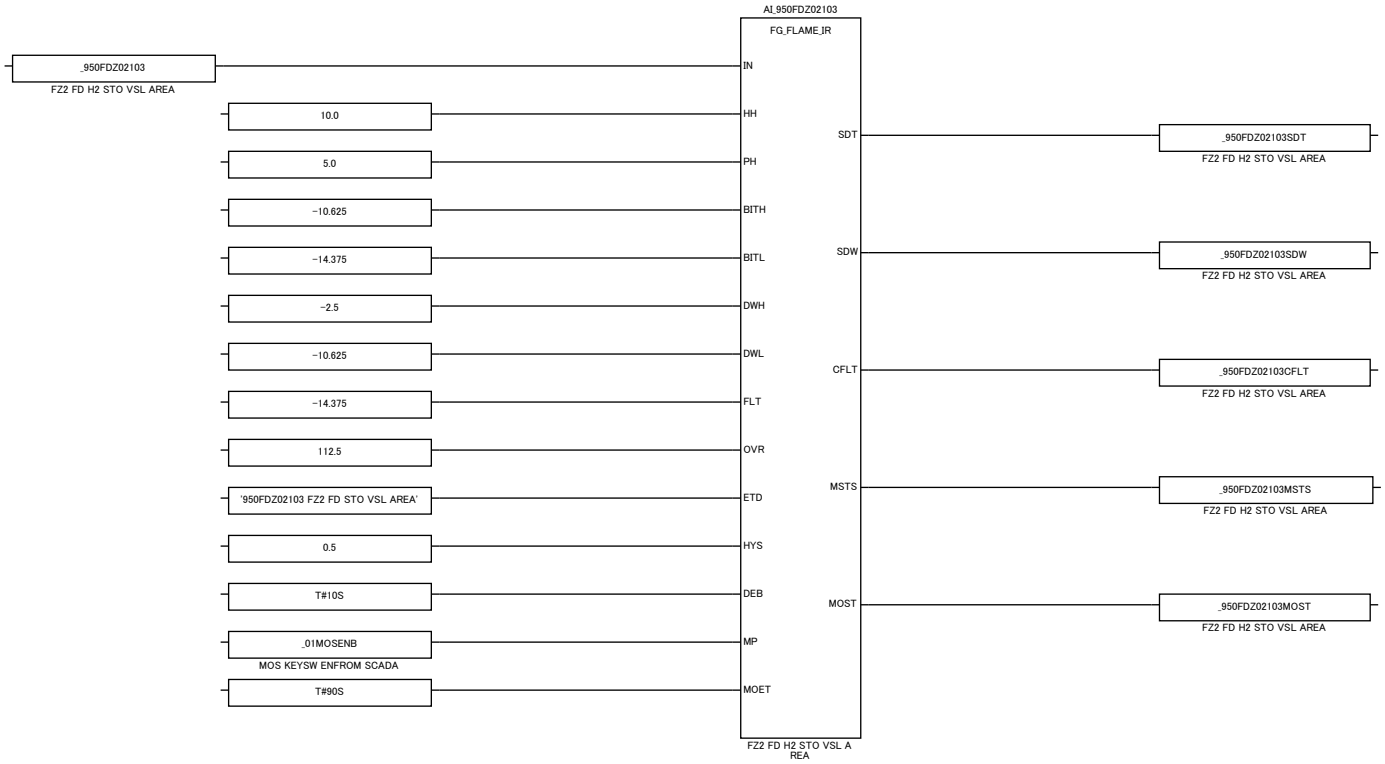

AI_950FDZ01101
FG_FLAME_IR
_950FDZ01101
FZ1 FD F.C PKG AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ01101 FZ1 FD F.C PKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950FDZ01101SDT
FZ1 FD F.C PKG AREA
SDW
_950FDZ01101SDW
FZ1 FD F.C PKG AREA
CFLT
_950FDZ01101CFLT
FZ1 FD F.C PKG AREA
MSTS
_950FDZ01101MSTS
FZ1 FD F.C PKG AREA
MOST
_950FDZ01101MOST
FZ1 FD F.C PKG AREA
FZ1 FD F.C PKG AREA

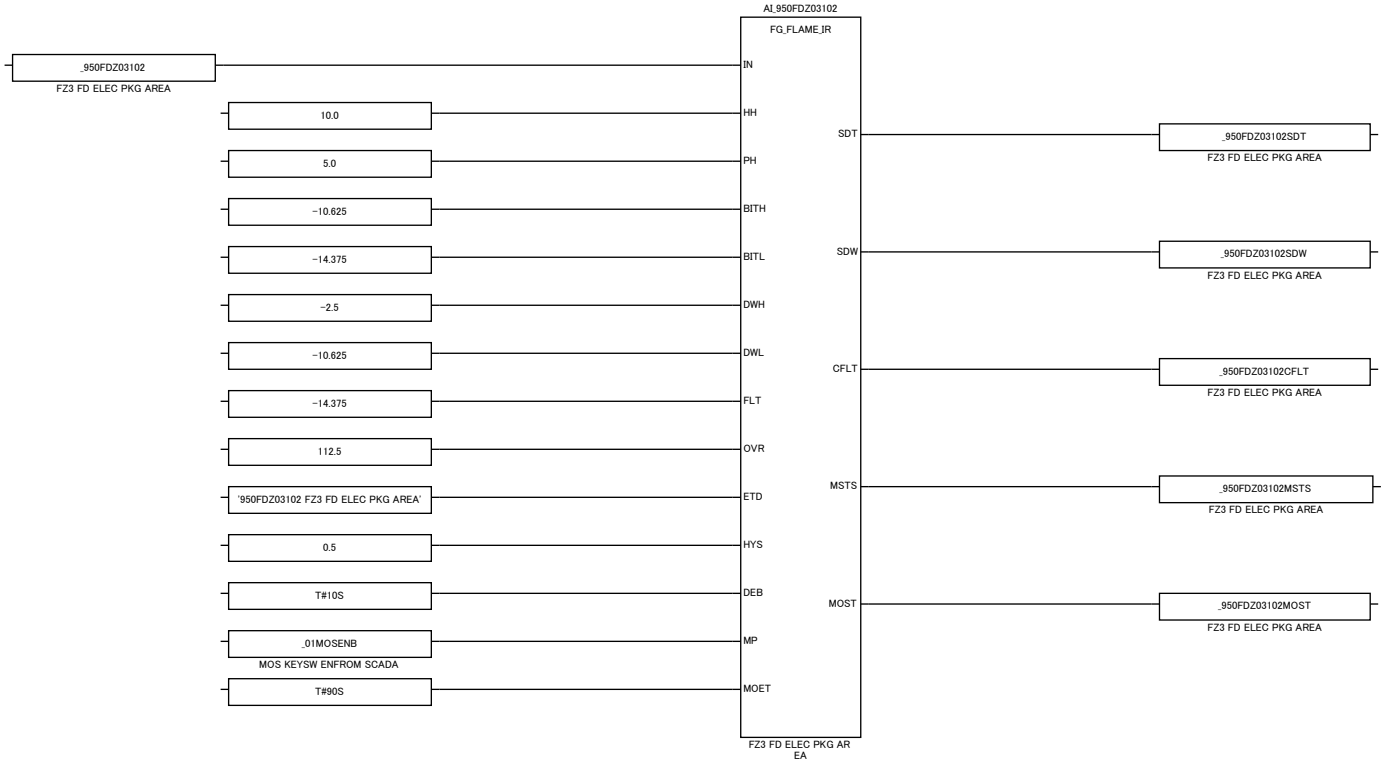

AI_950FDZ01104
FG_FLAME_IR
_950FDZ01104
FZ1 FD F.CPKG AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ01104 FZ1 FD F.C PKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ1 FD F.CPKG AREA
SDT
_950FDZ01104SDT
FZ1 FD F.CPKG AREA
SDW
_950FDZ01104SDW
FZ1 FD F.CPKG AREA
CFLT
_950FDZ01104CFLT
FZ1 FD F.CPKG AREA
MSTS
_950FDZ01104MSTS
FZ1 FD F.CPKG AREA
MOST
_950FDZ01104MOST
FZ1 FD F.CPKG AREA

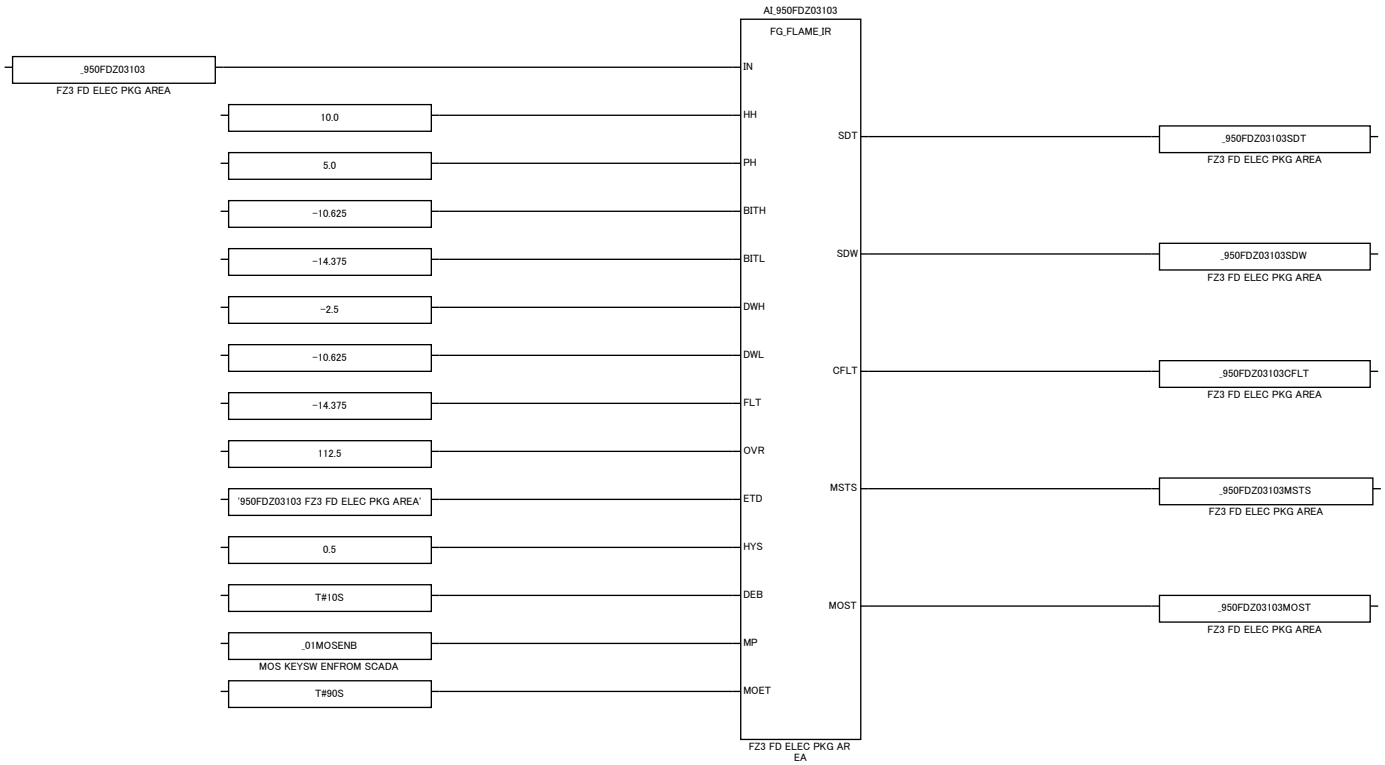

AI_950FDZ02101
FG_FLAME_IR
_950FDZ02101
FZ2 FD H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ02101 FZ2 FD STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ2 FD H2 STO VSL A REA
SDT
_950FDZ02101SDT
FZ2 FD H2 STO VSL AREA
SDW
_950FDZ02101SDW
FZ2 FD H2 STO VSL AREA
CFLT
_950FDZ02101CFLT
FZ2 FD H2 STO VSL AREA
MSTS
_950FDZ02101MSTS
FZ2 FD H2 STO VSL AREA
MOST
_950FDZ02101MOST
FZ2 FD H2 STO VSL AREA

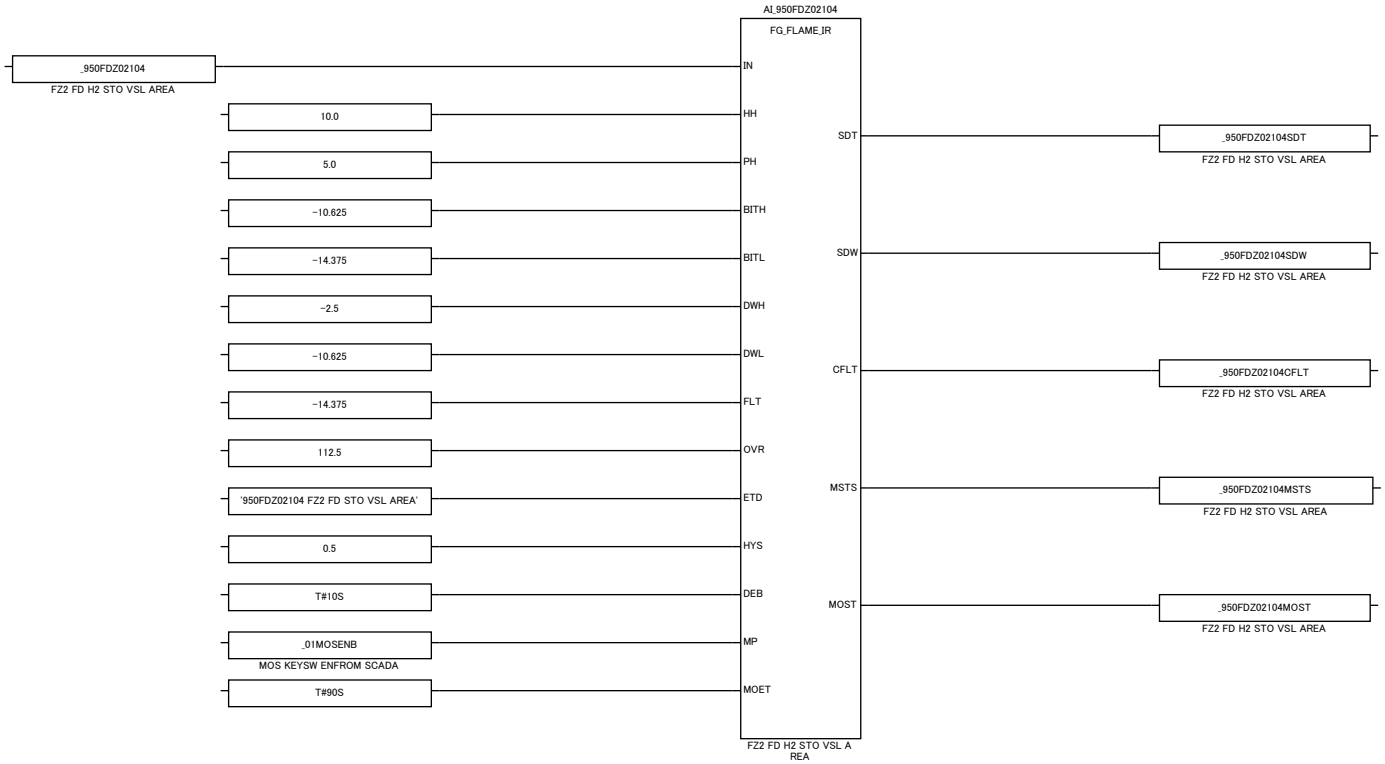
1.5. AI_FD_02(* Analog Input Processing-Flame Detector *)

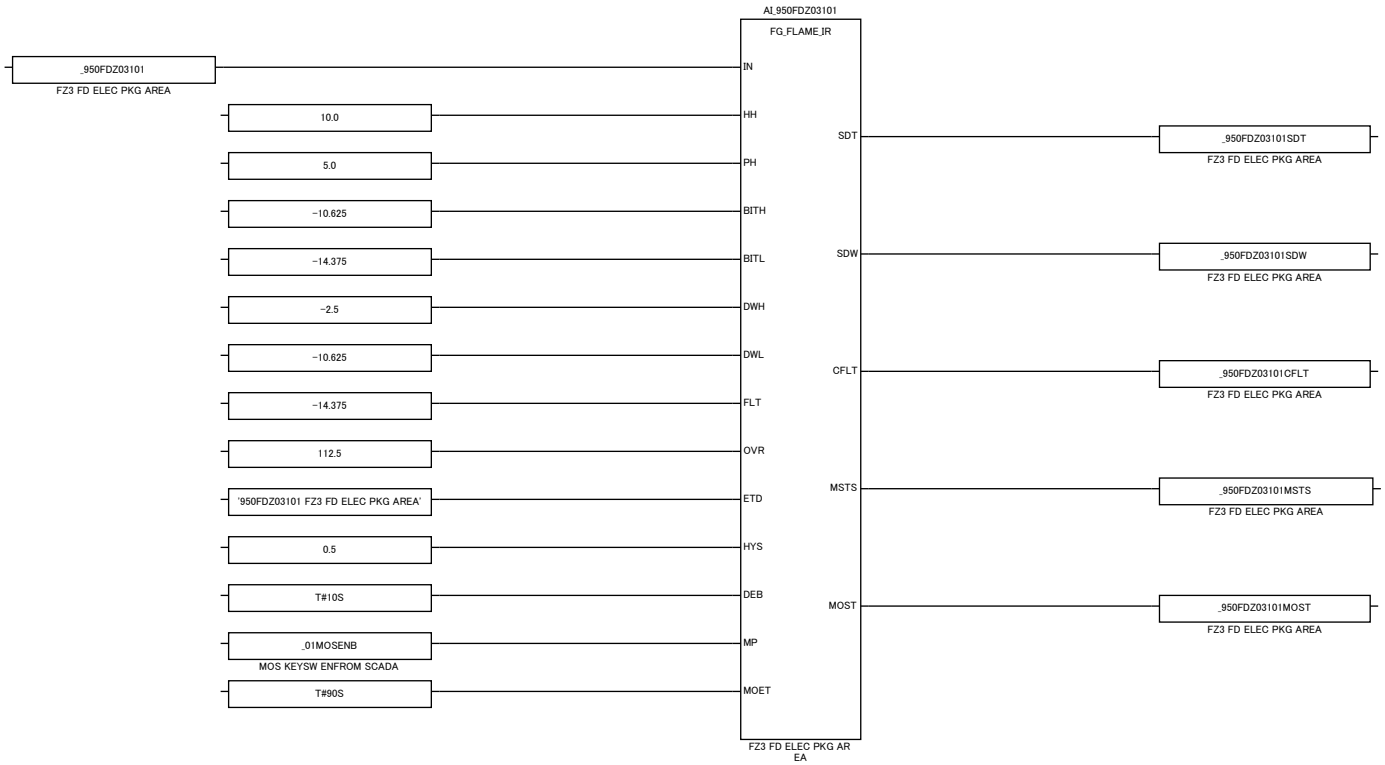
FOR ALL FLAME DETECTOR HI & HIHI VA
LUE TO BE UPDATED IN FAT

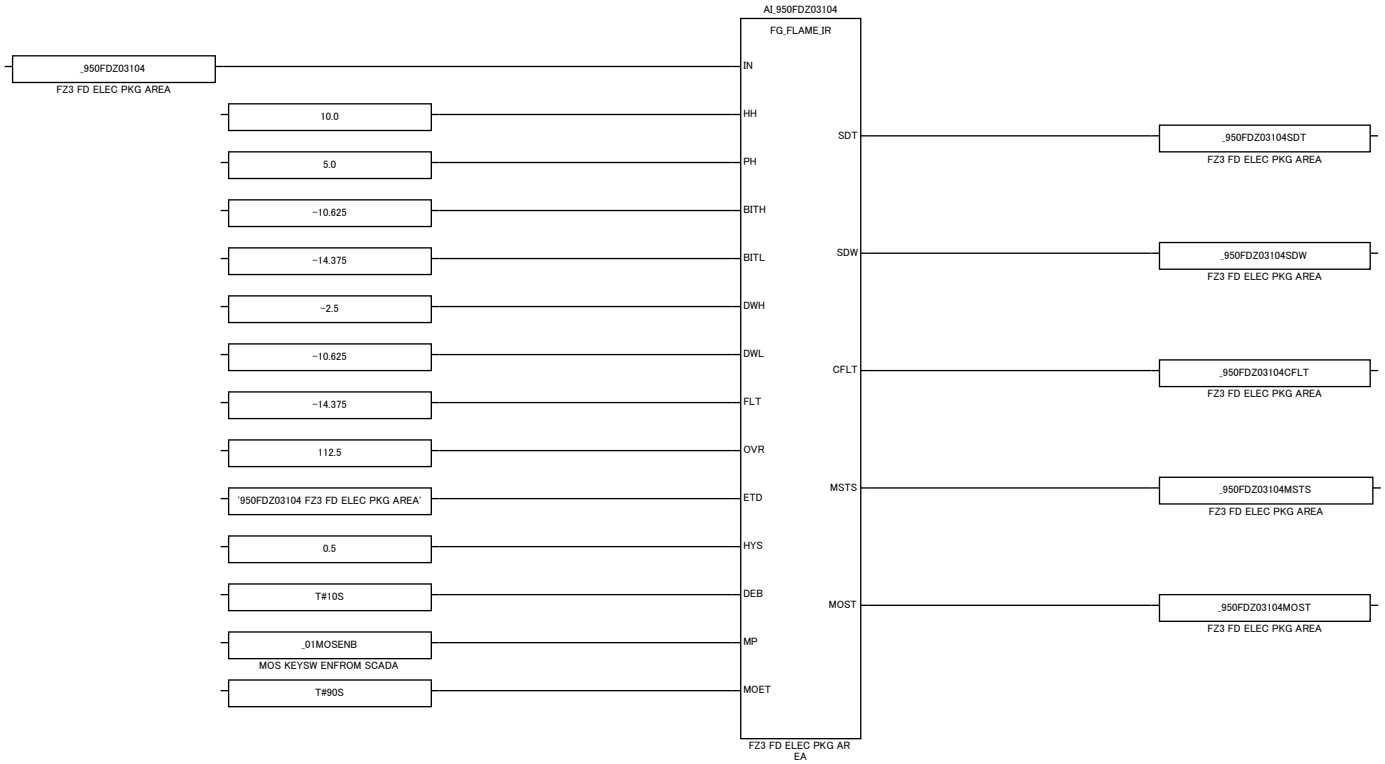





AI_950FDZ03103
FG_FLAME_IR
_950FDZ03103
FZ3 FD ELEC PKG AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ03103 FZ3 FD ELEC PKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950FDZ03103SDT
FZ3 FD ELEC PKG AREA
SDW
_950FDZ03103SDW
FZ3 FD ELEC PKG AREA
CFLT
_950FDZ03103CFLT
FZ3 FD ELEC PKG AREA
MSTS
_950FDZ03103MSTS
FZ3 FD ELEC PKG AREA
MOST
_950FDZ03103MOST
FZ3 FD ELEC PKG AREA
FZ3 FD ELEC PKG AR
EA

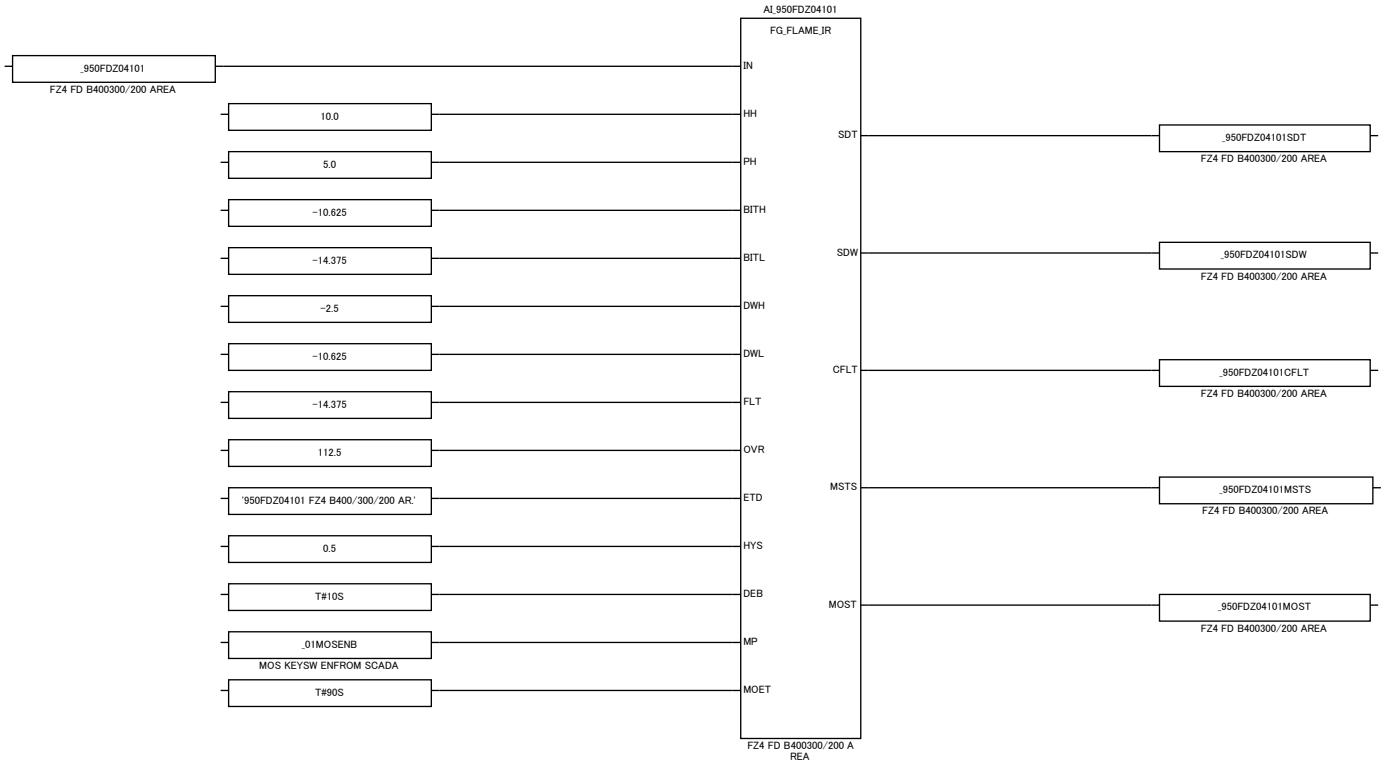

AI_950FDZ02104
FG_FLAME_IR
_950FDZ02104
FZ2 FD H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ02104 FZ2 FD STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950FDZ02104SDT
FZ2 FD H2 STO VSL AREA
SDW
_950FDZ02104SDW
FZ2 FD H2 STO VSL AREA
CFLT
_950FDZ02104CFLT
FZ2 FD H2 STO VSL AREA
MSTS
_950FDZ02104MSTS
FZ2 FD H2 STO VSL AREA
MOST
_950FDZ02104MOST
FZ2 FD H2 STO VSL AREA
FZ2 FD H2 STO VSL A
REA

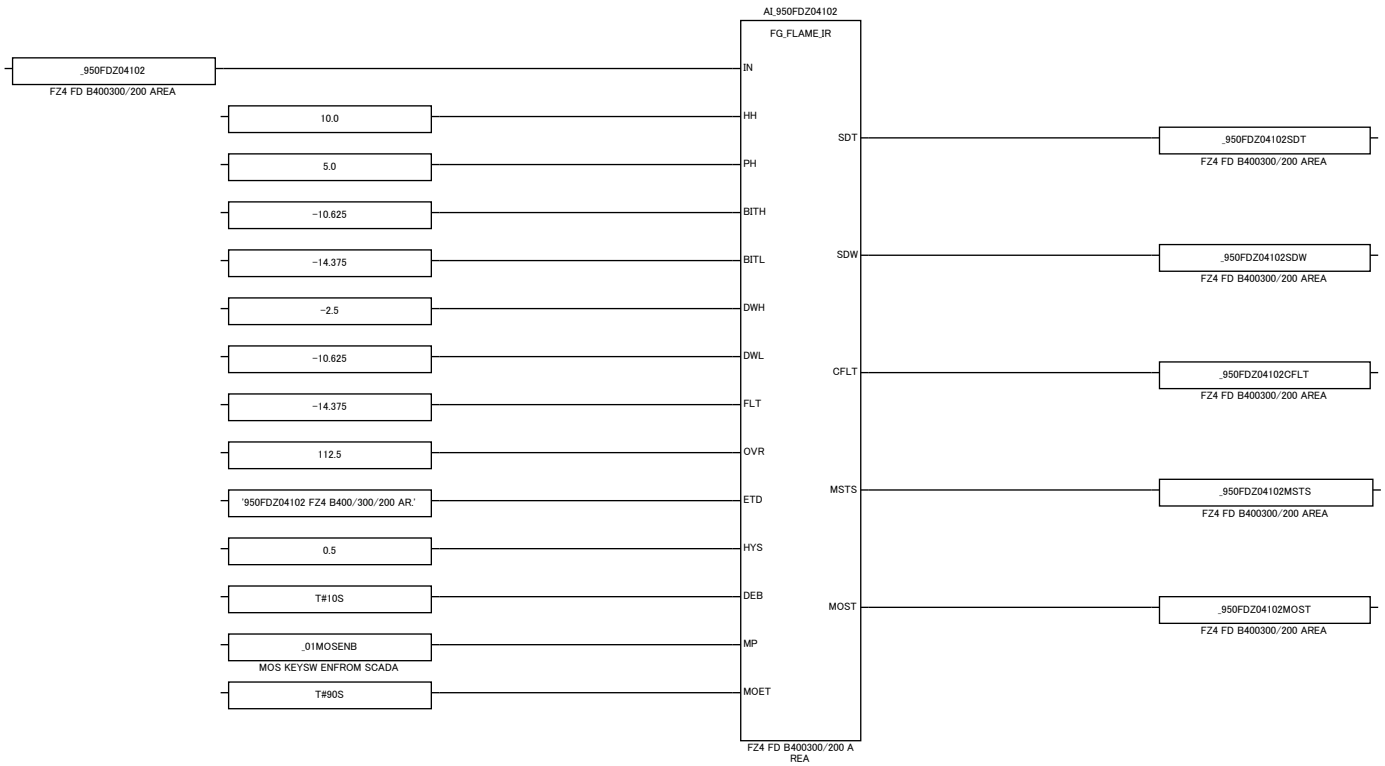

AI_950FDZ03101
FG_FLAME_IR
_950FDZ03101
FZ3 FD ELEC PKG AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ03101 FZ3 FD ELEC PKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950FDZ03101SDT
FZ3 FD ELEC PKG AREA
SDW
_950FDZ03101SDW
FZ3 FD ELEC PKG AREA
CFLT
_950FDZ03101CFLT
FZ3 FD ELEC PKG AREA
MSTS
_950FDZ03101MSTS
FZ3 FD ELEC PKG AREA
MOST
_950FDZ03101MOST
FZ3 FD ELEC PKG AREA
FZ3 FD ELEC PKG AR
EA

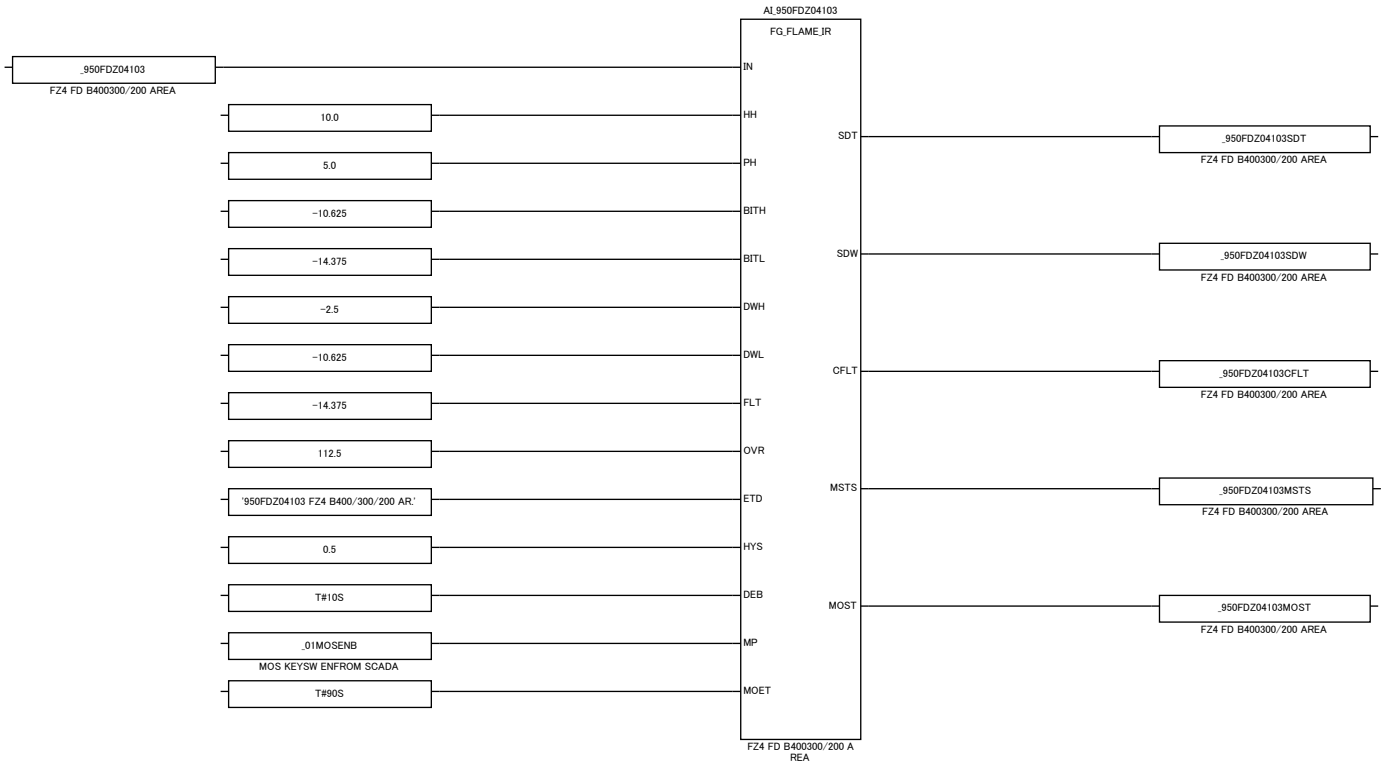

AI_950FDZ03104
FG_FLAME_IR
_950FDZ03104
FZ3 FD ELEC PKG AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ03104 FZ3 FD ELEC PKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950FDZ03104SDT
FZ3 FD ELEC PKG AREA
SDW
_950FDZ03104SDW
FZ3 FD ELEC PKG AREA
CFLT
_950FDZ03104CFLT
FZ3 FD ELEC PKG AREA
MSTS
_950FDZ03104MSTS
FZ3 FD ELEC PKG AREA
MOST
_950FDZ03104MOST
FZ3 FD ELEC PKG AREA
FZ3 FD ELEC PKG AR
EA

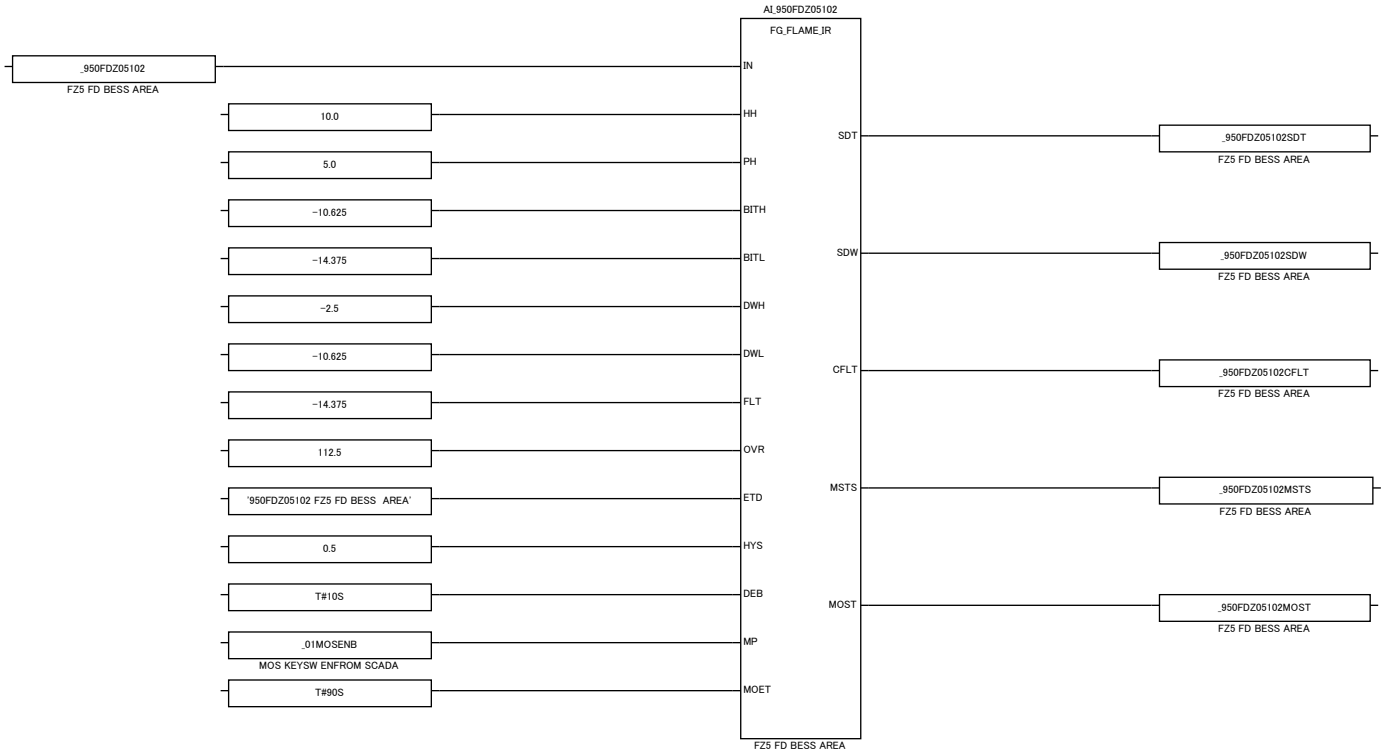
1.6. AI_FD_03(* Analog Input Processing-Flame Detector *)

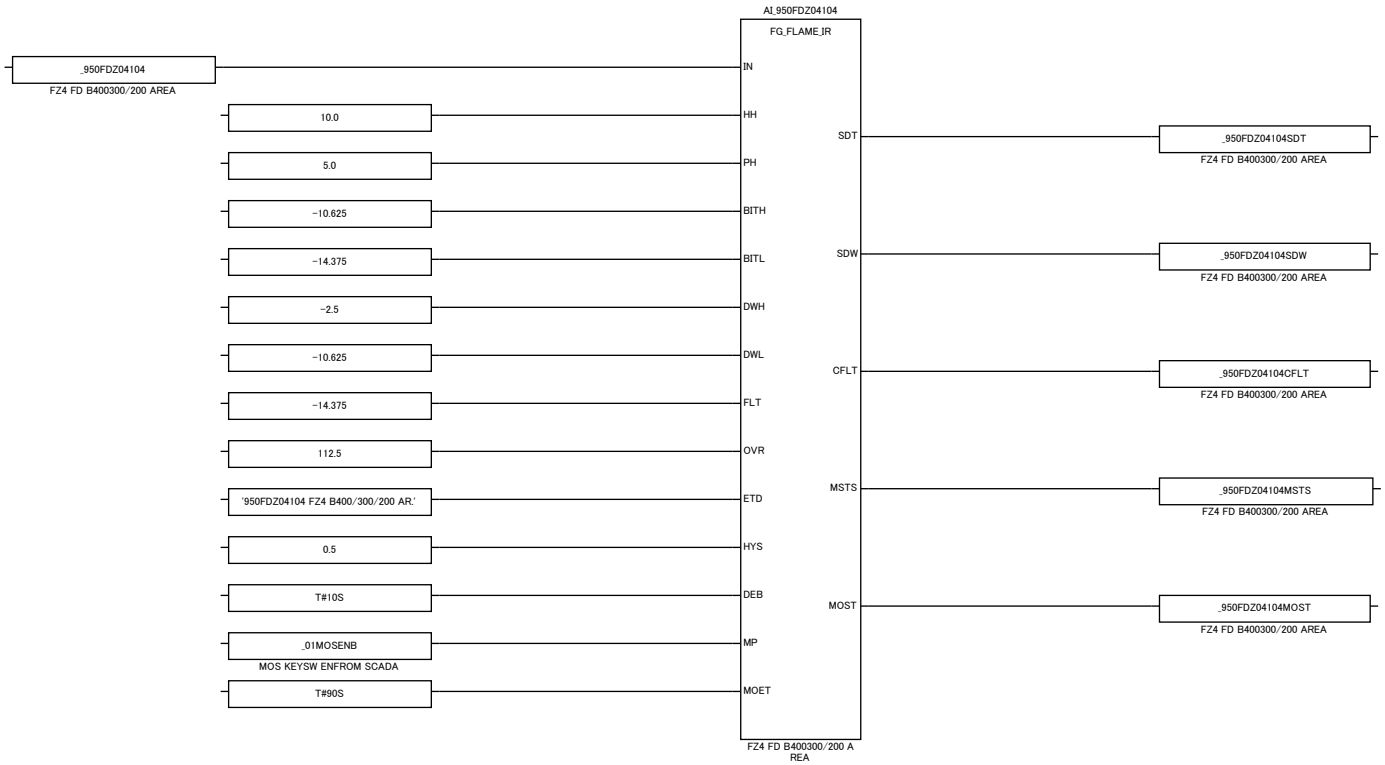
FOR ALL FLAME DETECTOR HI & HIHI VA
LUE TO BE UPDATED IN FAT

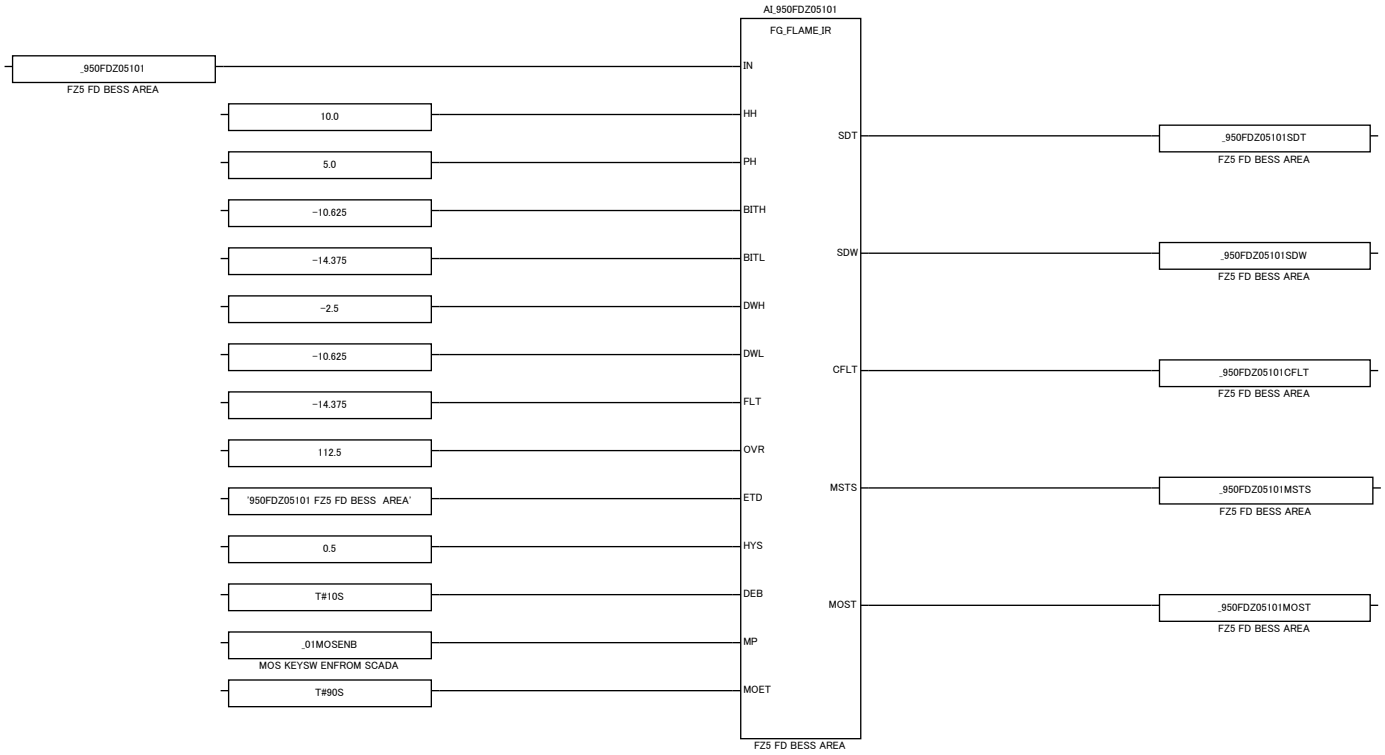





AI_950FDZ04103
FG_FLAME_IR
_950FDZ04103
FZ4 FD B400300/200 AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ04103 FZ4 B400/300/200 AR.'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950FDZ04103SDT
FZ4 FD B400300/200 AREA
SDW
_950FDZ04103SDW
FZ4 FD B400300/200 AREA
CFLT
_950FDZ04103CFLT
FZ4 FD B400300/200 AREA
MSTS
_950FDZ04103MSTS
FZ4 FD B400300/200 AREA
MOST
_950FDZ04103MOST
FZ4 FD B400300/200 AREA
FZ4 FD B400300/200 AREA

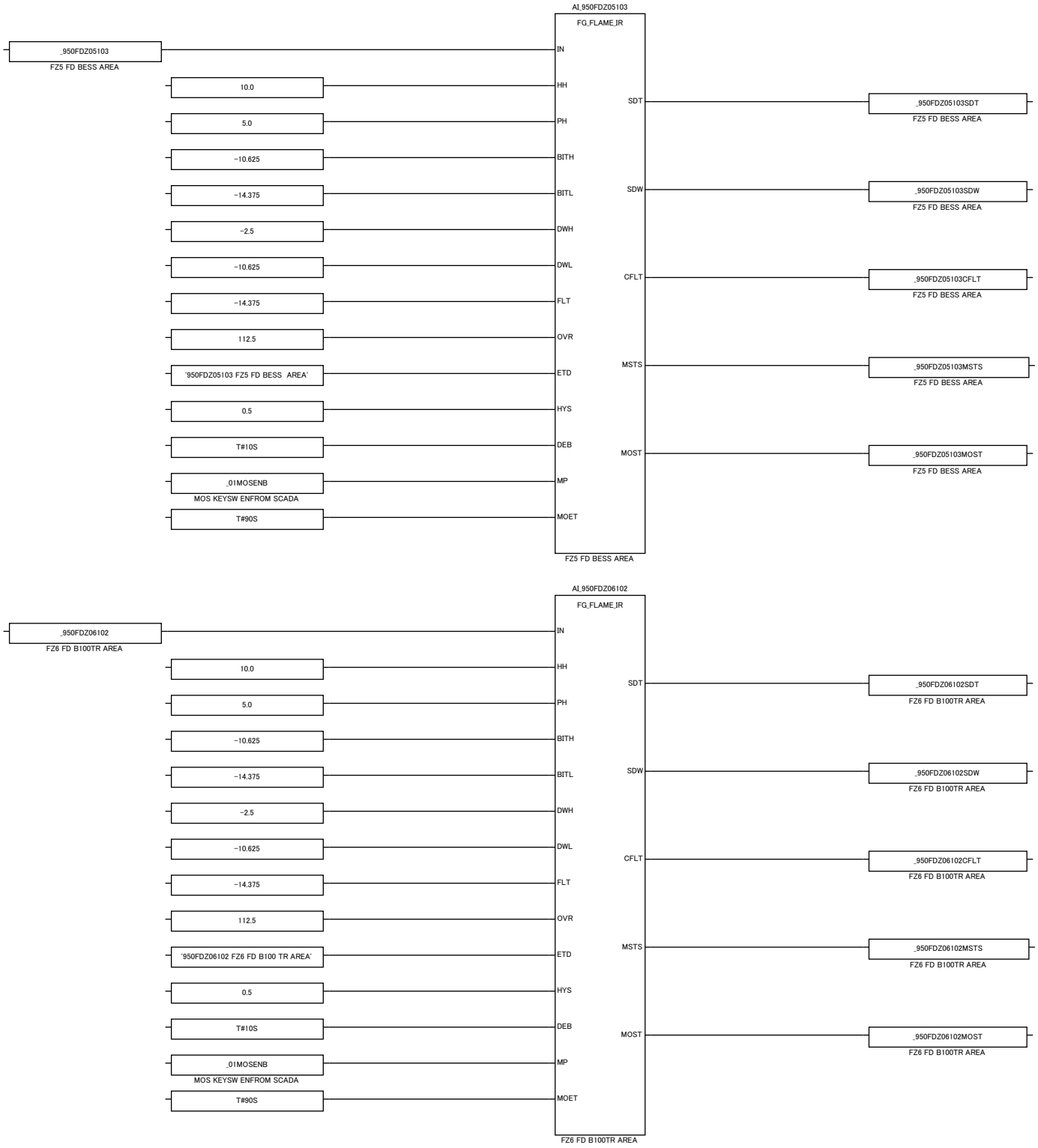

AI_950FDZ05102
FG_FLAME_IR
_950FDZ05102
FZ5 FD BESS AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ05102 FZ5 FD BESS AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950FDZ05102SDT
FZ5 FD BESS AREA
SDW
_950FDZ05102SDW
FZ5 FD BESS AREA
CFLT
_950FDZ05102CFLT
FZ5 FD BESS AREA
MSTS
_950FDZ05102MSTS
FZ5 FD BESS AREA
MOST
_950FDZ05102MOST
FZ5 FD BESS AREA
FZ5 FD BESS AREA

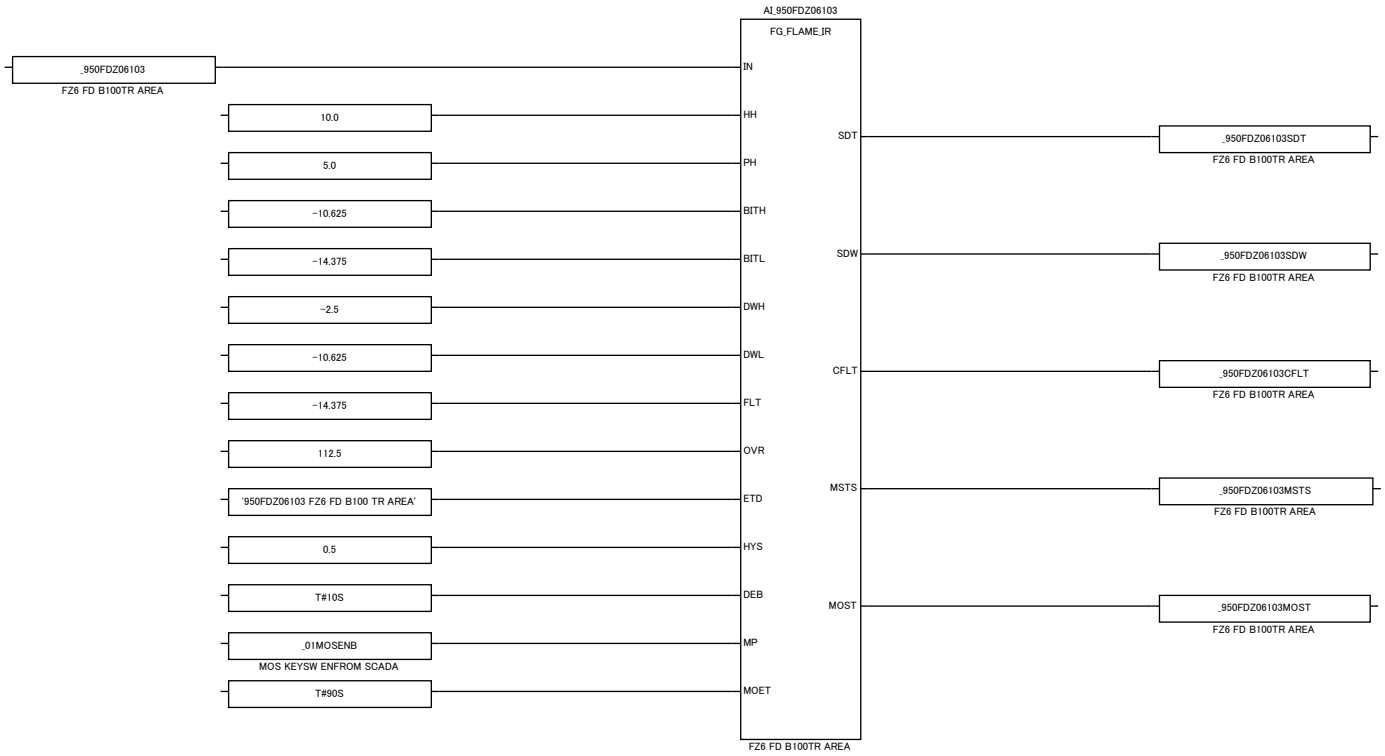

AI_950FDZ04104
FG_FLAME_IR
_950FDZ04104
FZ4 FD B400300/200 AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ04104 FZ4 B400/300/200 AR.'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ4 FD B400300/200 AREA
SDT
_950FDZ04104SDT
FZ4 FD B400300/200 AREA
SDW
_950FDZ04104SDW
FZ4 FD B400300/200 AREA
CFLT
_950FDZ04104CFLT
FZ4 FD B400300/200 AREA
MSTS
_950FDZ04104MSTS
FZ4 FD B400300/200 AREA
MOST
_950FDZ04104MOST
FZ4 FD B400300/200 AREA

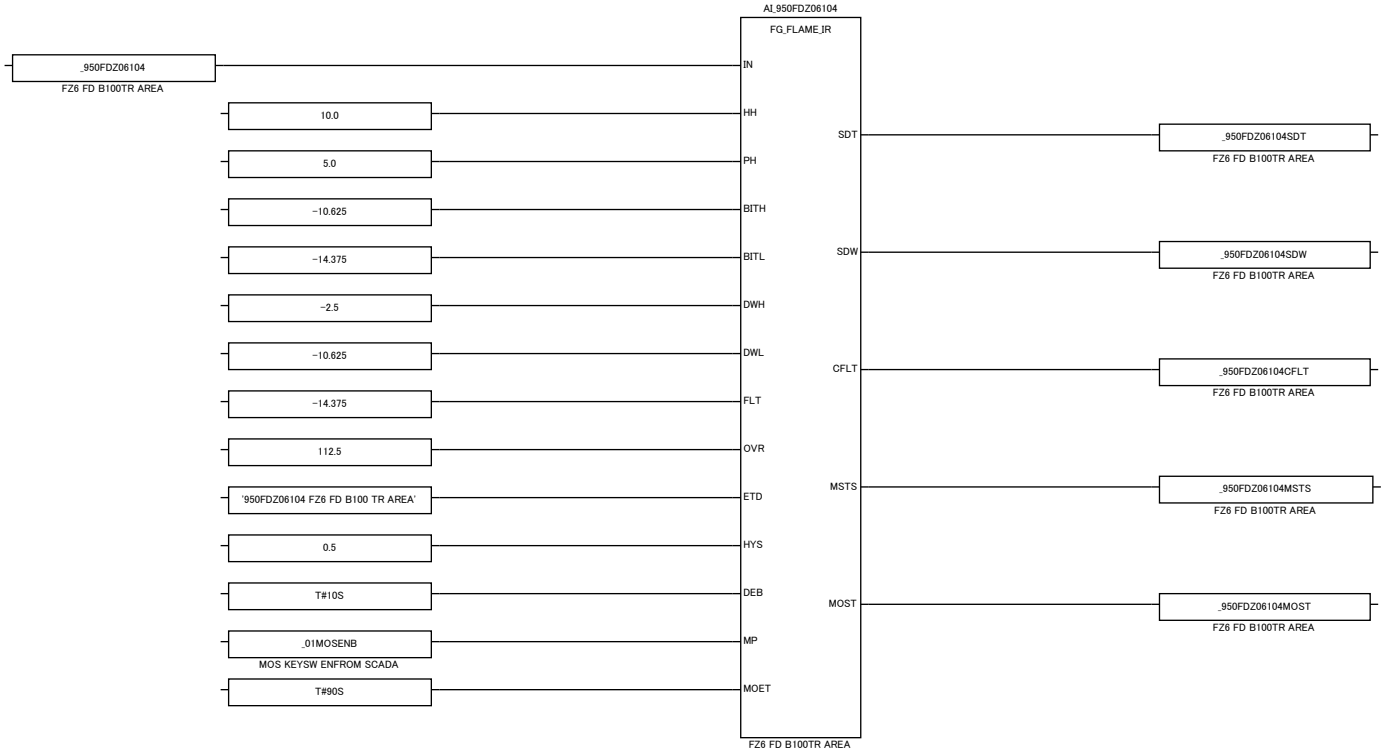

AI_950FDZ05101
FG_FLAME_IR
_950FDZ05101
FZ5 FD BESS AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ05101 FZ5 FD BESS AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ5 FD BESS AREA
SDT
_950FDZ05101SDT
FZ5 FD BESS AREA
SDW
_950FDZ05101SDW
FZ5 FD BESS AREA
CFLT
_950FDZ05101CFLT
FZ5 FD BESS AREA
MSTS
_950FDZ05101MSTS
FZ5 FD BESS AREA
MOST
_950FDZ05101MOST
FZ5 FD BESS AREA

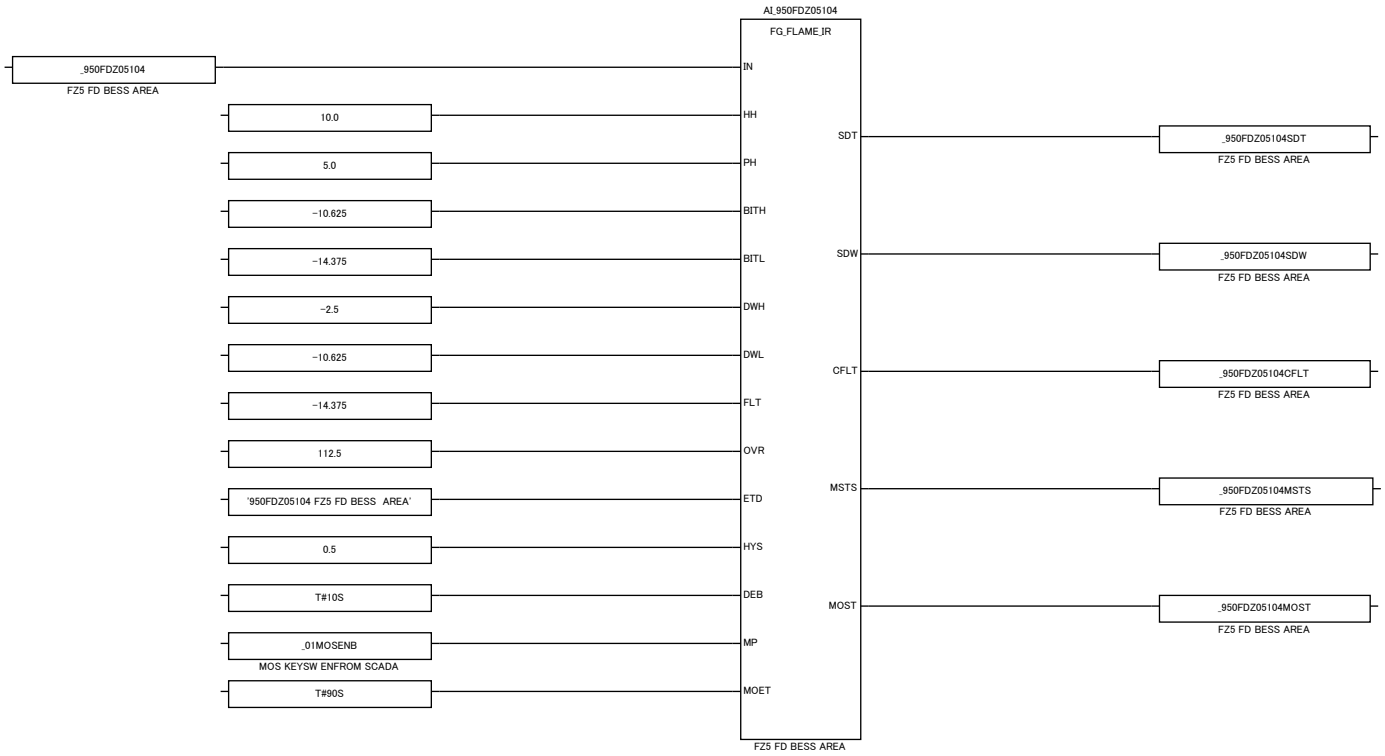
1.7. AI_FD_04(* Analog Input Processing-Flame Detector *)

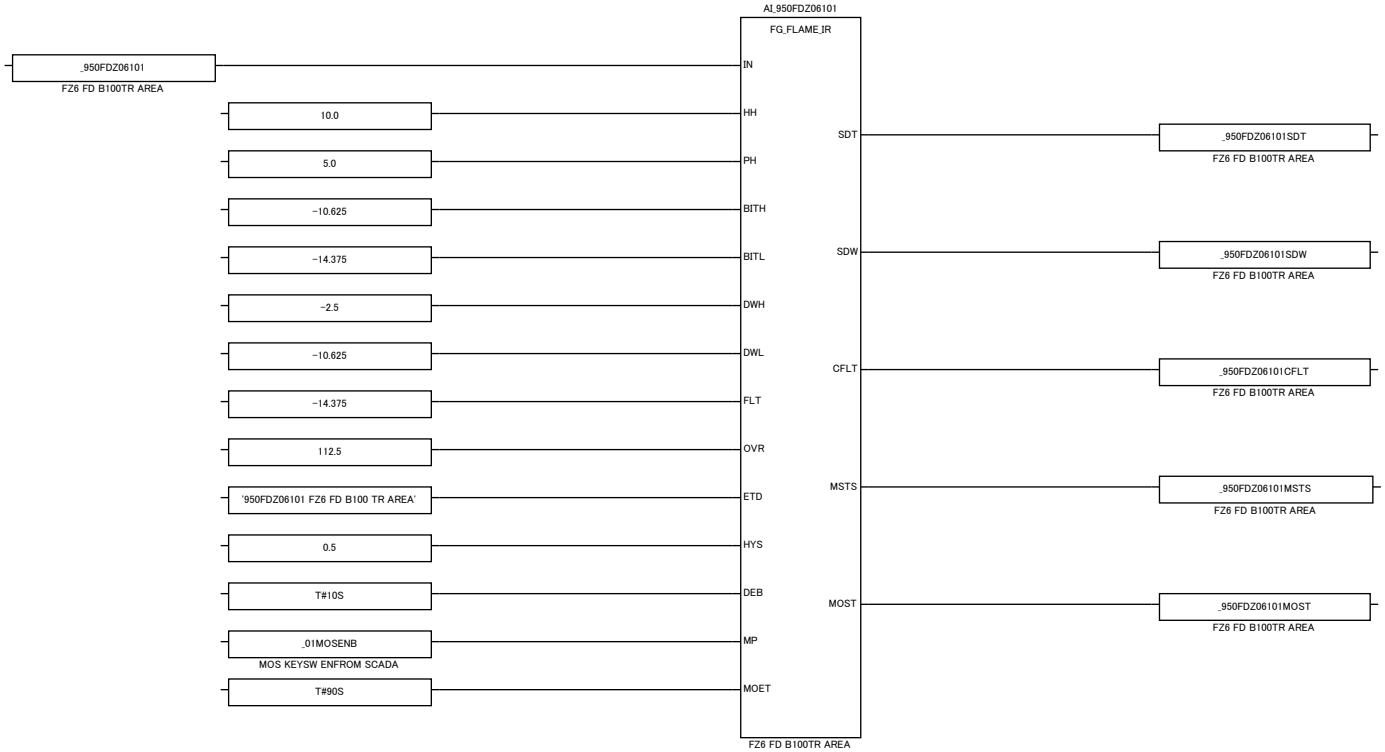
FOR ALL FLAME DETECTOR HI & HIHI VA
LUE TO BE UPDATED IN FAT



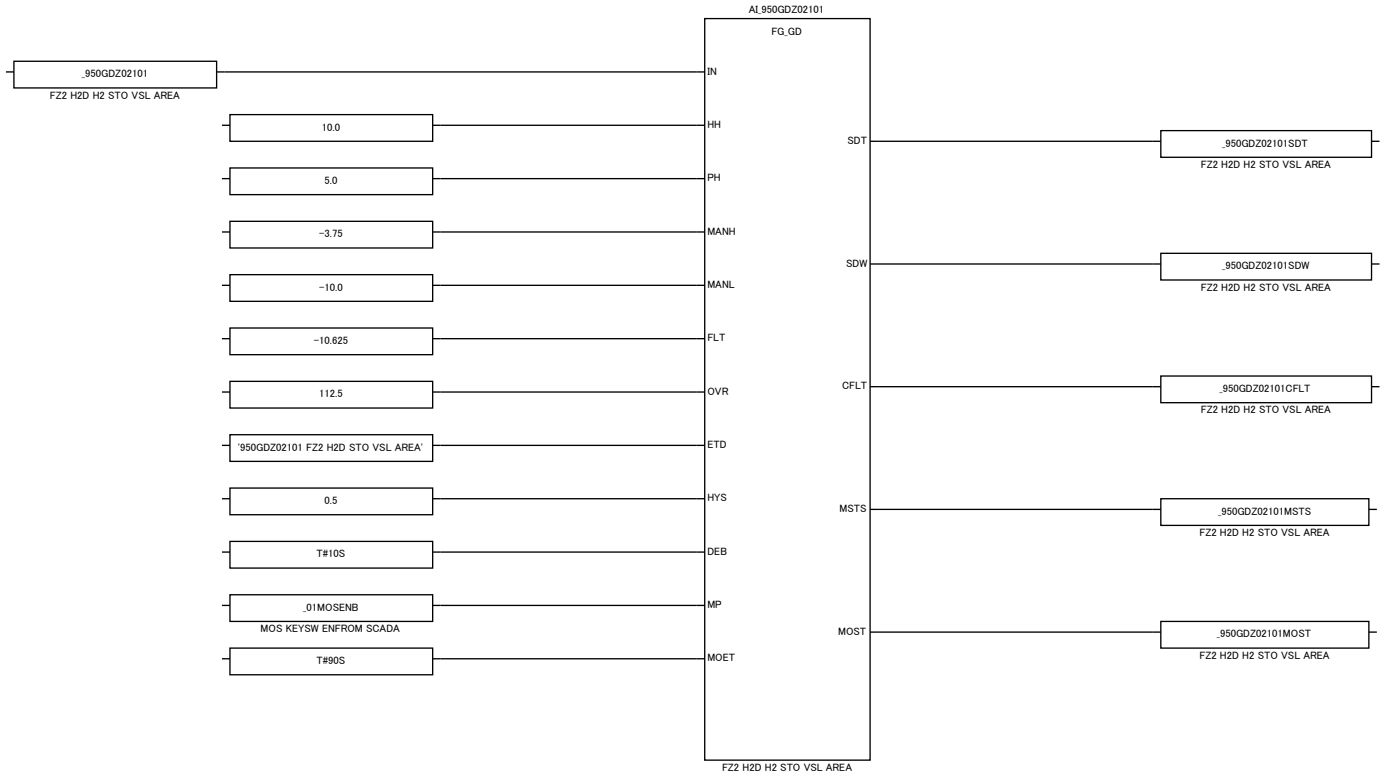

AI_950FDZ06103
FG_FLAME_IR
_950FDZ06103
FZ6 FD B100TR AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ06103 FZ6 FD B100 TR AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ6 FD B100TR AREA
SDT
_950FDZ06103SDT
FZ6 FD B100TR AREA
SDW
_950FDZ06103SDW
FZ6 FD B100TR AREA
CFLT
_950FDZ06103CFLT
FZ6 FD B100TR AREA
MSTS
_950FDZ06103MSTS
FZ6 FD B100TR AREA
MOST
_950FDZ06103MOST
FZ6 FD B100TR AREA

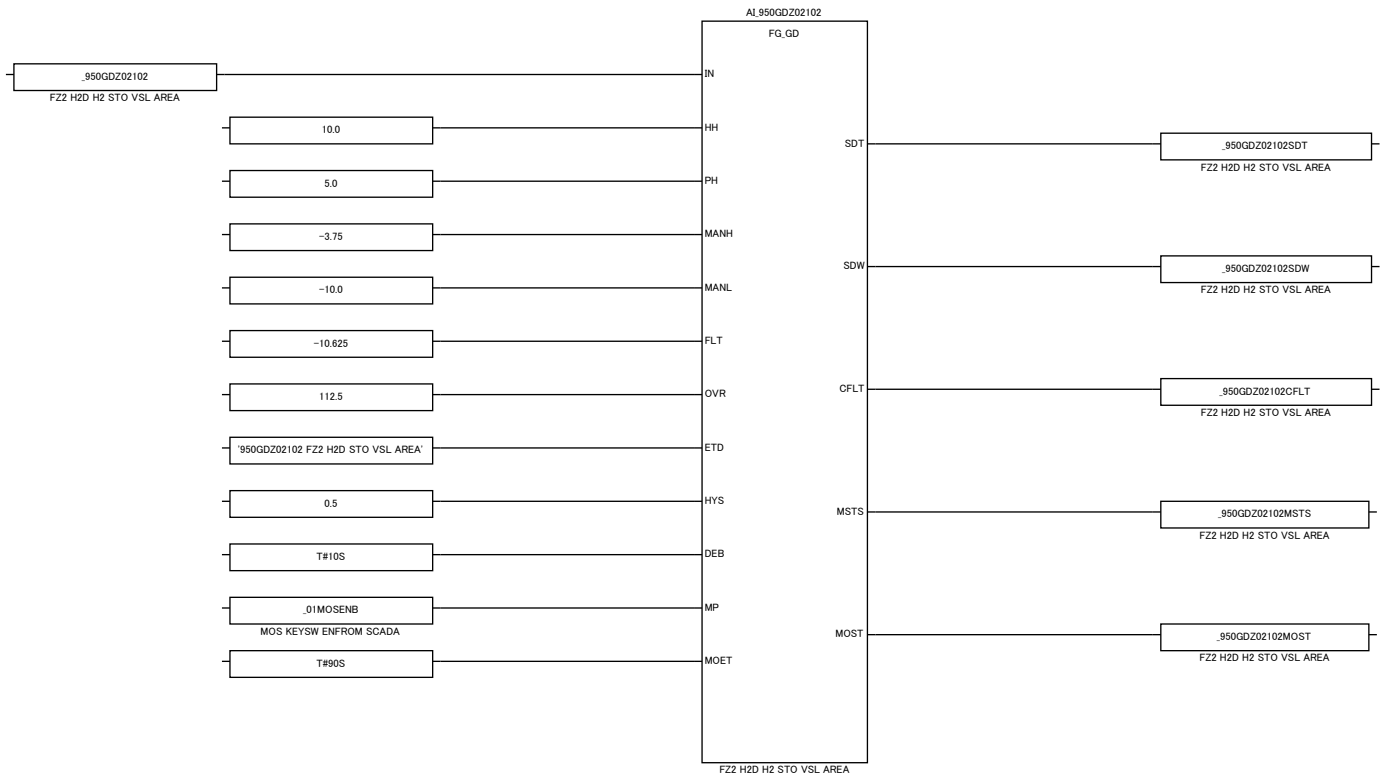

AI_950FDZ06104
FG_FLAME_IR
_950FDZ06104
FZ6 FD B100TR AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ06104 FZ6 FD B100 TR AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ6 FD B100TR AREA
SDT
_950FDZ06104SDT
FZ6 FD B100TR AREA
SDW
_950FDZ06104SDW
FZ6 FD B100TR AREA
CFLT
_950FDZ06104CFLT
FZ6 FD B100TR AREA
MSTS
_950FDZ06104MSTS
FZ6 FD B100TR AREA
MOST
_950FDZ06104MOST
FZ6 FD B100TR AREA

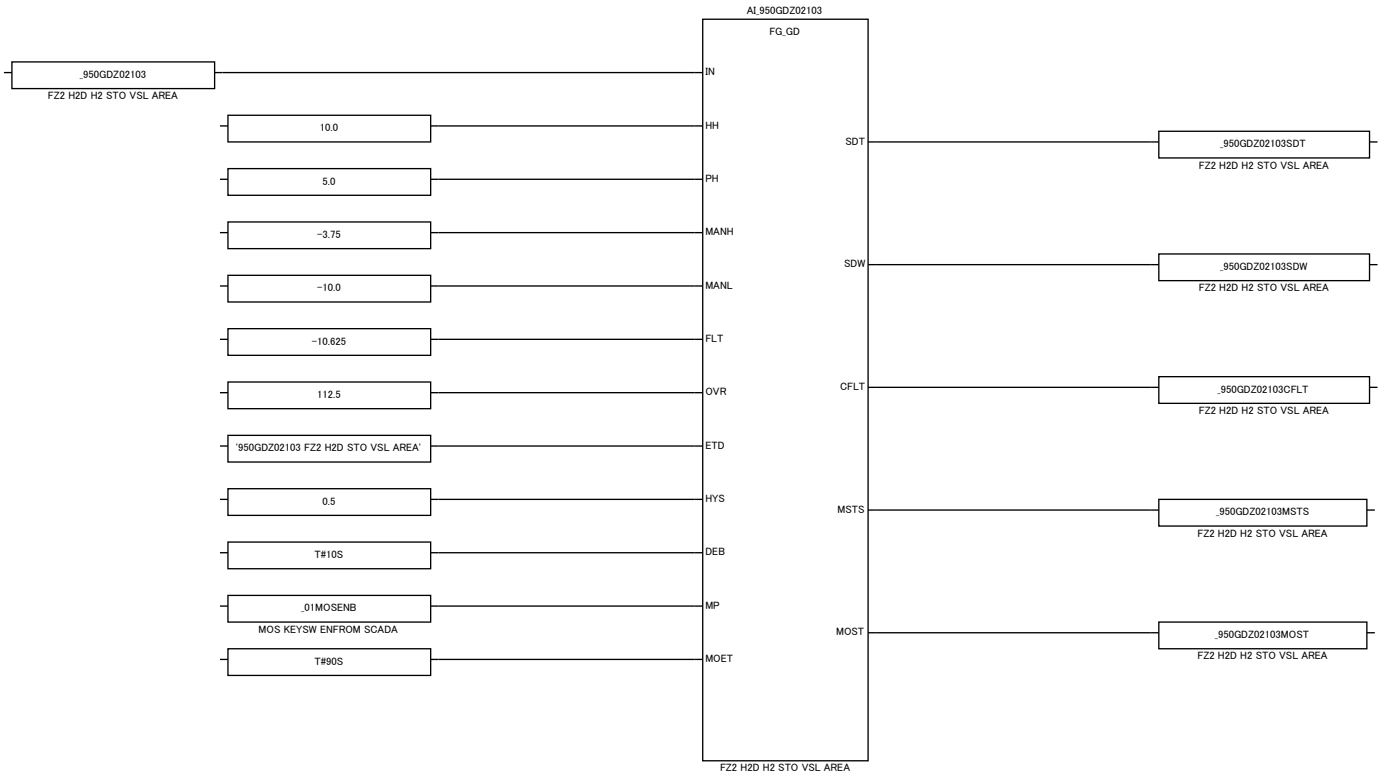

AI_950FDZ05104
FG_FLAME_IR
_950FDZ05104
FZ5 FD BESS AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ05104 FZ5 FD BESS AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ5 FD BESS AREA
SDT
_950FDZ05104SDT
FZ5 FD BESS AREA
SDW
_950FDZ05104SDW
FZ5 FD BESS AREA
CFLT
_950FDZ05104CFLT
FZ5 FD BESS AREA
MSTS
_950FDZ05104MSTS
FZ5 FD BESS AREA
MOST
_950FDZ05104MOST
FZ5 FD BESS AREA

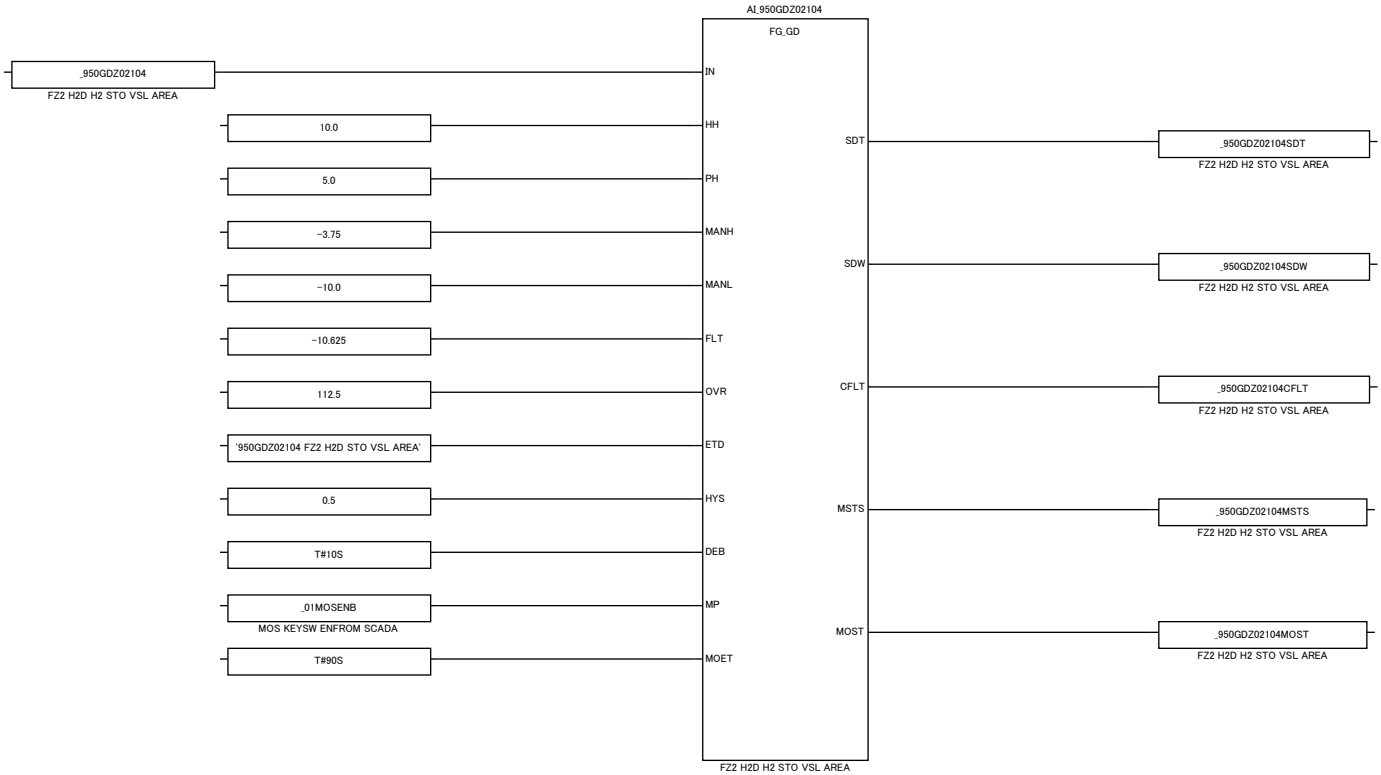

AI_950FDZ06101
FG_FLAME_IR
_950FDZ06101
FZ6 FD B100TR AREA
IN
10.0
HH
5.0
PH
-10.625
BITH
-14.375
BITL
-2.5
DWH
-10.625
DWL
-14.375
FLT
112.5
OVR
'950FDZ06101 FZ6 FD B100 TR AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ6 FD B100TR AREA
SDT
_950FDZ06101SDT
FZ6 FD B100TR AREA
SDW
_950FDZ06101SDW
FZ6 FD B100TR AREA
CFLT
_950FDZ06101CFLT
FZ6 FD B100TR AREA
MSTS
_950FDZ06101MSTS
FZ6 FD B100TR AREA
MOST
_950FDZ06101MOST
FZ6 FD B100TR AREA

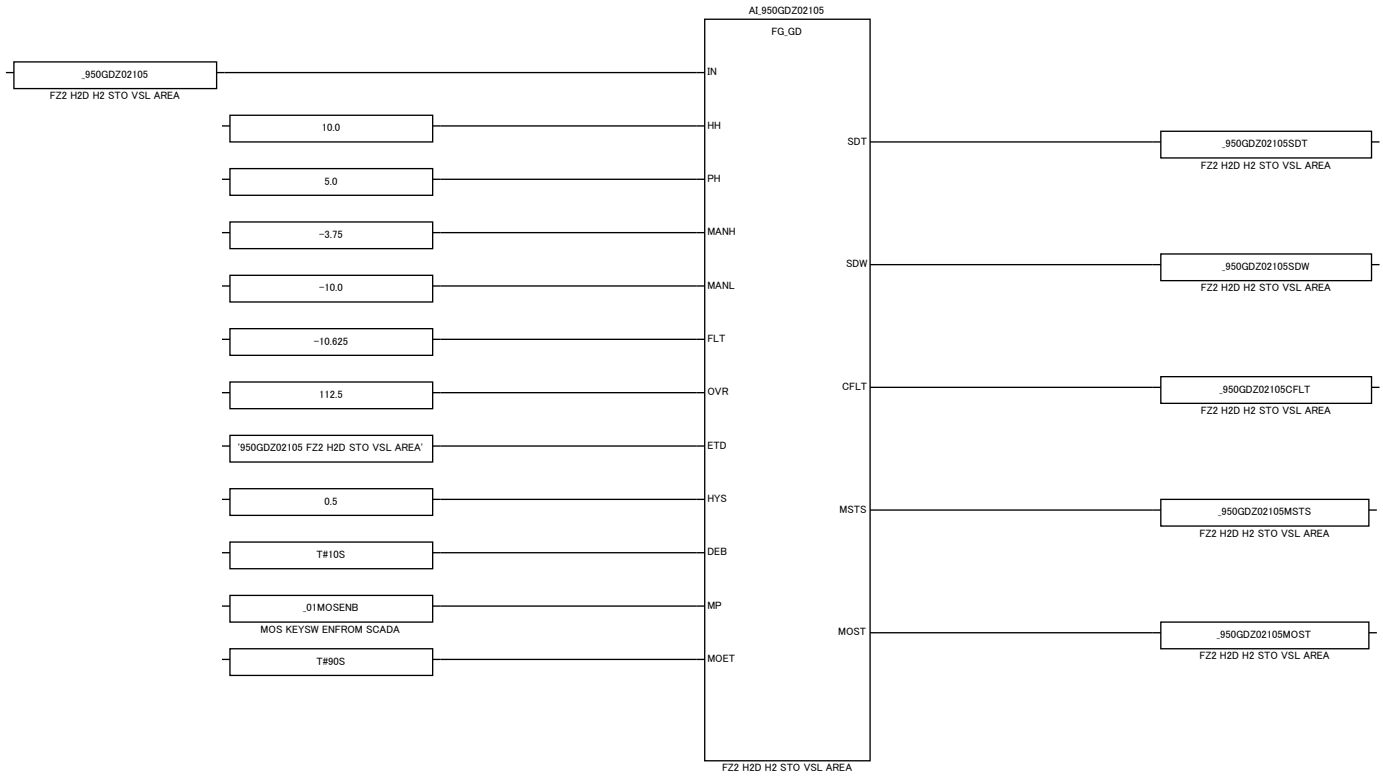
1.8. AI_GD_01(* Analog Input Processing-Gas Detector *)

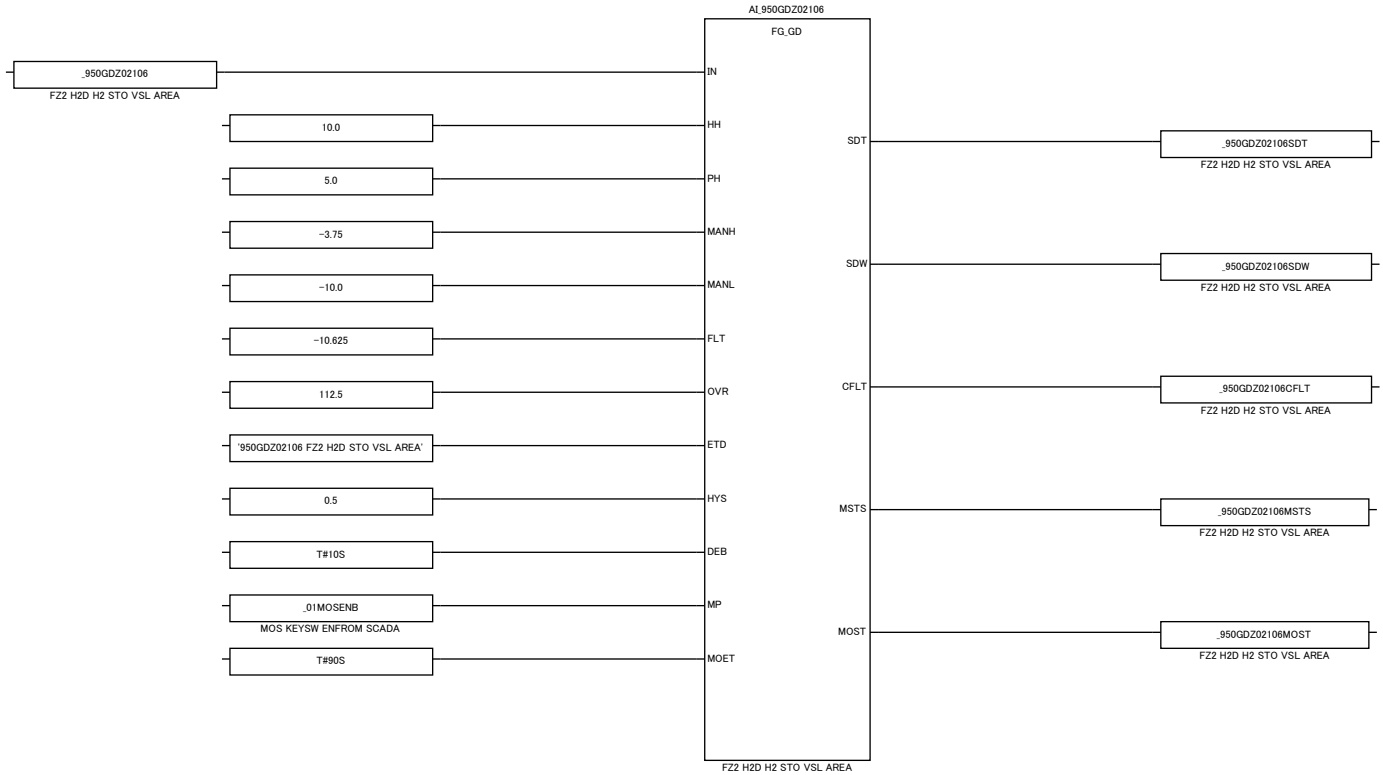




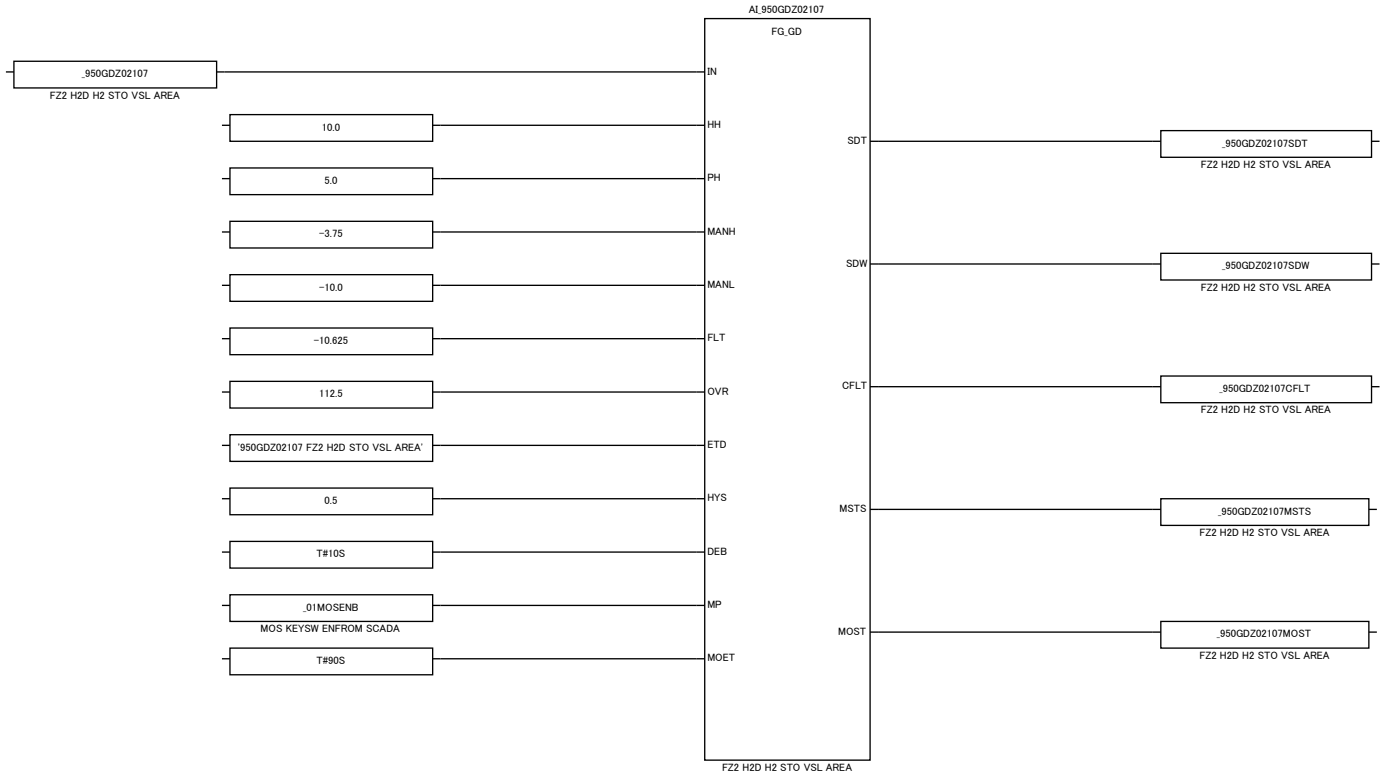

AI_950GDZ02103
FG_GD
_950GDZ02103
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02103 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ2 H2D H2 STO VSL AREA
SDT
_950GDZ02103SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02103SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02103CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02103MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02103MOST
FZ2 H2D H2 STO VSL AREA

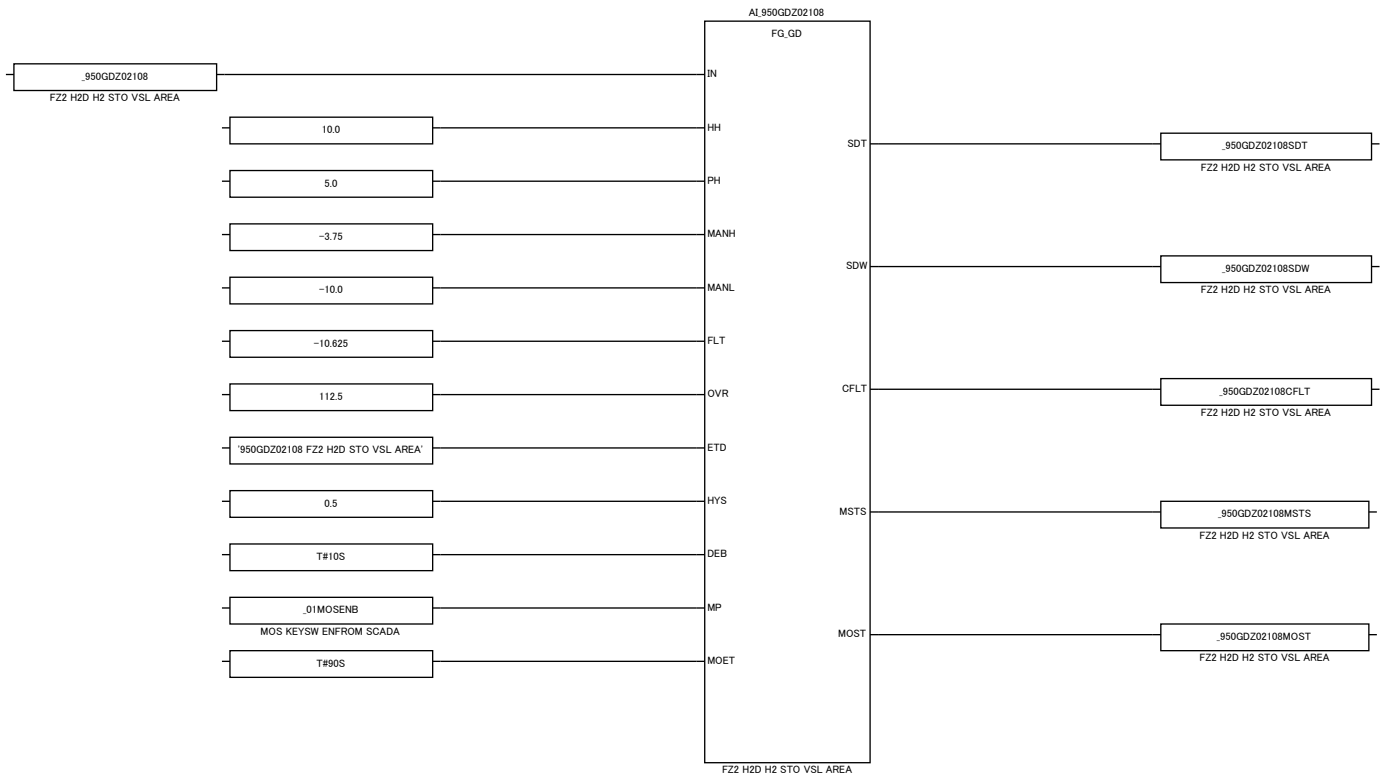

AI_950GDZ02104
FG_GD
_950GDZ02104
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02104 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ2 H2D H2 STO VSL AREA
SDT
_950GDZ02104SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02104SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02104CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02104MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02104MOST
FZ2 H2D H2 STO VSL AREA

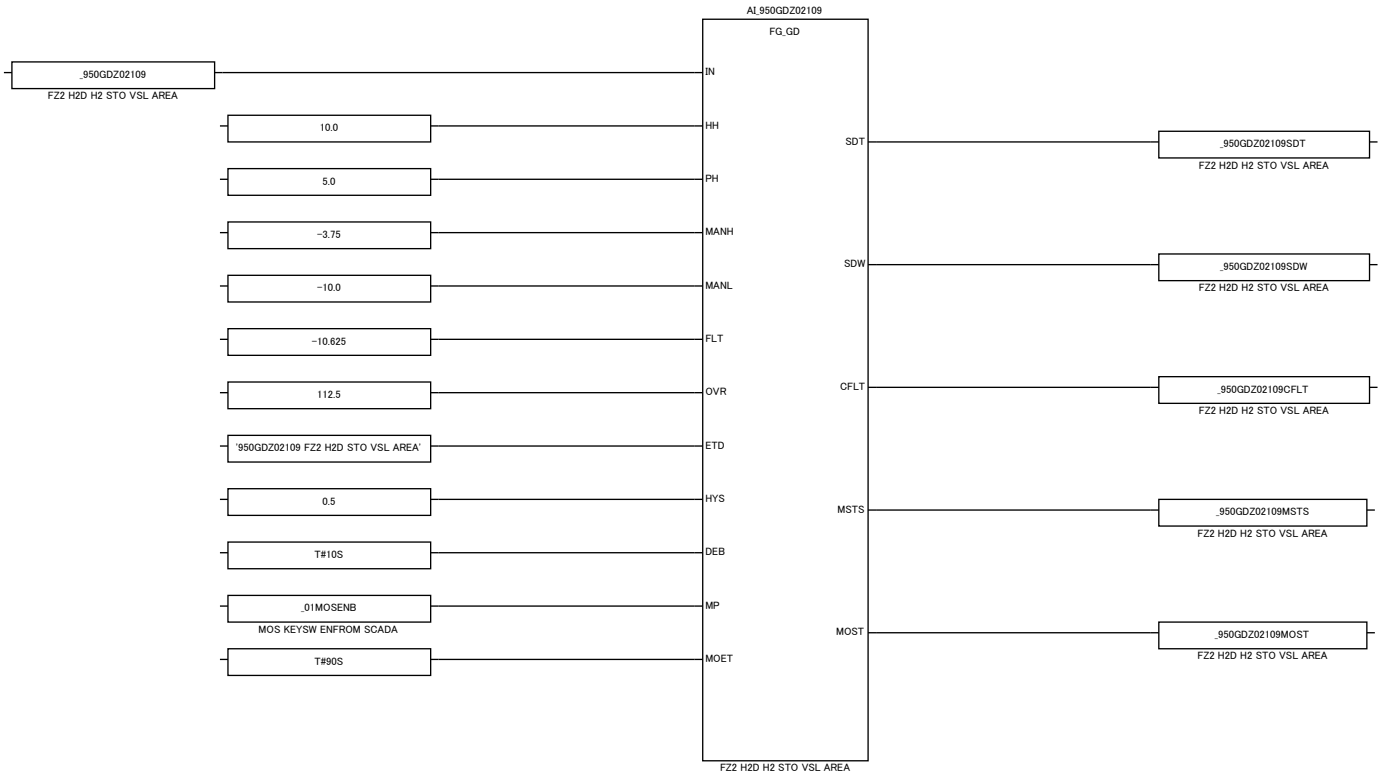

AI_950GDZ02105
FG_GD
_950GDZ02105
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02105 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ02105SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02105SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02105CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02105MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02105MOST
FZ2 H2D H2 STO VSL AREA
FZ2 H2D H2 STO VSL AREA

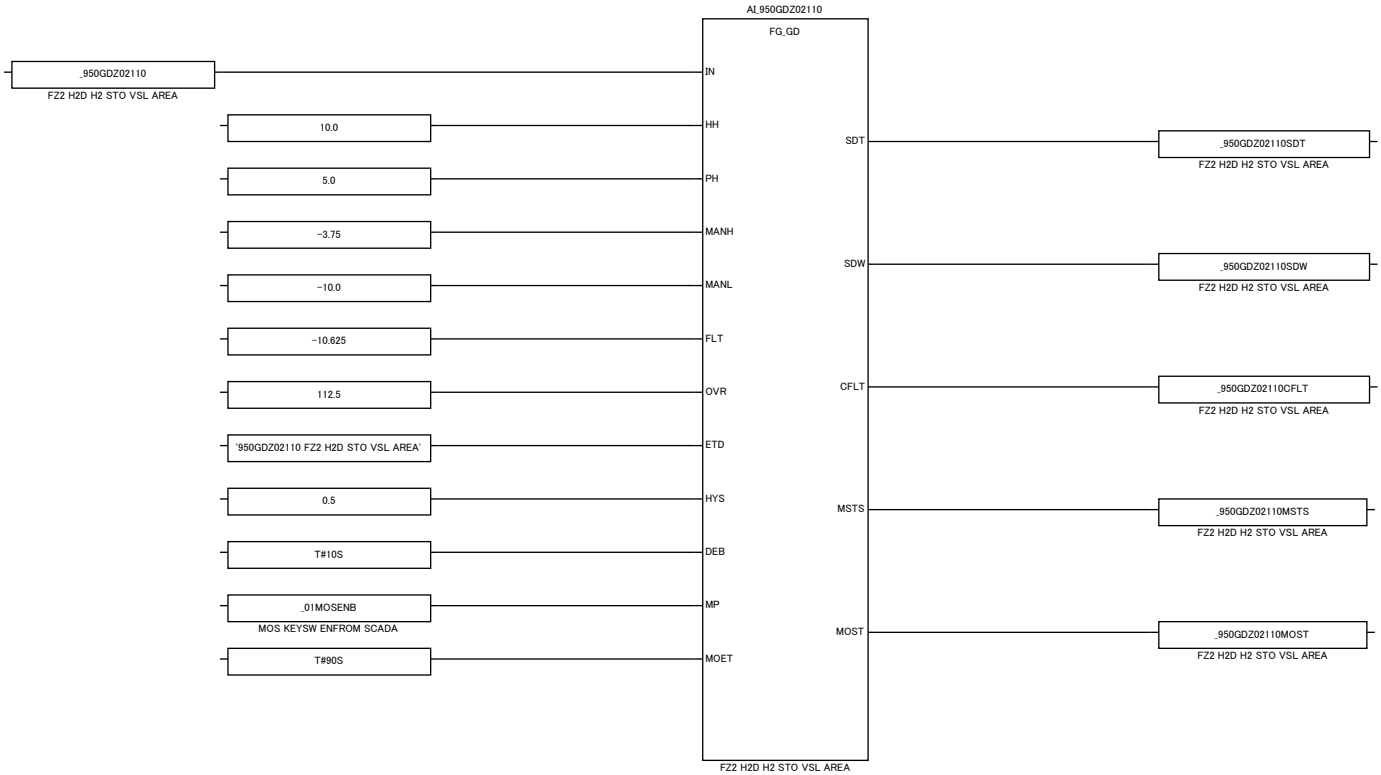

AI_950GDZ02106
FG_GD
_950GDZ02106
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02106 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ02106SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02106SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02106CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02106MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02106MOST
FZ2 H2D H2 STO VSL AREA
FZ2 H2D H2 STO VSL AREA

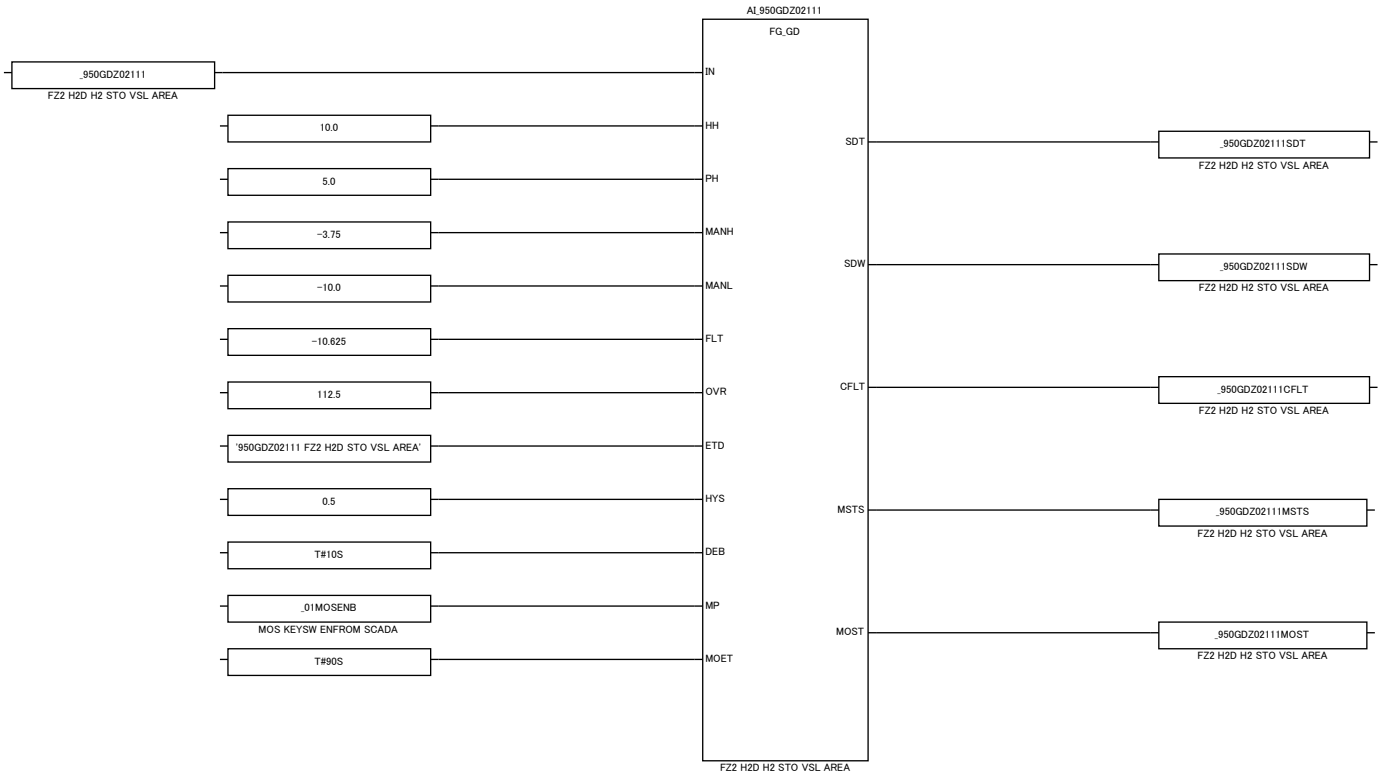
1.9. AI_GD_02(* Analog Input Processing-Gas Detector *)

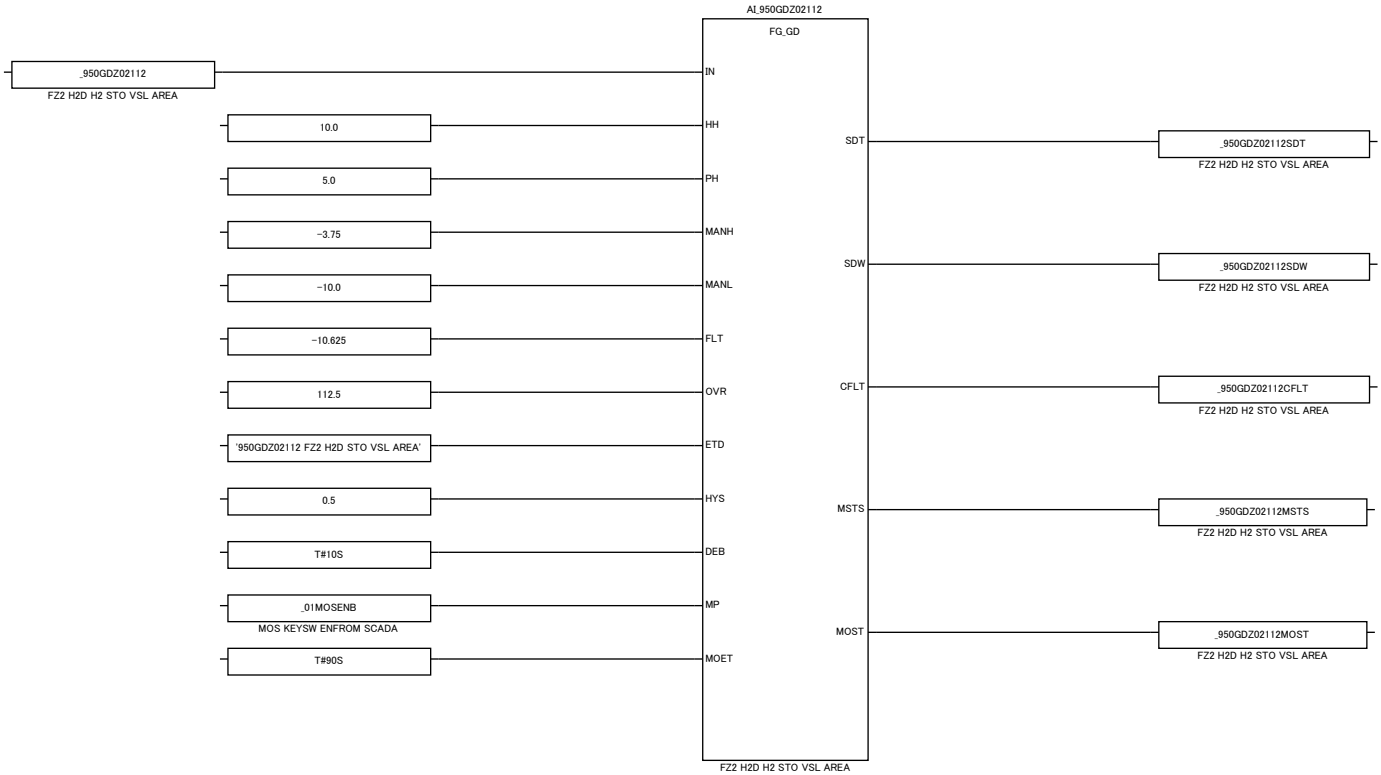




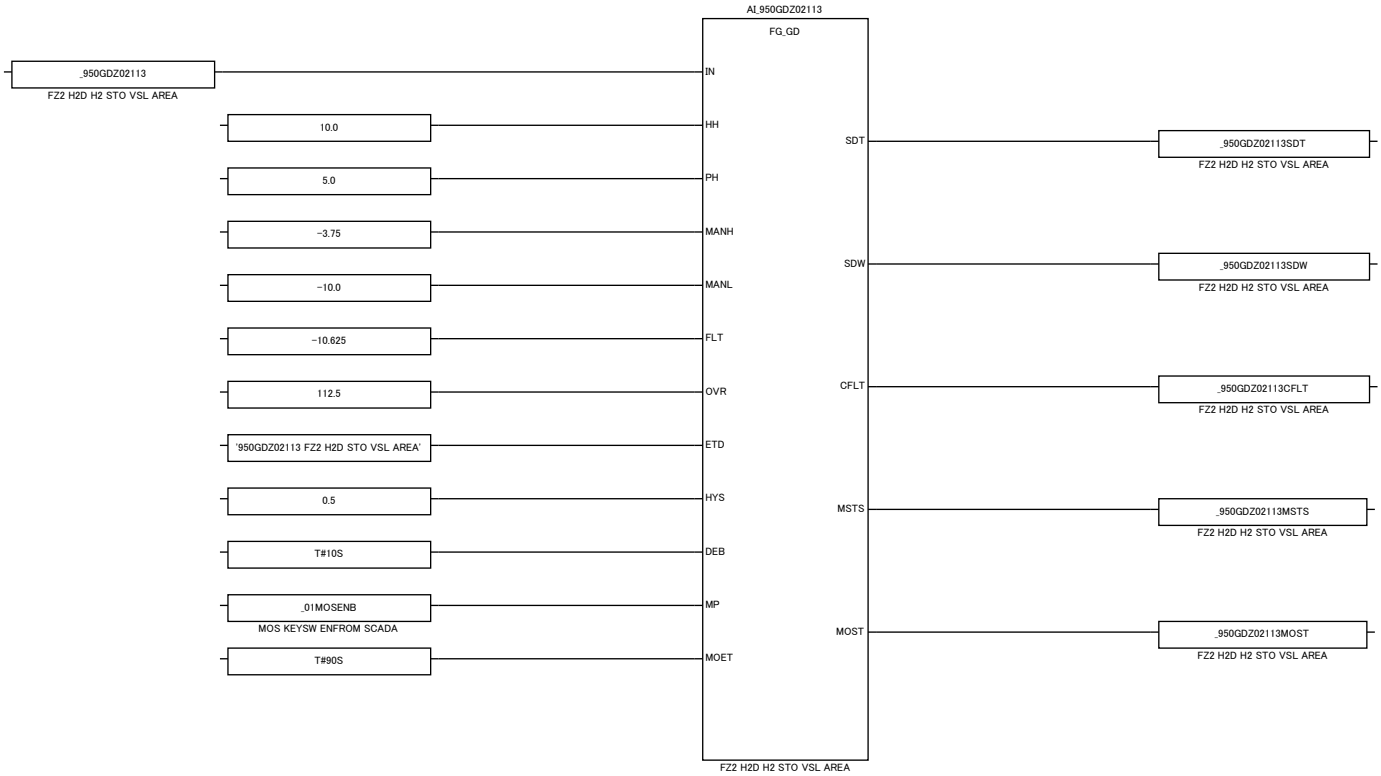

AI_950GDZ02109
FG_GD
_950GDZ02109
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02109 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ02109SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02109SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02109CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02109MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02109MOST
FZ2 H2D H2 STO VSL AREA
FZ2 H2D H2 STO VSL AREA

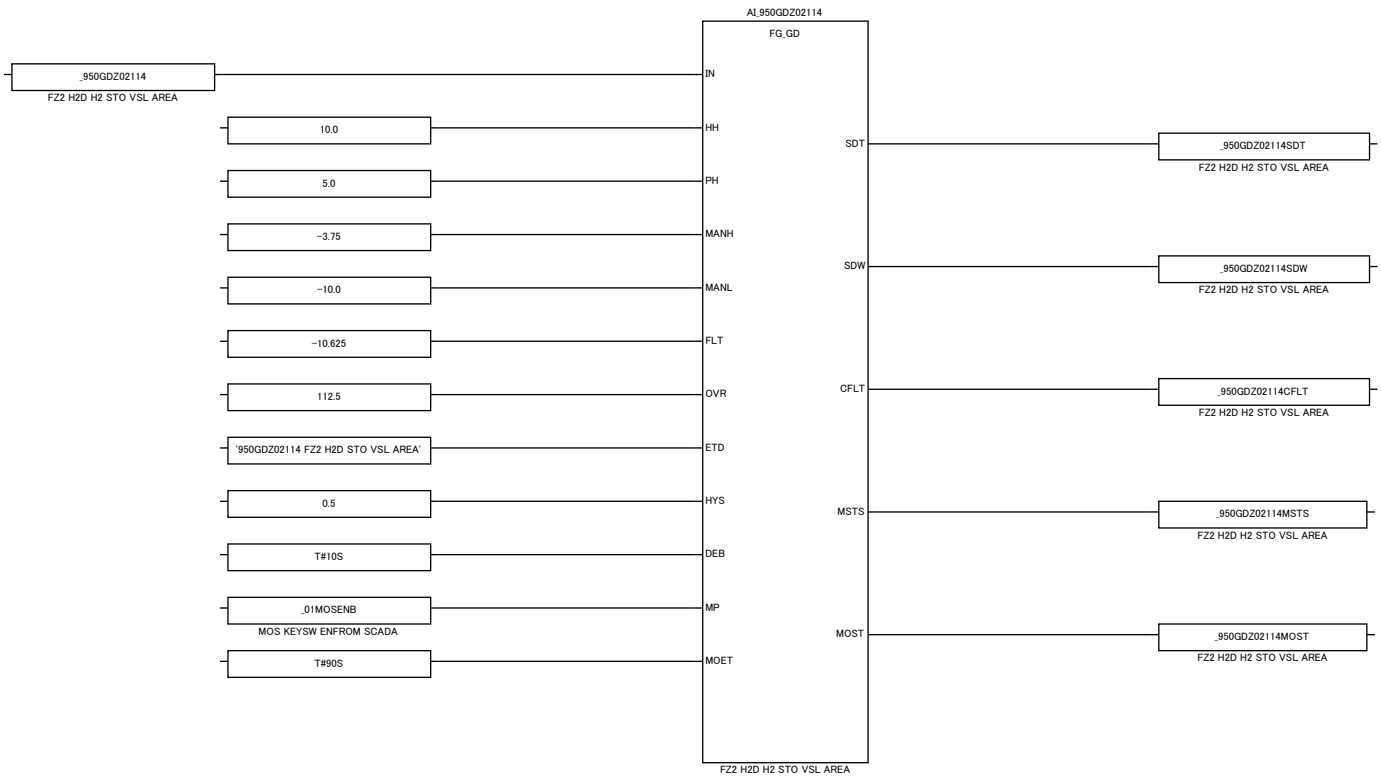

AI_950GDZ02110
FG_GD
_950GDZ02110
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02110 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ02110SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02110SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02110CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02110MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02110MOST
FZ2 H2D H2 STO VSL AREA
FZ2 H2D H2 STO VSL AREA

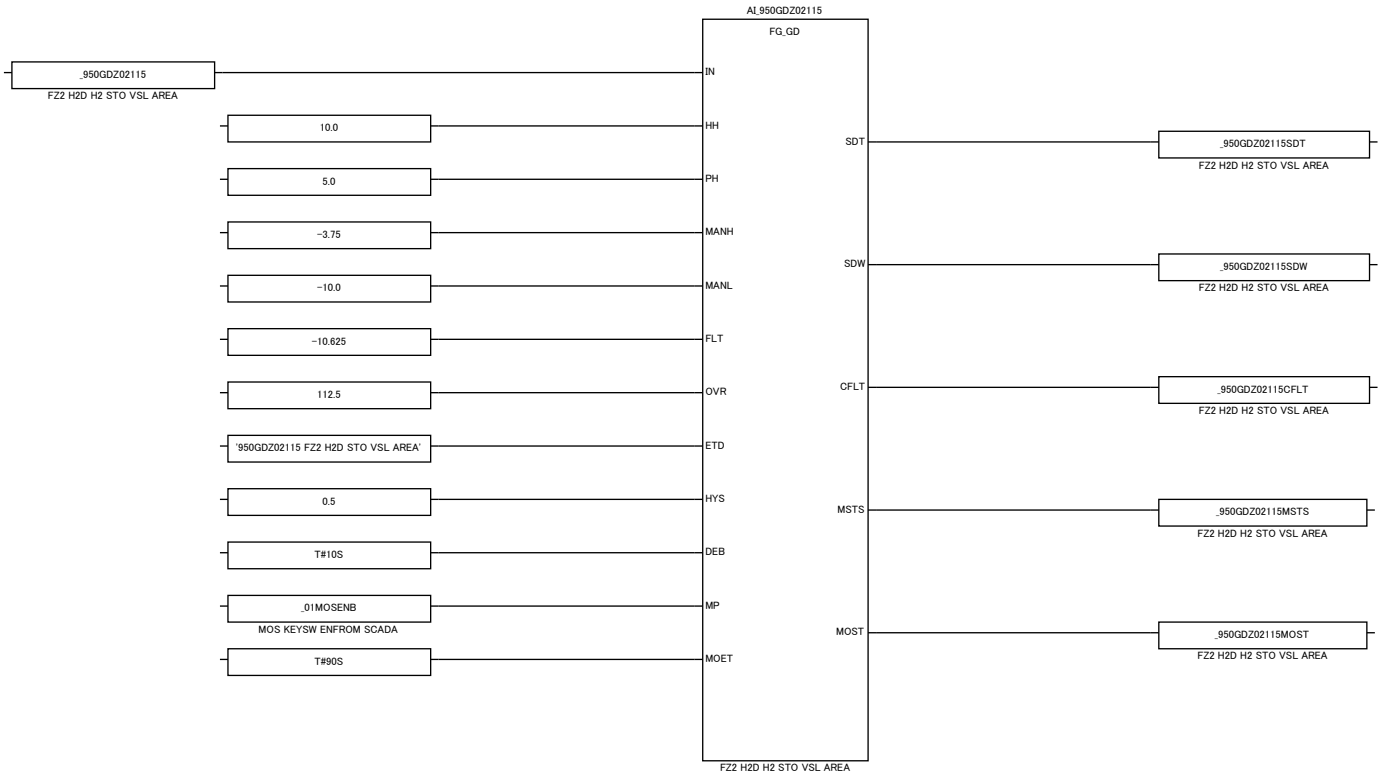

AI_950GDZ02111
FG_GD
_950GDZ02111
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02111 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ02111SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02111SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02111CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02111MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02111MOST
FZ2 H2D H2 STO VSL AREA
FZ2 H2D H2 STO VSL AREA

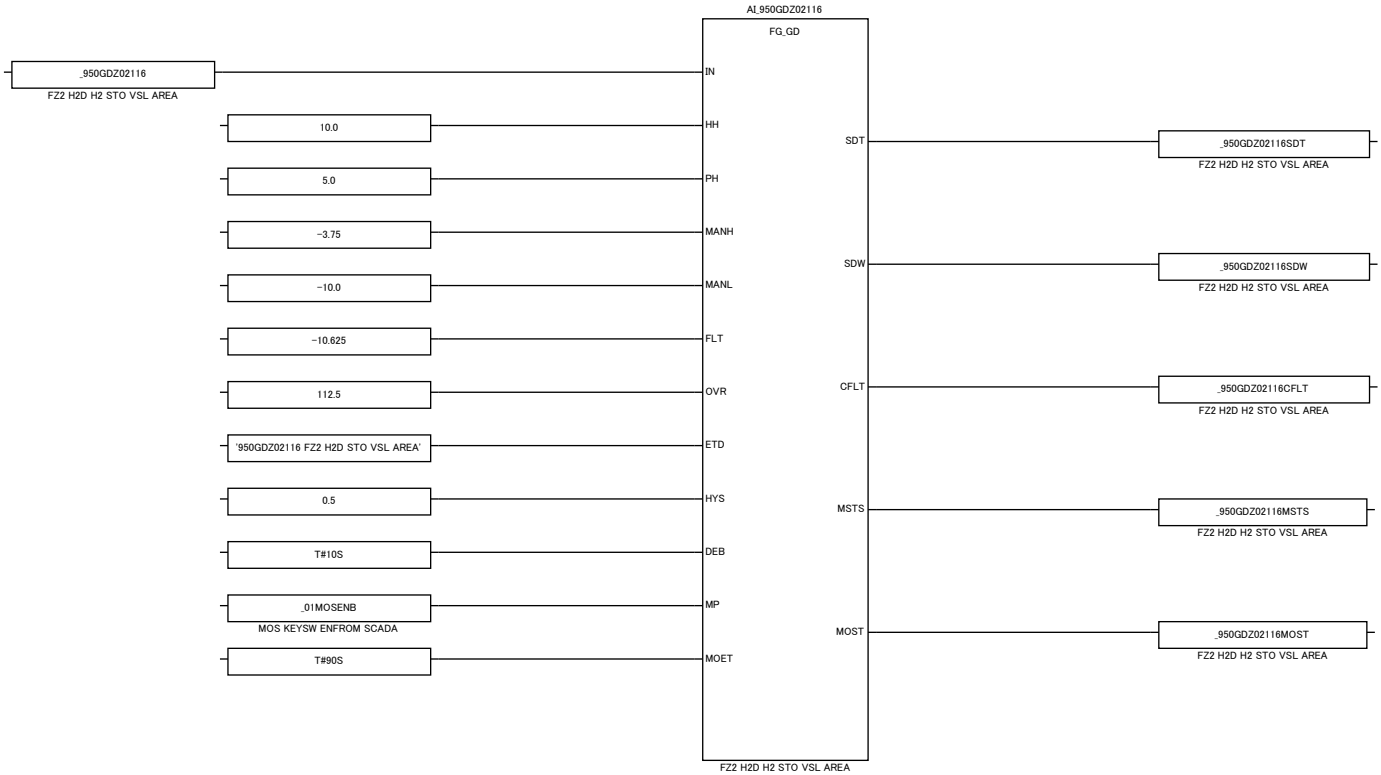

AI_950GDZ02112
FG_GD
_950GDZ02112
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02112 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ02112SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02112SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02112CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02112MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02112MOST
FZ2 H2D H2 STO VSL AREA
FZ2 H2D H2 STO VSL AREA

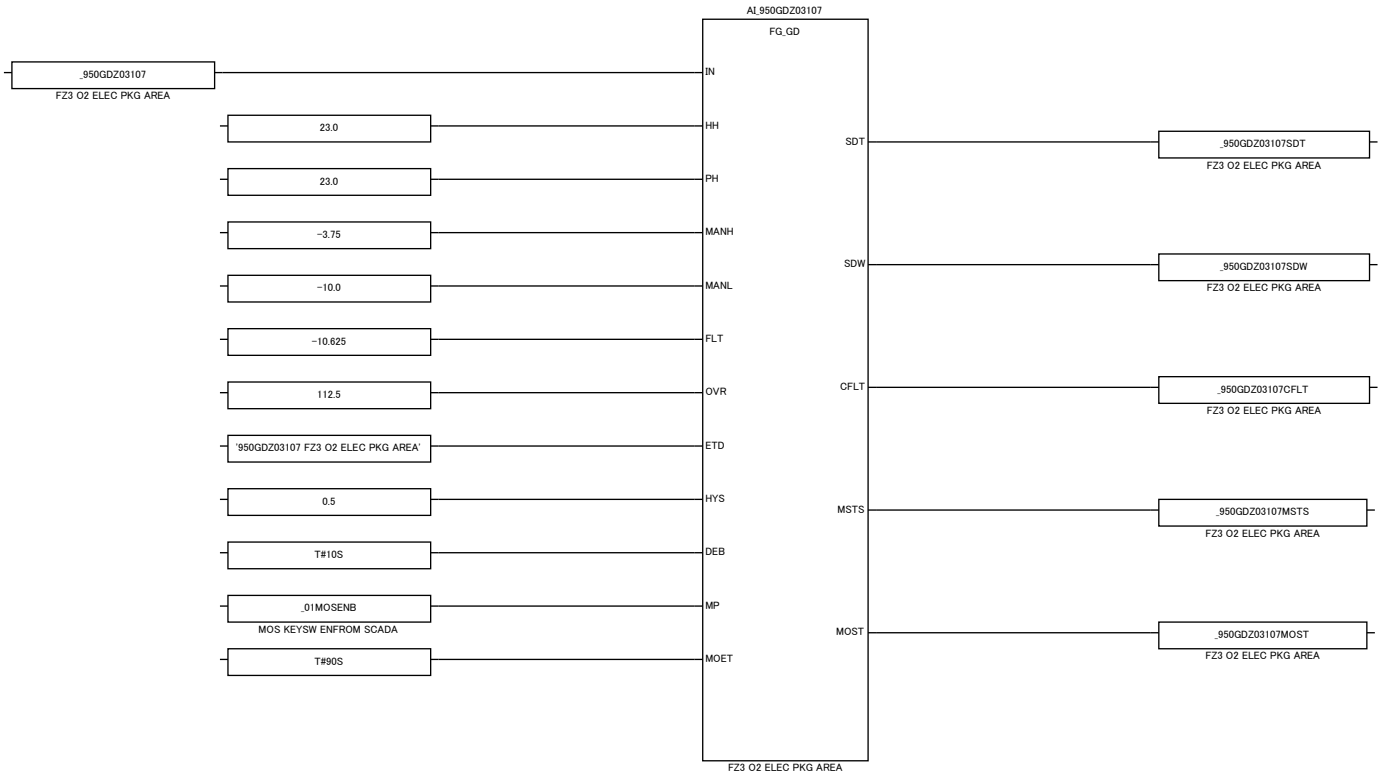
1.10. AI_GD_03(* Analog Input Processing-Gas Detector *)

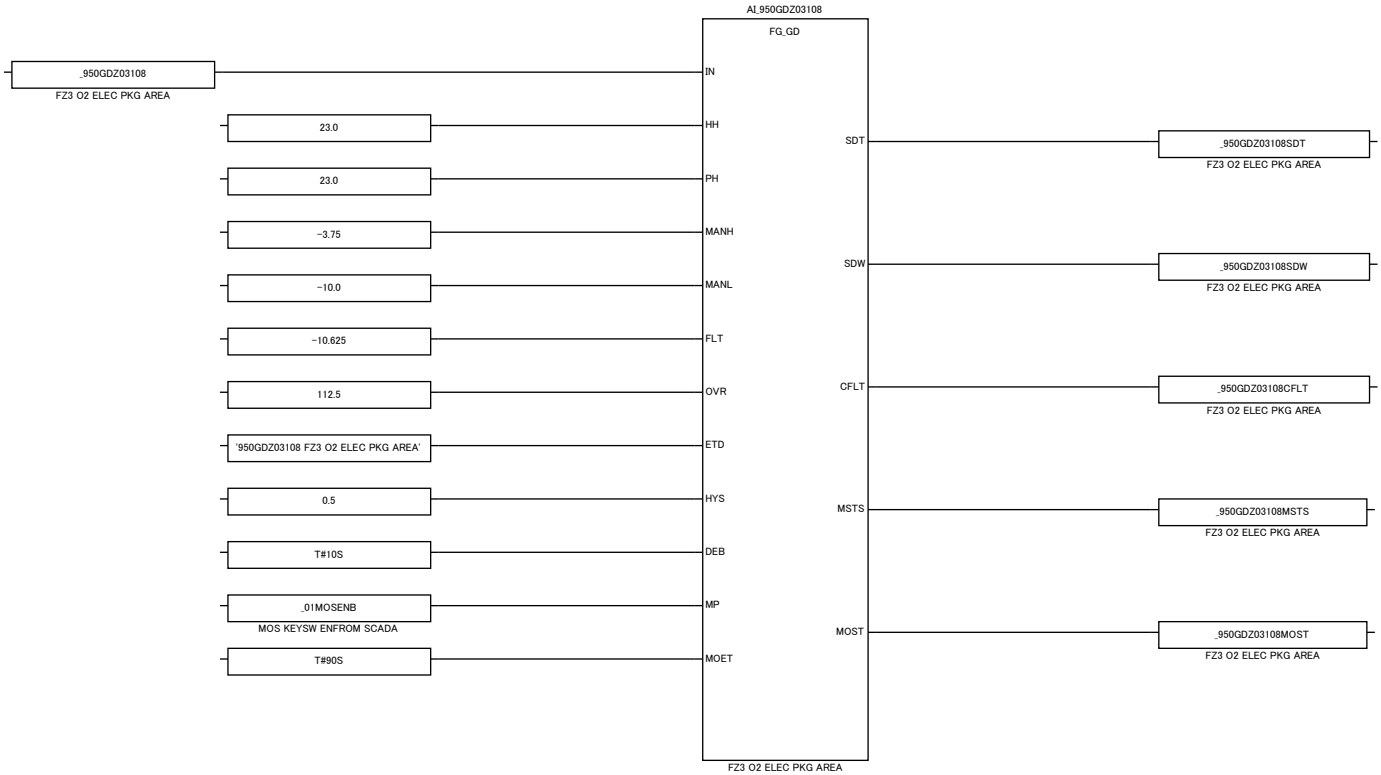




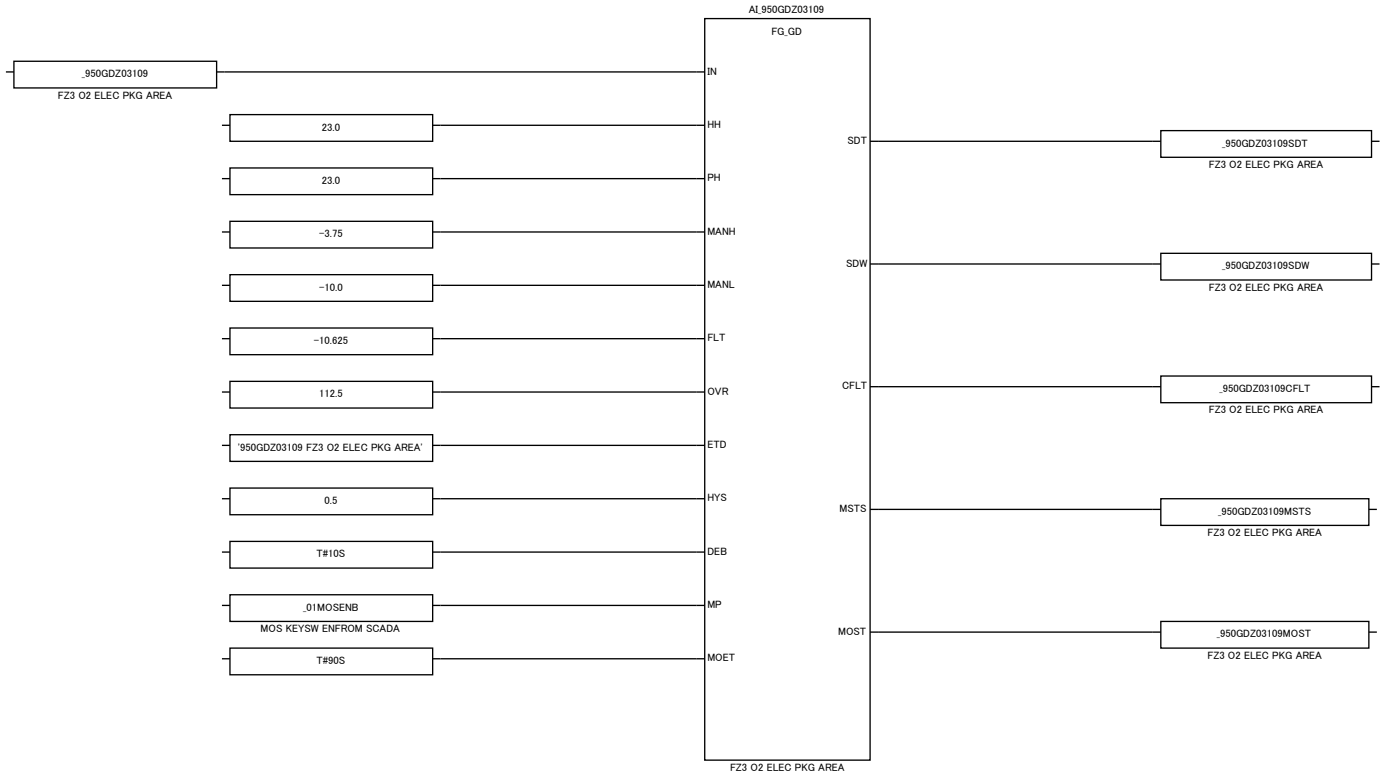

AI_950GDZ02115
FG_GD
_950GDZ02115
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02115 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ02115SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02115SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02115CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02115MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02115MOST
FZ2 H2D H2 STO VSL AREA
FZ2 H2D H2 STO VSL AREA

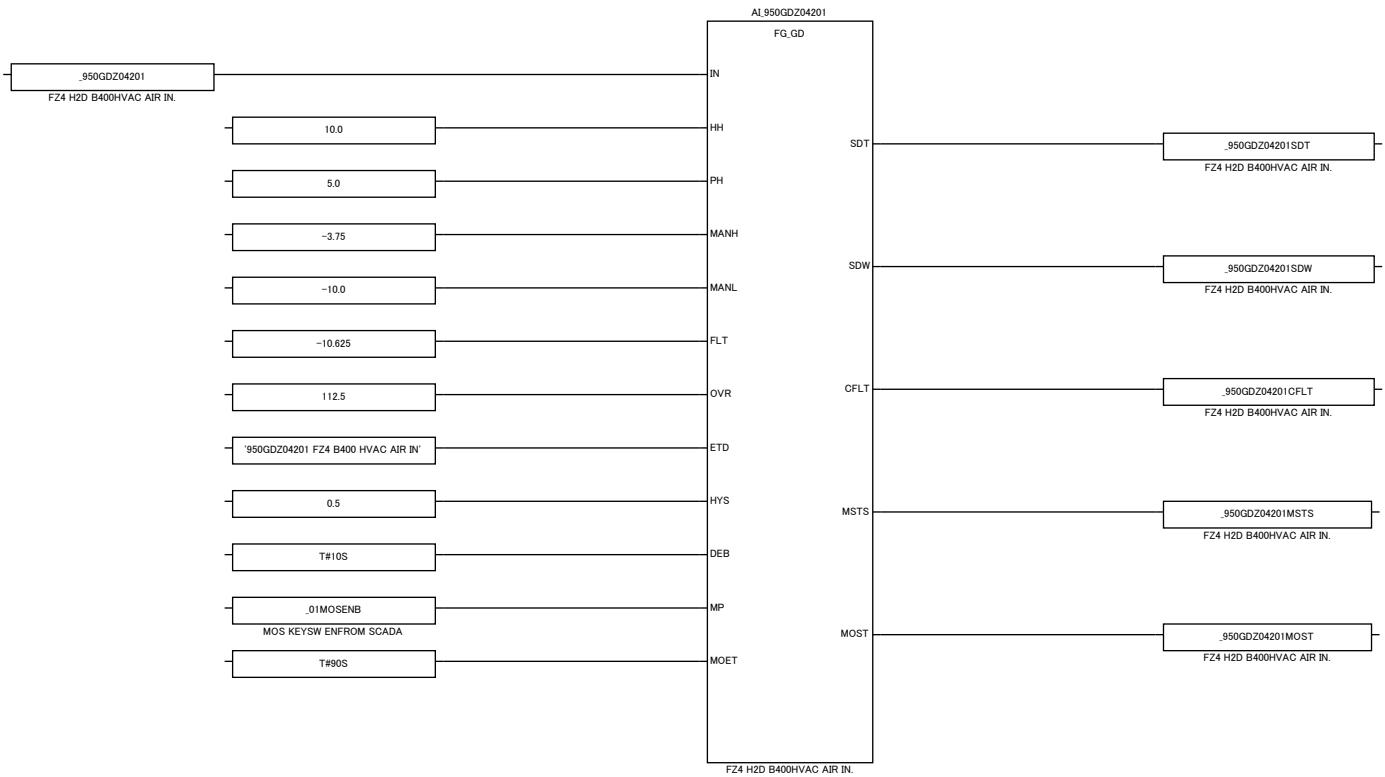

AI_950GDZ02116
FG_GD
_950GDZ02116
FZ2 H2D H2 STO VSL AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ02116 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ02116SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02116SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02116CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02116MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02116MOST
FZ2 H2D H2 STO VSL AREA
FZ2 H2D H2 STO VSL AREA

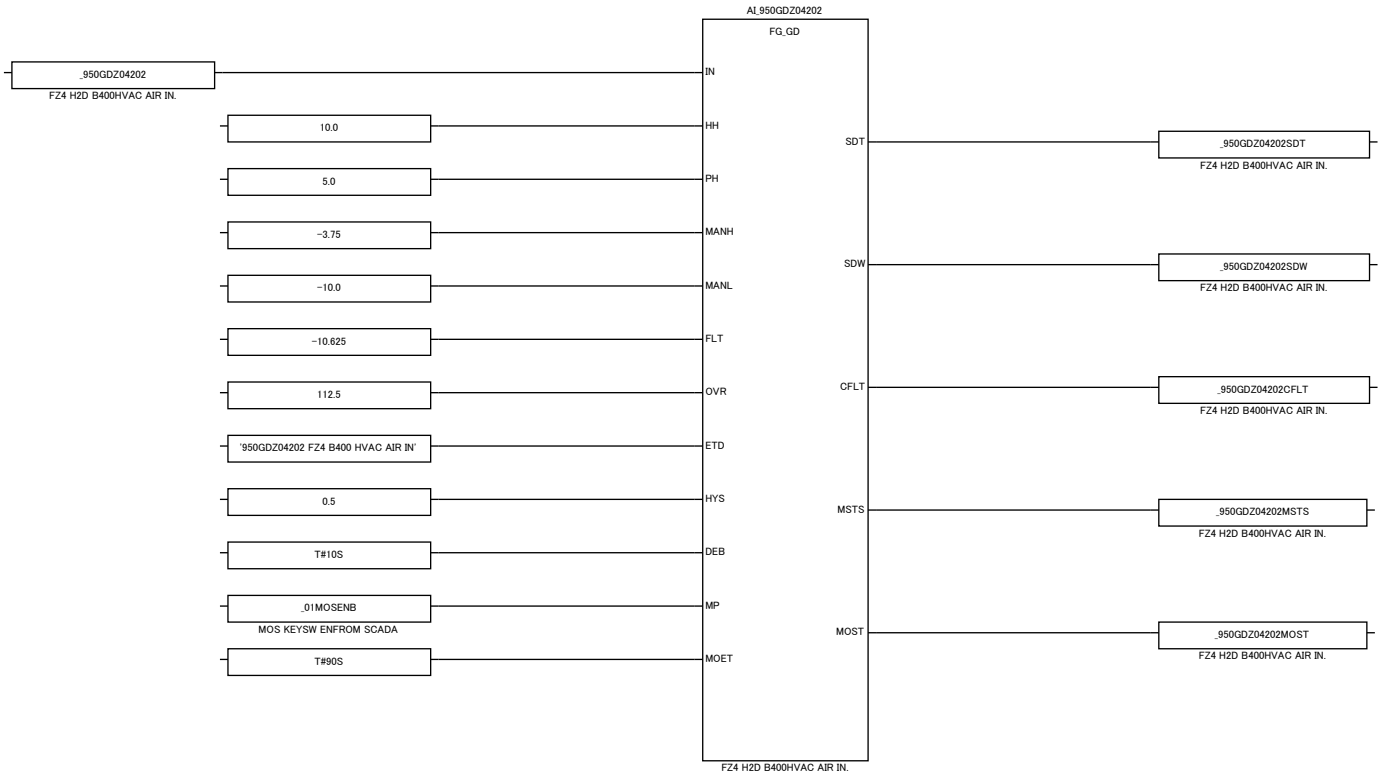

AI_950GDZ03107
FG_GD
_950GDZ03107
FZ3 O2 ELEC PKG AREA
IN
23.0
HH
23.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ03107 FZ3 O2 ELEC PKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ3 O2 ELEC PKG AREA
SDT
_950GDZ03107SDT
FZ3 O2 ELEC PKG AREA
SDW
_950GDZ03107SDW
FZ3 O2 ELEC PKG AREA
CFLT
_950GDZ03107CFLT
FZ3 O2 ELEC PKG AREA
MSTS
_950GDZ03107MSTS
FZ3 O2 ELEC PKG AREA
MOST
_950GDZ03107MOST
FZ3 O2 ELEC PKG AREA

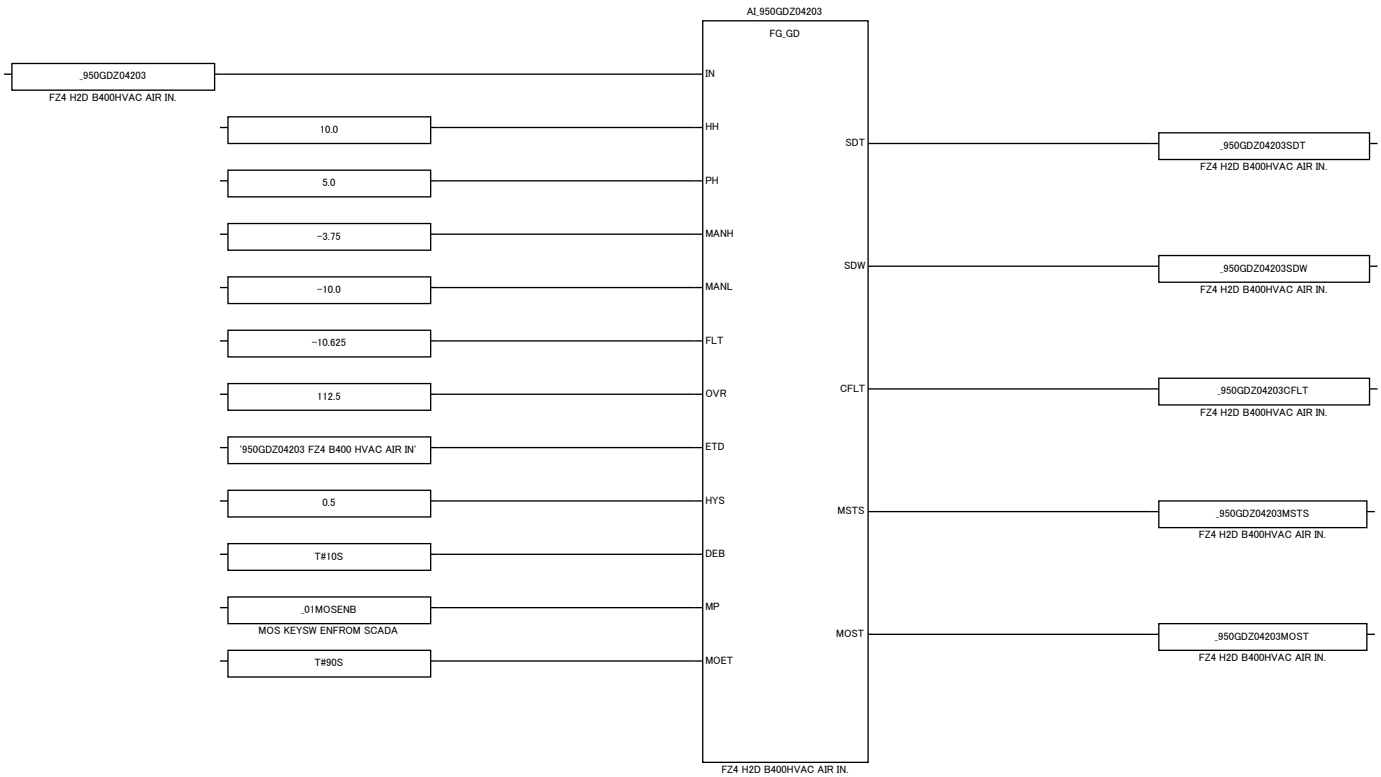

AI_950GDZ03108
FG_GD
_950GDZ03108
FZ3 O2 ELEC PKG AREA
IN
23.0
HH
23.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ03108 FZ3 O2 ELEC PKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ3 O2 ELEC PKG AREA
SDT
_950GDZ03108SDT
FZ3 O2 ELEC PKG AREA
SDW
_950GDZ03108SDW
FZ3 O2 ELEC PKG AREA
CFLT
_950GDZ03108CFLT
FZ3 O2 ELEC PKG AREA
MSTS
_950GDZ03108MSTS
FZ3 O2 ELEC PKG AREA
MOST
_950GDZ03108MOST
FZ3 O2 ELEC PKG AREA

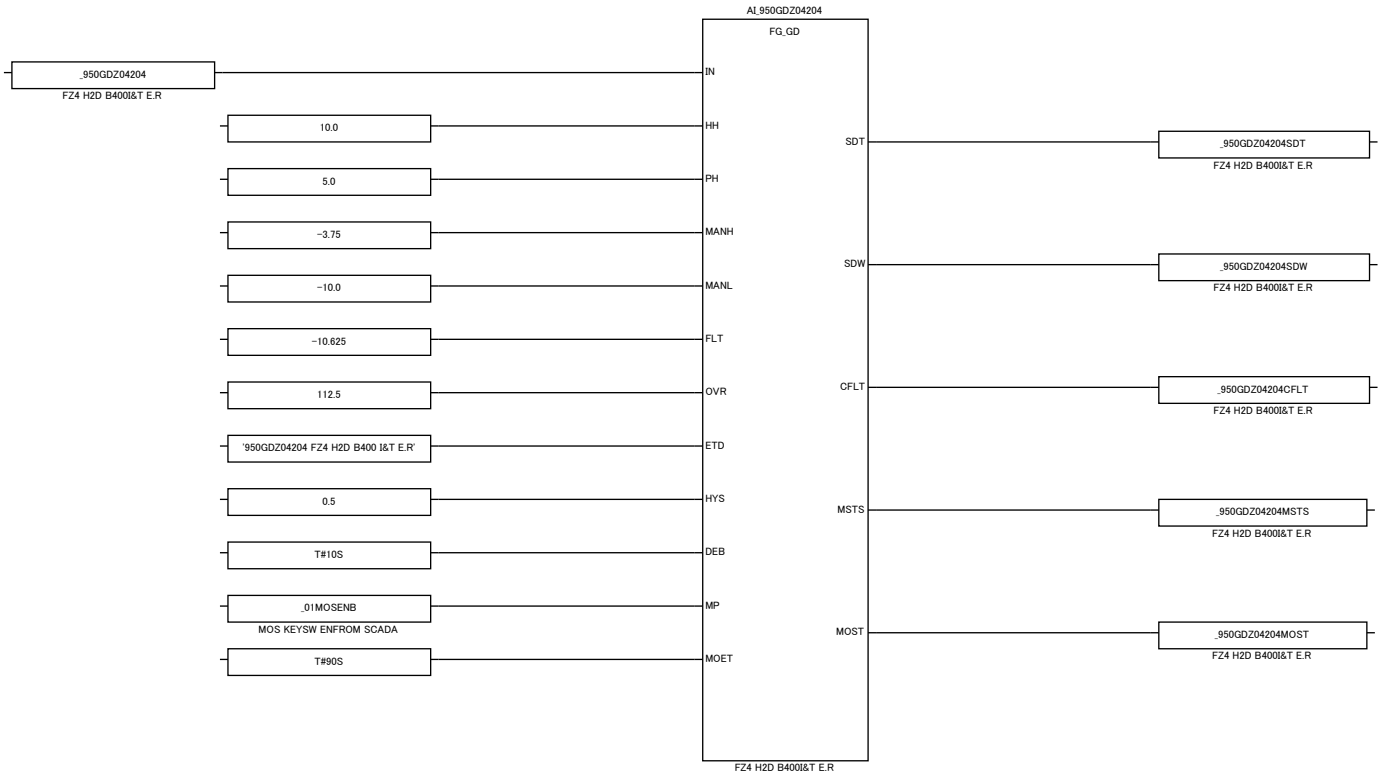
1.11. AI_GD_04(* Analog Input Processing-Gas Detector *)

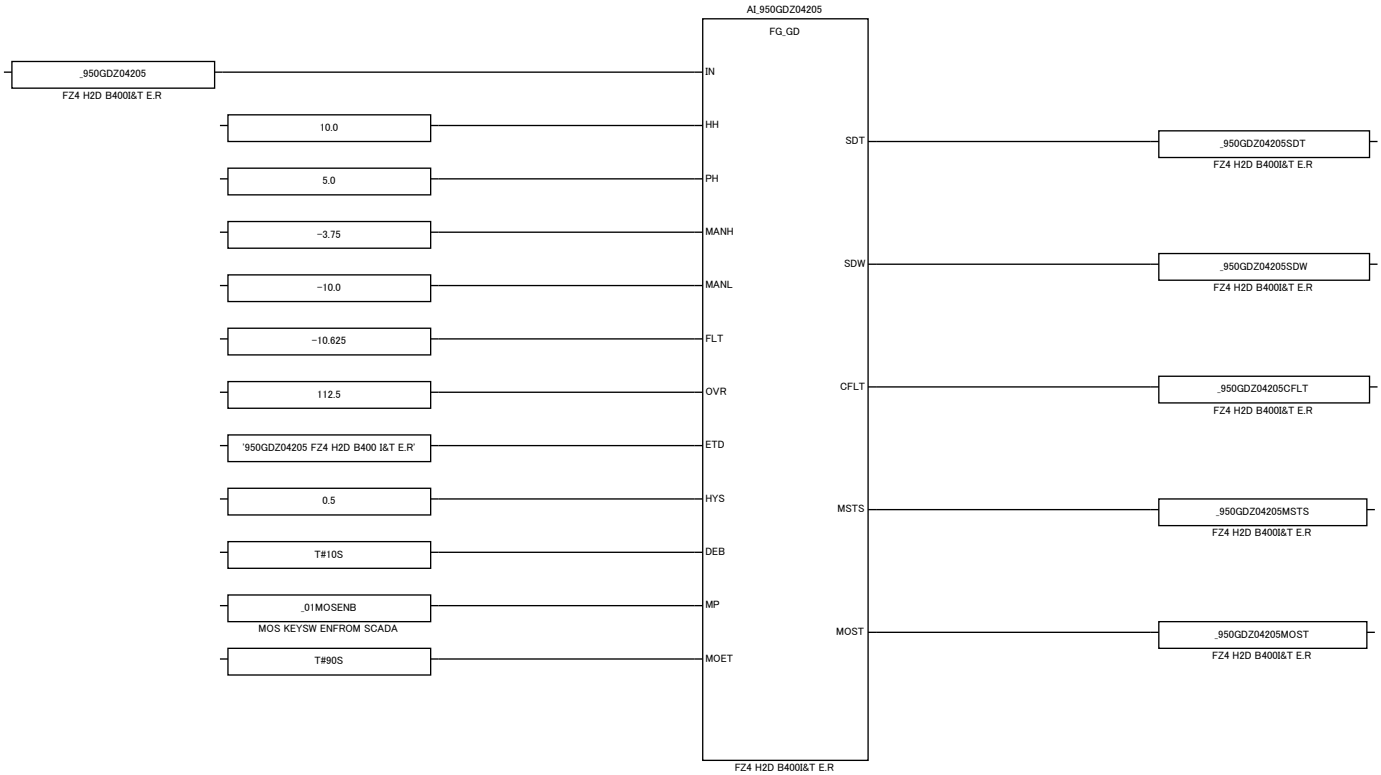




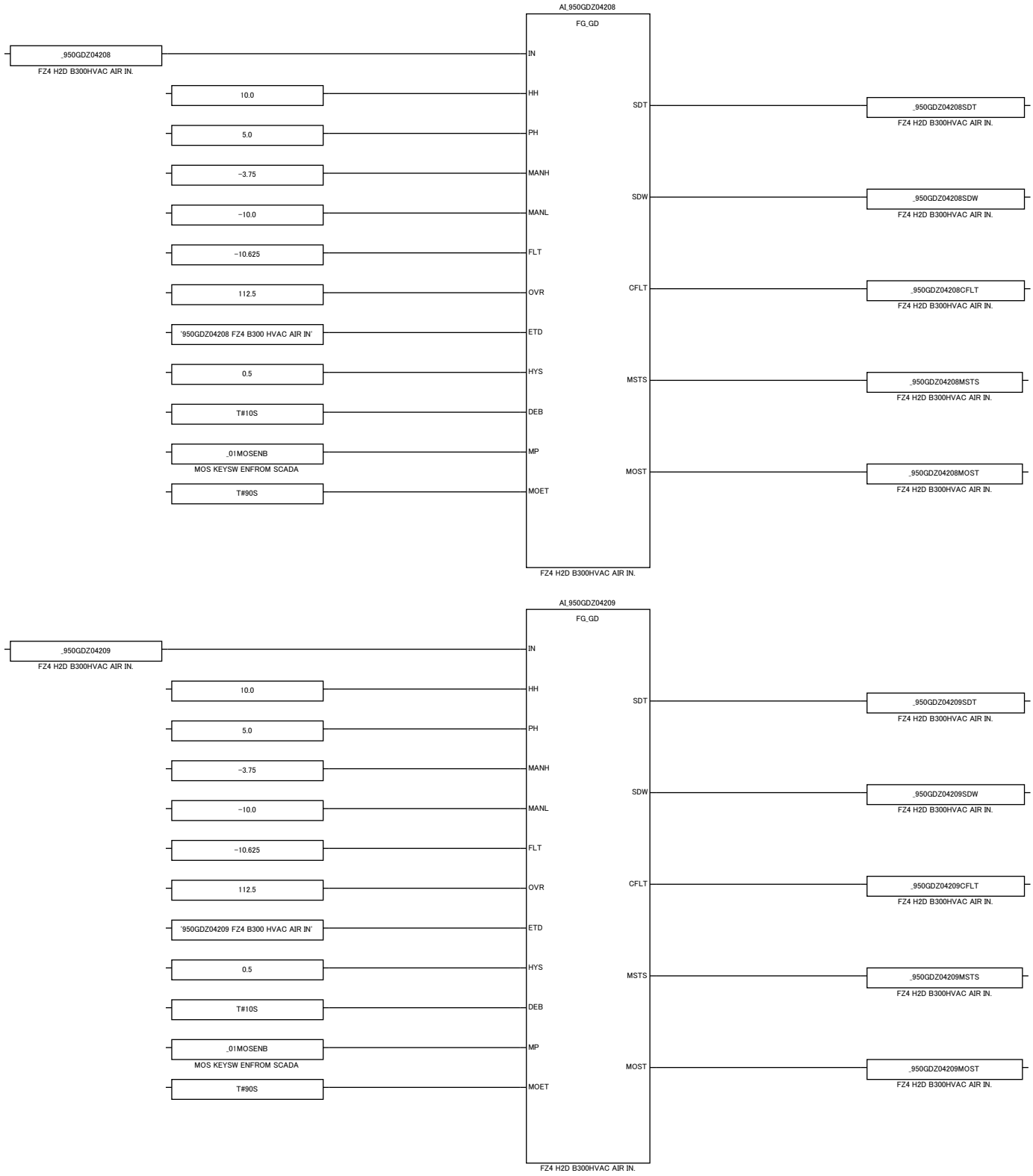

AI_950GDZ04202
FG_GD
_950GDZ04202
FZ4 H2D B400HVAC AIR IN.
10.0
5.0
-3.75
-10.0
-10.625
112.5
'950GDZ04202 FZ4 B400 HVAC AIR IN'
0.5
T#10S
_01MOSENB
MOS KEYSW ENFROM SCADA
T#90S
IN
HH
PH
MANH
MANL
FLT
OVR
ETD
HYS
DEB
MP
MOET
SDT
SDW
CFLT
MSTS
MOST
_950GDZ04202SDT
_950GDZ04202SDW
_950GDZ04202CFLT
_950GDZ04202MSTS
_950GDZ04202MOST
FZ4 H2D B400HVAC AIR IN.


AI_950GDZ04203
FG_GD
_950GDZ04203
FZ4 H2D B400HVAC AIR IN.
10.0
5.0
-3.75
-10.0
-10.625
112.5
'950GDZ04203 FZ4 B400 HVAC AIR IN'
0.5
T#10S
_01MOSENB
MOS KEYSW ENFROM SCADA
T#90S
IN
HH
PH
MANH
MANL
FLT
OVR
ETD
HYS
DEB
MP
MOET
SDT
SDW
CFLT
MSTS
MOST
_950GDZ04203SDT
_950GDZ04203SDW
_950GDZ04203CFLT
_950GDZ04203MSTS
_950GDZ04203MOST
FZ4 H2D B400HVAC AIR IN.

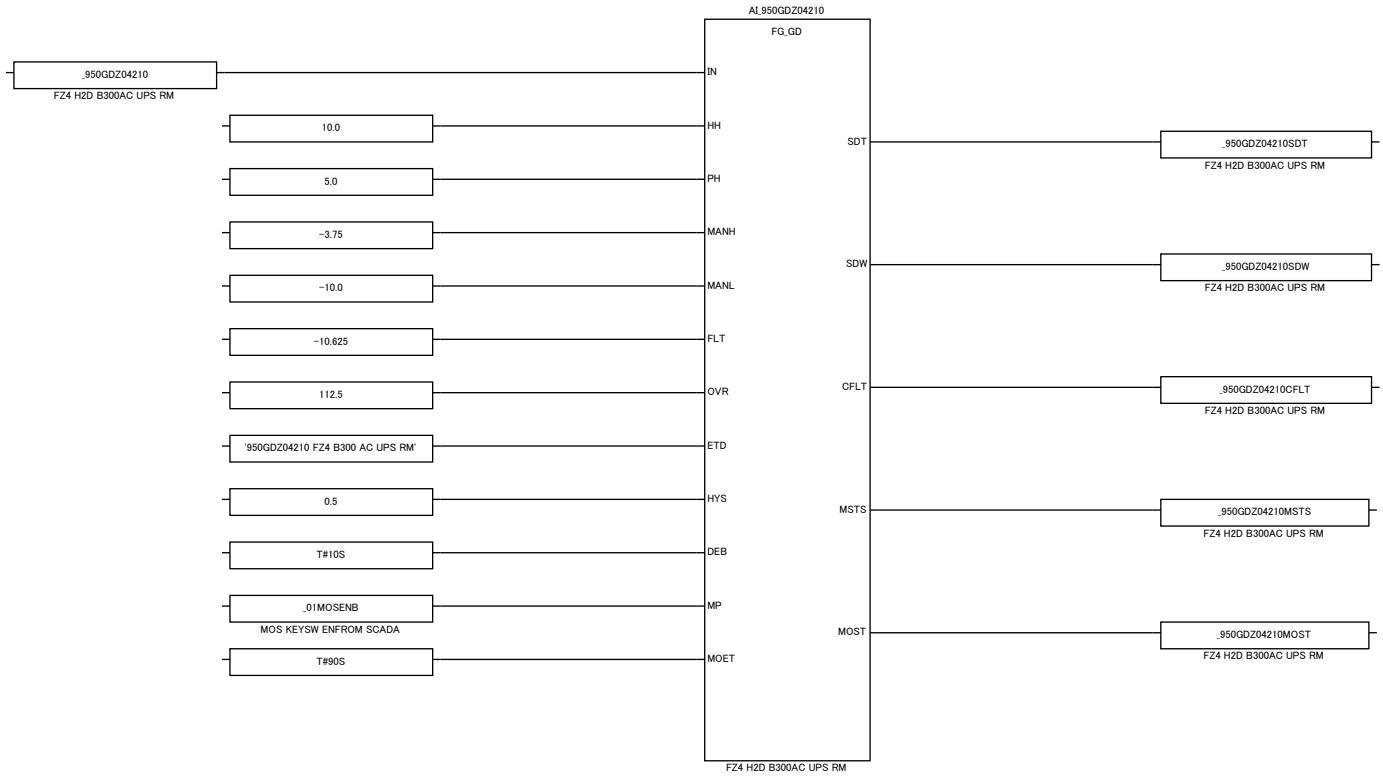

AI_950GDZ04204
FG_GD
_950GDZ04204
FZ4 H2D B400I&T E.R
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04204 FZ4 H2D B400 I&T E.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ04204SDT
FZ4 H2D B400I&T E.R
SDW
_950GDZ04204SDW
FZ4 H2D B400I&T E.R
CFLT
_950GDZ04204CFLT
FZ4 H2D B400I&T E.R
MSTS
_950GDZ04204MSTS
FZ4 H2D B400I&T E.R
MOST
_950GDZ04204MOST
FZ4 H2D B400I&T E.R
FZ4 H2D B400I&T E.R

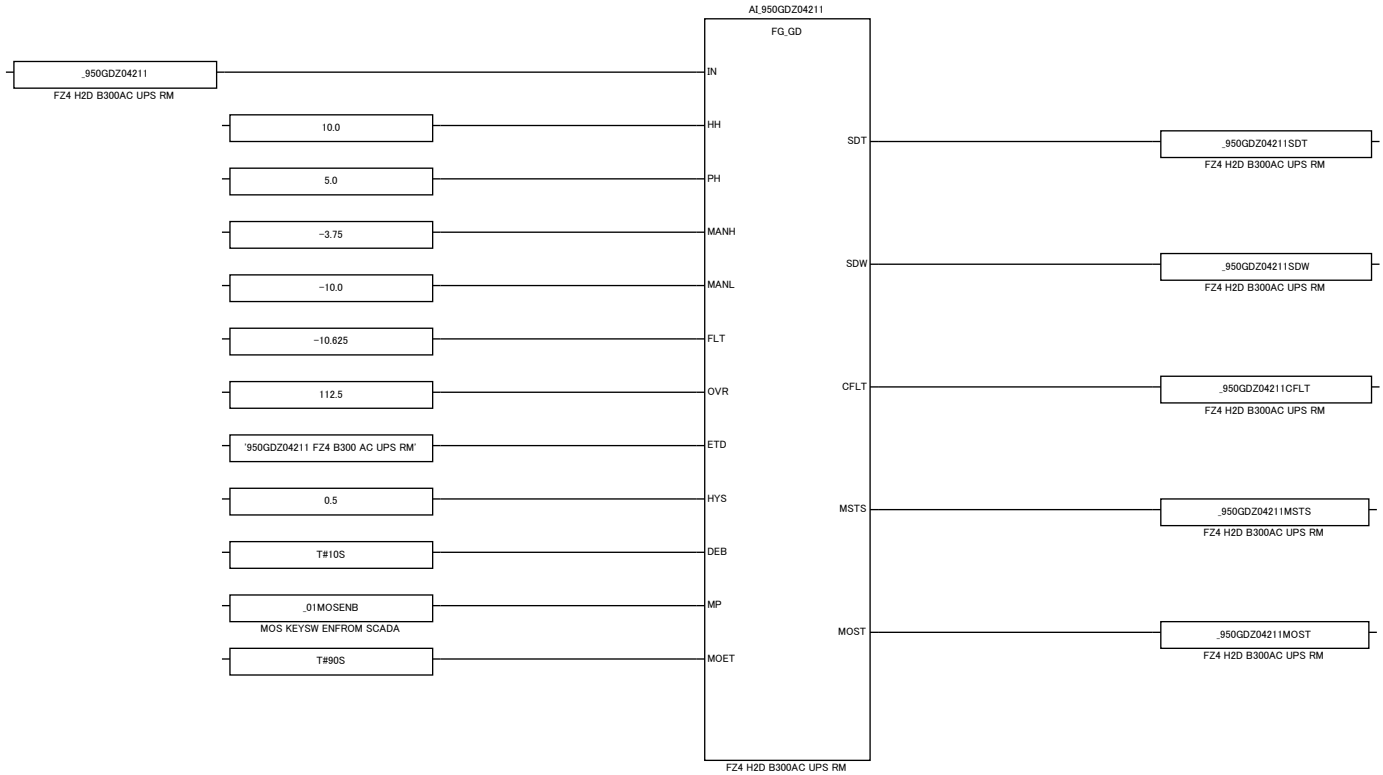

AI_950GDZ04205
FG_GD
_950GDZ04205
FZ4 H2D B400I&T E.R
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04205 FZ4 H2D B400 I&T E.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ04205SDT
FZ4 H2D B400I&T E.R
SDW
_950GDZ04205SDW
FZ4 H2D B400I&T E.R
CFLT
_950GDZ04205CFLT
FZ4 H2D B400I&T E.R
MSTS
_950GDZ04205MSTS
FZ4 H2D B400I&T E.R
MOST
_950GDZ04205MOST
FZ4 H2D B400I&T E.R
FZ4 H2D B400I&T E.R

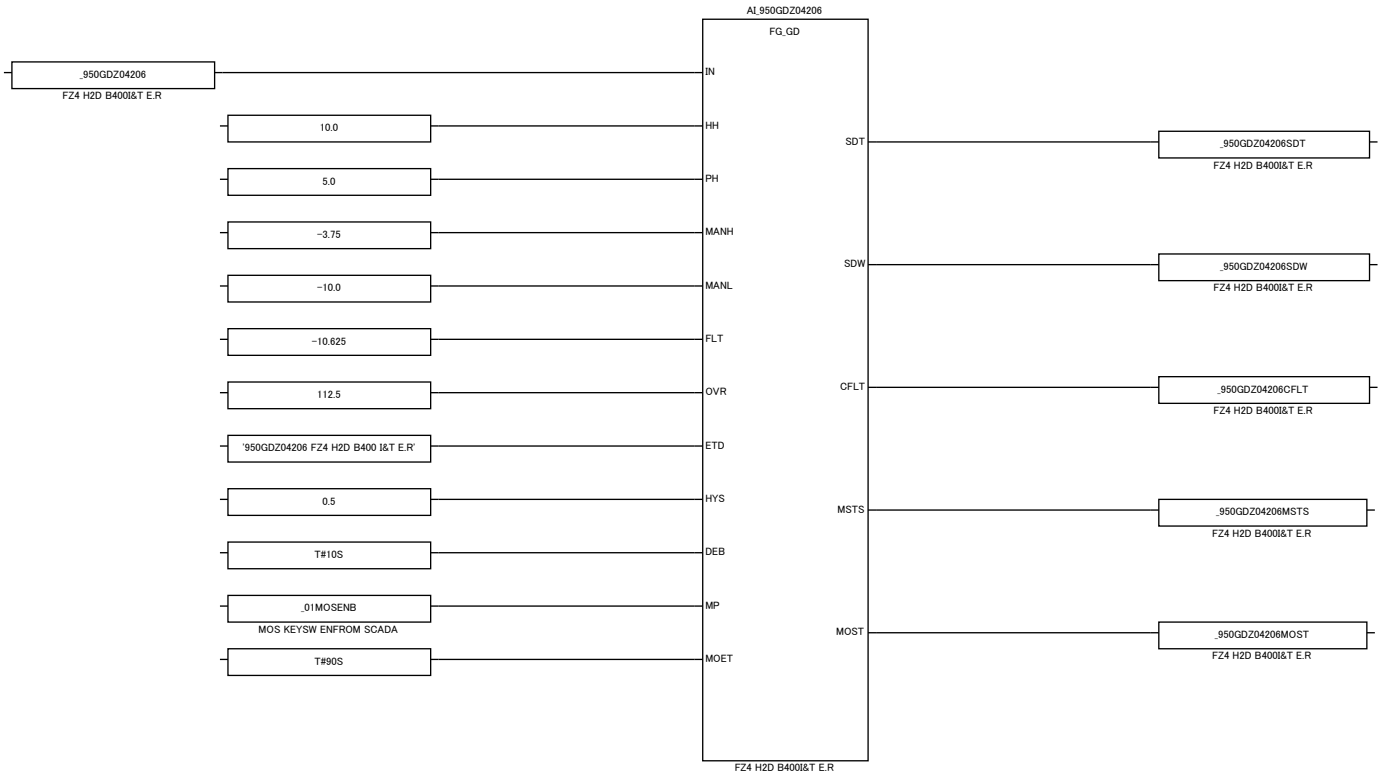
1.12. AI_GD_05(* Analog Input Processing-Gas Detector *)

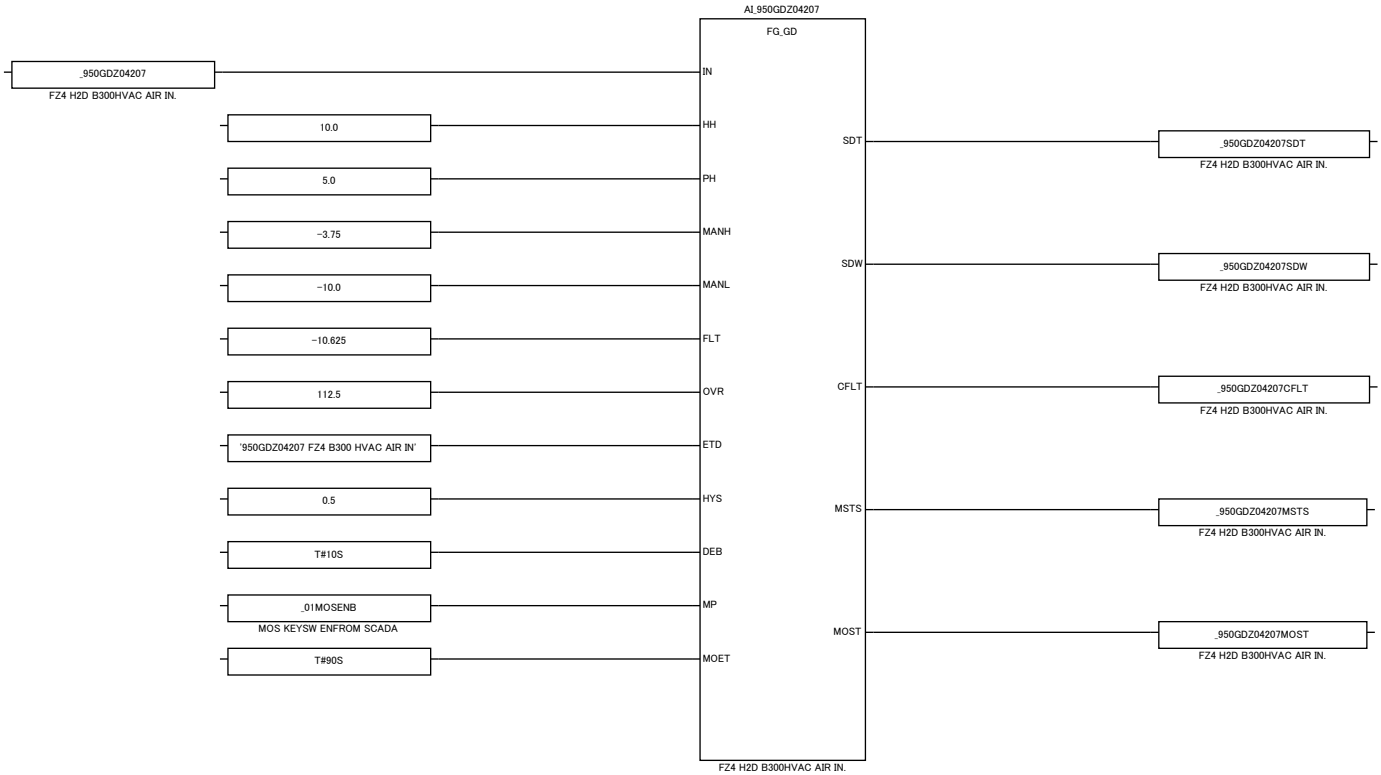


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 30
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

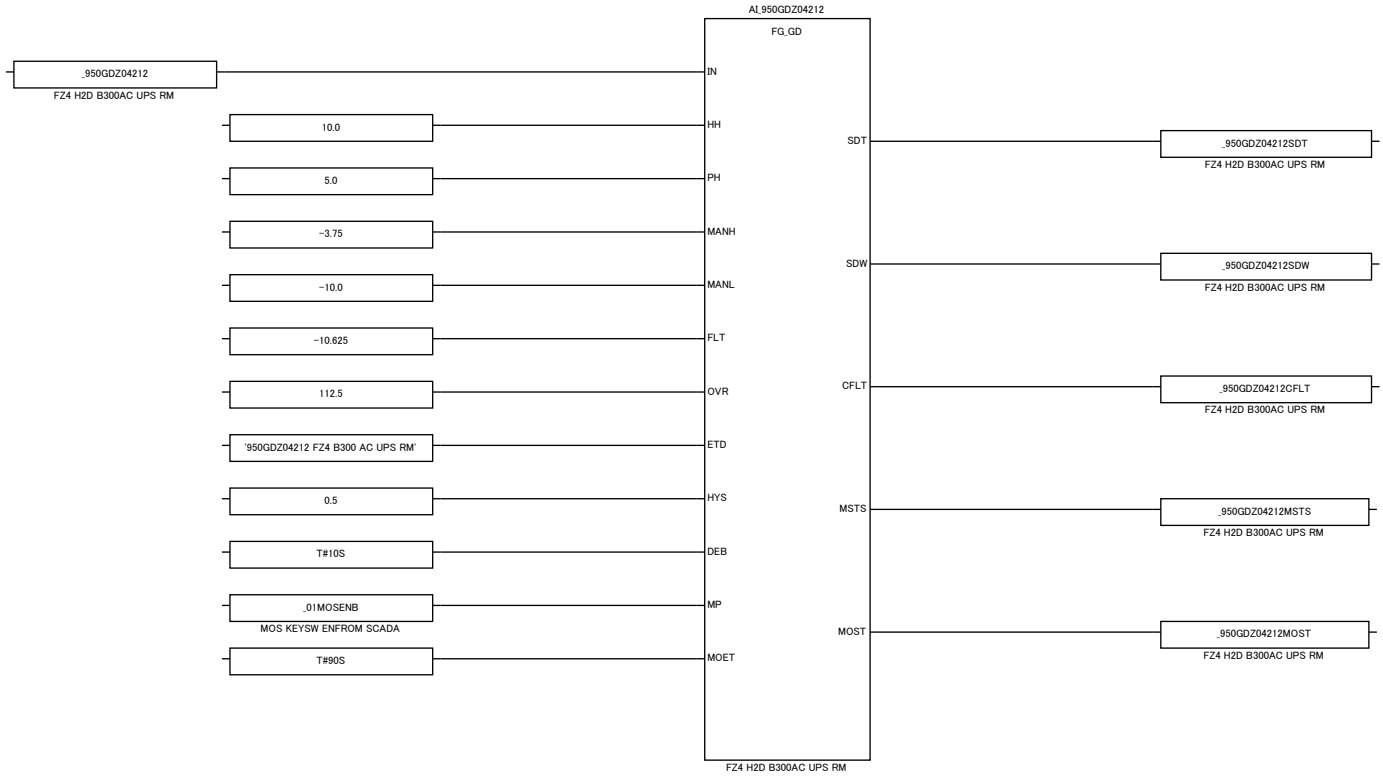

AI_950GDZ04210
FG_GD
_950GDZ04210
FZ4 H2D B300AC UPS RM
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04210 FZ4 B300 AC UPS RM'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ04210SDT
FZ4 H2D B300AC UPS RM
SDW
_950GDZ04210SDW
FZ4 H2D B300AC UPS RM
CFLT
_950GDZ04210CFLT
FZ4 H2D B300AC UPS RM
MSTS
_950GDZ04210MSTS
FZ4 H2D B300AC UPS RM
MOST
_950GDZ04210MOST
FZ4 H2D B300AC UPS RM
FZ4 H2D B300AC UPS RM

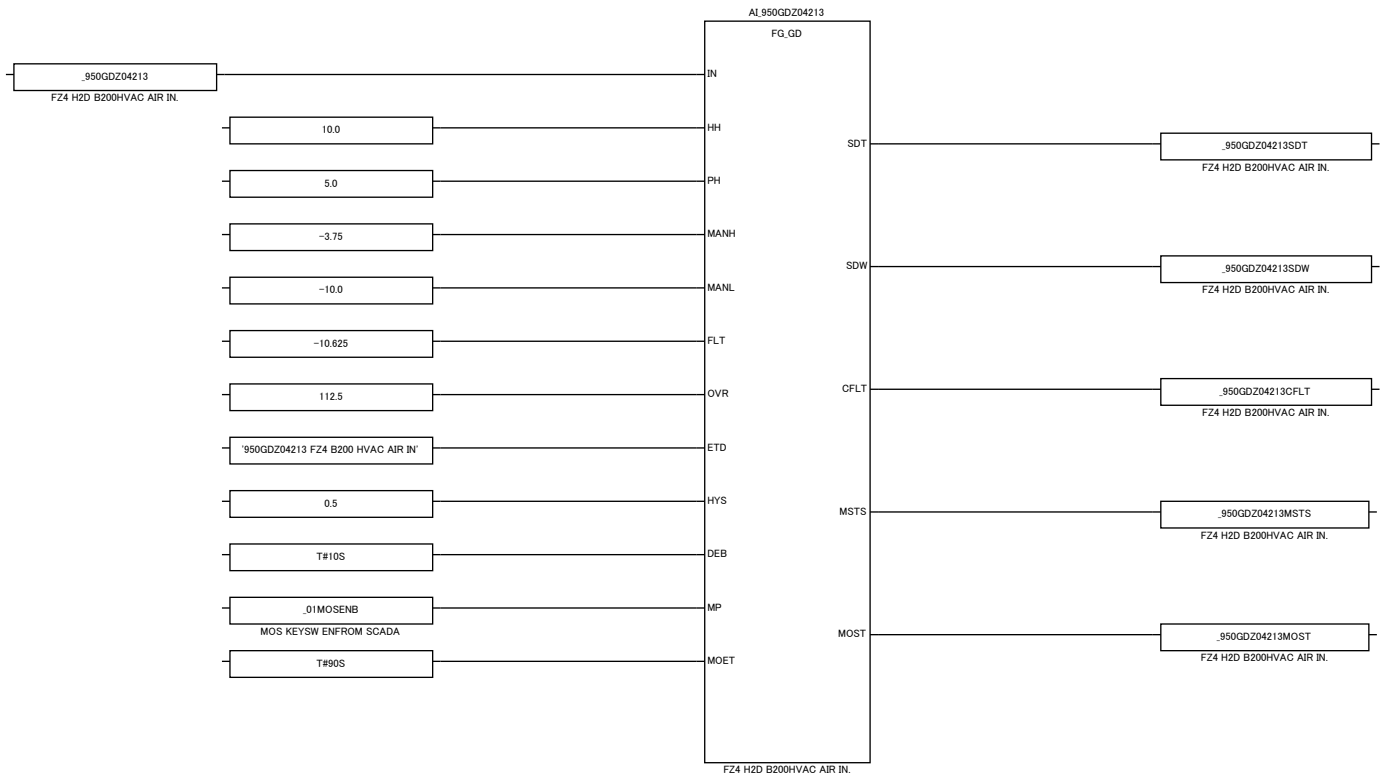

AI_950GDZ04211
FG_GD
_950GDZ04211
FZ4 H2D B300AC UPS RM
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04211 FZ4 B300 AC UPS RM'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ04211SDT
FZ4 H2D B300AC UPS RM
SDW
_950GDZ04211SDW
FZ4 H2D B300AC UPS RM
CFLT
_950GDZ04211CFLT
FZ4 H2D B300AC UPS RM
MSTS
_950GDZ04211MSTS
FZ4 H2D B300AC UPS RM
MOST
_950GDZ04211MOST
FZ4 H2D B300AC UPS RM
FZ4 H2D B300AC UPS RM

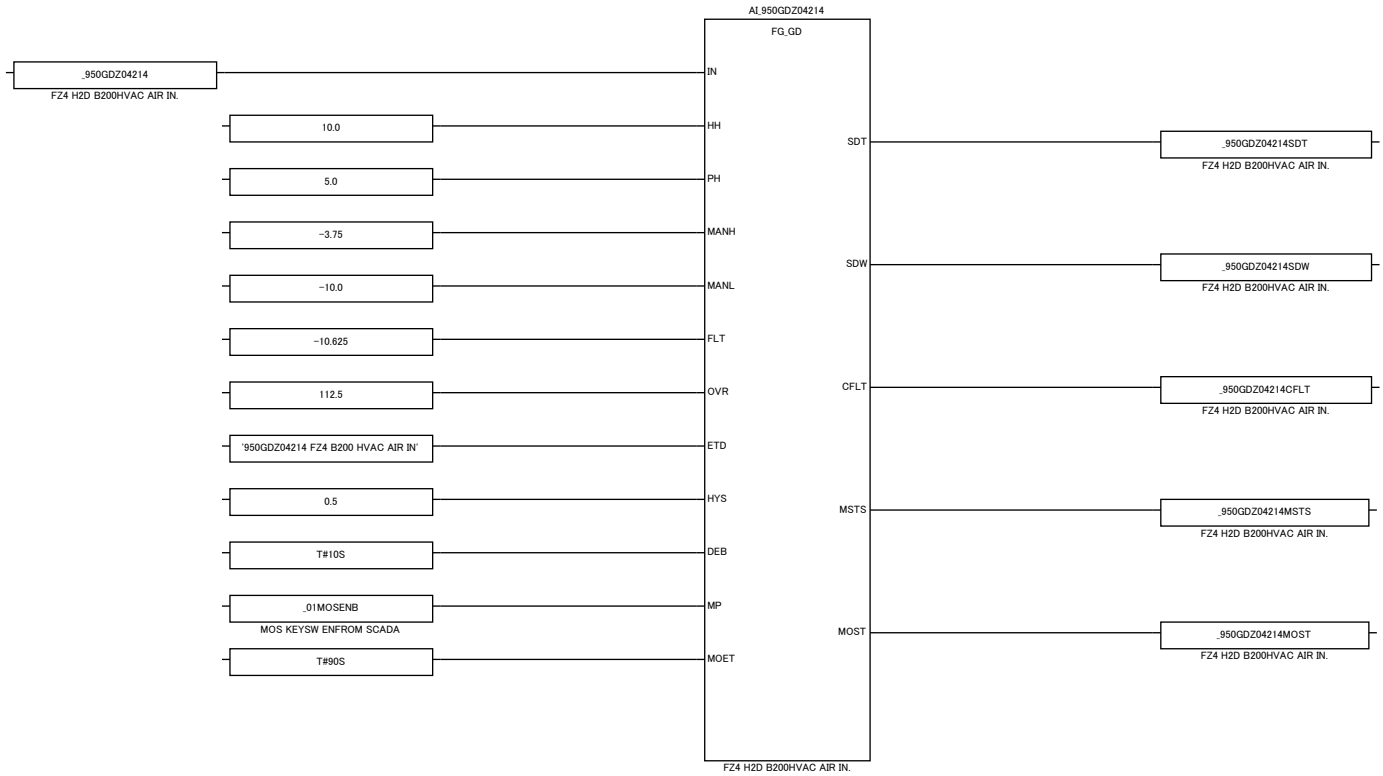

AI_950GDZ04206
FG_GD
_950GDZ04206
FZ4 H2D B400I&T E.R
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04206 FZ4 H2D B400 I&T E.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ04206SDT
FZ4 H2D B400I&T E.R
SDW
_950GDZ04206SDW
FZ4 H2D B400I&T E.R
CFLT
_950GDZ04206CFLT
FZ4 H2D B400I&T E.R
MSTS
_950GDZ04206MSTS
FZ4 H2D B400I&T E.R
MOST
_950GDZ04206MOST
FZ4 H2D B400I&T E.R
FZ4 H2D B400I&T E.R

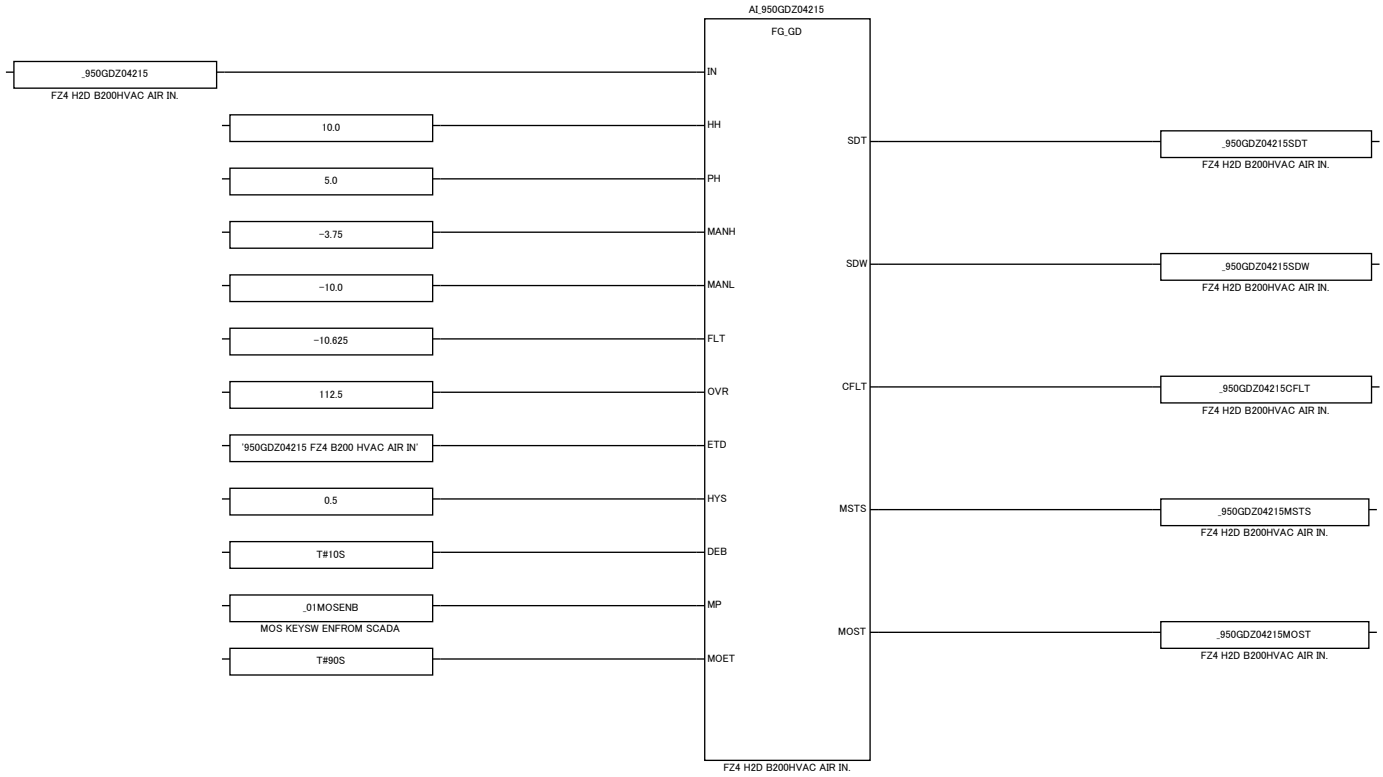

AI_950GDZ04207
FG_GD
_950GDZ04207
FZ4 H2D B300HVAC AIR IN.
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04207 FZ4 B300 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ04207SDT
FZ4 H2D B300HVAC AIR IN.
SDW
_950GDZ04207SDW
FZ4 H2D B300HVAC AIR IN.
CFLT
_950GDZ04207CFLT
FZ4 H2D B300HVAC AIR IN.
MSTS
_950GDZ04207MSTS
FZ4 H2D B300HVAC AIR IN.
MOST
_950GDZ04207MOST
FZ4 H2D B300HVAC AIR IN.
FZ4 H2D B300HVAC AIR IN.

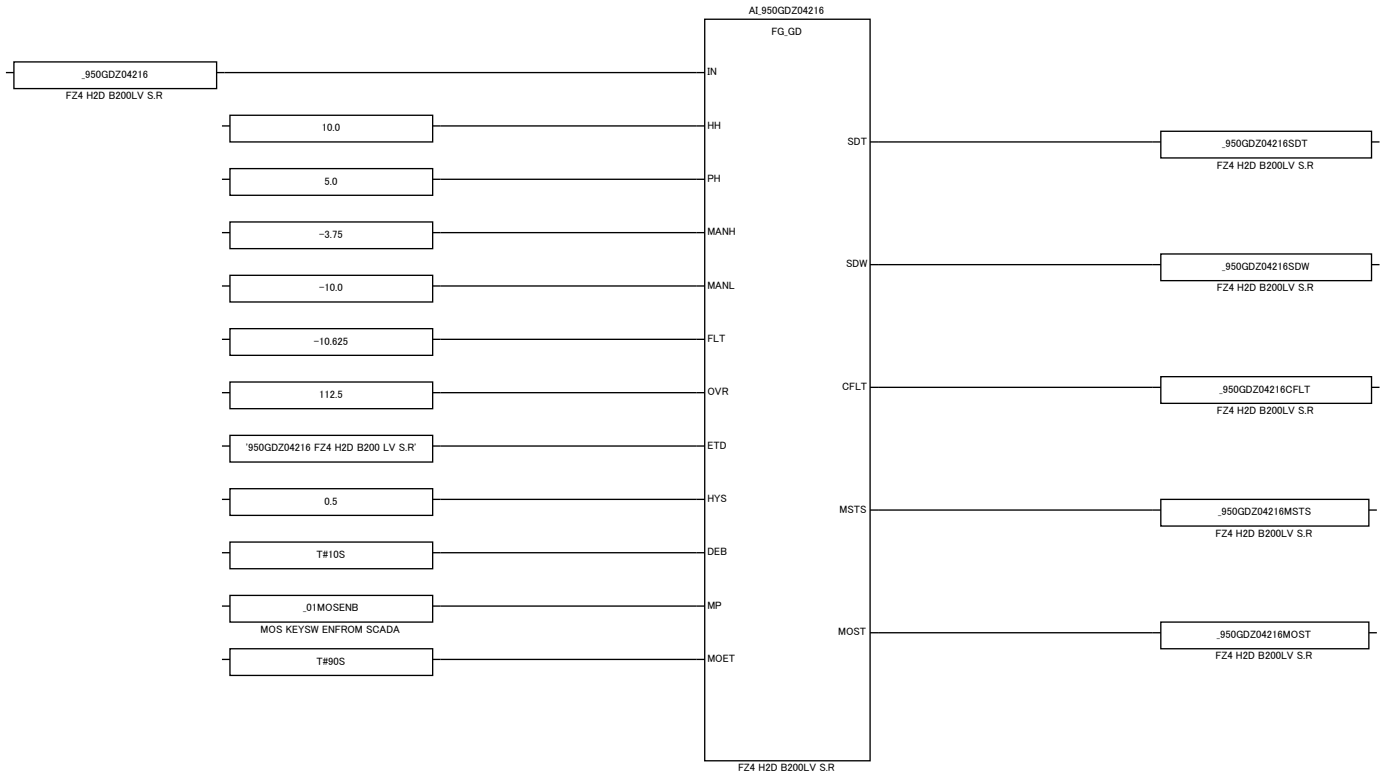
1.13. AI_GD_06(* Analog Input Processing-Gas Detector *)

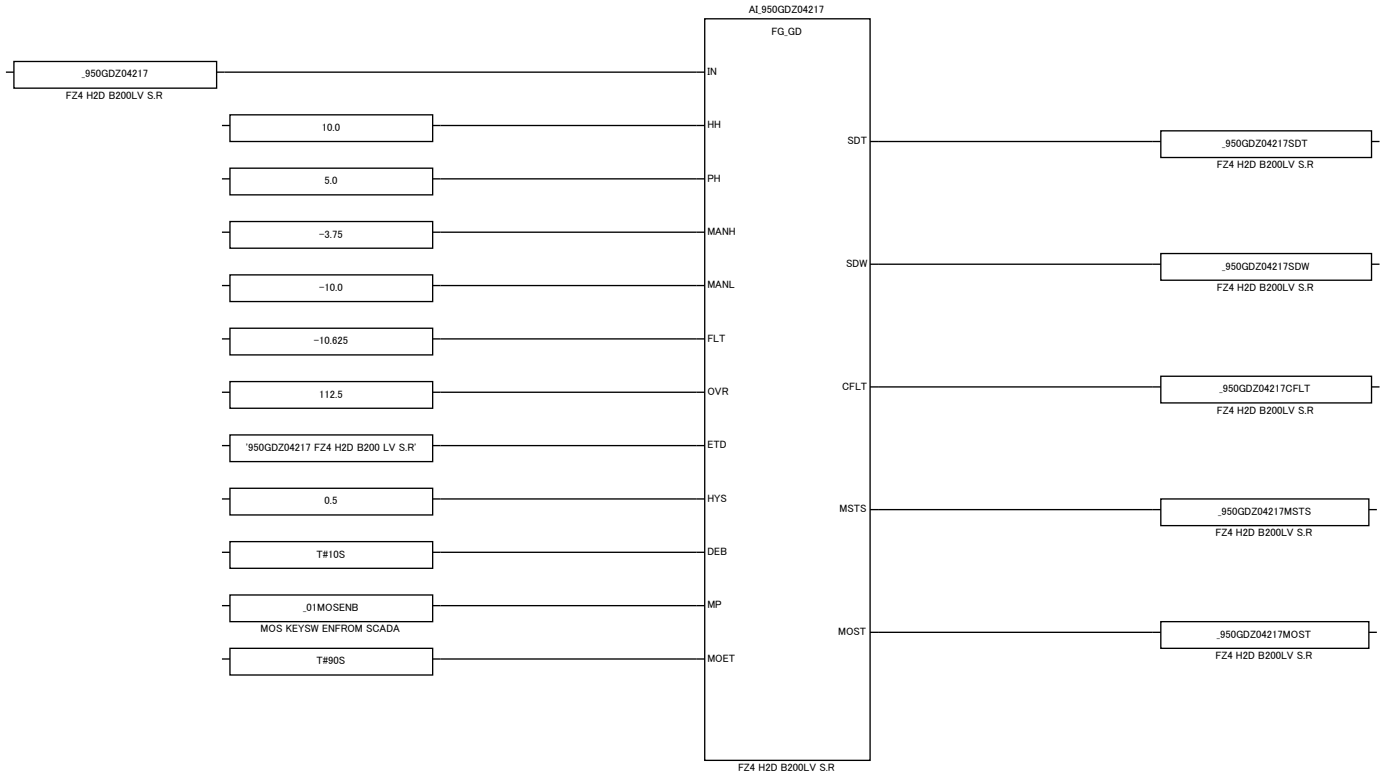




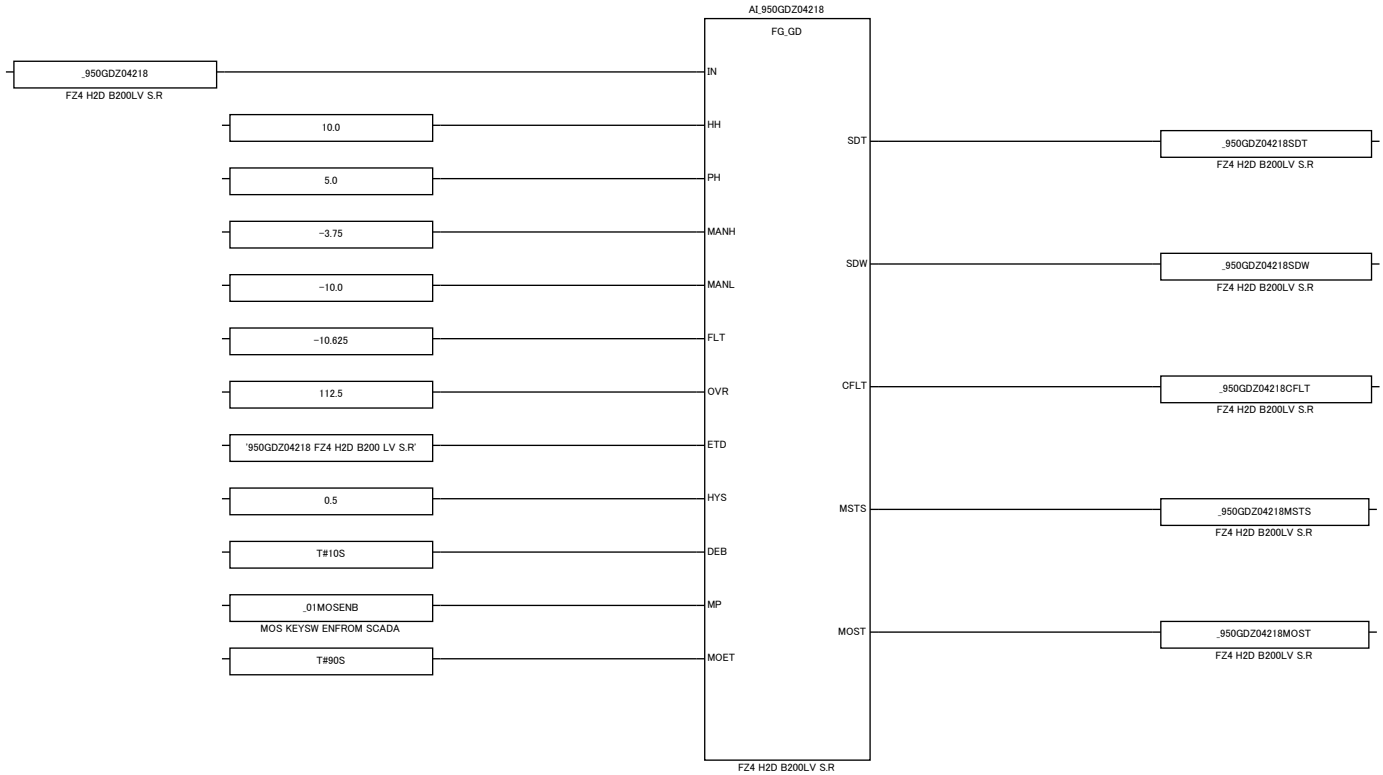

AI_950GDZ04214
FG_GD
_950GDZ04214
FZ4 H2D B200HVAC AIR IN.
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04214 FZ4 B200 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ4 H2D B200HVAC AIR IN.
SDT
_950GDZ04214SDT
FZ4 H2D B200HVAC AIR IN.
SDW
_950GDZ04214SDW
FZ4 H2D B200HVAC AIR IN.
CFLT
_950GDZ04214CFLT
FZ4 H2D B200HVAC AIR IN.
MSTS
_950GDZ04214MSTS
FZ4 H2D B200HVAC AIR IN.
MOST
_950GDZ04214MOST
FZ4 H2D B200HVAC AIR IN.

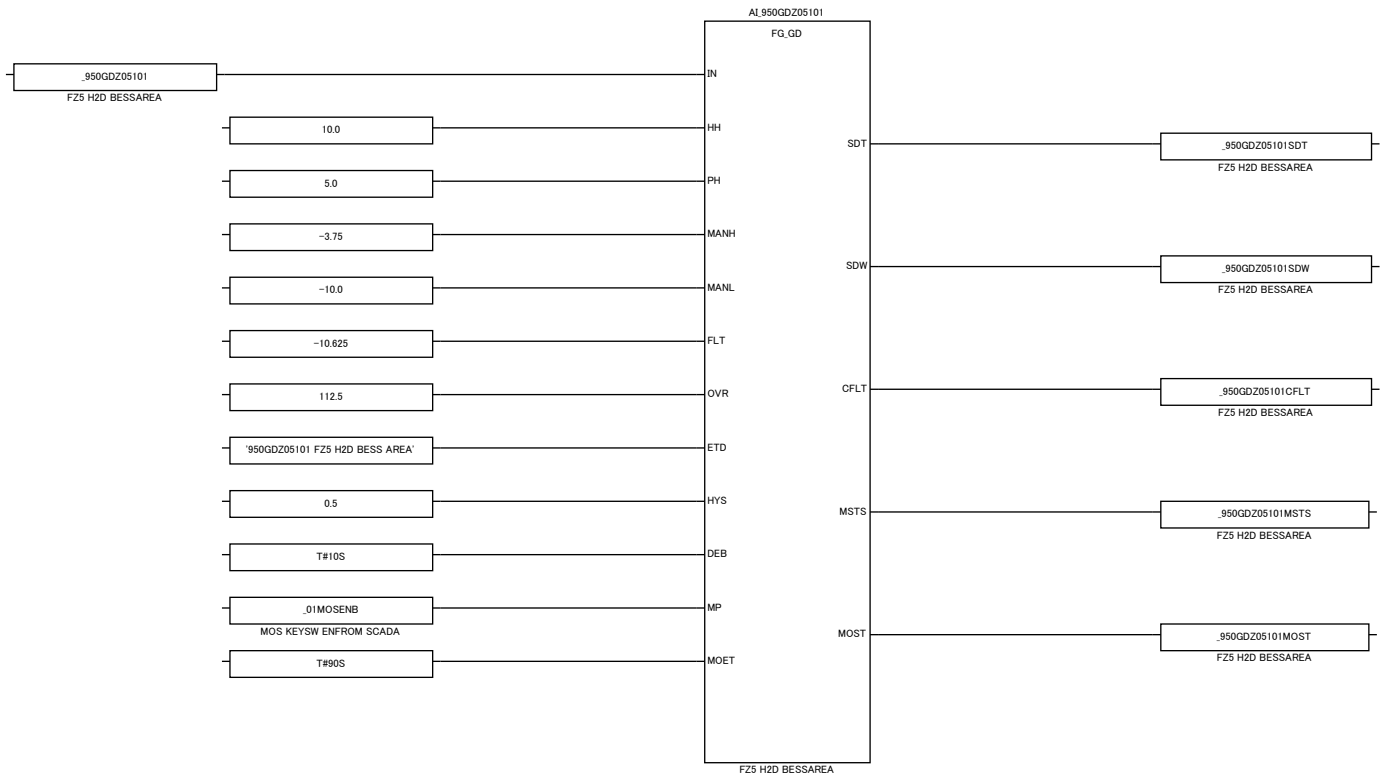

AI_950GDZ04215
FG_GD
_950GDZ04215
FZ4 H2D B200HVAC AIR IN.
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04215 FZ4 B200 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ4 H2D B200HVAC AIR IN.
SDT
_950GDZ04215SDT
FZ4 H2D B200HVAC AIR IN.
SDW
_950GDZ04215SDW
FZ4 H2D B200HVAC AIR IN.
CFLT
_950GDZ04215CFLT
FZ4 H2D B200HVAC AIR IN.
MSTS
_950GDZ04215MSTS
FZ4 H2D B200HVAC AIR IN.
MOST
_950GDZ04215MOST
FZ4 H2D B200HVAC AIR IN.

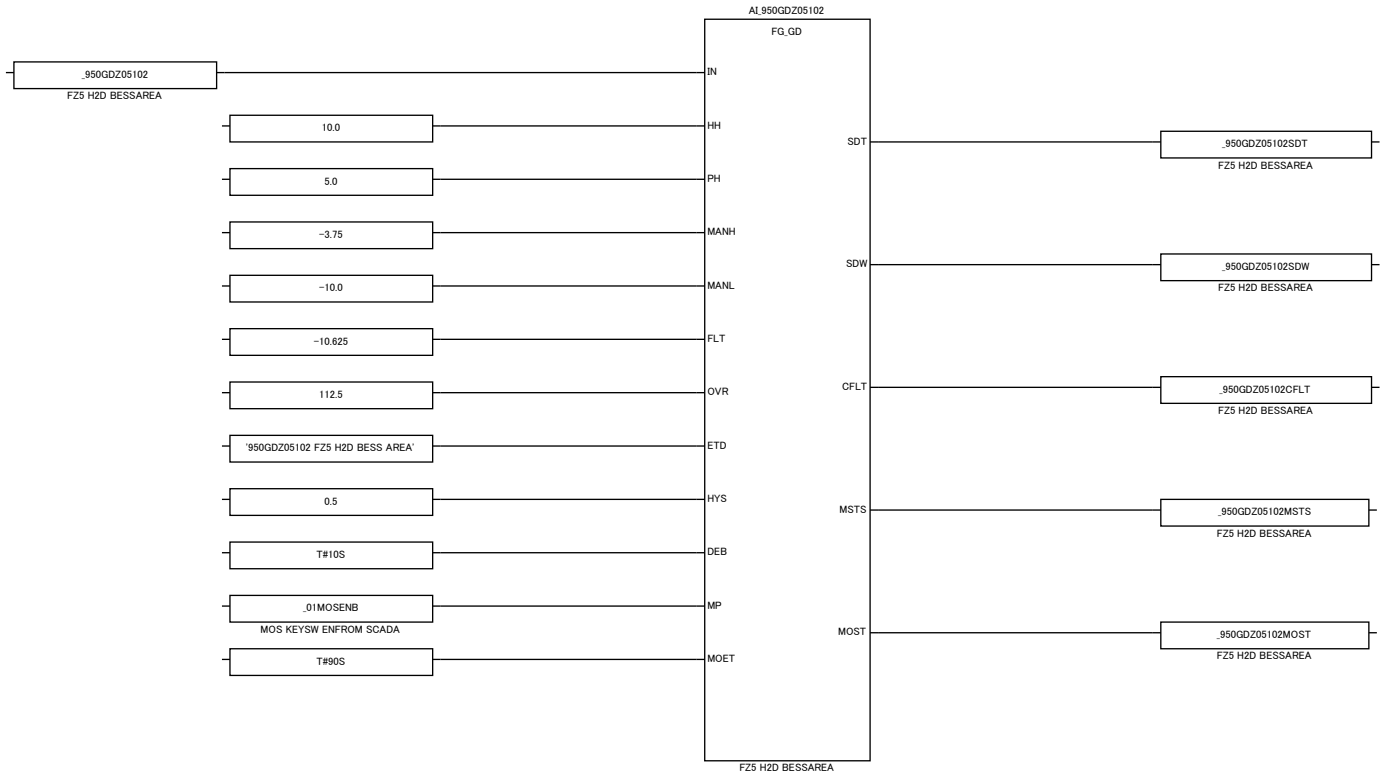

AI_950GDZ04216
FG_GD
_950GDZ04216
FZ4 H2D B200LV S.R
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04216 FZ4 H2D B200 LV S.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ04216SDT
FZ4 H2D B200LV S.R
SDW
_950GDZ04216SDW
FZ4 H2D B200LV S.R
CFLT
_950GDZ04216CFLT
FZ4 H2D B200LV S.R
MSTS
_950GDZ04216MSTS
FZ4 H2D B200LV S.R
MOST
_950GDZ04216MOST
FZ4 H2D B200LV S.R
FZ4 H2D B200LV S.R

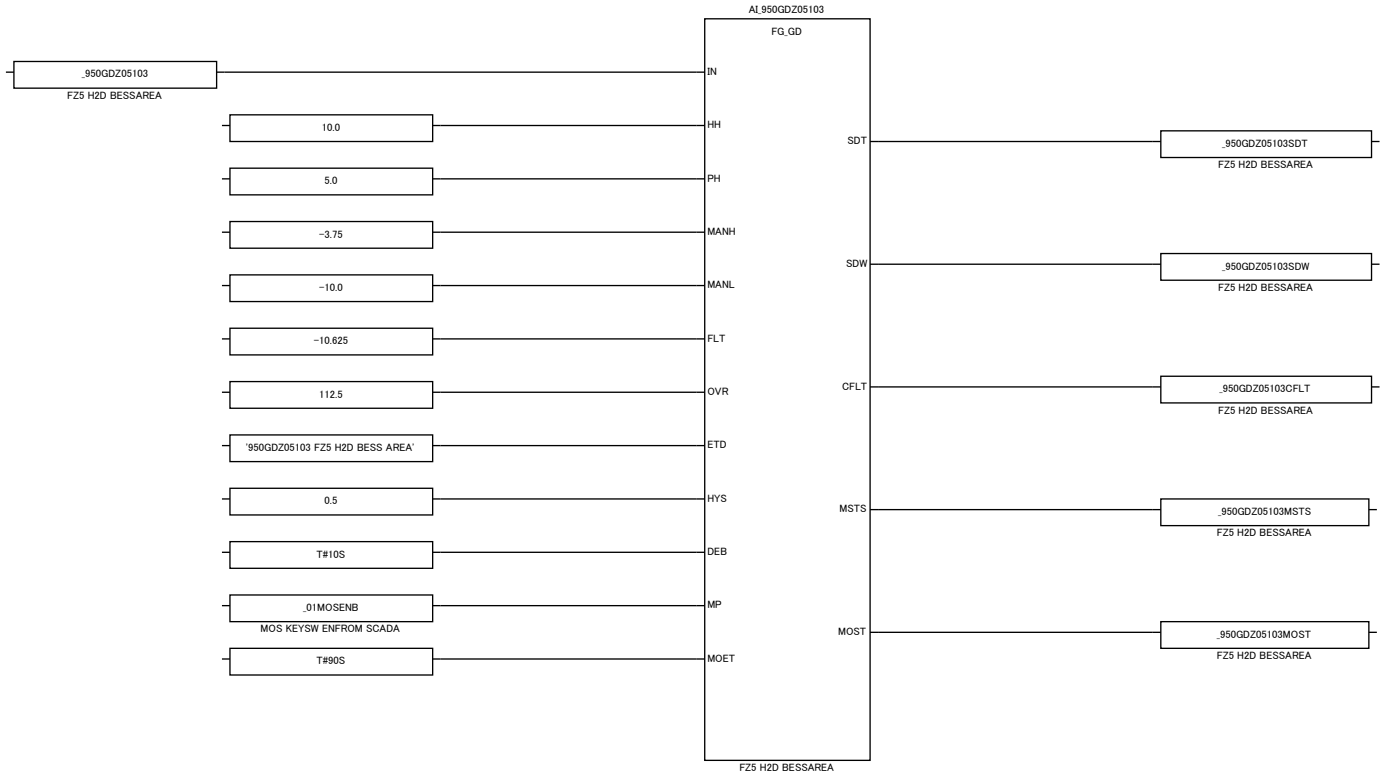

AI_950GDZ04217
FG_GD
_950GDZ04217
FZ4 H2D B200LV S.R
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ04217 FZ4 H2D B200 LV S.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ04217SDT
FZ4 H2D B200LV S.R
SDW
_950GDZ04217SDW
FZ4 H2D B200LV S.R
CFLT
_950GDZ04217CFLT
FZ4 H2D B200LV S.R
MSTS
_950GDZ04217MSTS
FZ4 H2D B200LV S.R
MOST
_950GDZ04217MOST
FZ4 H2D B200LV S.R
FZ4 H2D B200LV S.R

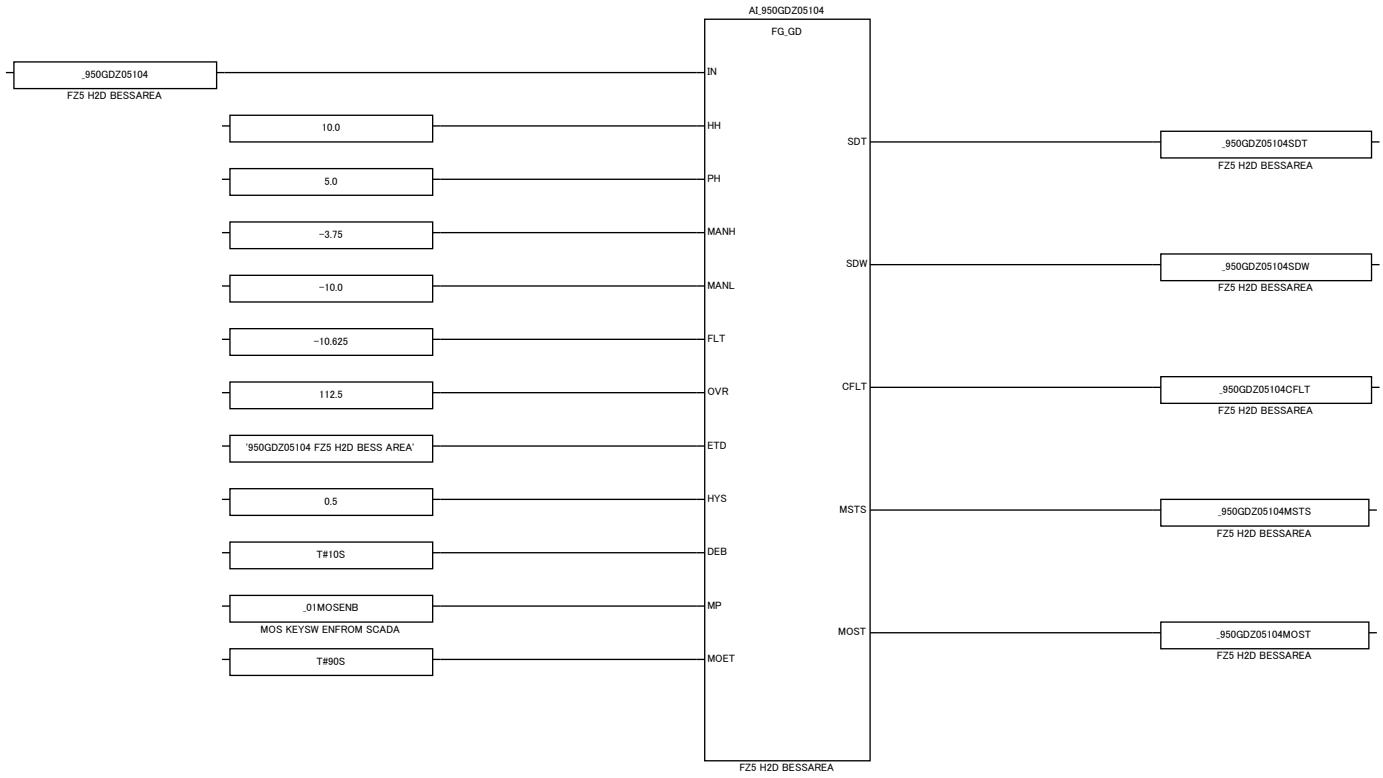
1.14. AI_GD_07(* Analog Input Processing-Gas Detector *)

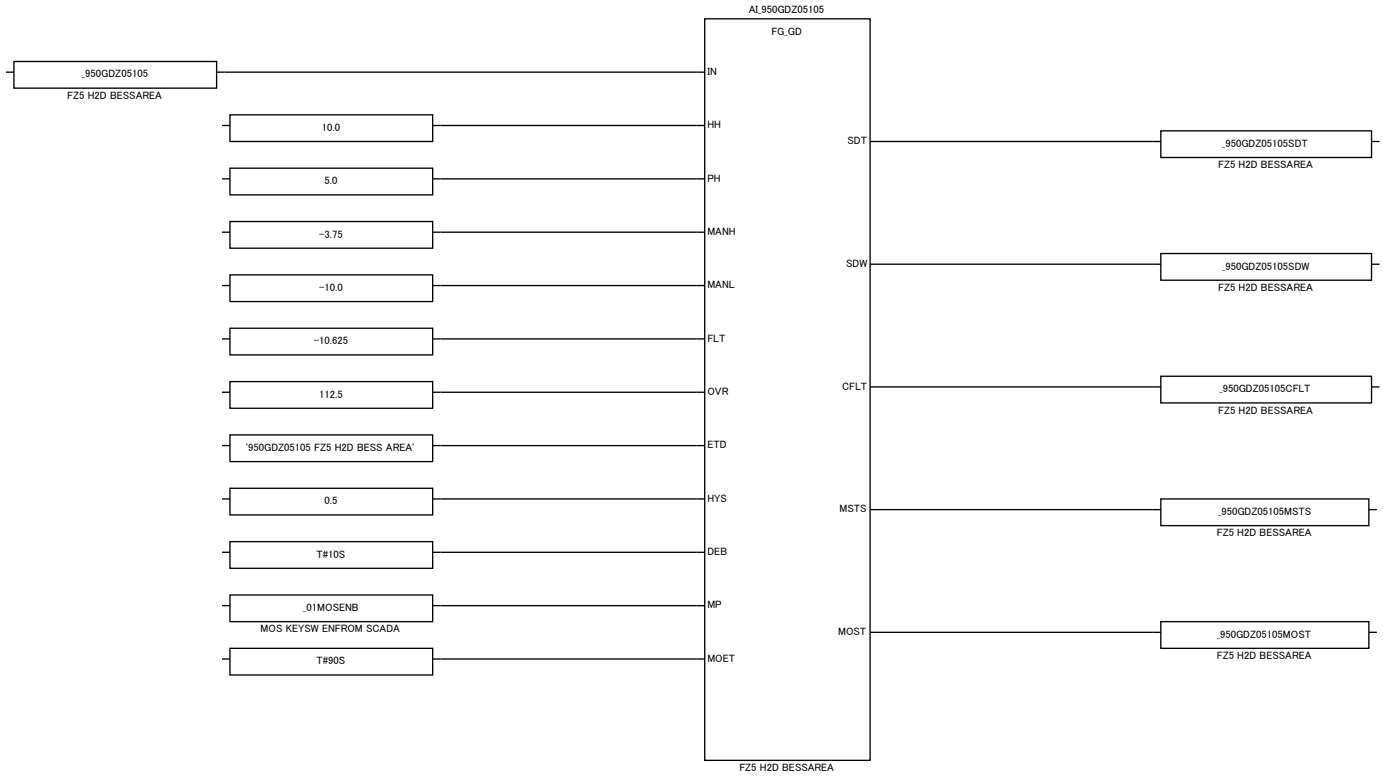




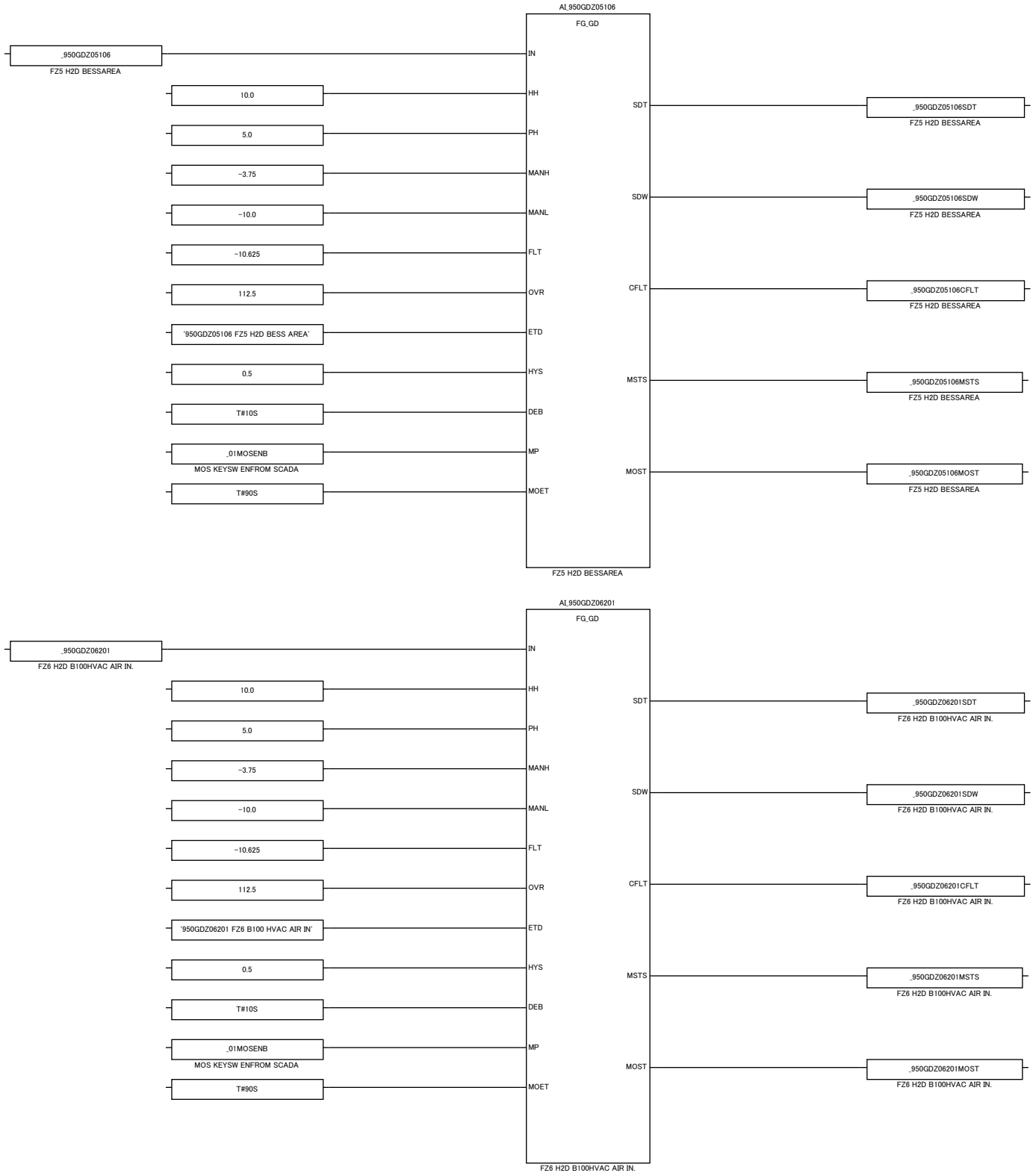

AI_950GDZ05102
FG_GD
_950GDZ05102
FZ5 H2D BESSAREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ05102 FZ5 H2D BESS AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ05102SDT
FZ5 H2D BESSAREA
SDW
_950GDZ05102SDW
FZ5 H2D BESSAREA
CFLT
_950GDZ05102CFLT
FZ5 H2D BESSAREA
MSTS
_950GDZ05102MSTS
FZ5 H2D BESSAREA
MOST
_950GDZ05102MOST
FZ5 H2D BESSAREA
FZ5 H2D BESSAREA

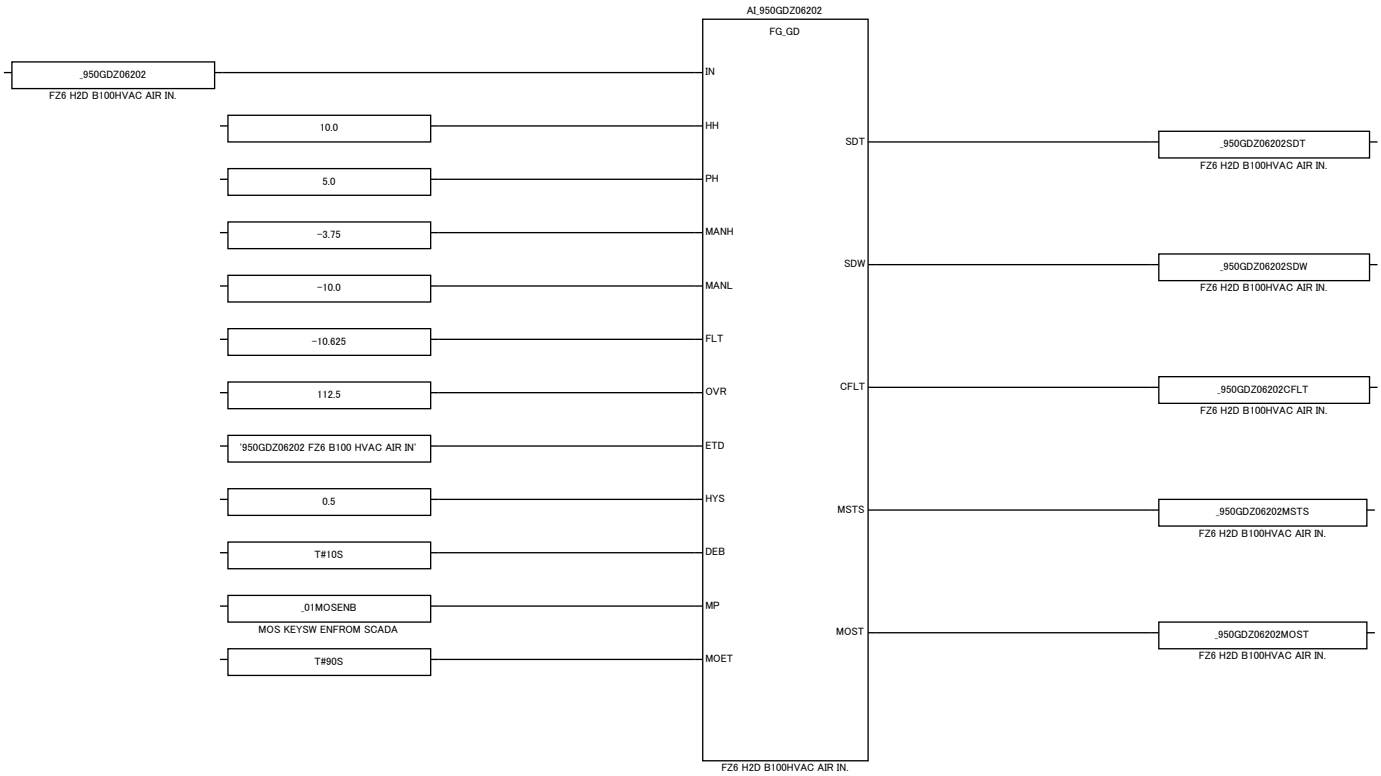

AI_950GDZ05103
FG_GD
_950GDZ05103
FZ5 H2D BESSAREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ05103 FZ5 H2D BESS AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ05103SDT
FZ5 H2D BESSAREA
SDW
_950GDZ05103SDW
FZ5 H2D BESSAREA
CFLT
_950GDZ05103CFLT
FZ5 H2D BESSAREA
MSTS
_950GDZ05103MSTS
FZ5 H2D BESSAREA
MOST
_950GDZ05103MOST
FZ5 H2D BESSAREA
FZ5 H2D BESSAREA

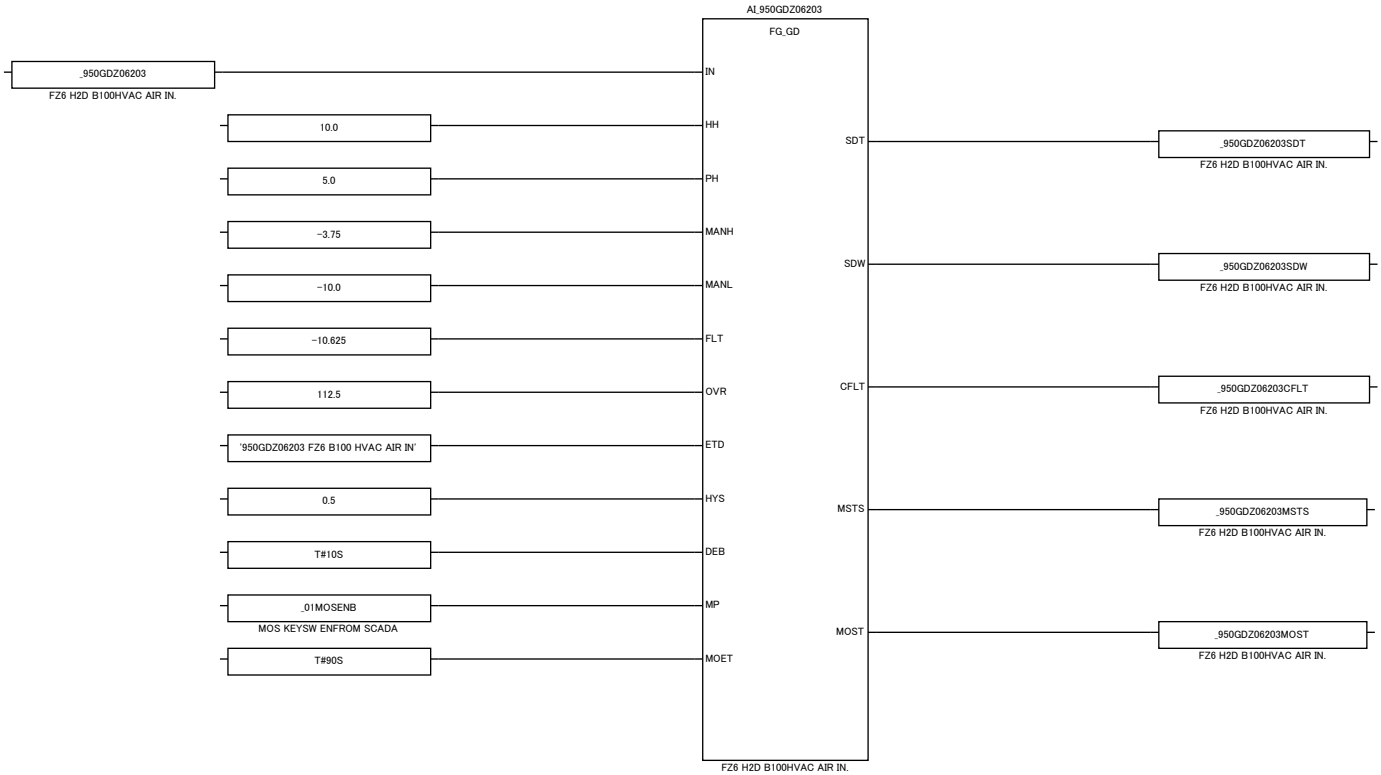

AI_950GDZ05104
FG_GD
_950GDZ05104
FZ5 H2D BESSAREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ05104 FZ5 H2D BESS AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ05104SDT
FZ5 H2D BESSAREA
SDW
_950GDZ05104SDW
FZ5 H2D BESSAREA
CFLT
_950GDZ05104CFLT
FZ5 H2D BESSAREA
MSTS
_950GDZ05104MSTS
FZ5 H2D BESSAREA
MOST
_950GDZ05104MOST
FZ5 H2D BESSAREA
FZ5 H2D BESSAREA

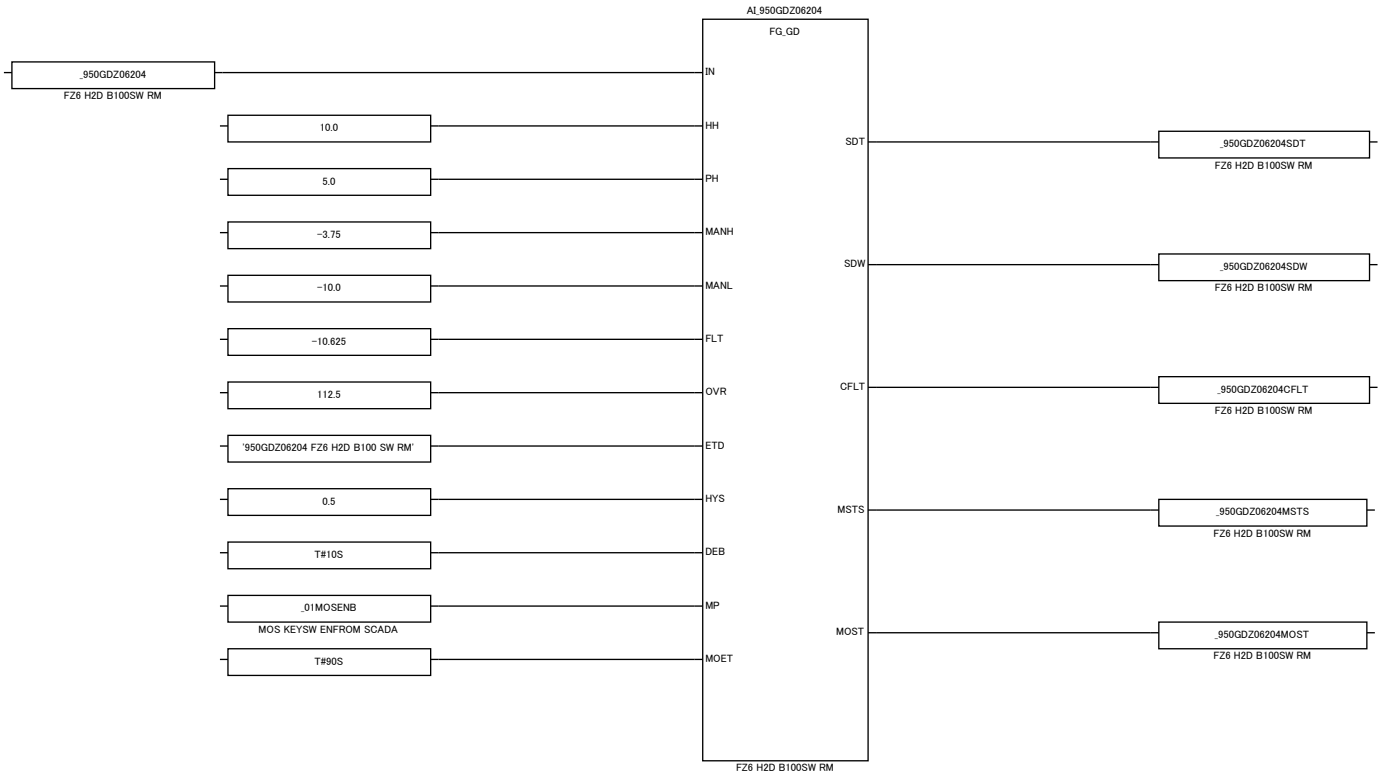

AI_950GDZ05105
FG_GD
_950GDZ05105
FZ5 H2D BESSAREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ05105 FZ5 H2D BESS AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ05105SDT
FZ5 H2D BESSAREA
SDW
_950GDZ05105SDW
FZ5 H2D BESSAREA
CFLT
_950GDZ05105CFLT
FZ5 H2D BESSAREA
MSTS
_950GDZ05105MSTS
FZ5 H2D BESSAREA
MOST
_950GDZ05105MOST
FZ5 H2D BESSAREA
FZ5 H2D BESSAREA

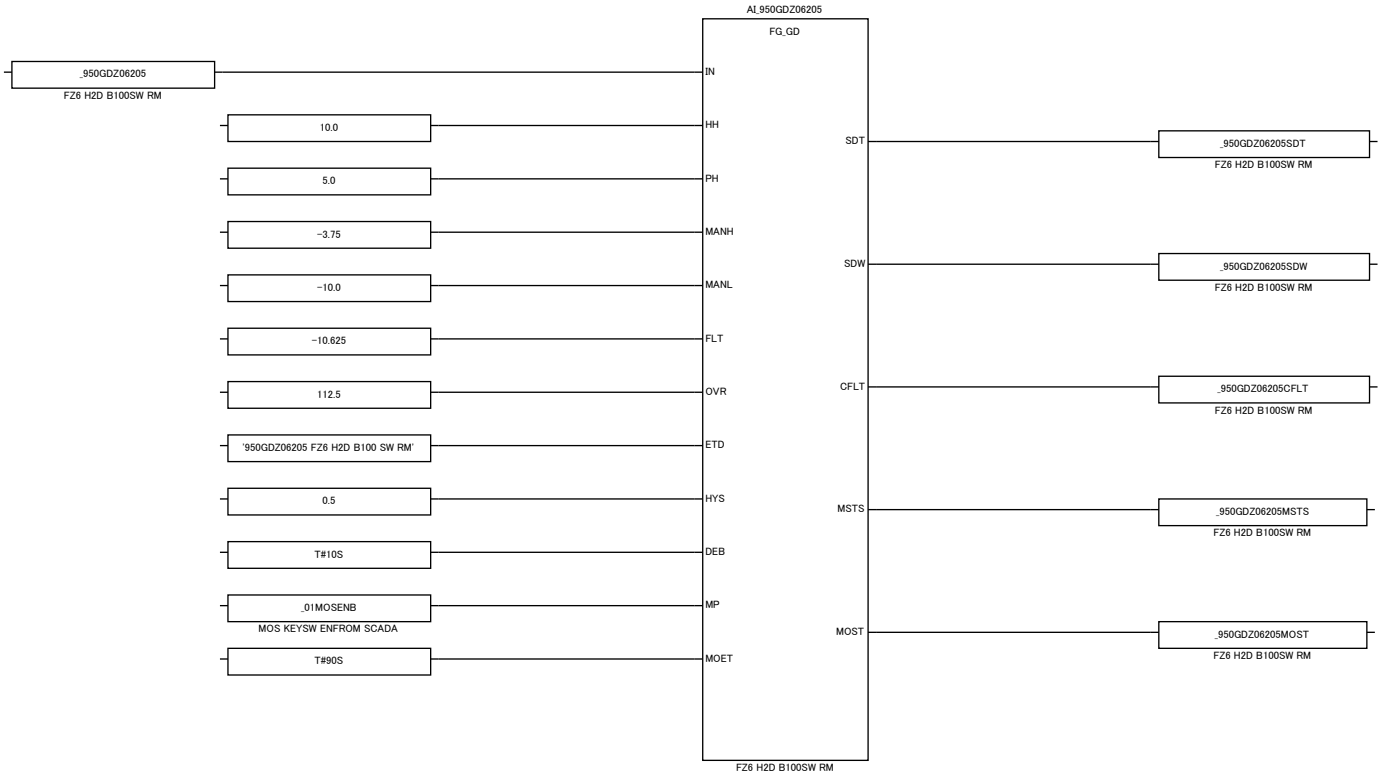
1.15. AI_GD_08(* Analog Input Processing-Gas Detector *)

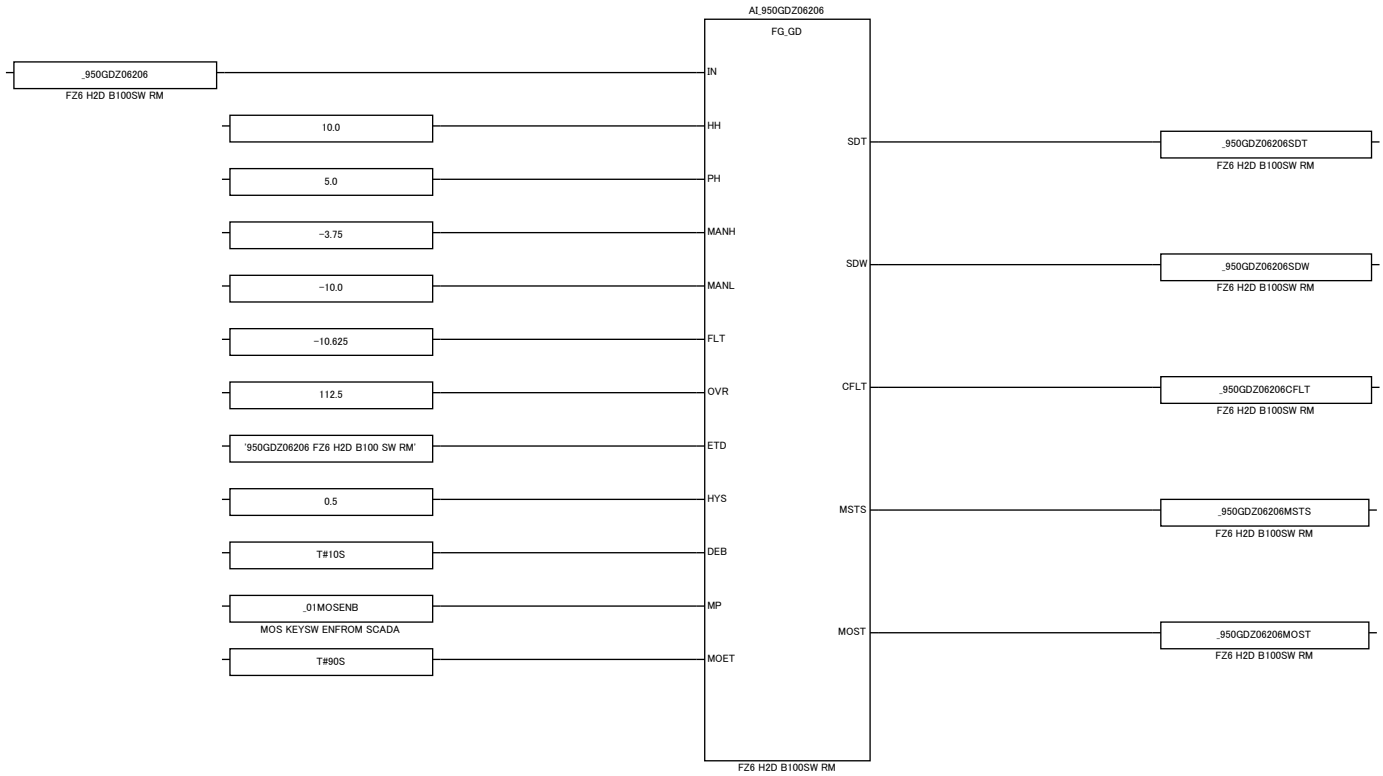



AI_950GDZ06202
FG_GD
_950GDZ06202
FZ6 H2D B100HVAC AIR IN.
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ06202 FZ6 B100 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ6 H2D B100HVAC AIR IN.
SDT
_950GDZ06202SDT
FZ6 H2D B100HVAC AIR IN.
SDW
_950GDZ06202SDW
FZ6 H2D B100HVAC AIR IN.
CFLT
_950GDZ06202CFLT
FZ6 H2D B100HVAC AIR IN.
MSTS
_950GDZ06202MSTS
FZ6 H2D B100HVAC AIR IN.
MOST
_950GDZ06202MOST
FZ6 H2D B100HVAC AIR IN.

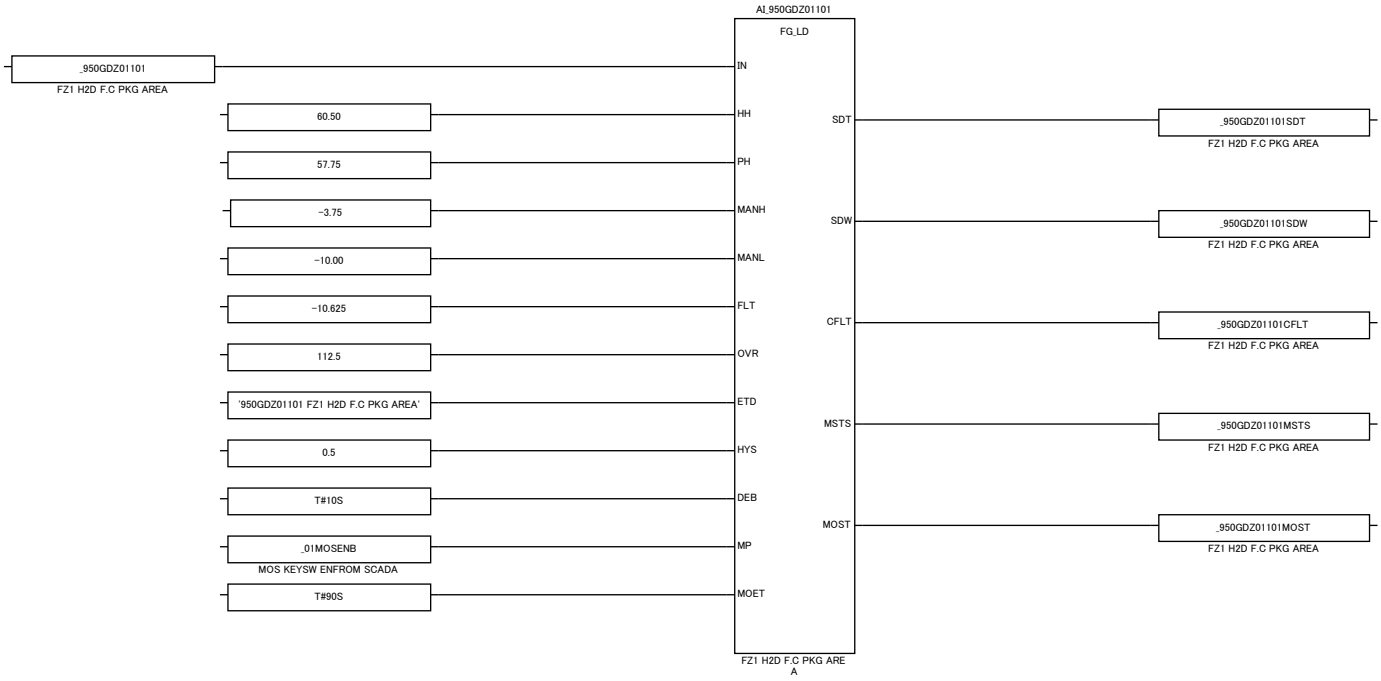

AI_950GDZ06203
FG_GD
_950GDZ06203
FZ6 H2D B100HVAC AIR IN.
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ06203 FZ6 B100 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ6 H2D B100HVAC AIR IN.
SDT
_950GDZ06203SDT
FZ6 H2D B100HVAC AIR IN.
SDW
_950GDZ06203SDW
FZ6 H2D B100HVAC AIR IN.
CFLT
_950GDZ06203CFLT
FZ6 H2D B100HVAC AIR IN.
MSTS
_950GDZ06203MSTS
FZ6 H2D B100HVAC AIR IN.
MOST
_950GDZ06203MOST
FZ6 H2D B100HVAC AIR IN.

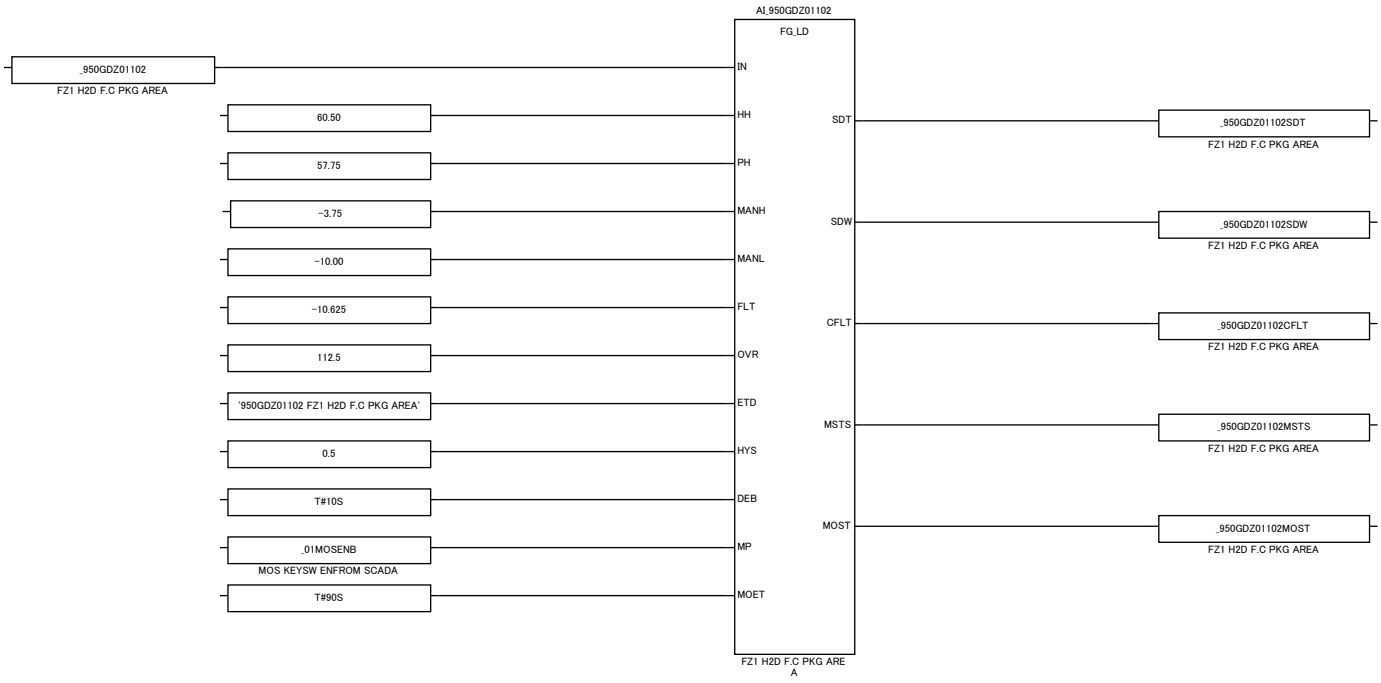

AI_950GDZ06204
FG_GD
_950GDZ06204
FZ6 H2D B100SW RM
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ06204 FZ6 H2D B100 SW RM'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ06204SDT
FZ6 H2D B100SW RM
SDW
_950GDZ06204SDW
FZ6 H2D B100SW RM
CFLT
_950GDZ06204CFLT
FZ6 H2D B100SW RM
MSTS
_950GDZ06204MSTS
FZ6 H2D B100SW RM
MOST
_950GDZ06204MOST
FZ6 H2D B100SW RM
FZ6 H2D B100SW RM

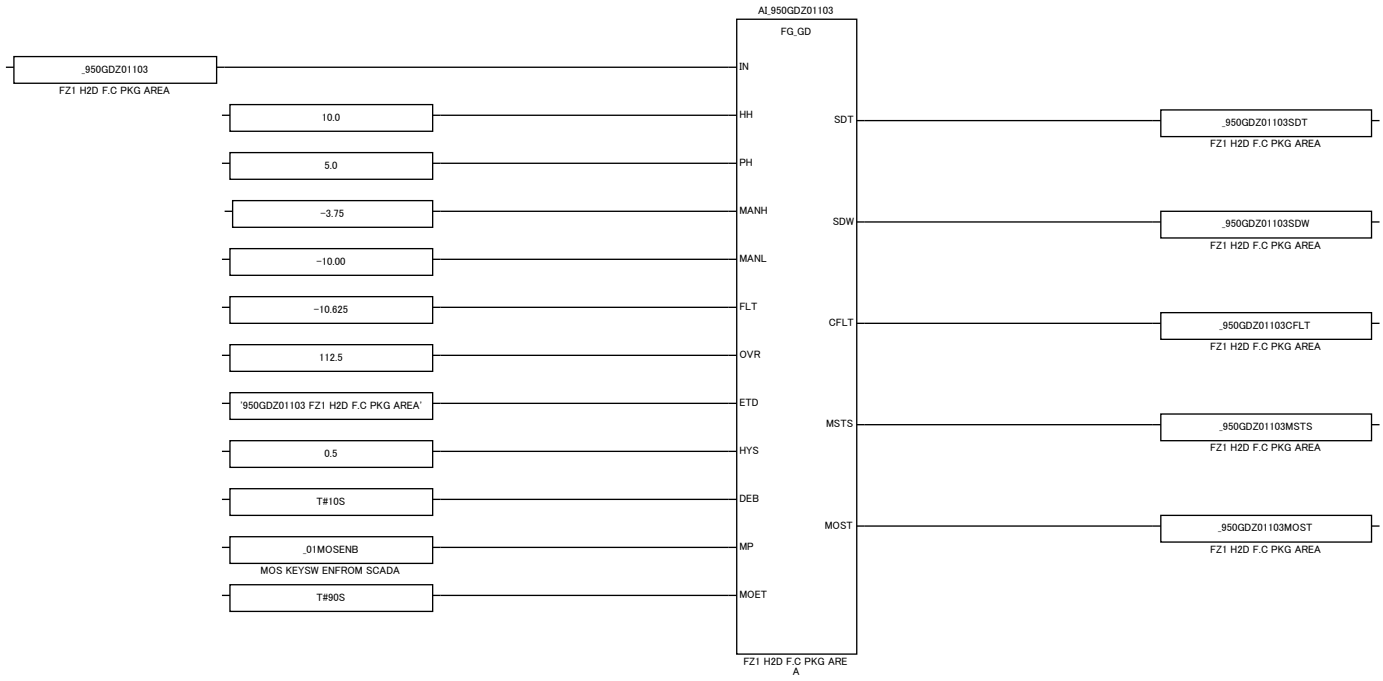

AI_950GDZ06205
FG_GD
_950GDZ06205
FZ6 H2D B100SW RM
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ06205 FZ6 H2D B100 SW RM'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ06205SDT
FZ6 H2D B100SW RM
SDW
_950GDZ06205SDW
FZ6 H2D B100SW RM
CFLT
_950GDZ06205CFLT
FZ6 H2D B100SW RM
MSTS
_950GDZ06205MSTS
FZ6 H2D B100SW RM
MOST
_950GDZ06205MOST
FZ6 H2D B100SW RM
FZ6 H2D B100SW RM

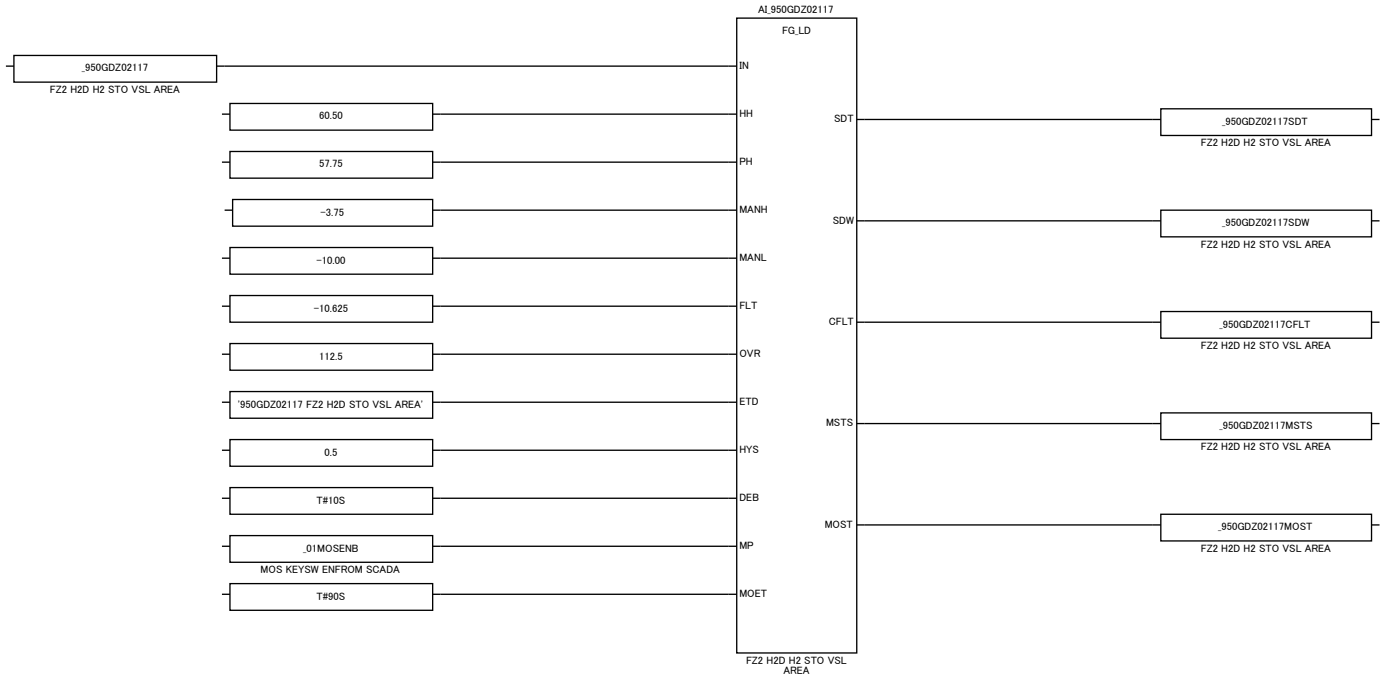

AI_950GDZ06206
FG_GD
_950GDZ06206
FZ6 H2D B100SW RM
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.0
MANL
-10.625
FLT
112.5
OVR
'950GDZ06206 FZ6 H2D B100 SW RM'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950GDZ06206SDT
FZ6 H2D B100SW RM
SDW
_950GDZ06206SDW
FZ6 H2D B100SW RM
CFLT
_950GDZ06206CFLT
FZ6 H2D B100SW RM
MSTS
_950GDZ06206MSTS
FZ6 H2D B100SW RM
MOST
_950GDZ06206MOST
FZ6 H2D B100SW RM
FZ6 H2D B100SW RM

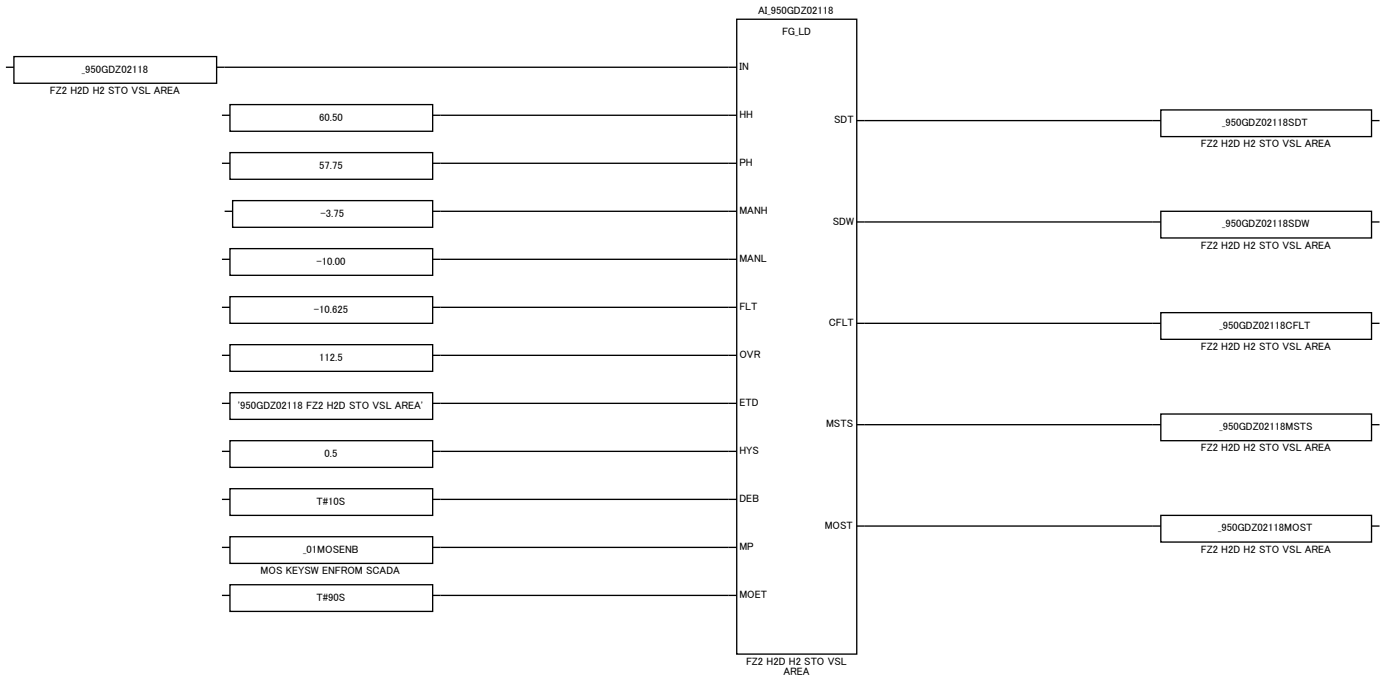
1.16. AI_LD_01(* Analog Input Processing-Leak & Gas Detector *)

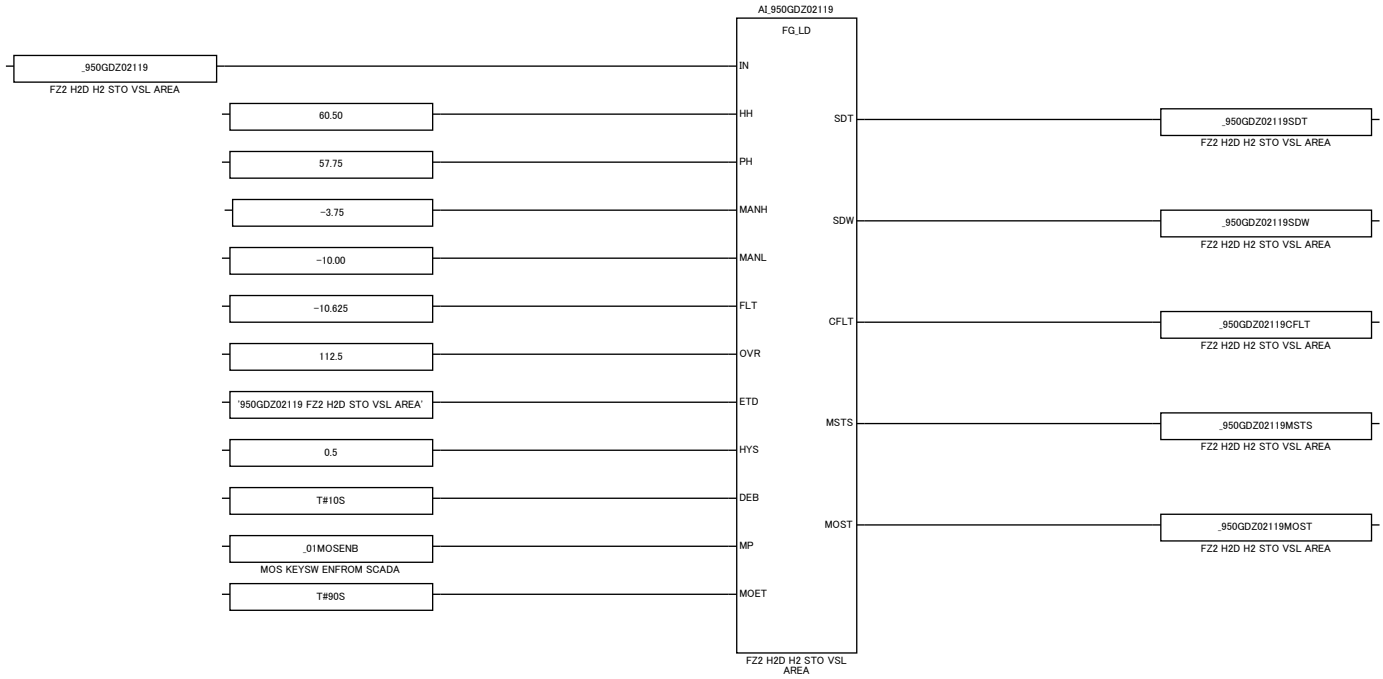




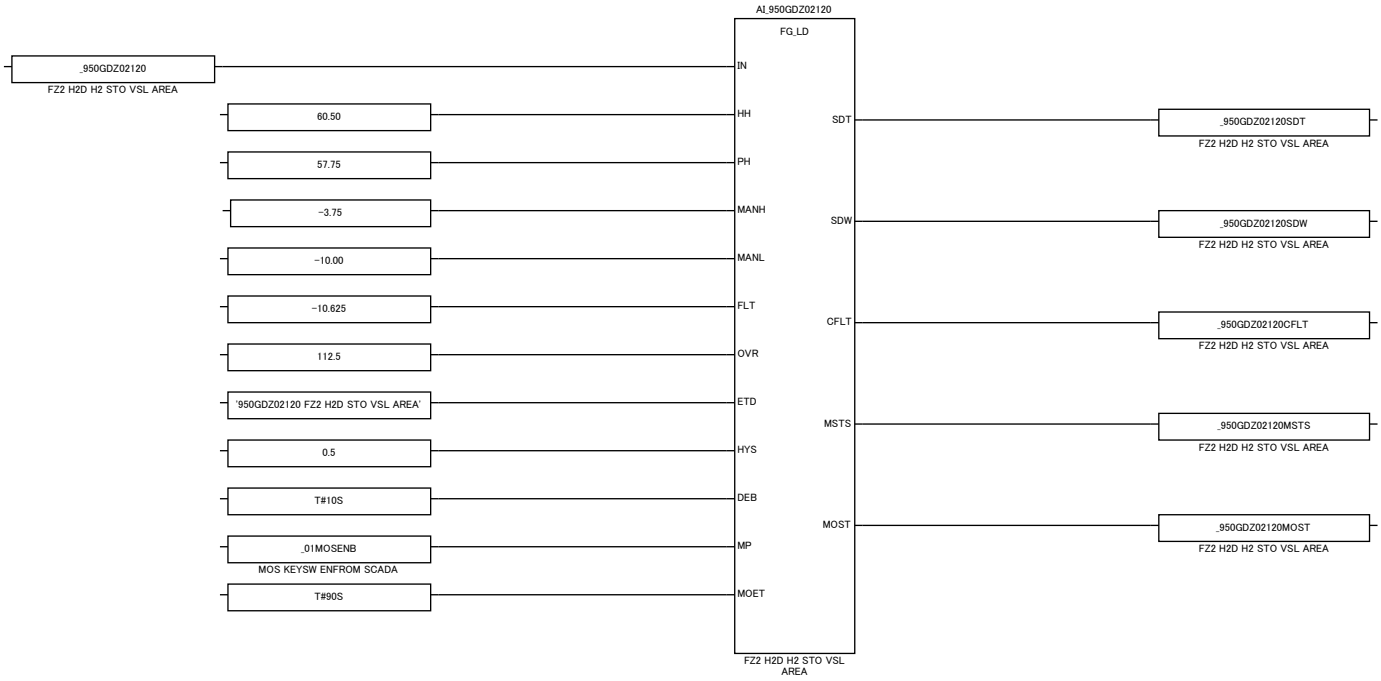

AI_950GDZ01103
FG_GD
_950GDZ01103
FZ1 H2D F.C PKG AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ01103 FZ1 H2D F.C PKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
SDW
CFLT
MSTS
MOST
_950GDZ01103SDT
FZ1 H2D F.C PKG AREA
_950GDZ01103SDW
FZ1 H2D F.C PKG AREA
_950GDZ01103CFLT
FZ1 H2D F.C PKG AREA
_950GDZ01103MSTS
FZ1 H2D F.C PKG AREA
_950GDZ01103MOST
FZ1 H2D F.C PKG AREA
FZ1 H2D F.C PKG ARE
A

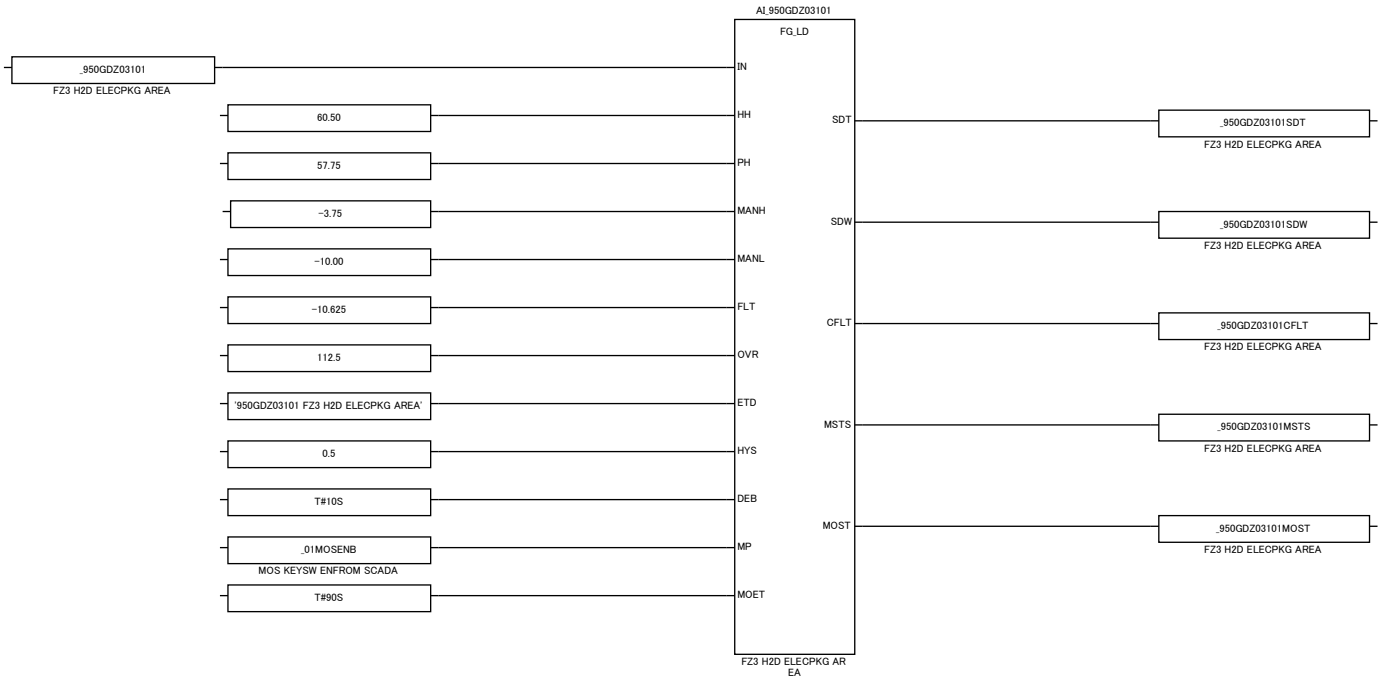

AI_950GDZ02117
FG_LD
_950GDZ02117
FZ2 H2D H2 STO VSL AREA
IN
60.50
HH
57.75
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ02117 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
SDW
CFLT
MSTS
MOST
_950GDZ02117SDT
FZ2 H2D H2 STO VSL AREA
_950GDZ02117SDW
FZ2 H2D H2 STO VSL AREA
_950GDZ02117CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02117MSTS
FZ2 H2D H2 STO VSL AREA
_950GDZ02117MOST
FZ2 H2D H2 STO VSL AREA
FZ2 H2D H2 STO VSL
AREA

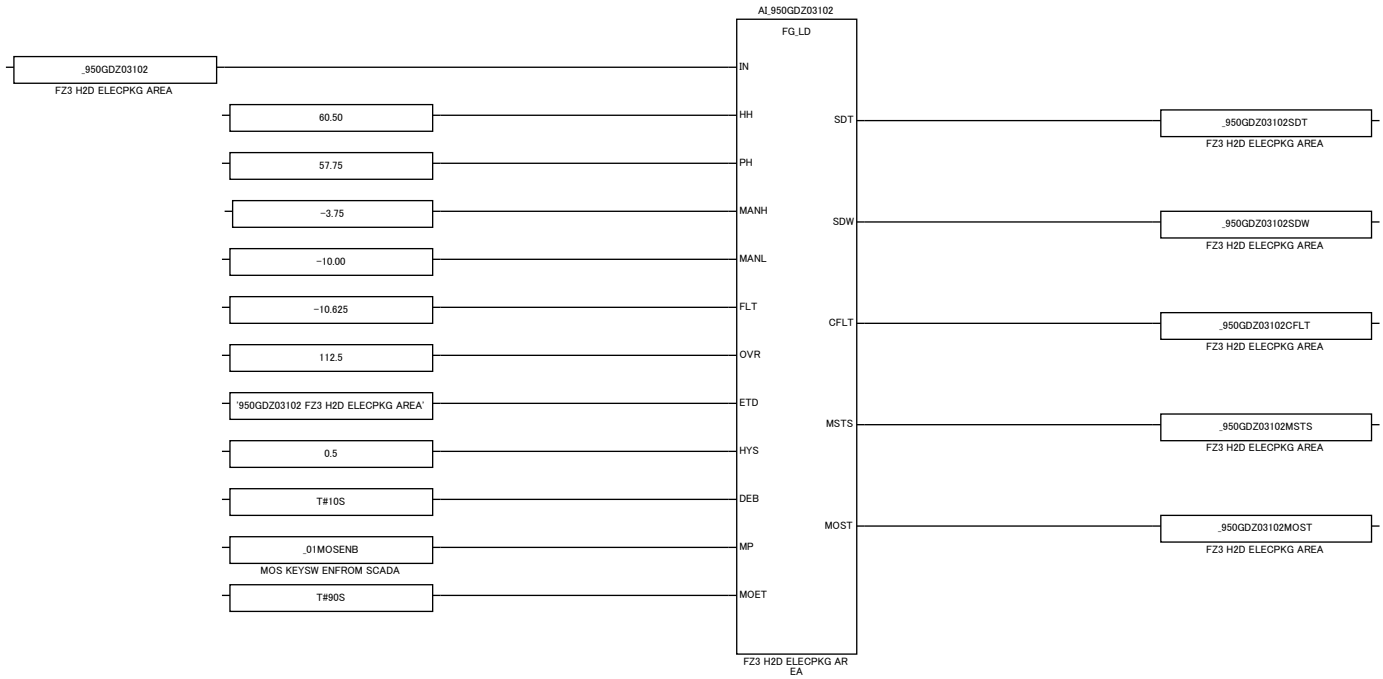

AI_950GDZ02118
FG_LD
_950GDZ02118
FZ2 H2D H2 STO VSL AREA
IN
60.50
HH
57.75
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ02118 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ2 H2D H2 STO VSL AREA
SDT
_950GDZ02118SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02118SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02118CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02118MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02118MOST
FZ2 H2D H2 STO VSL AREA

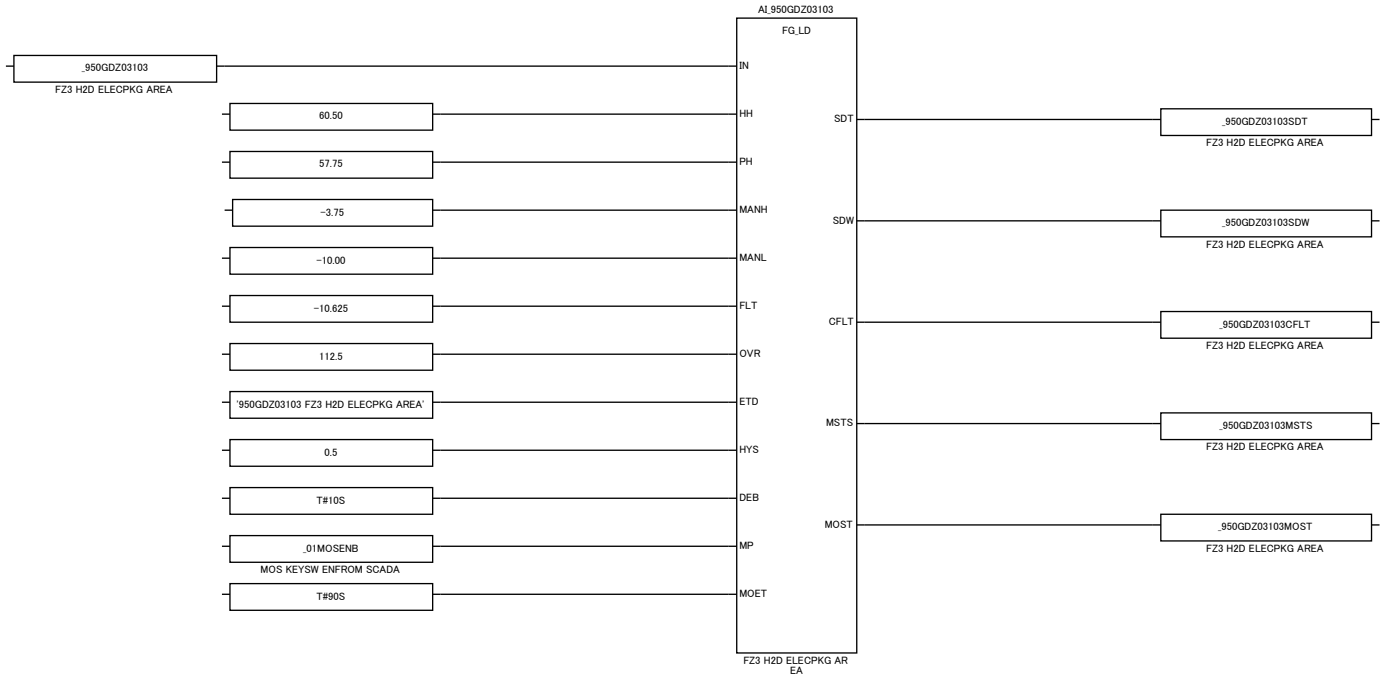

AI_950GDZ02119
FG_LD
_950GDZ02119
FZ2 H2D H2 STO VSL AREA
IN
60.50
HH
57.75
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ02119 FZ2 H2D STO VSL AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ2 H2D H2 STO VSL AREA
SDT
_950GDZ02119SDT
FZ2 H2D H2 STO VSL AREA
SDW
_950GDZ02119SDW
FZ2 H2D H2 STO VSL AREA
CFLT
_950GDZ02119CFLT
FZ2 H2D H2 STO VSL AREA
MSTS
_950GDZ02119MSTS
FZ2 H2D H2 STO VSL AREA
MOST
_950GDZ02119MOST
FZ2 H2D H2 STO VSL AREA

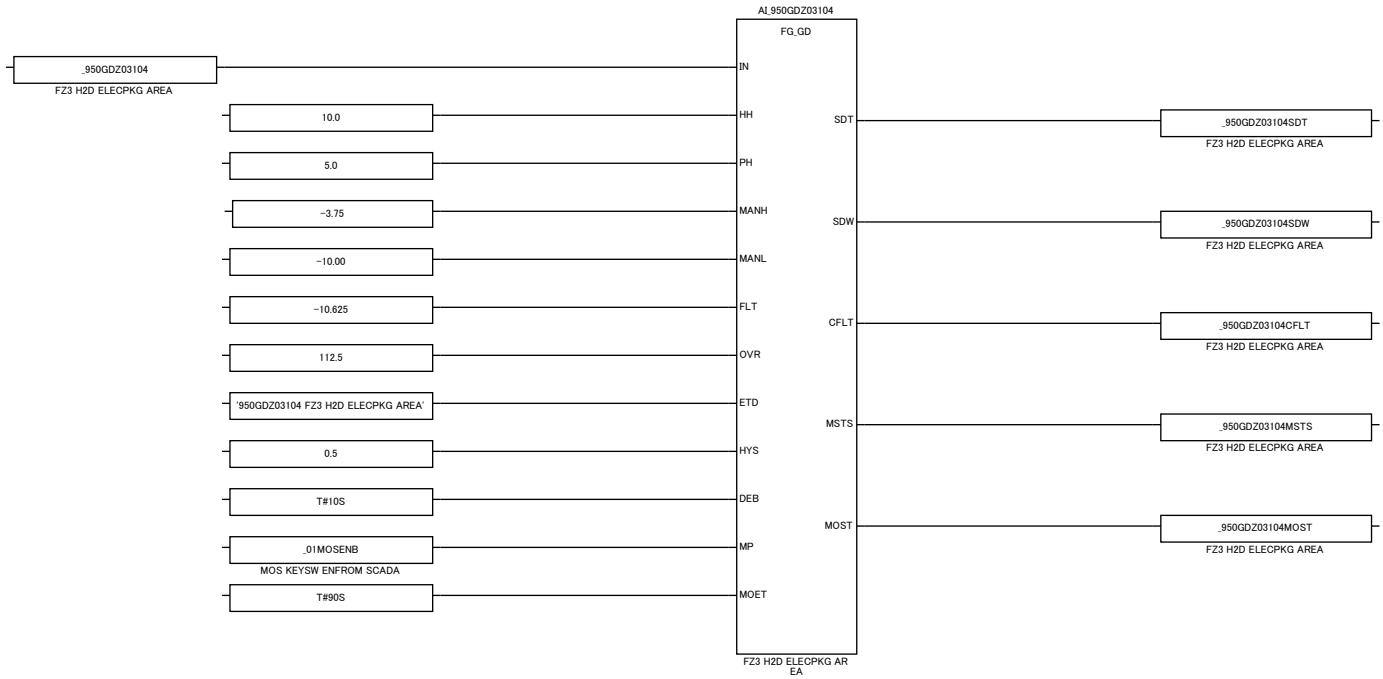
1.17. AI_LD_02(* Analog Input Processing-Leak & Gas Detector *)

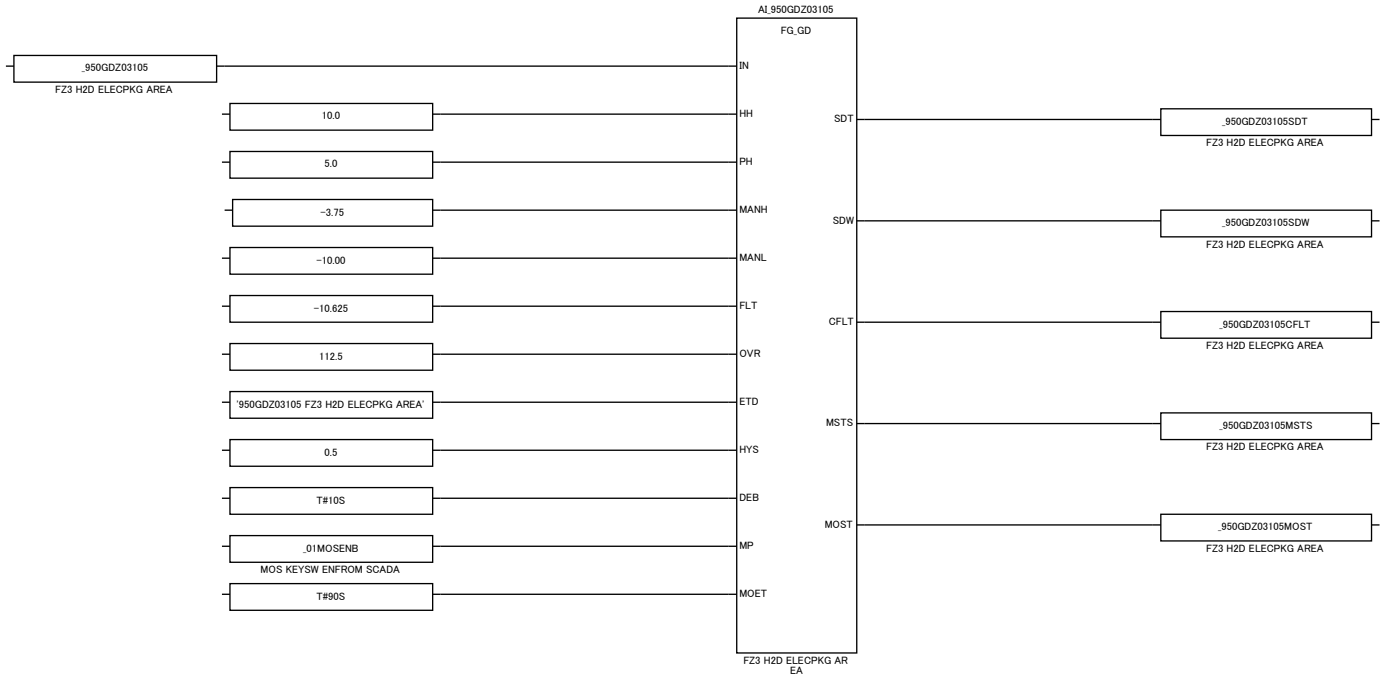


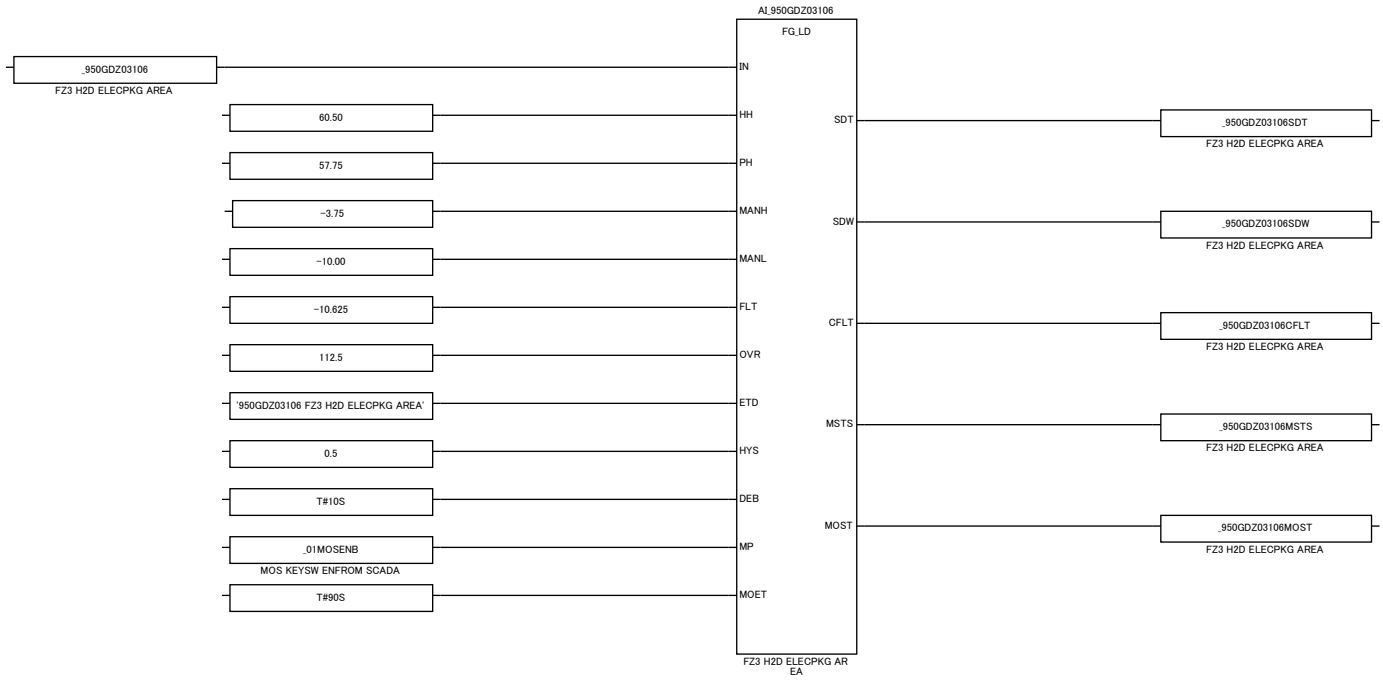



AI_950GDZ03102
FG_LD
_950GDZ03102
FZ3 H2D ELECPKG AREA
IN
60.50
HH
57.75
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ03102 FZ3 H2D ELECPKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ3 H2D ELECPKG AR EA
SDT
_950GDZ03102SDT
FZ3 H2D ELECPKG AREA
SDW
_950GDZ03102SDW
FZ3 H2D ELECPKG AREA
CFLT
_950GDZ03102CFLT
FZ3 H2D ELECPKG AREA
MSTS
_950GDZ03102MSTS
FZ3 H2D ELECPKG AREA
MOST
_950GDZ03102MOST
FZ3 H2D ELECPKG AREA


AI_950GDZ03103
FG_LD
_950GDZ03103
FZ3 H2D ELECPKG AREA
IN
60.50
HH
57.75
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ03103 FZ3 H2D ELECPKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ3 H2D ELECPKG AR EA
SDT
_950GDZ03103SDT
FZ3 H2D ELECPKG AREA
SDW
_950GDZ03103SDW
FZ3 H2D ELECPKG AREA
CFLT
_950GDZ03103CFLT
FZ3 H2D ELECPKG AREA
MSTS
_950GDZ03103MSTS
FZ3 H2D ELECPKG AREA
MOST
_950GDZ03103MOST
FZ3 H2D ELECPKG AREA

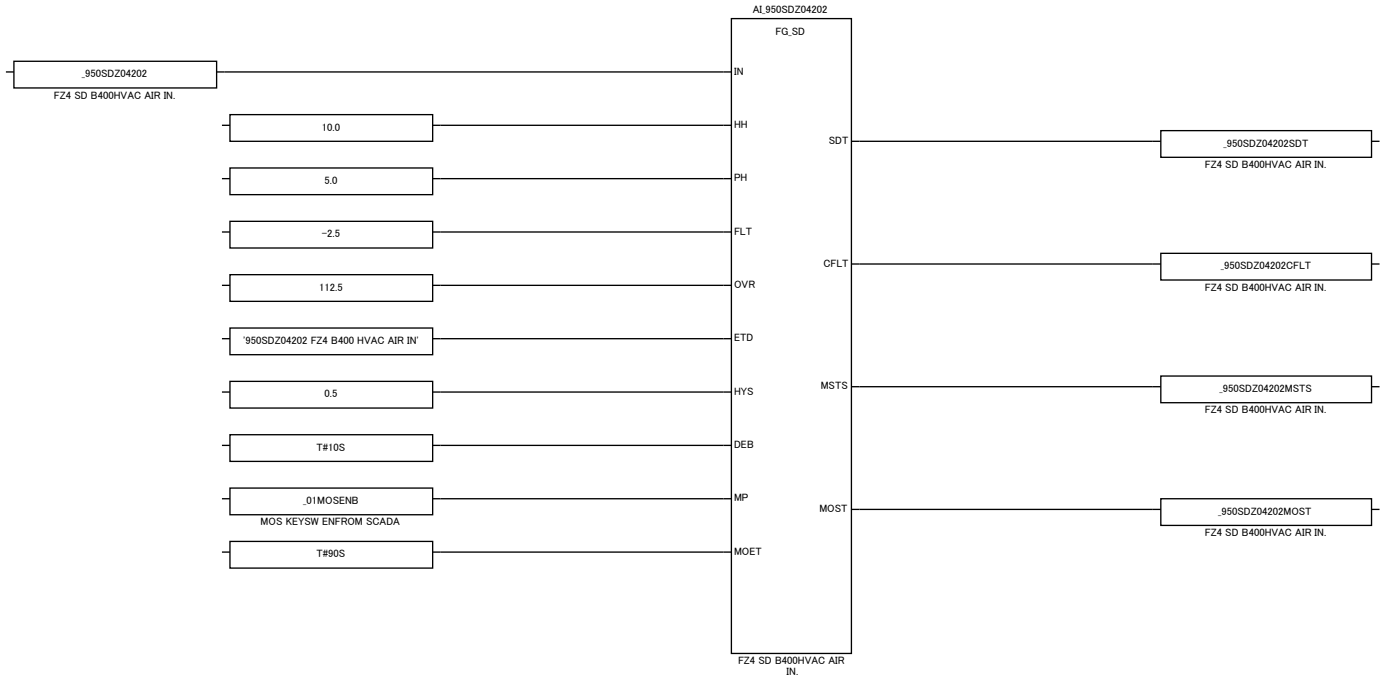

AI_950GDZ03104
FG_GD
_950GDZ03104
FZ3 H2D ELECPKG AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ03104 FZ3 H2D ELECPKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
SDW
CFLT
MSTS
MOST
_950GDZ03104SDT
FZ3 H2D ELECPKG AREA
_950GDZ03104SDW
FZ3 H2D ELECPKG AREA
_950GDZ03104CFLT
FZ3 H2D ELECPKG AREA
_950GDZ03104MSTS
FZ3 H2D ELECPKG AREA
_950GDZ03104MOST
FZ3 H2D ELECPKG AREA
FZ3 H2D ELECPKG AR
EA

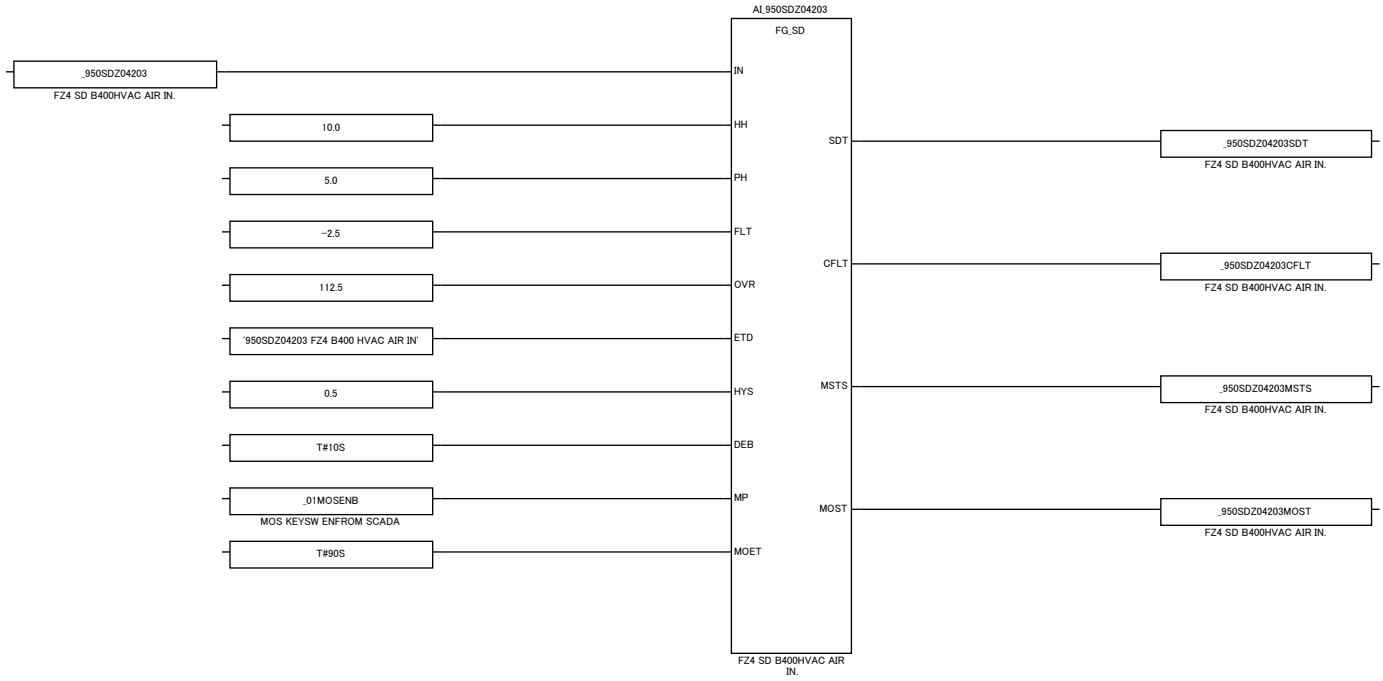

AI_950GDZ03105
FG_GD
_950GDZ03105
FZ3 H2D ELECPKG AREA
IN
10.0
HH
5.0
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ03105 FZ3 H2D ELECPKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
SDW
CFLT
MSTS
MOST
_950GDZ03105SDT
FZ3 H2D ELECPKG AREA
_950GDZ03105SDW
FZ3 H2D ELECPKG AREA
_950GDZ03105CFLT
FZ3 H2D ELECPKG AREA
_950GDZ03105MSTS
FZ3 H2D ELECPKG AREA
_950GDZ03105MOST
FZ3 H2D ELECPKG AREA
FZ3 H2D ELECPKG AR
EA

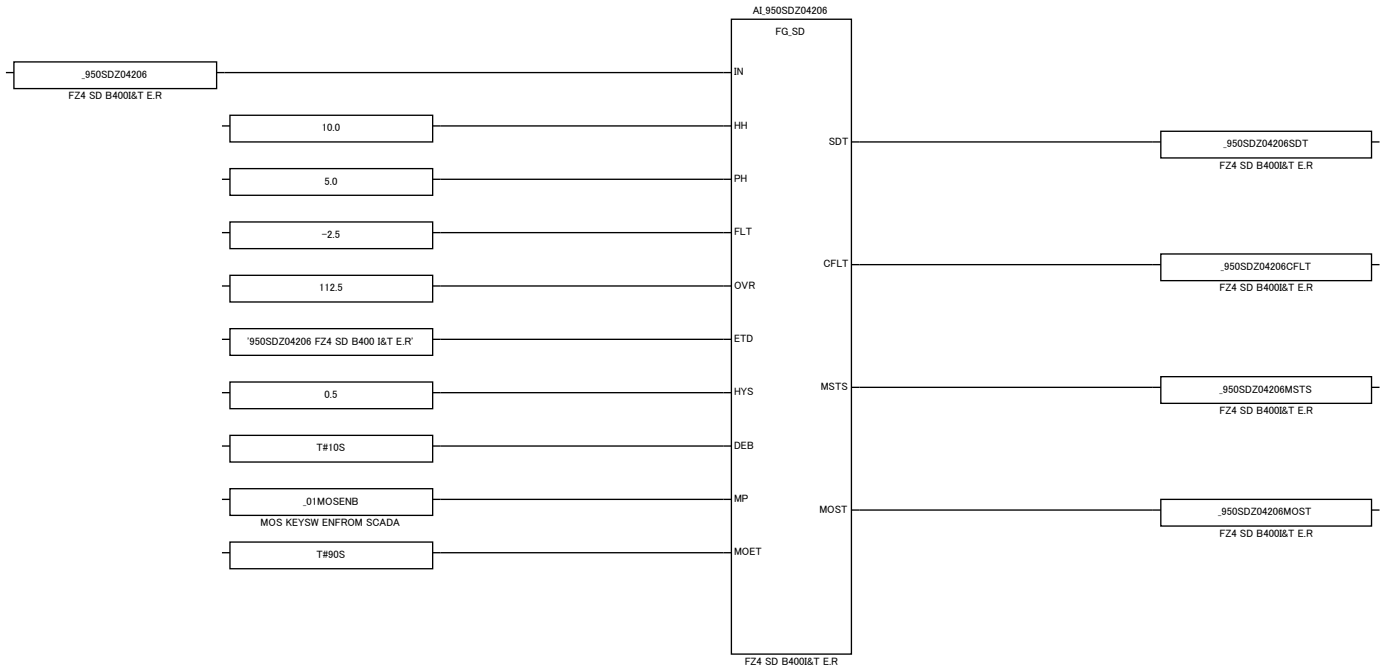

AI_950GDZ03106
FG_LD
_950GDZ03106
FZ3 H2D ELECPKG AREA
IN
60.50
HH
57.75
PH
-3.75
MANH
-10.00
MANL
-10.625
FLT
112.5
OVR
'950GDZ03106 FZ3 H2D ELECPKG AREA'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
SDW
CFLT
MSTS
MOST
_950GDZ03106SDT
FZ3 H2D ELECPKG AREA
_950GDZ03106SDW
FZ3 H2D ELECPKG AREA
_950GDZ03106CFLT
FZ3 H2D ELECPKG AREA
_950GDZ03106MSTS
FZ3 H2D ELECPKG AREA
_950GDZ03106MOST
FZ3 H2D ELECPKG AREA
FZ3 H2D ELECPKG AR
EA

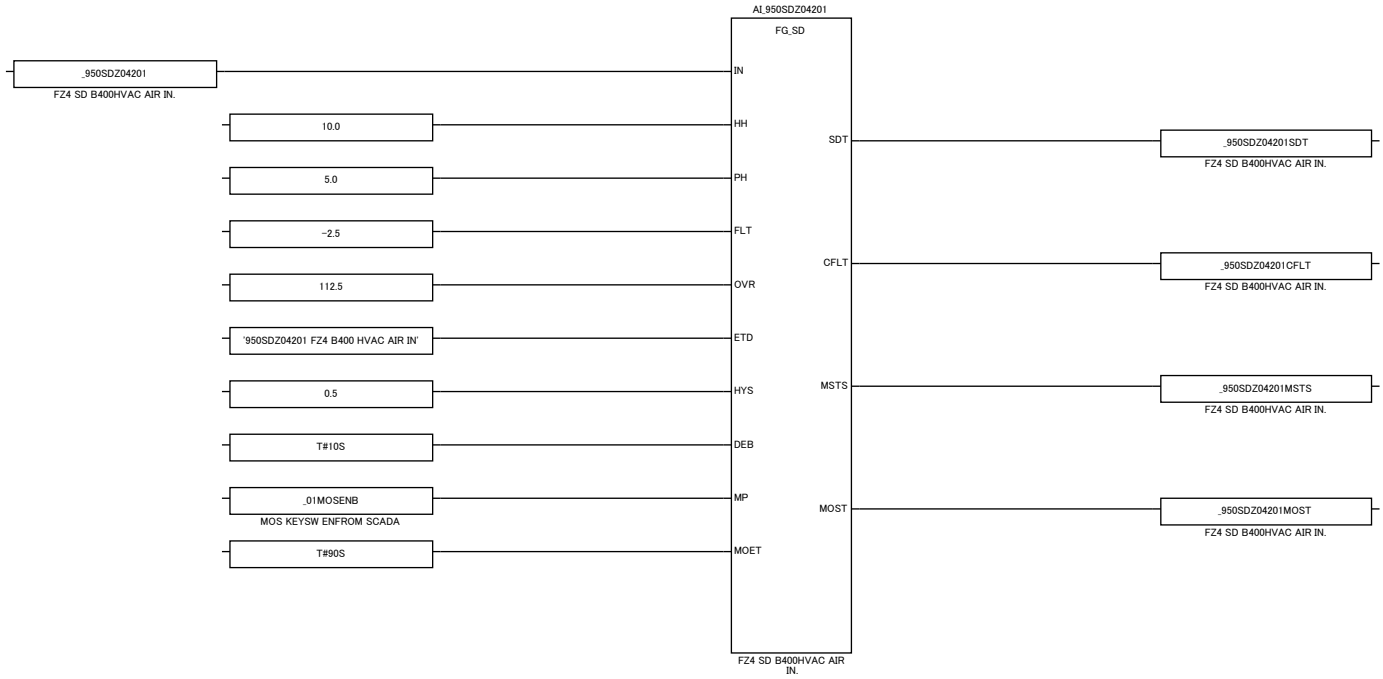
1.18. AI_SD_01(* Analog Input Processing-Smoke Detector *)

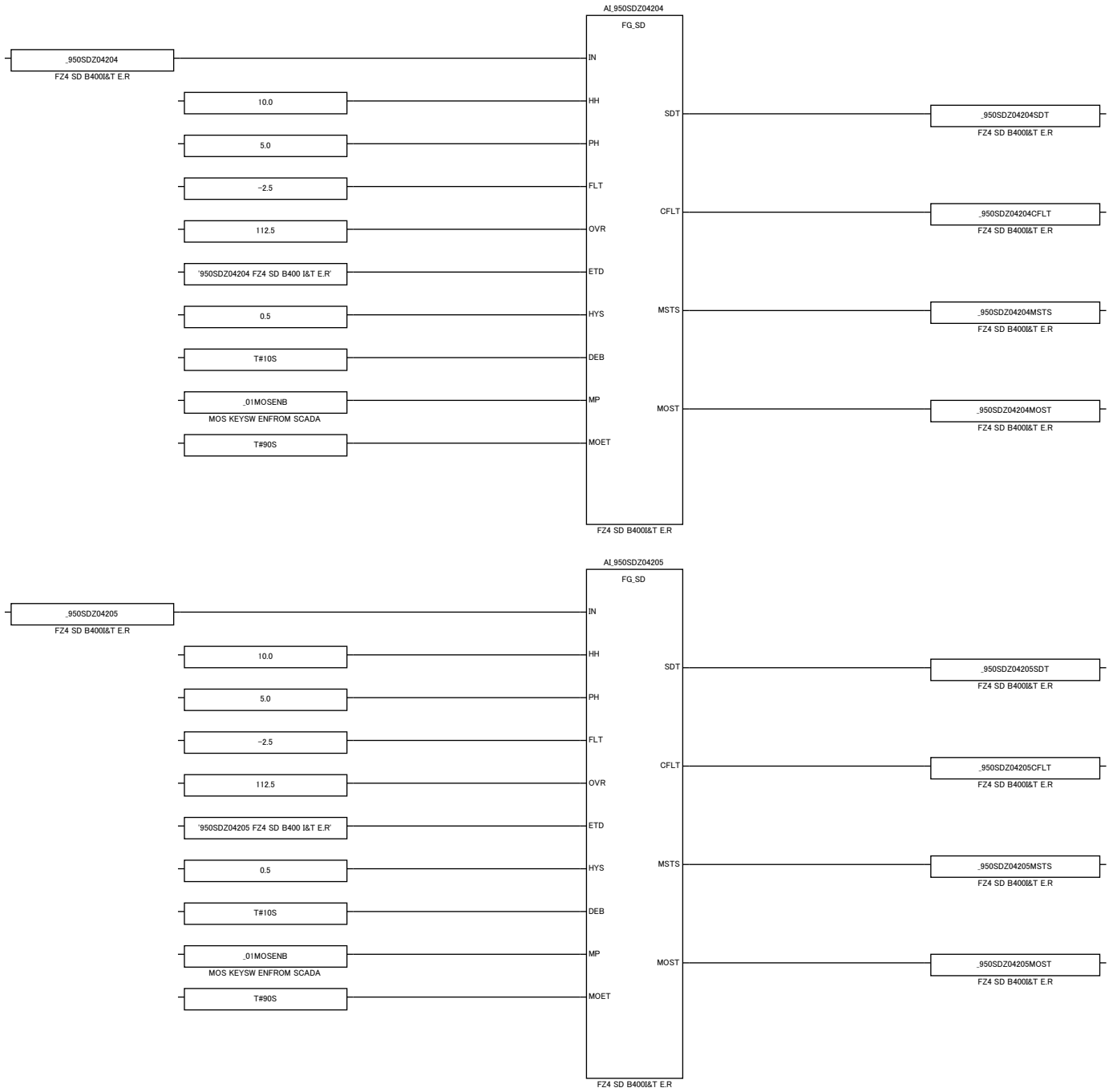
FOR ALL SMOKE DETECTOR HI & HIHI VA
LUE TO BE UPDATED IN FAT






AI_950SDZ04206
FG_SD
_950SDZ04206
FZ4 SD B400I&T E.R
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04206 FZ4 SD B400 I&T E.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04206SDT
FZ4 SD B400I&T E.R
CFLT
_950SDZ04206CFLT
FZ4 SD B400I&T E.R
MSTS
_950SDZ04206MSTS
FZ4 SD B400I&T E.R
MOST
_950SDZ04206MOST
FZ4 SD B400I&T E.R
FZ4 SD B400I&T E.R

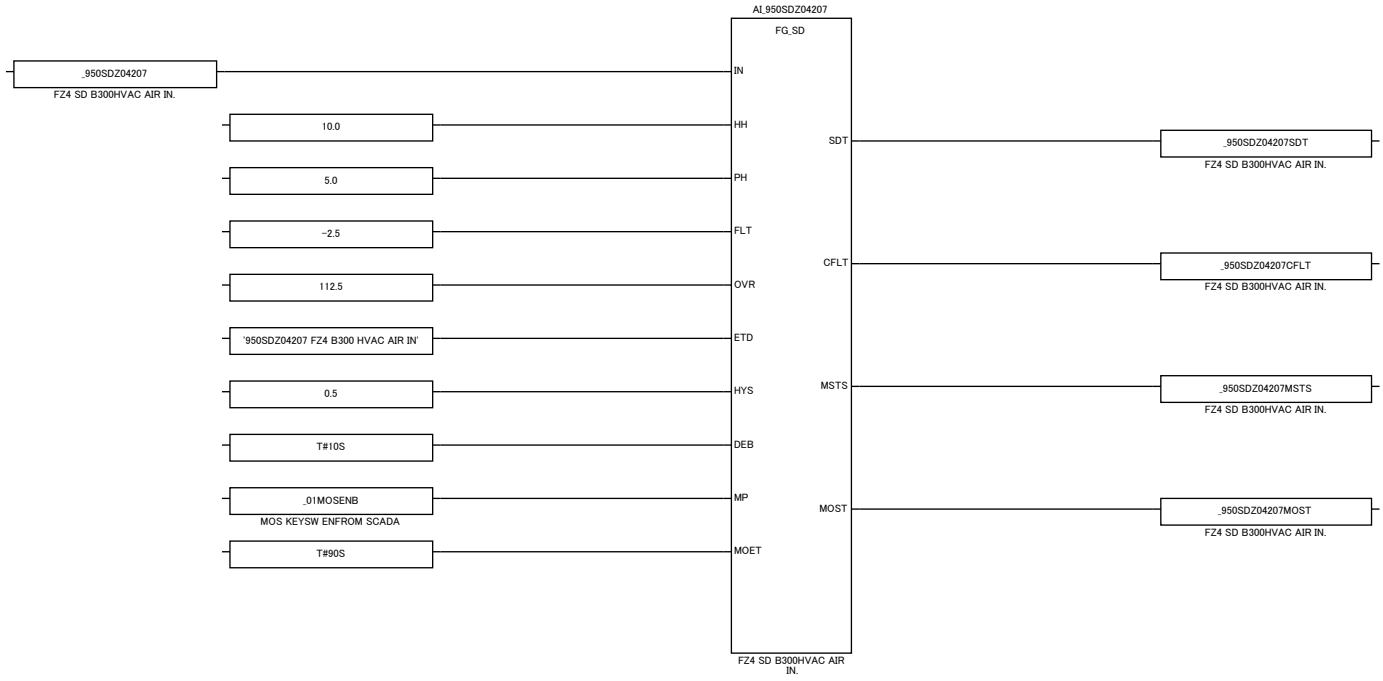

AI_950SDZ04201
FG_SD
_950SDZ04201
FZ4 SD B400HVAC AIR IN.
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04201 FZ4 B400 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04201SDT
FZ4 SD B400HVAC AIR IN.
CFLT
_950SDZ04201CFLT
FZ4 SD B400HVAC AIR IN.
MSTS
_950SDZ04201MSTS
FZ4 SD B400HVAC AIR IN.
MOST
_950SDZ04201MOST
FZ4 SD B400HVAC AIR IN.
FZ4 SD B400HVAC AIR IN.

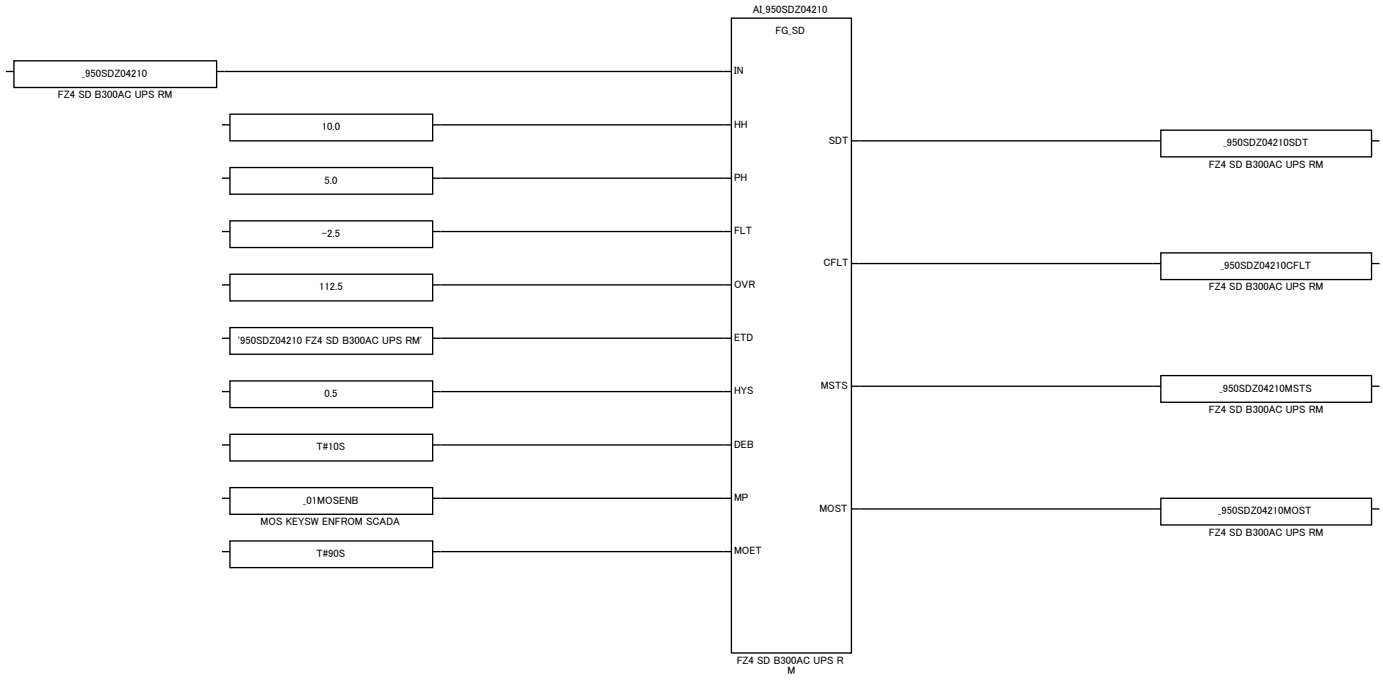

AI_950SDZ04204
FG_SD
_950SDZ04204
FZ4 SD B400I&T E.R
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04204 FZ4 SD B400 I&T E.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04204SDT
CFLT
_950SDZ04204CFLT
MSTS
_950SDZ04204MSTS
MOST
_950SDZ04204MOST
FZ4 SD B400I&T E.R

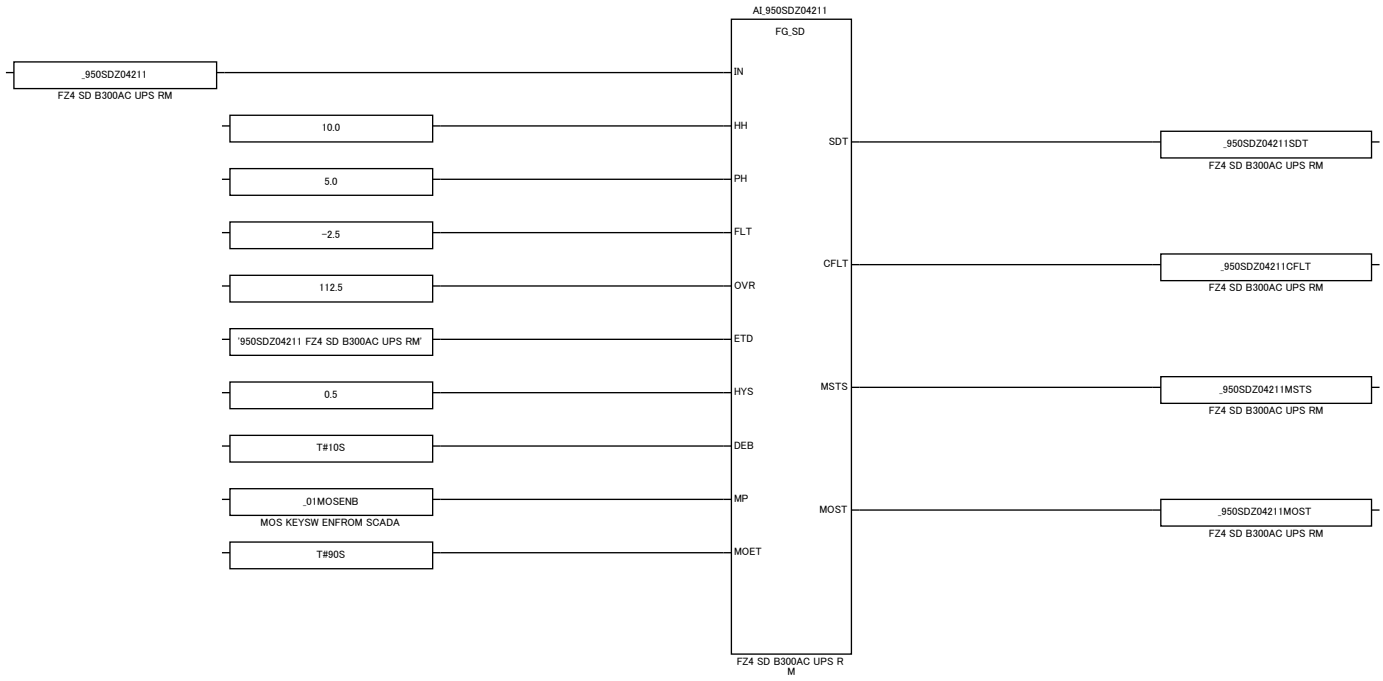
AI_950SDZ04205
FG_SD
_950SDZ04205
FZ4 SD B400I&T E.R
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04205 FZ4 SD B400 I&T E.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04205SDT
CFLT
_950SDZ04205CFLT
MSTS
_950SDZ04205MSTS
MOST
_950SDZ04205MOST
FZ4 SD B400I&T E.R

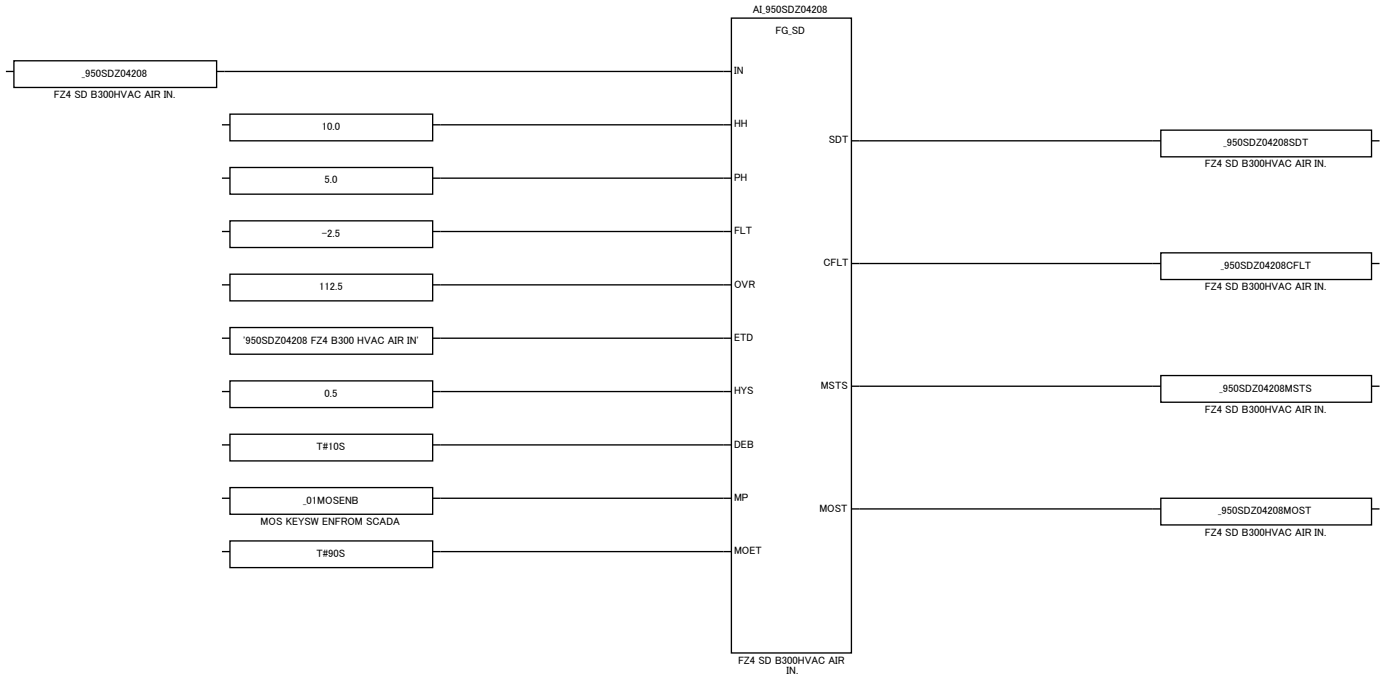
1.19. AI_SD_02(* Analog Input Processing-Smoke Detector *)

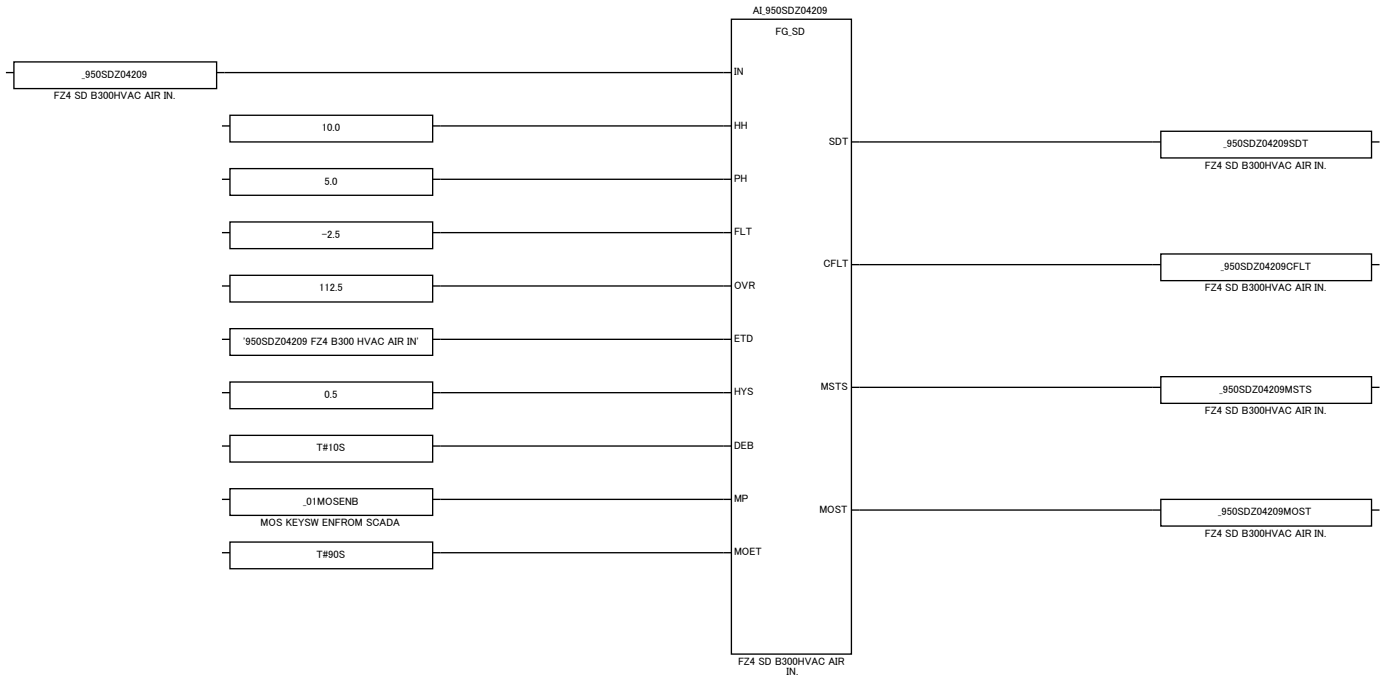
FOR ALL SMOKE DETECTOR HI & HIHI VA
LUE TO BE UPDATED IN FAT

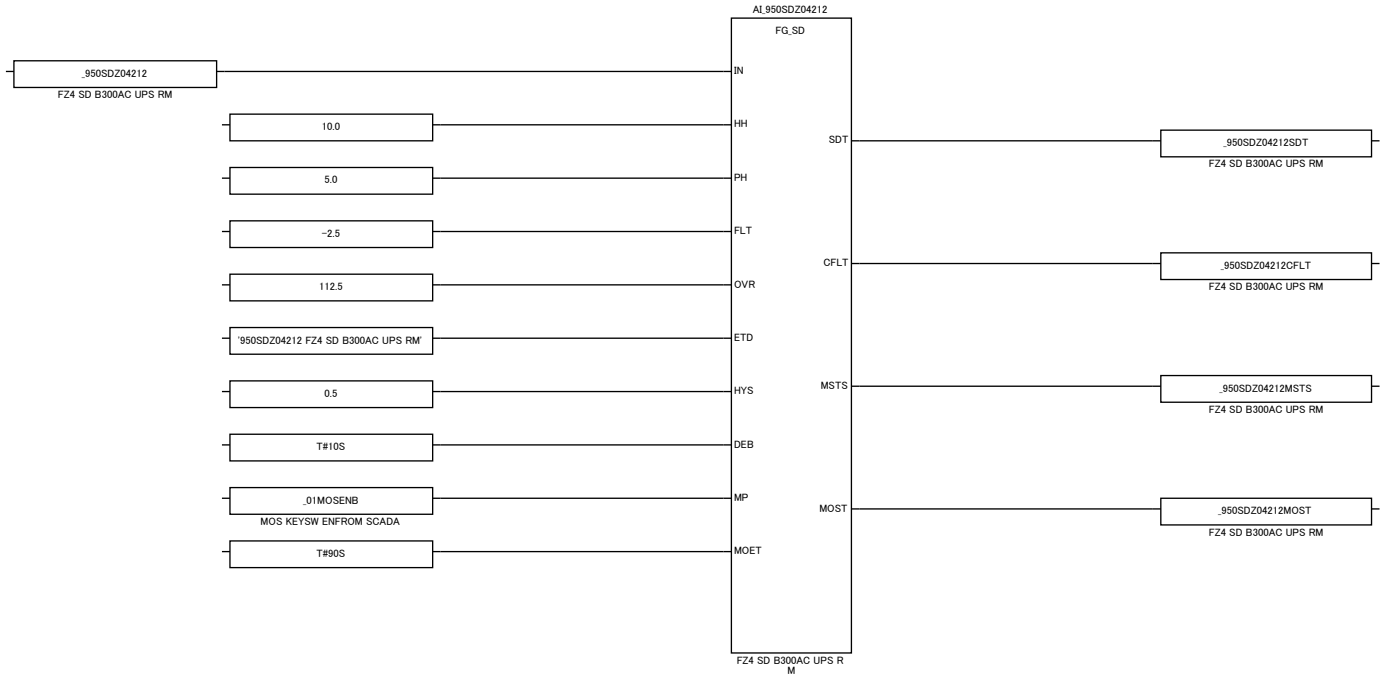





AI_950SDZ04211
FG_SD
_950SDZ04211
FZ4 SD B300AC UPS RM
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04211 FZ4 SD B300AC UPS RM'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04211SDT
FZ4 SD B300AC UPS RM
CFLT
_950SDZ04211CFLT
FZ4 SD B300AC UPS RM
MSTS
_950SDZ04211MSTS
FZ4 SD B300AC UPS RM
MOST
_950SDZ04211MOST
FZ4 SD B300AC UPS RM
FZ4 SD B300AC UPS R
M

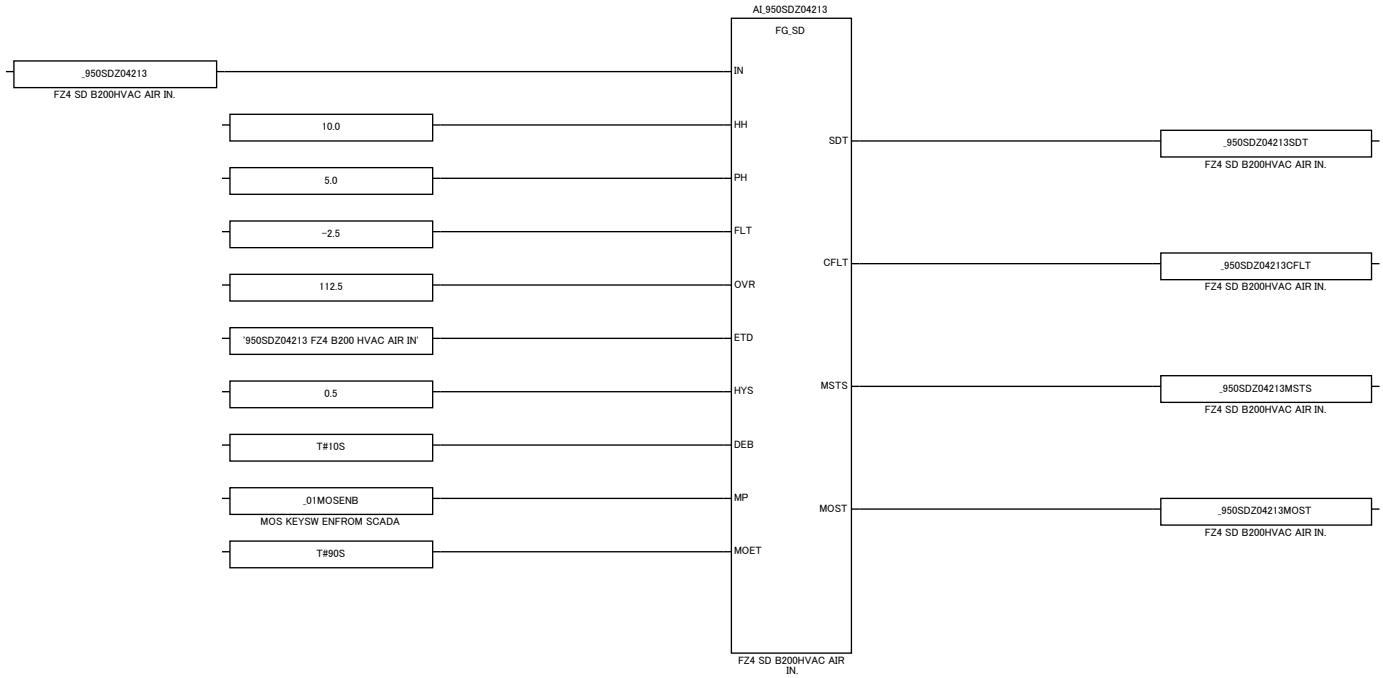

AI_950SDZ04208
FG_SD
_950SDZ04208
FZ4 SD B300HVAC AIR IN.
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04208 FZ4 B300 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04208SDT
FZ4 SD B300HVAC AIR IN.
CFLT
_950SDZ04208CFLT
FZ4 SD B300HVAC AIR IN.
MSTS
_950SDZ04208MSTS
FZ4 SD B300HVAC AIR IN.
MOST
_950SDZ04208MOST
FZ4 SD B300HVAC AIR IN.
FZ4 SD B300HVAC AIR
IN.

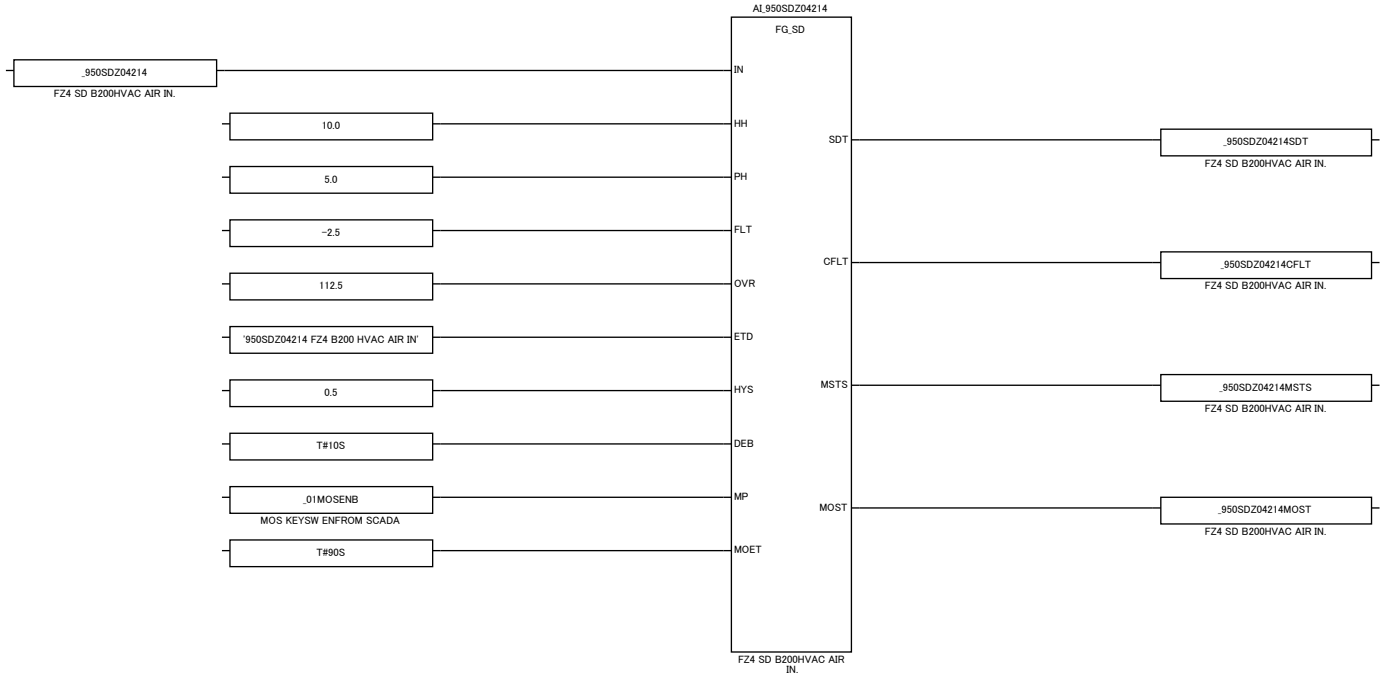

AI_950SDZ04209
FG_SD
_950SDZ04209
FZ4 SD B300HVAC AIR IN.
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04209 FZ4 B300 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04209SDT
FZ4 SD B300HVAC AIR IN.
CFLT
_950SDZ04209CFLT
FZ4 SD B300HVAC AIR IN.
MSTS
_950SDZ04209MSTS
FZ4 SD B300HVAC AIR IN.
MOST
_950SDZ04209MOST
FZ4 SD B300HVAC AIR IN.
FZ4 SD B300HVAC AIR IN.

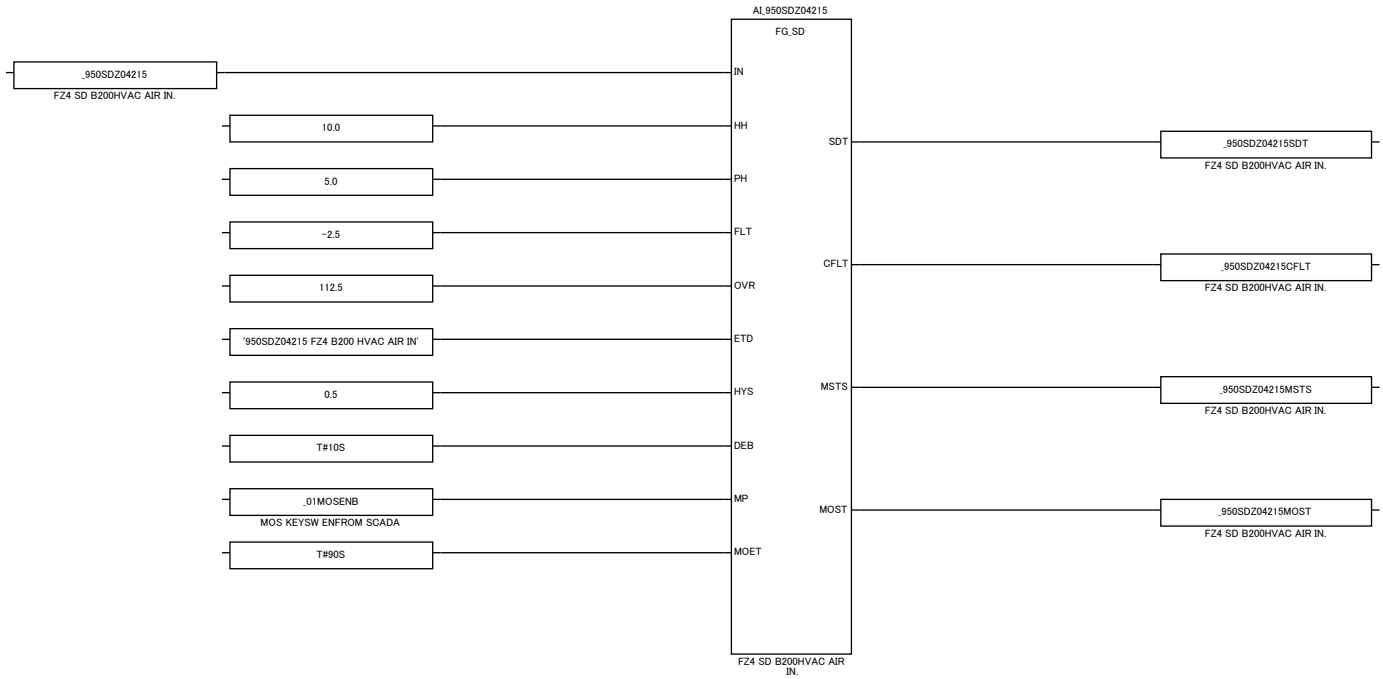

AI_950SDZ04212
FG_SD
_950SDZ04212
FZ4 SD B300AC UPS RM
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04212 FZ4 SD B300AC UPS RM'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04212SDT
FZ4 SD B300AC UPS RM
CFLT
_950SDZ04212CFLT
FZ4 SD B300AC UPS RM
MSTS
_950SDZ04212MSTS
FZ4 SD B300AC UPS RM
MOST
_950SDZ04212MOST
FZ4 SD B300AC UPS RM
FZ4 SD B300AC UPS RM

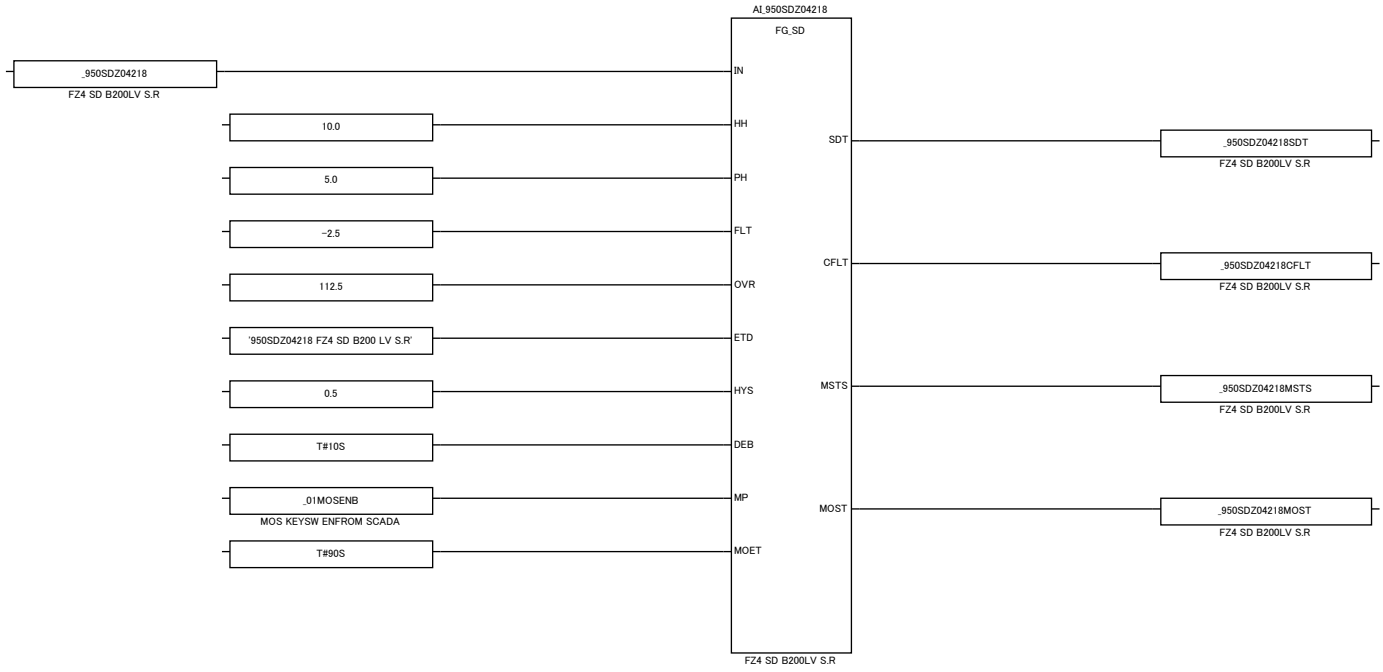
1.20. AI_SD_03(* Analog Input Processing-Smoke Detector *)

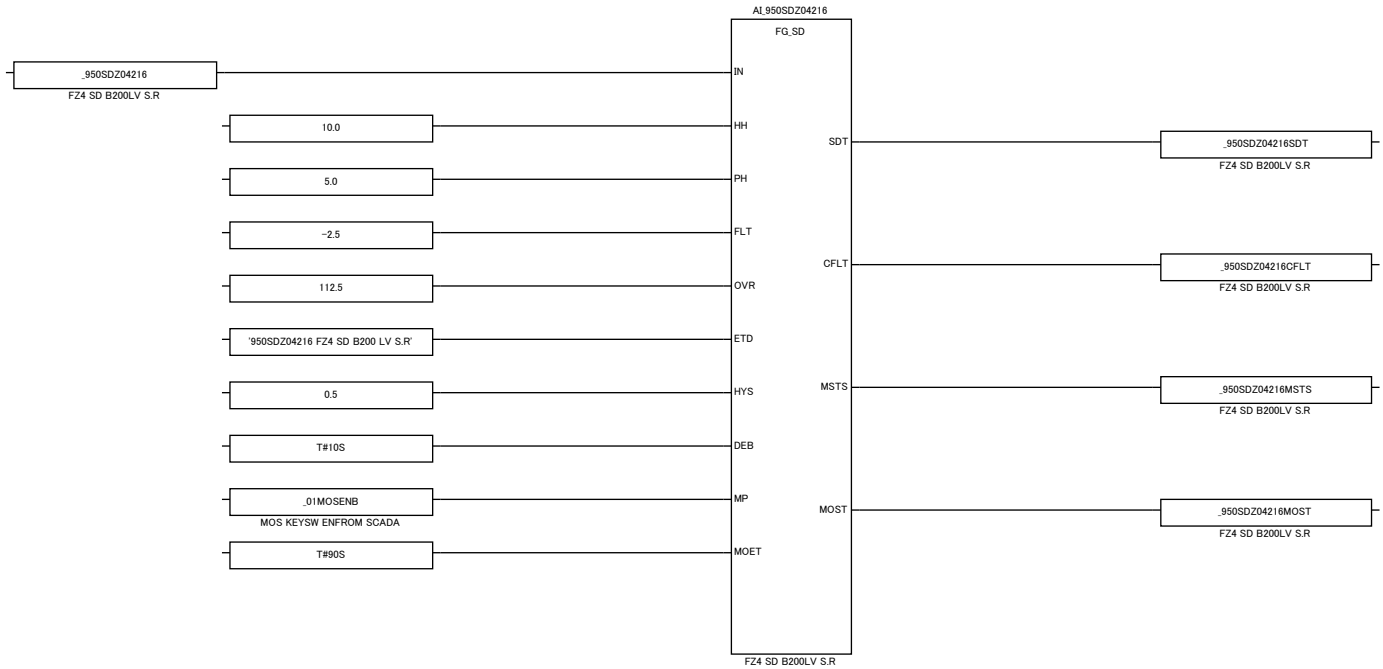
FOR ALL SMOKE DETECTOR HI & HIHI VA
LUE TO BE UPDATED IN FAT

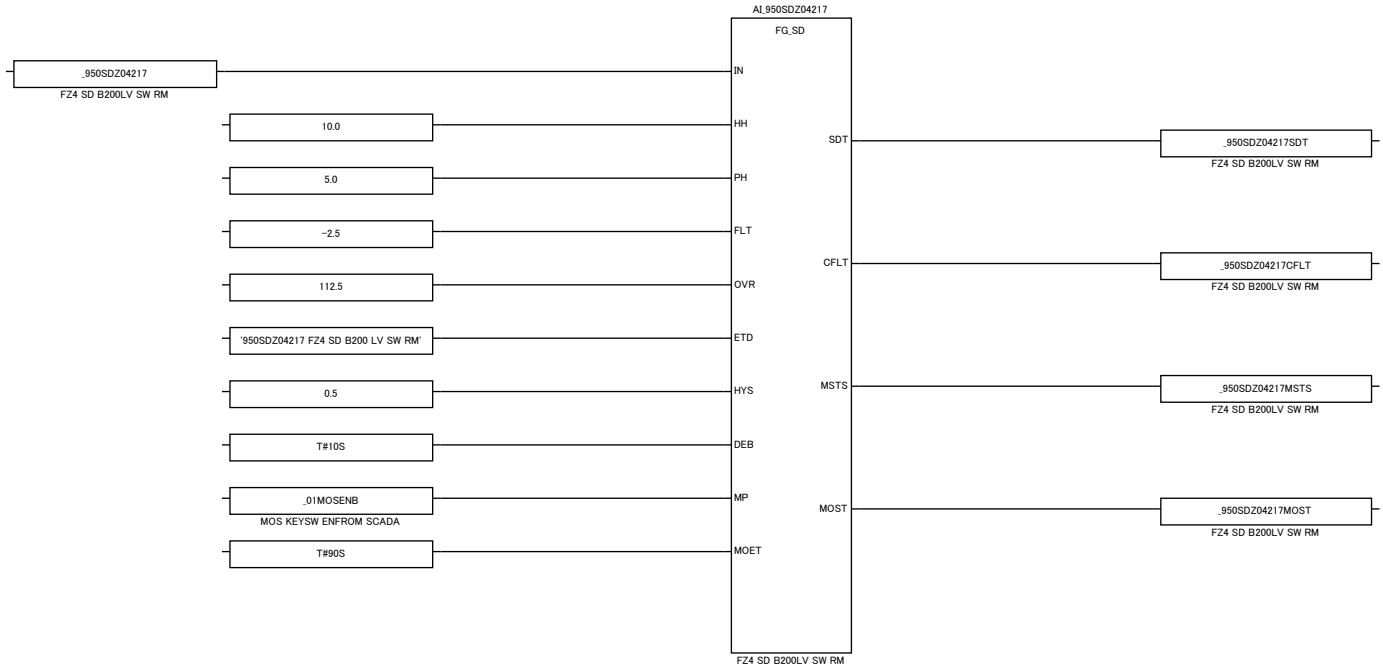





AI_950SDZ04215
FG_SD
_950SDZ04215
FZ4 SD B200HVAC AIR IN.
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04215 FZ4 B200 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ4 SD B200HVAC AIR IN.
SDT
_950SDZ04215SDT
FZ4 SD B200HVAC AIR IN.
CFLT
_950SDZ04215CFLT
FZ4 SD B200HVAC AIR IN.
MSTS
_950SDZ04215MSTS
FZ4 SD B200HVAC AIR IN.
MOST
_950SDZ04215MOST
FZ4 SD B200HVAC AIR IN.

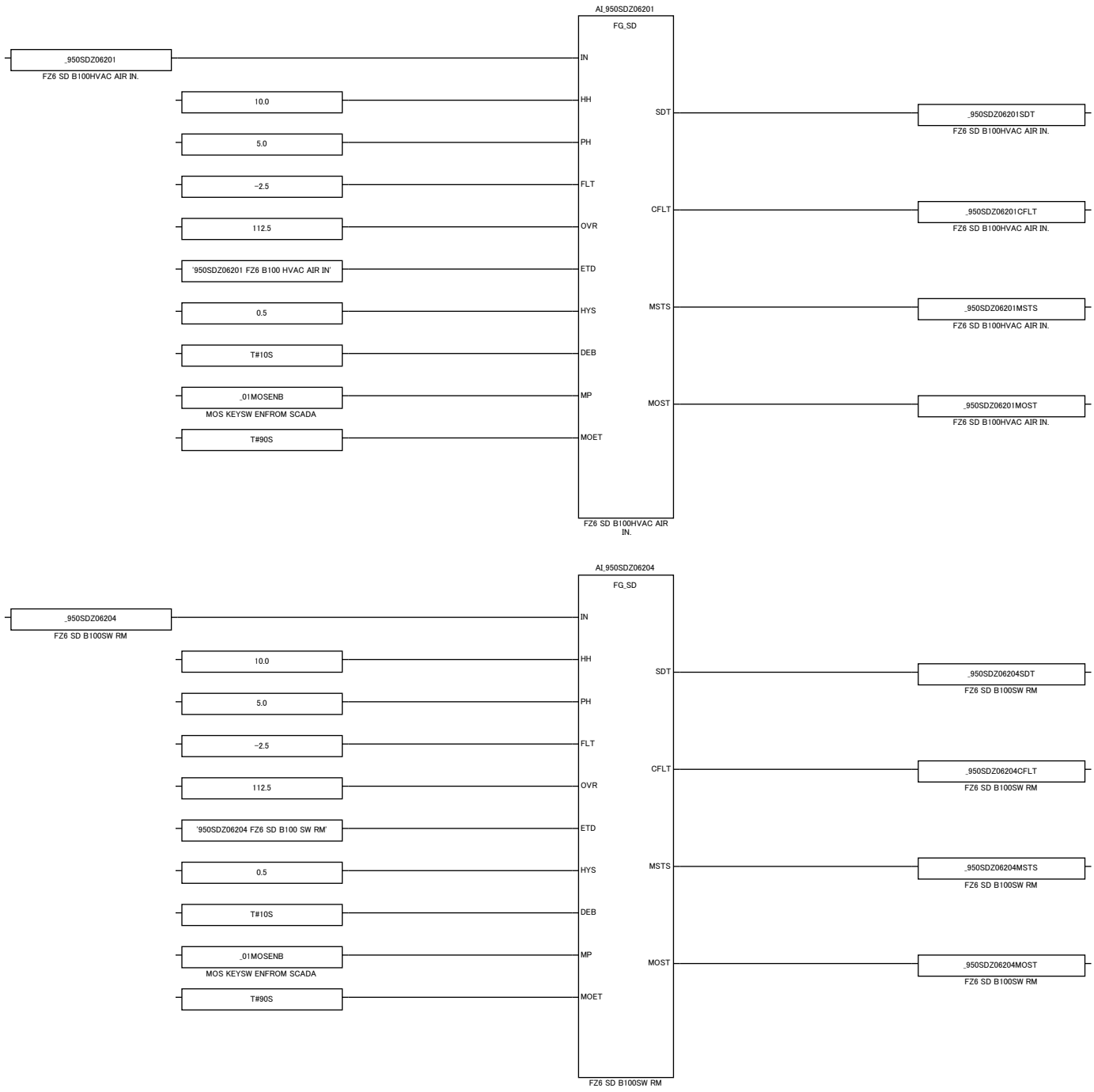

AI_950SDZ04218
FG_SD
_950SDZ04218
FZ4 SD B200LV S.R
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04218 FZ4 SD B200 LV S.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
FZ4 SD B200LV S.R
SDT
_950SDZ04218SDT
FZ4 SD B200LV S.R
CFLT
_950SDZ04218CFLT
FZ4 SD B200LV S.R
MSTS
_950SDZ04218MSTS
FZ4 SD B200LV S.R
MOST
_950SDZ04218MOST
FZ4 SD B200LV S.R

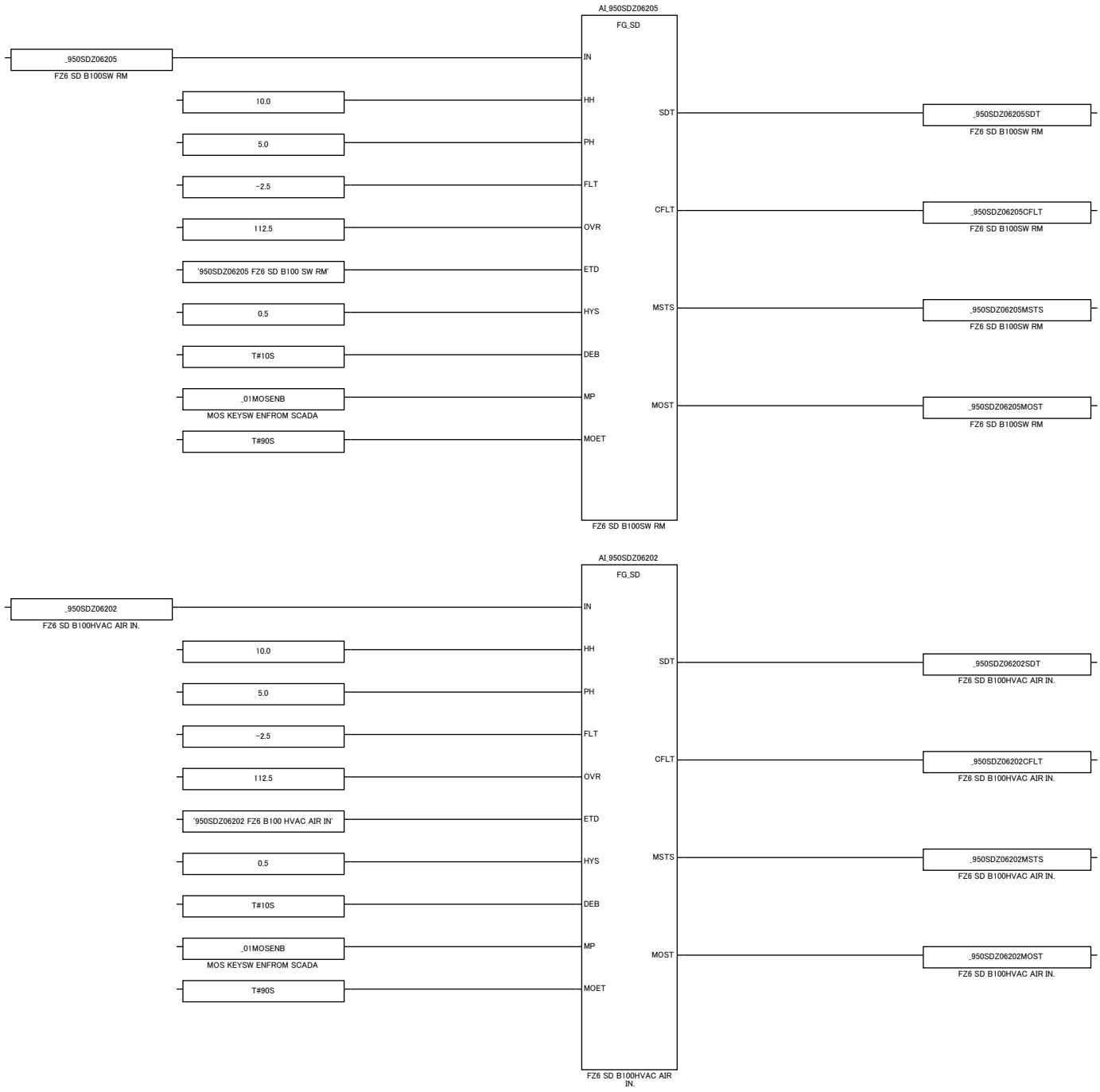

AI_950SDZ04216
FG_SD
_950SDZ04216
FZ4 SD B200LV S.R
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ04216 FZ4 SD B200 LV S.R'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04216SDT
FZ4 SD B200LV S.R
CFLT
_950SDZ04216CFLT
FZ4 SD B200LV S.R
MSTS
_950SDZ04216MSTS
FZ4 SD B200LV S.R
MOST
_950SDZ04216MOST
FZ4 SD B200LV S.R
FZ4 SD B200LV S.R


AI_950SDZ04217
FG_SD
_950SDZ04217
FZ4 SD B200LV SW RM
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#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ04217SDT
FZ4 SD B200LV SW RM
CFLT
_950SDZ04217CFLT
FZ4 SD B200LV SW RM
MSTS
_950SDZ04217MSTS
FZ4 SD B200LV SW RM
MOST
_950SDZ04217MOST
FZ4 SD B200LV SW RM
FZ4 SD B200LV SW RM

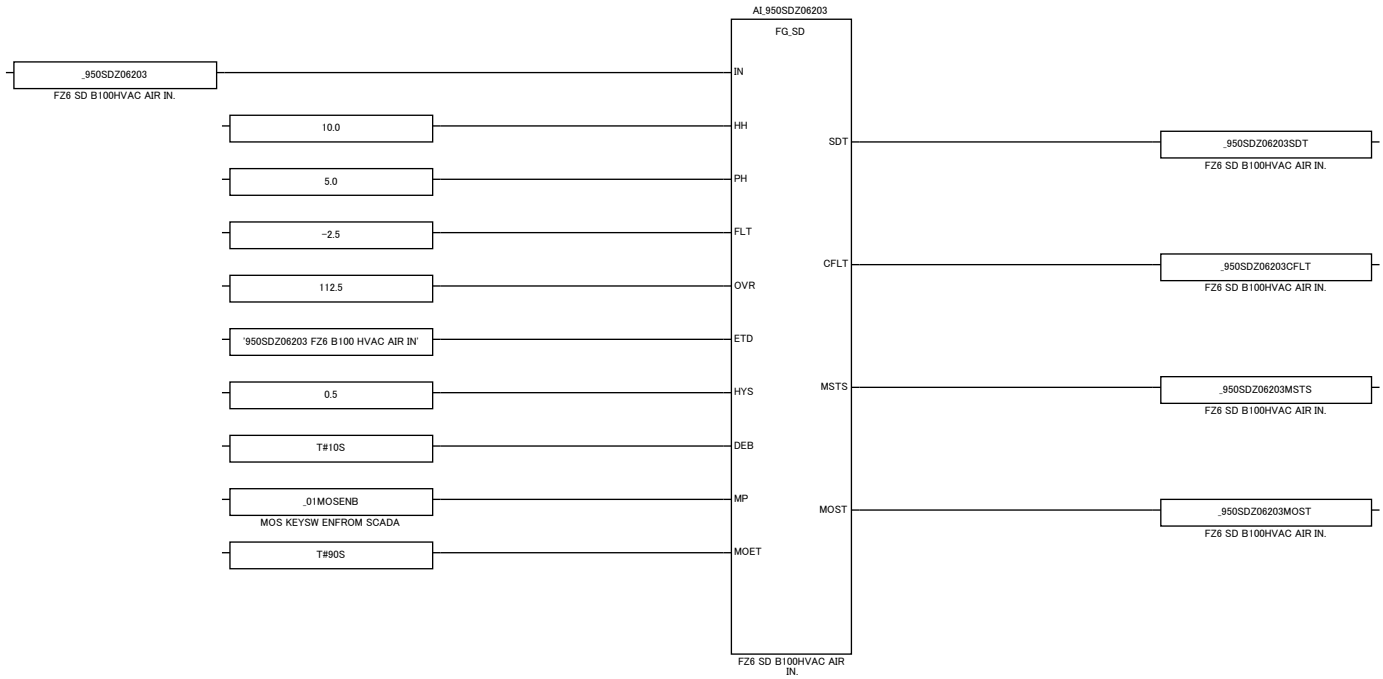
1.21. AI_SD_04(* Analog Input Processing-Smoke Detector *)

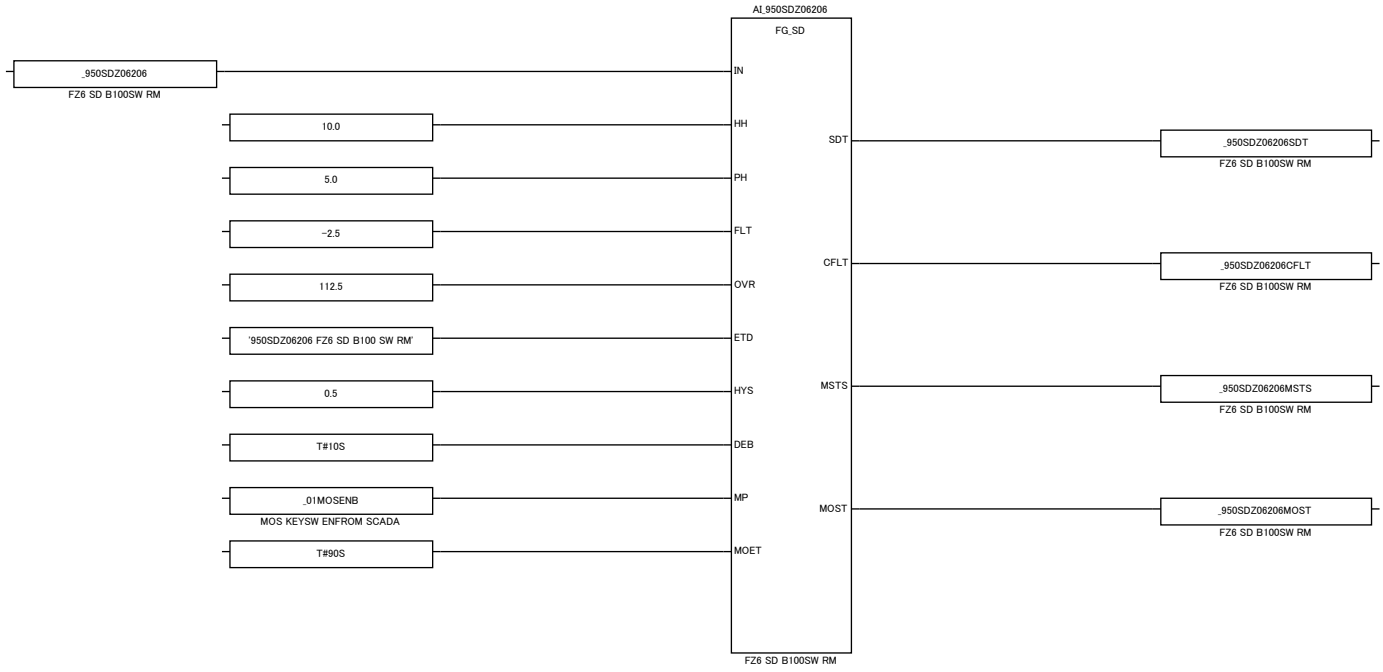
FOR ALL SMOKE DETECTOR HI & HIHI VA
LUE TO BE UPDATED IN FAT



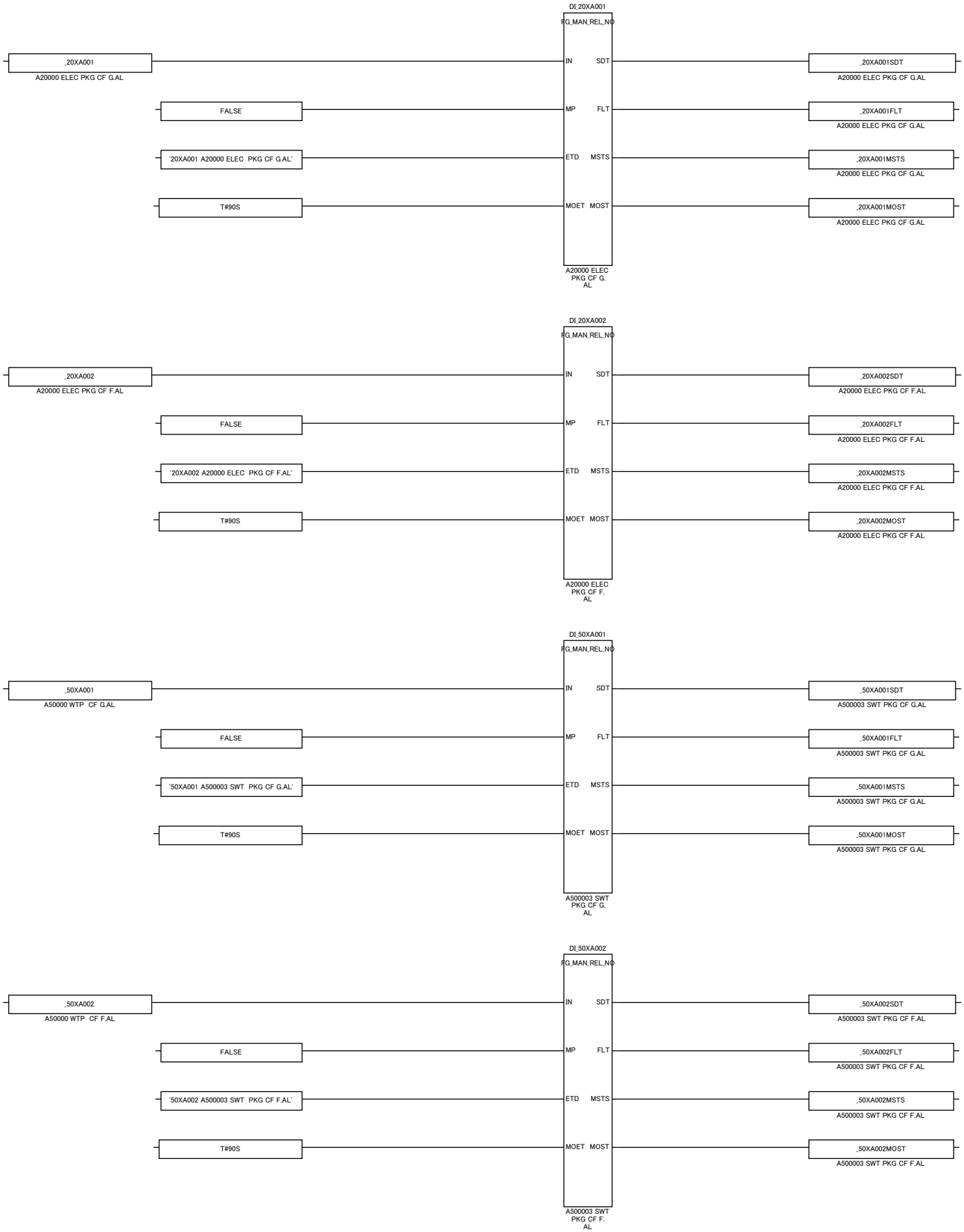


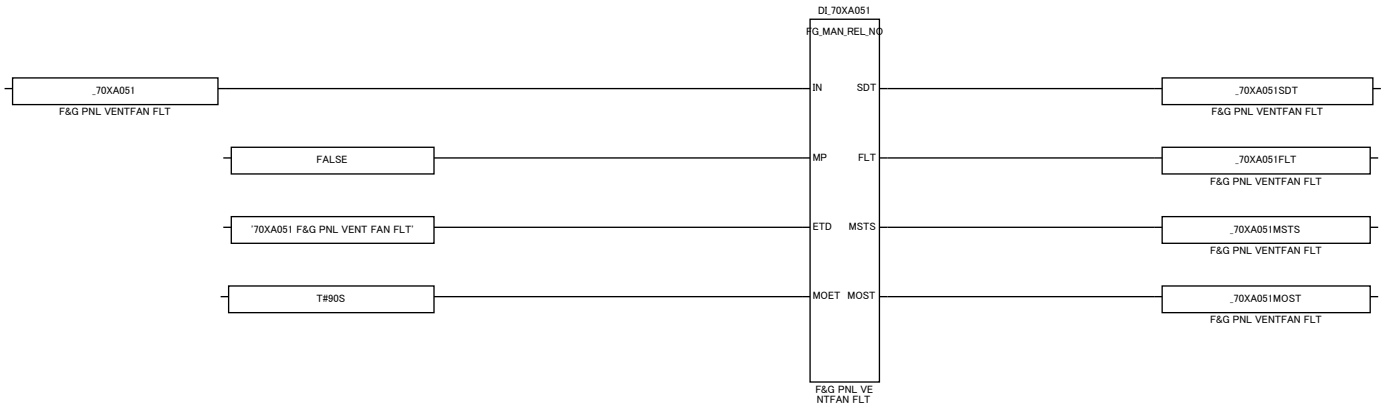
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 60
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

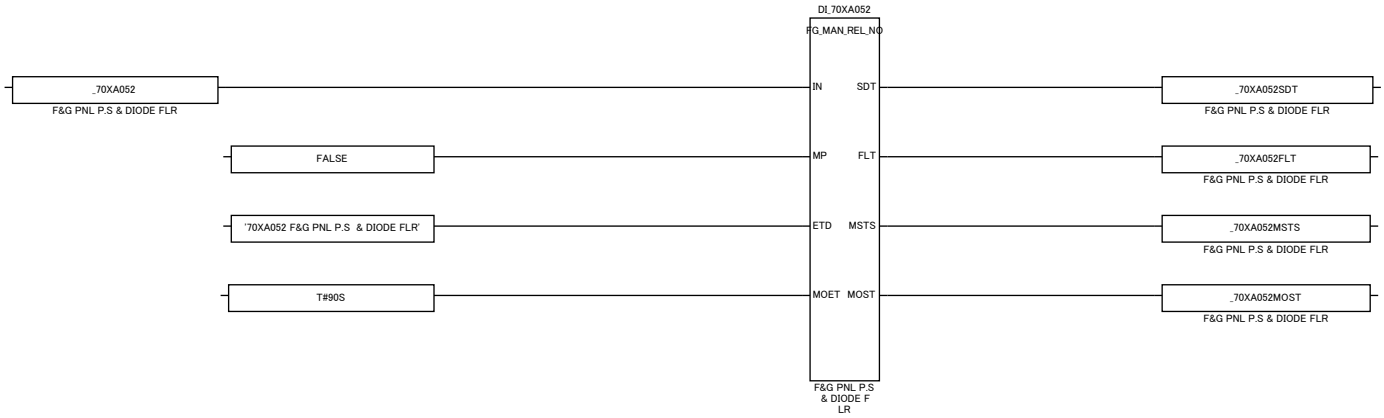

AI_950SDZ06203
FG_SD
_950SDZ06203
FZ6 SD B100HVAC AIR IN.
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ06203 FZ6 B100 HVAC AIR IN'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ06203SDT
FZ6 SD B100HVAC AIR IN.
CFLT
_950SDZ06203CFLT
FZ6 SD B100HVAC AIR IN.
MSTS
_950SDZ06203MSTS
FZ6 SD B100HVAC AIR IN.
MOST
_950SDZ06203MOST
FZ6 SD B100HVAC AIR IN.
FZ6 SD B100HVAC AIR IN.

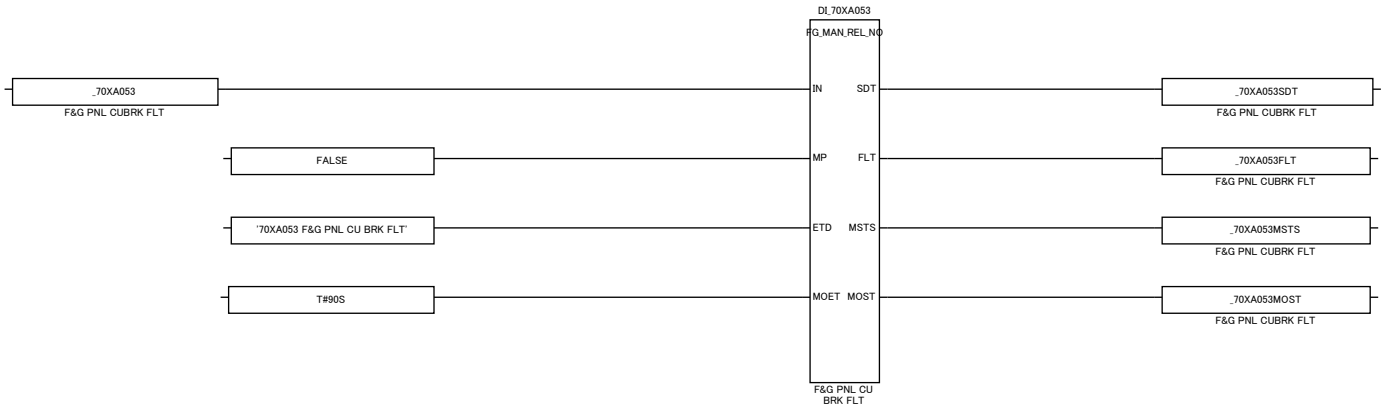

AI_950SDZ06206
FG_SD
_950SDZ06206
FZ6 SD B100SW RM
IN
10.0
HH
5.0
PH
-2.5
FLT
112.5
OVR
'950SDZ06206 FZ6 SD B100 SW RM'
ETD
0.5
HYS
T#10S
DEB
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
T#90S
MOET
SDT
_950SDZ06206SDT
FZ6 SD B100SW RM
CFLT
_950SDZ06206CFLT
FZ6 SD B100SW RM
MSTS
_950SDZ06206MSTS
FZ6 SD B100SW RM
MOST
_950SDZ06206MOST
FZ6 SD B100SW RM
FZ6 SD B100SW RM

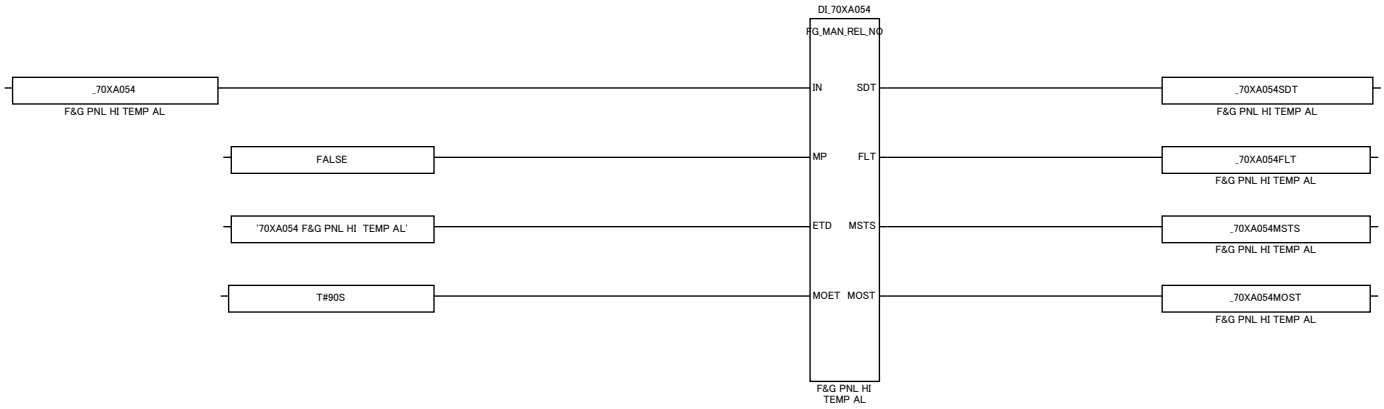
1.22. DI_01(* Digital Input Processing *)

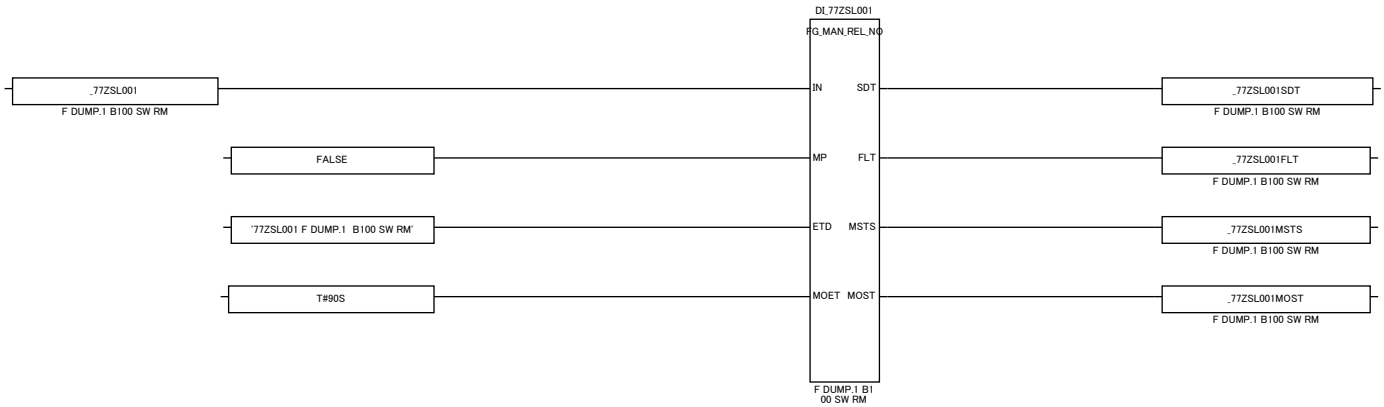


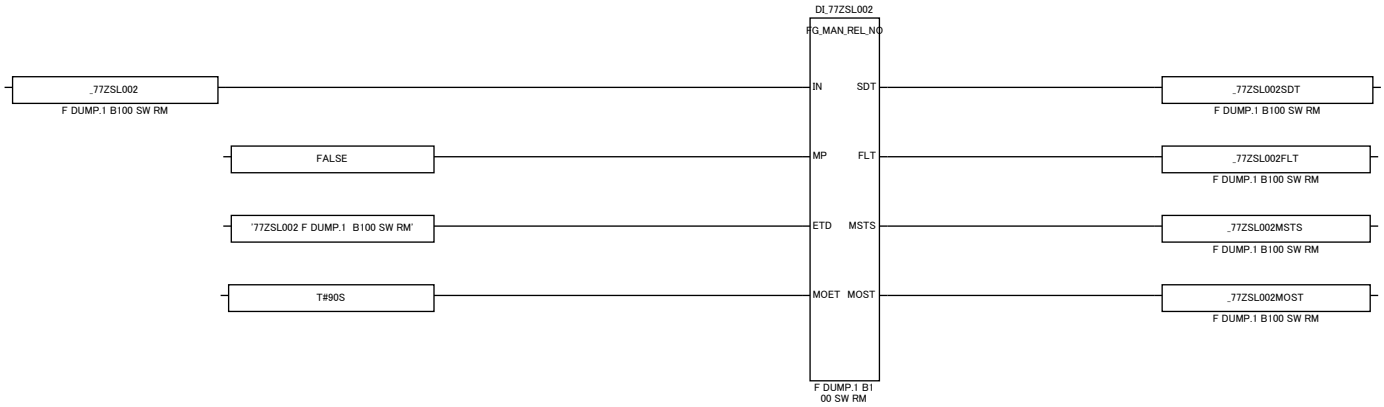

DI_70XA051
FG_MAN_REL_NO
_70XA051
F&G PNL VENTFAN FLT
FALSE
'70XA051 F&G PNL VENT FAN FLT'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
F&G PNL VE
NTFAN FLT
_70XA051SDT
F&G PNL VENTFAN FLT
_70XA051FLT
F&G PNL VENTFAN FLT
_70XA051MSTS
F&G PNL VENTFAN FLT
_70XA051MOST
F&G PNL VENTFAN FLT

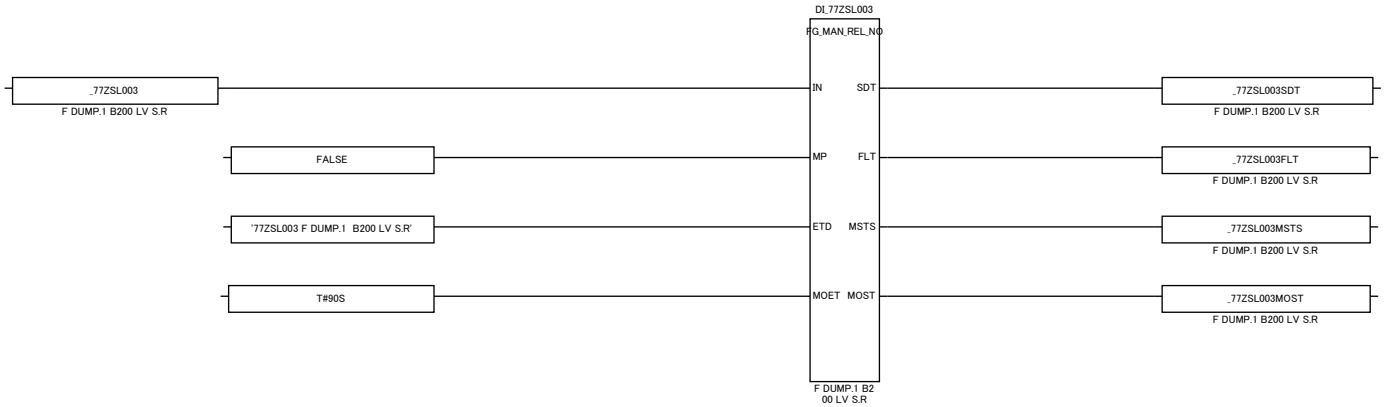

DI_70XA052
FG_MAN_REL_NO
_70XA052
F&G PNL P.S & DIODE FLR
FALSE
'70XA052 F&G PNL P.S & DIODE FLR'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
F&G PNL P.S
& DIODE F
LR
_70XA052SDT
F&G PNL P.S & DIODE FLR
_70XA052FLT
F&G PNL P.S & DIODE FLR
_70XA052MSTS
F&G PNL P.S & DIODE FLR
_70XA052MOST
F&G PNL P.S & DIODE FLR

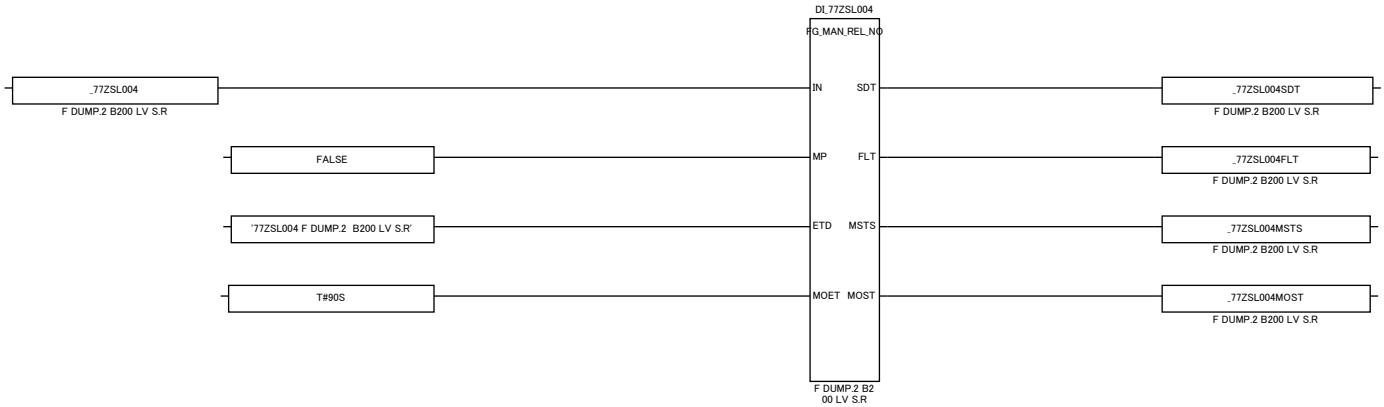

DI_70XA053
FG_MAN_REL_NO
_70XA053
F&G PNL CUBRK FLT
FALSE
'70XA053 F&G PNL CU BRK FLT'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
F&G PNL CU
BRK FLT
_70XA053SDT
F&G PNL CUBRK FLT
_70XA053FLT
F&G PNL CUBRK FLT
_70XA053MSTS
F&G PNL CUBRK FLT
_70XA053MOST
F&G PNL CUBRK FLT


DI_70XA054
FG_MAN_REL_NO
_70XA054
F&G PNL HI TEMP AL
FALSE
'70XA054 F&G PNL HI TEMP AL'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
F&G PNL HI
TEMP AL
_70XA054SDT
F&G PNL HI TEMP AL
_70XA054FLT
F&G PNL HI TEMP AL
_70XA054MSTS
F&G PNL HI TEMP AL
_70XA054MOST
F&G PNL HI TEMP AL

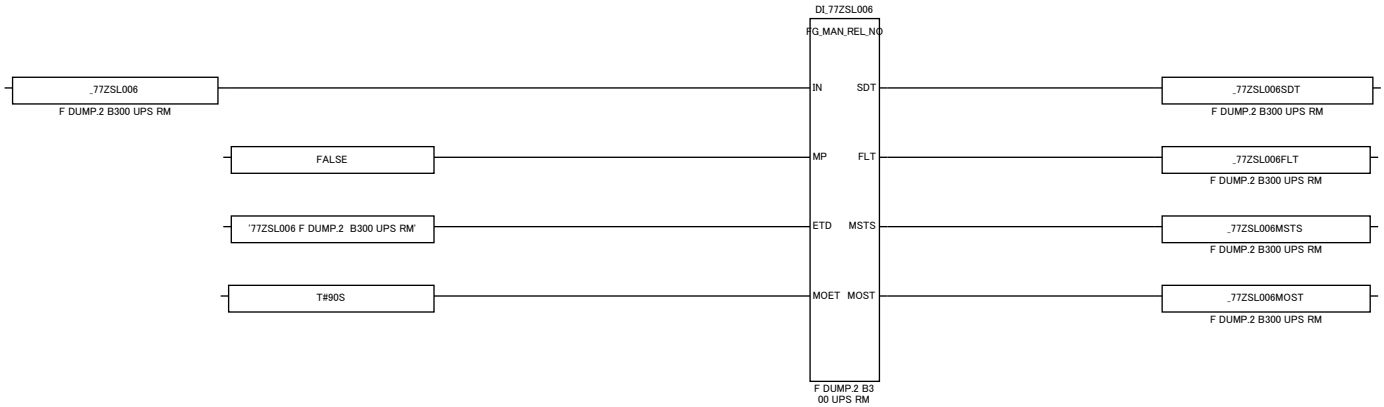

DI_77ZSL001
FG_MAN_REL_NO
_77ZSL001
F DUMP.1 B100 SW RM
FALSE
'77ZSL001 F DUMP.1 B100 SW RM'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
_77ZSL001SDT
F DUMP.1 B100 SW RM
_77ZSL001FLT
F DUMP.1 B100 SW RM
_77ZSL001MSTS
F DUMP.1 B100 SW RM
_77ZSL001MOST
F DUMP.1 B100 SW RM
F DUMP.1 B100 SW RM

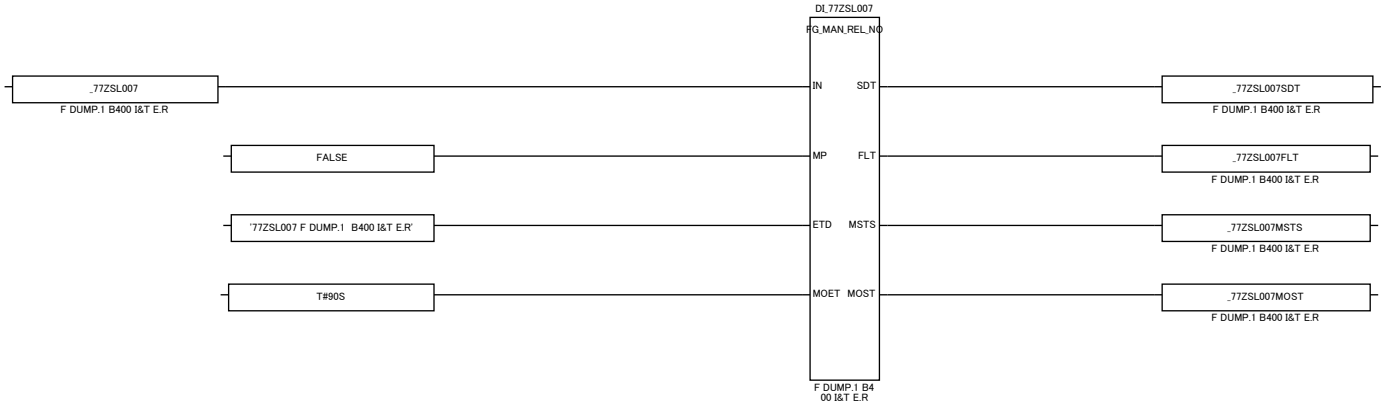

DI_77ZSL002
FG_MAN_REL_NO
_77ZSL002
F DUMP.1 B100 SW RM
FALSE
'77ZSL002 F DUMP.1 B100 SW RM'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
_77ZSL002SDT
F DUMP.1 B100 SW RM
_77ZSL002FLT
F DUMP.1 B100 SW RM
_77ZSL002MSTS
F DUMP.1 B100 SW RM
_77ZSL002MOST
F DUMP.1 B100 SW RM
F DUMP.1 B100 SW RM

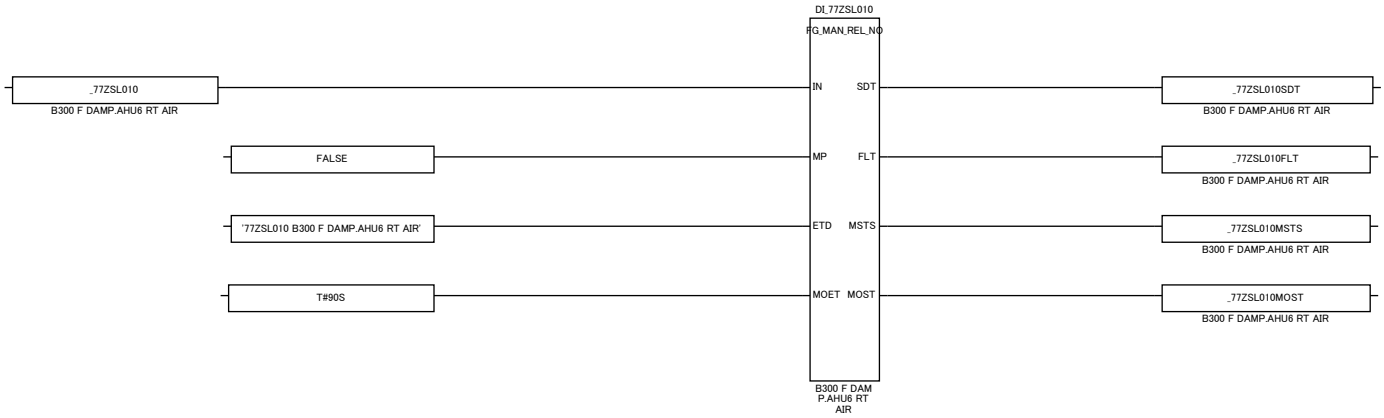

DI_77ZSL003
FG_MAN_REL_NO
_77ZSL003
F DUMP.1 B200 LV S.R
FALSE
'77ZSL003 F DUMP.1 B200 LV S.R'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
_77ZSL003SDT
F DUMP.1 B200 LV S.R
_77ZSL003FLT
F DUMP.1 B200 LV S.R
_77ZSL003MSTS
F DUMP.1 B200 LV S.R
_77ZSL003MOST
F DUMP.1 B200 LV S.R
F DUMP.1 B200 LV S.R

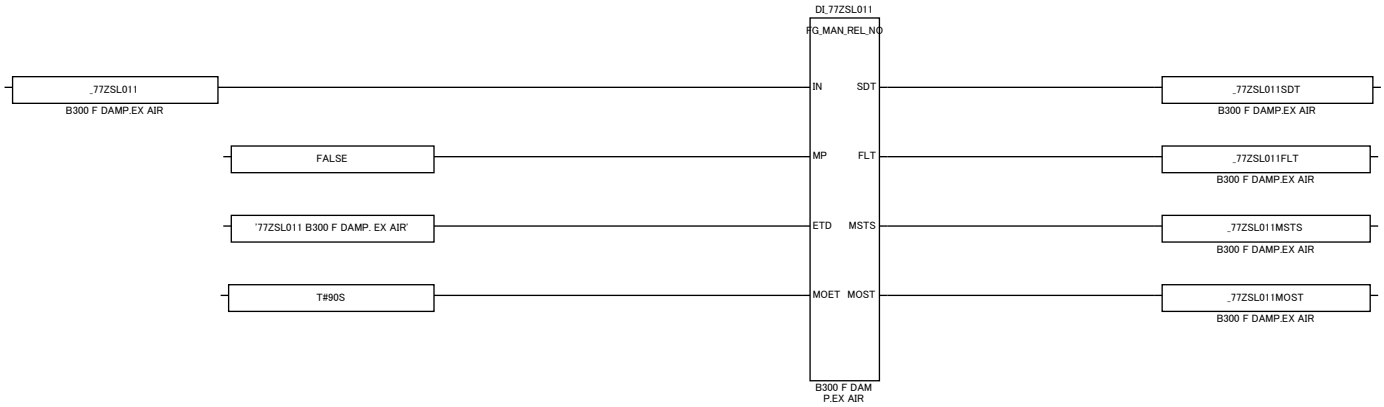

DI_77ZSL004
FG_MAN_REL_NO
_77ZSL004
F DUMP.2 B200 LV S.R
FALSE
'77ZSL004 F DUMP.2 B200 LV S.R'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
_77ZSL004SDT
F DUMP.2 B200 LV S.R
_77ZSL004FLT
F DUMP.2 B200 LV S.R
_77ZSL004MSTS
F DUMP.2 B200 LV S.R
_77ZSL004MOST
F DUMP.2 B200 LV S.R
F DUMP.2 B200 LV S.R

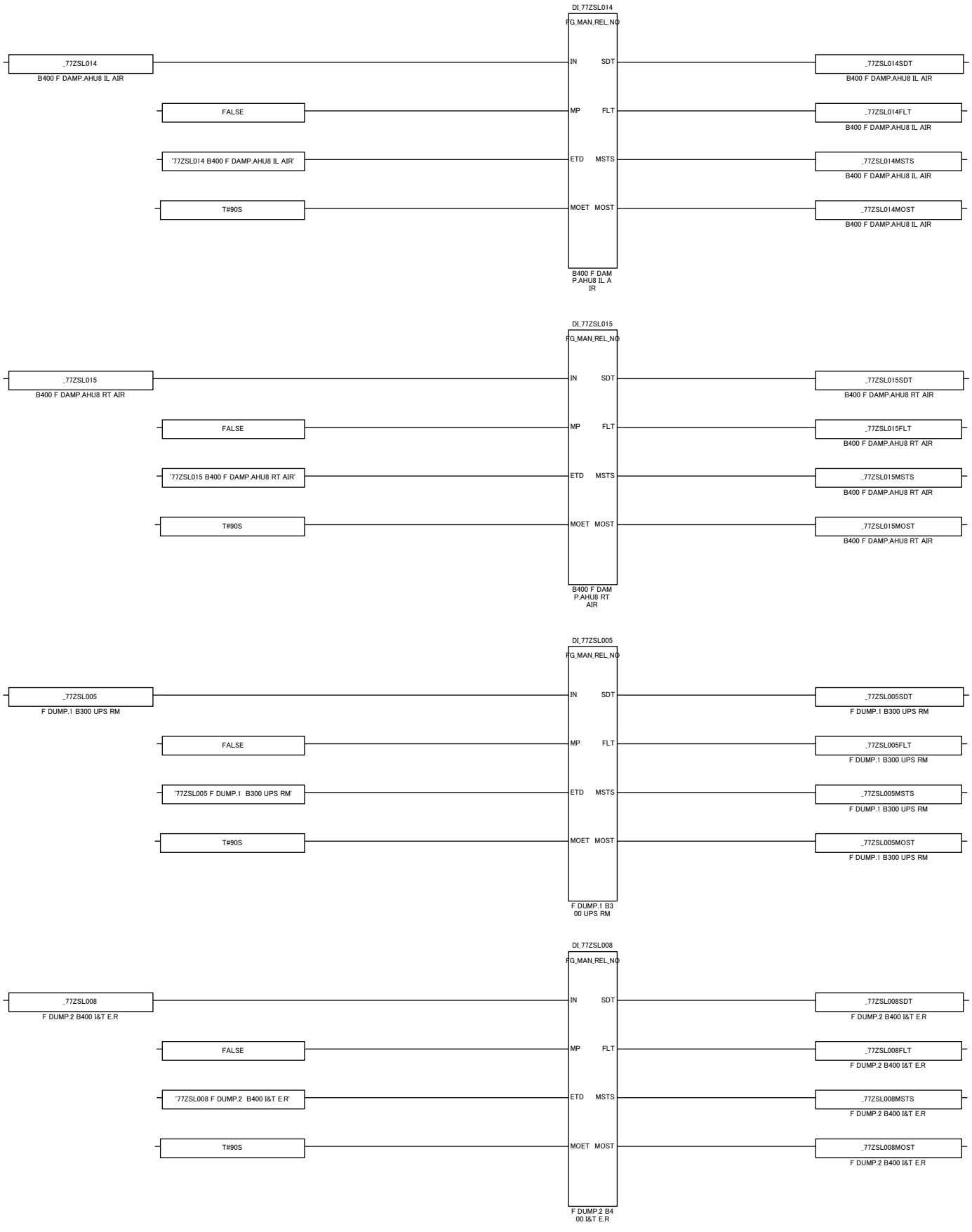
1.23. DI_02(* Digital Input Processing *)



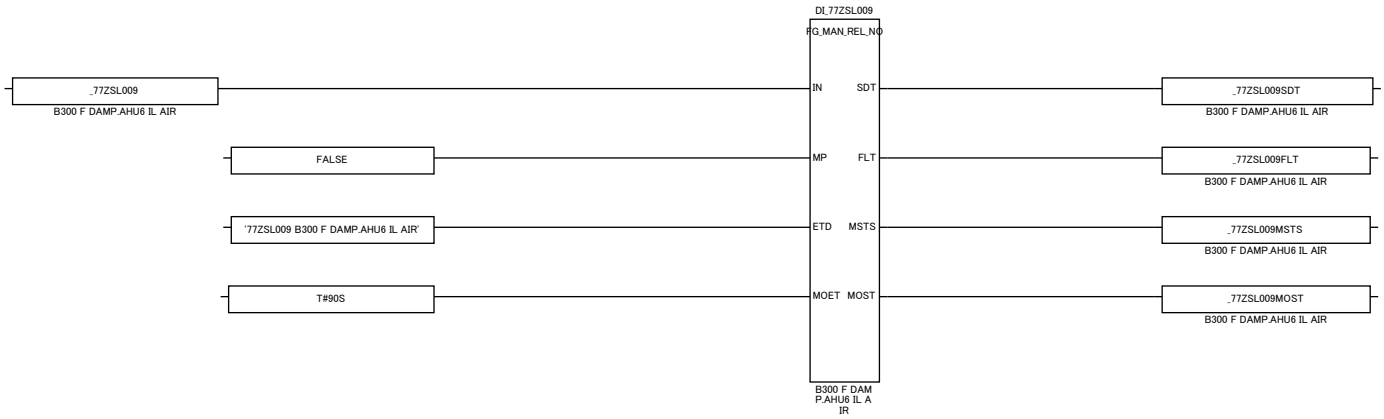


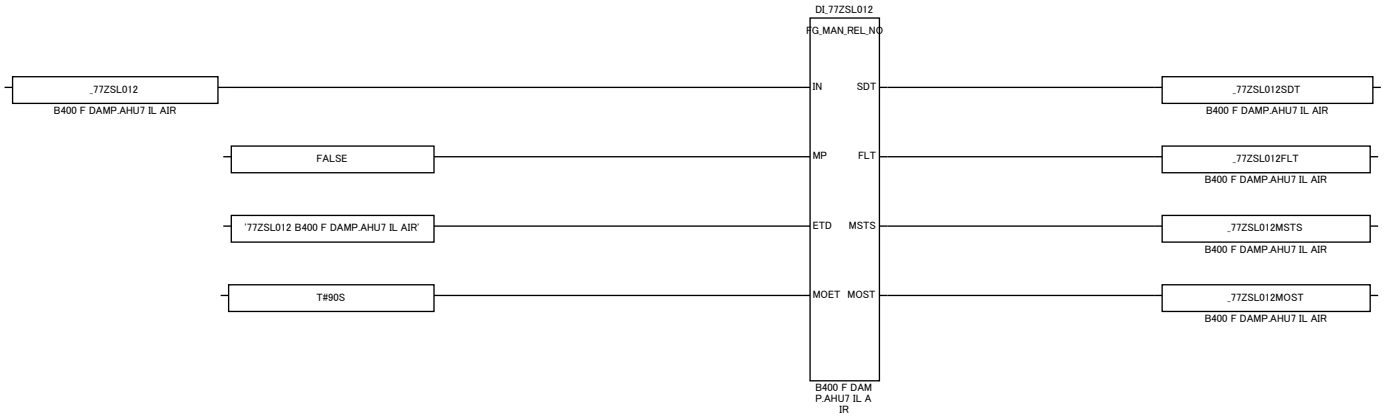


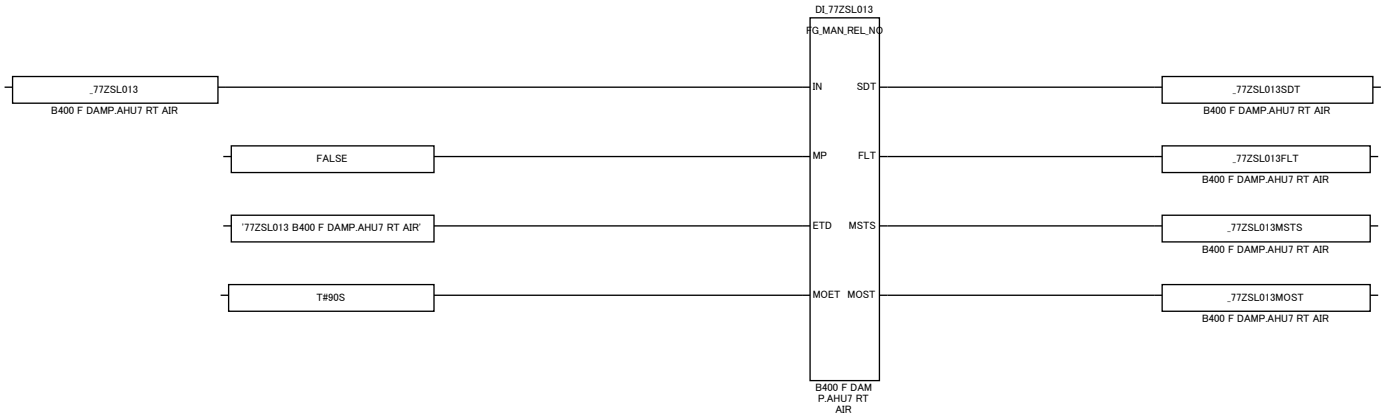


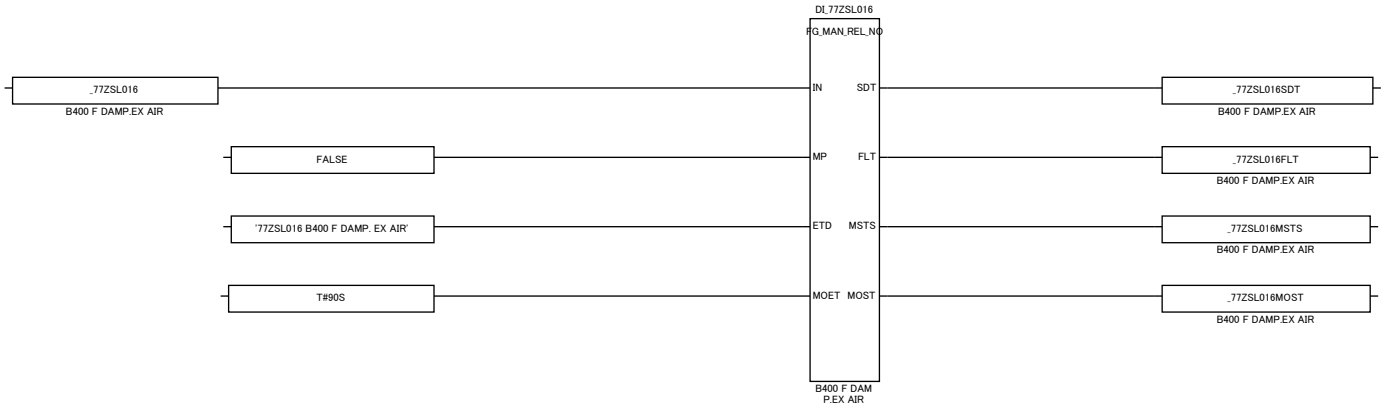


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 66
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

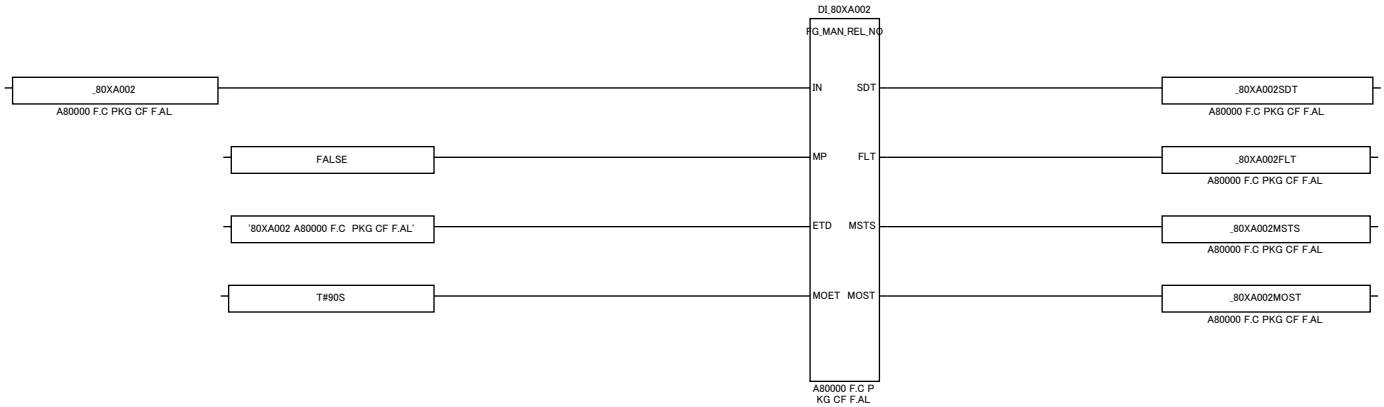

DI_77ZSL009
FG_MAN_REL_NO
_77ZSL009
B300 F DAMP.AHU6 IL AIR
FALSE
'77ZSL009 B300 F DAMP.AHU6 IL AIR'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
B300 F DAMP.AHU6 IL AIR
_77ZSL009SDT
B300 F DAMP.AHU6 IL AIR
_77ZSL009FLT
B300 F DAMP.AHU6 IL AIR
_77ZSL009MSTS
B300 F DAMP.AHU6 IL AIR
_77ZSL009MOST
B300 F DAMP.AHU6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

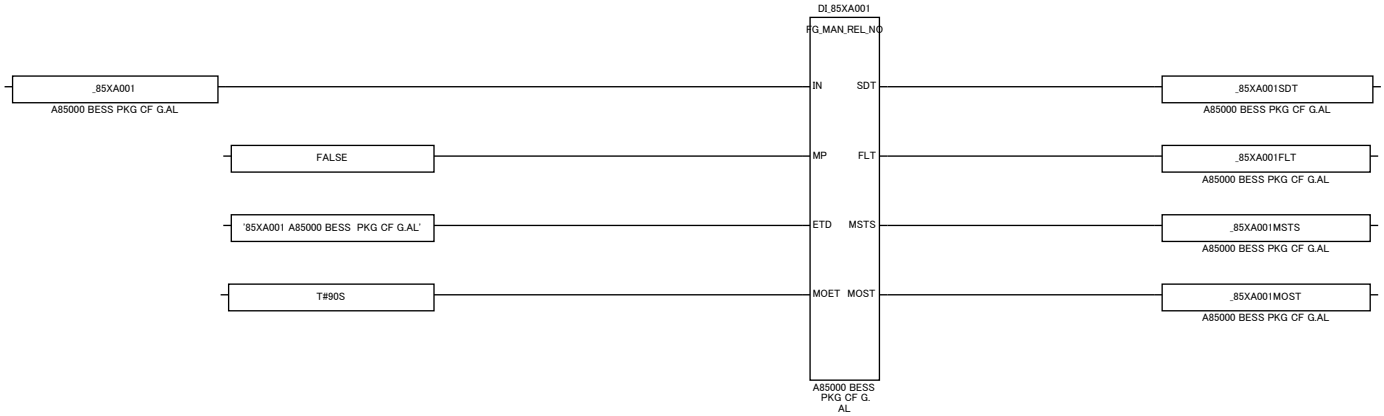

DI_77ZSL012
FG_MAN_REL_NO
_77ZSL012
B400 F DAMP.AHU7 IL AIR
FALSE
'77ZSL012 B400 F DAMP.AHU7 IL AIR'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
B400 F DAMP.AHU7 IL AIR
_77ZSL012SDT
B400 F DAMP.AHU7 IL AIR
_77ZSL012FLT
B400 F DAMP.AHU7 IL AIR
_77ZSL012MSTS
B400 F DAMP.AHU7 IL AIR
_77ZSL012MOST
B400 F DAMP.AHU7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

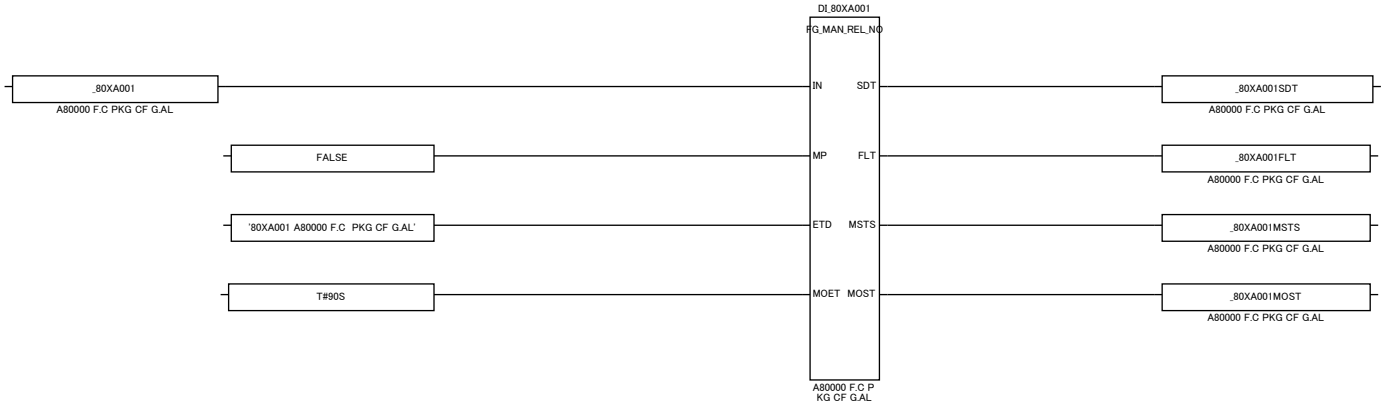

DI_77ZSL013
FG_MAN_REL_NO
_77ZSL013
B400 F DAMP.AHU7 RT AIR
FALSE
'77ZSL013 B400 F DAMP.AHU7 RT AIR'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
B400 F DAMP.AHU7 RT AIR
_77ZSL013SDT
B400 F DAMP.AHU7 RT AIR
_77ZSL013FLT
B400 F DAMP.AHU7 RT AIR
_77ZSL013MSTS
B400 F DAMP.AHU7 RT AIR
_77ZSL013MOST
B400 F DAMP.AHU7 RT AIR

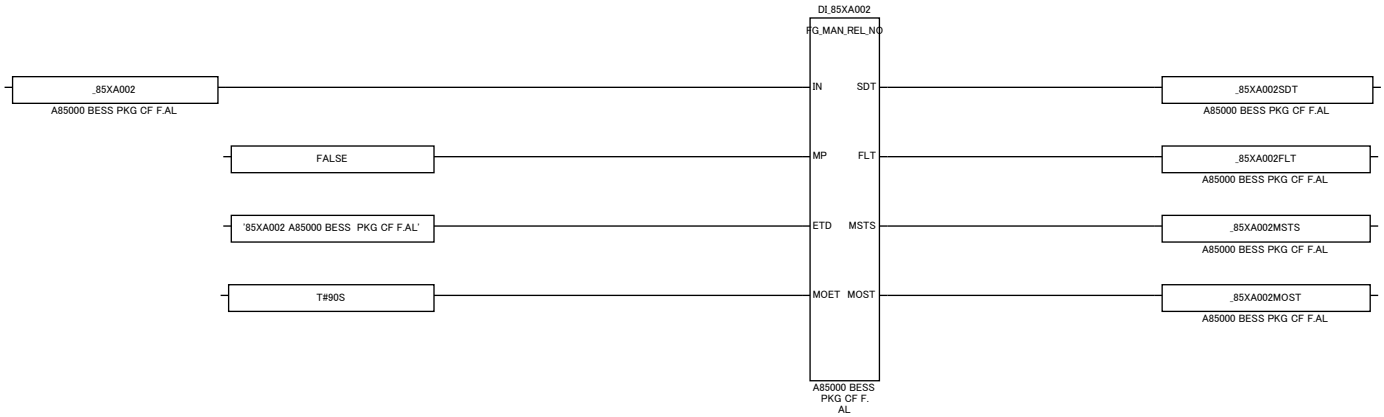

DI_77ZSL016
FG_MAN_REL_NO
_77ZSL016
B400 F DAMP.EX AIR
FALSE
'77ZSL016 B400 F DAMP. EX AIR'
T#90S
IN
SDT
MP
FLT
ETD
MSTS
MOET
MOST
B400 F DAMP.EX AIR
_77ZSL016SDT
B400 F DAMP.EX AIR
_77ZSL016FLT
B400 F DAMP.EX AIR
_77ZSL016MSTS
B400 F DAMP.EX AIR
_77ZSL016MOST
B400 F DAMP.EX AIR

1.24. DI_03(* Digital Input Processing *)

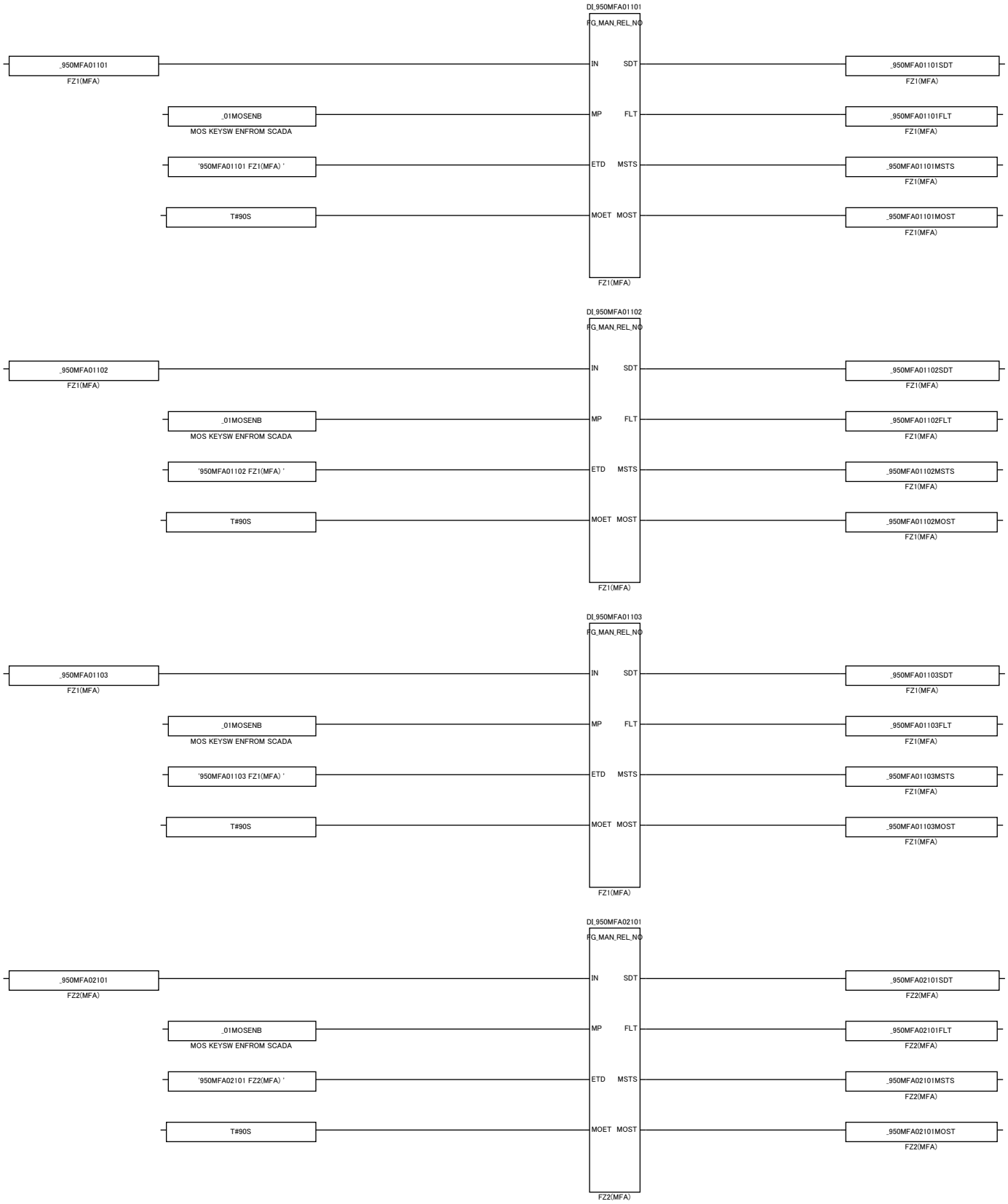


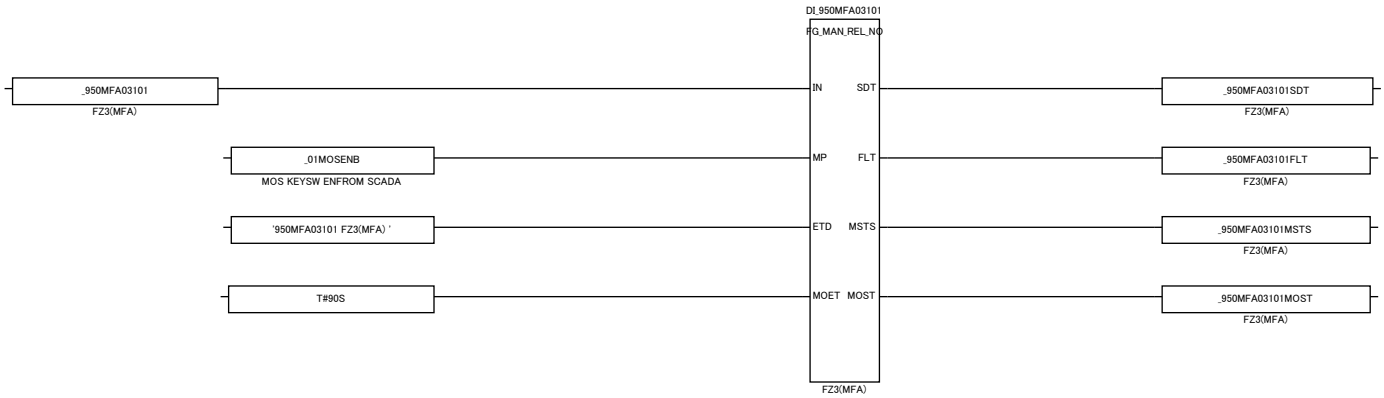


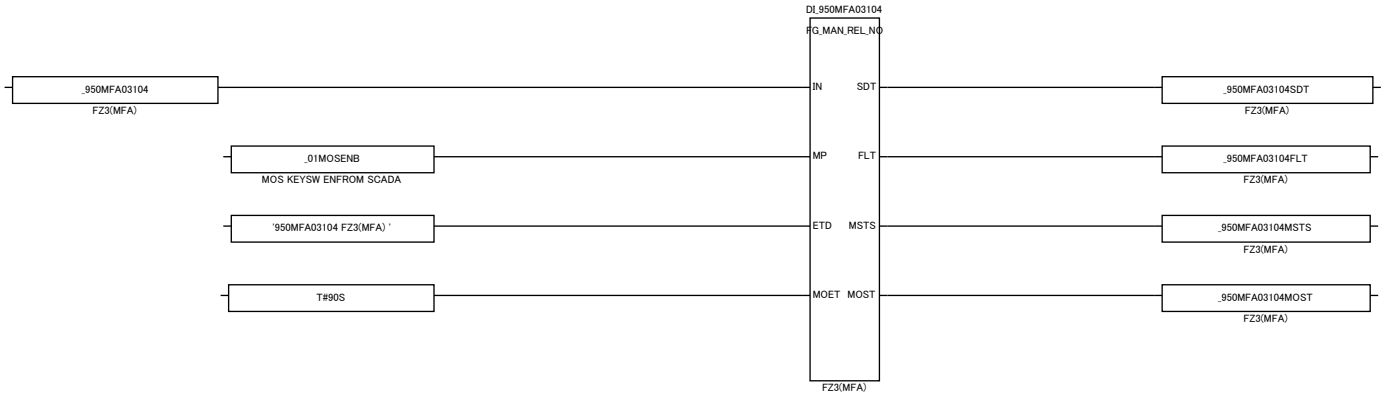


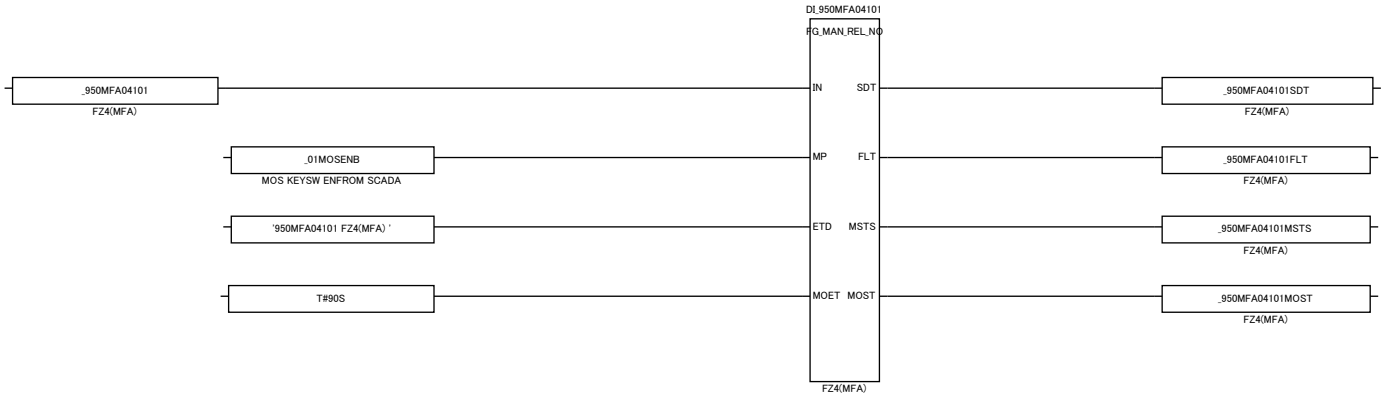


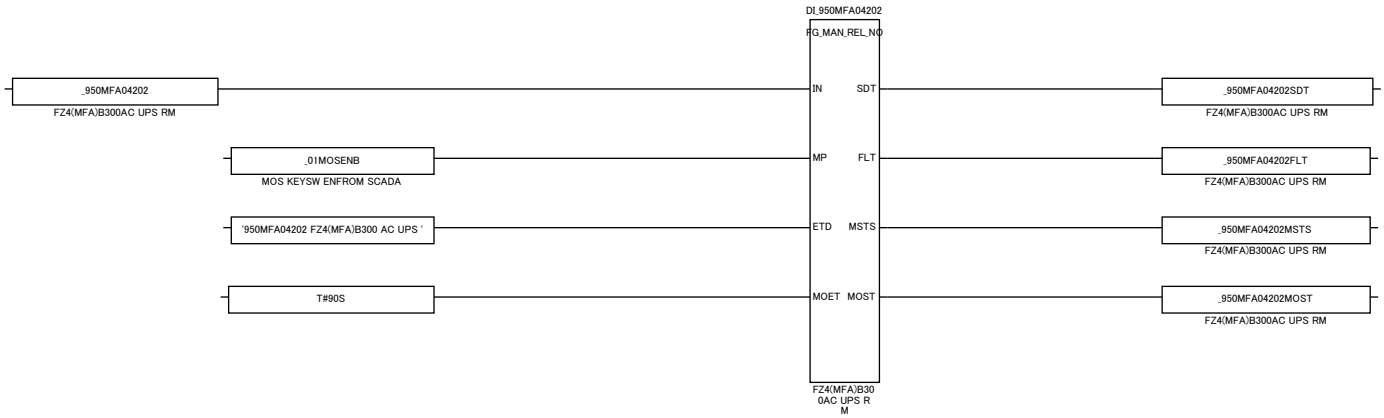
1.25. DI_04(* Digital Input Processing *)

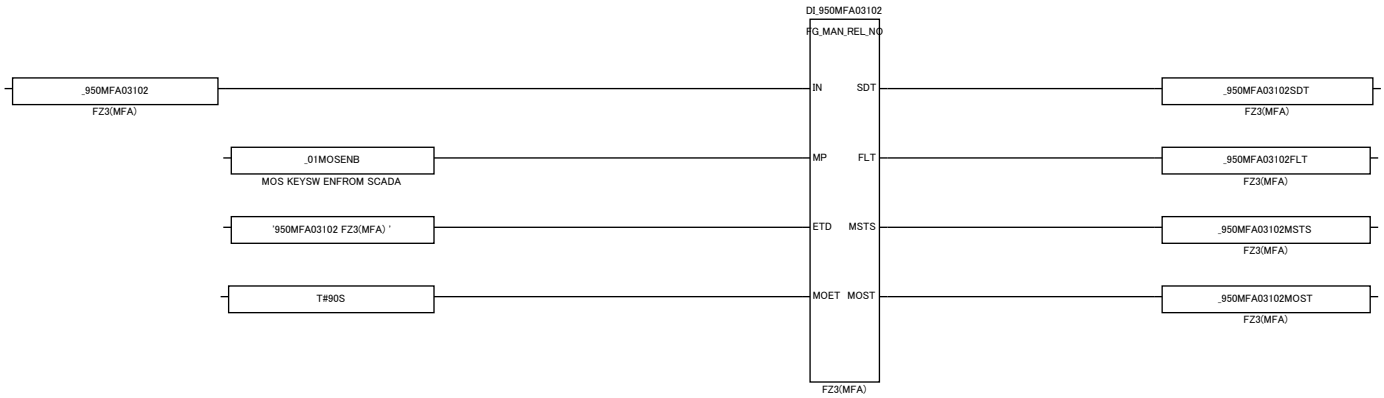


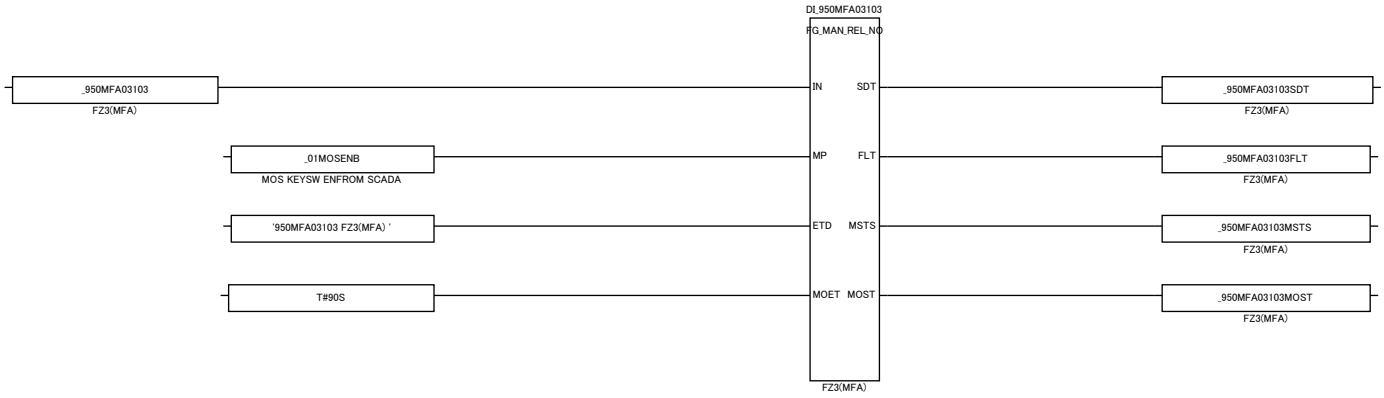

DI_950MFA03101
FG_MAN_REL_NO
_950MFA03101
FZ3(MFA)
IN
SDT
_950MFA03101SDT
FZ3(MFA)
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA03101FLT
FZ3(MFA)
'950MFA03101 FZ3(MFA) '
ETD
MSTS
_950MFA03101MSTS
FZ3(MFA)
T#90S
MOET
MOST
_950MFA03101MOST
FZ3(MFA)
FZ3(MFA)

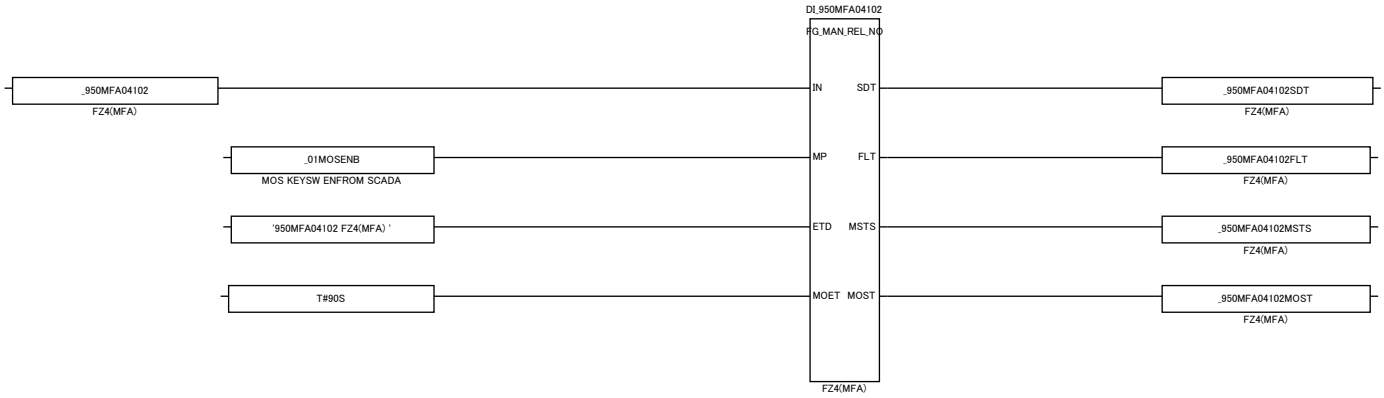

DI_950MFA03104
FG_MAN_REL_NO
_950MFA03104
FZ3(MFA)
IN
SDT
_950MFA03104SDT
FZ3(MFA)
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA03104FLT
FZ3(MFA)
'950MFA03104 FZ3(MFA) '
ETD
MSTS
_950MFA03104MSTS
FZ3(MFA)
T#90S
MOET
MOST
_950MFA03104MOST
FZ3(MFA)
FZ3(MFA)

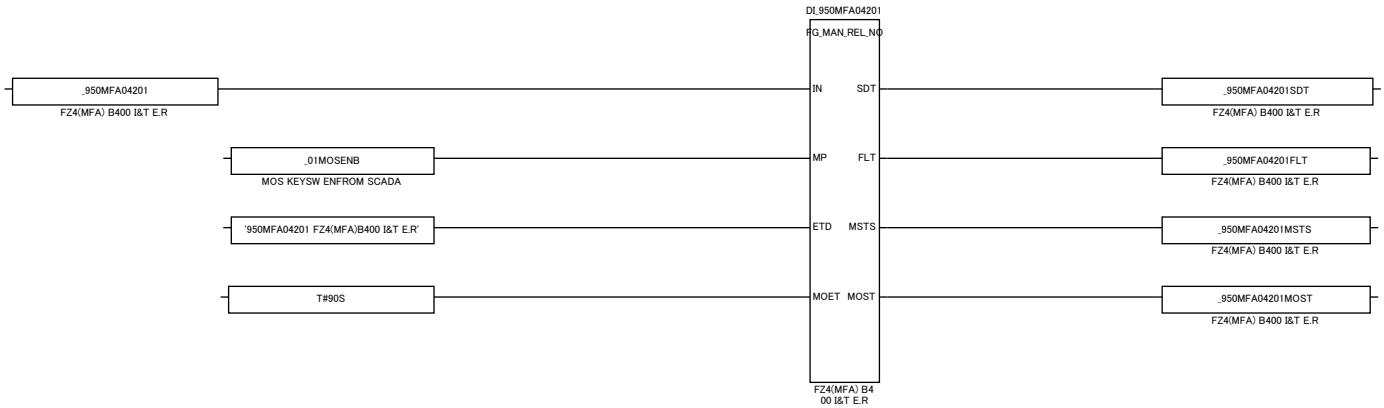

DI_950MFA04101
FG_MAN_REL_NO
_950MFA04101
FZ4(MFA)
IN
SDT
_950MFA04101SDT
FZ4(MFA)
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA04101FLT
FZ4(MFA)
'950MFA04101 FZ4(MFA) '
ETD
MSTS
_950MFA04101MSTS
FZ4(MFA)
T#90S
MOET
MOST
_950MFA04101MOST
FZ4(MFA)
FZ4(MFA)


DI_950MFA04202
FG_MAN_REL_NO
_950MFA04202
FZ4(MFA)B300AC UPS RM
IN
SDT
_950MFA04202SDT
FZ4(MFA)B300AC UPS RM
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA04202FLT
FZ4(MFA)B300AC UPS RM
'950MFA04202 FZ4(MFA)B300 AC UPS '
ETD
MSTS
_950MFA04202MSTS
FZ4(MFA)B300AC UPS RM
T#90S
MOET
MOST
_950MFA04202MOST
FZ4(MFA)B300AC UPS RM
FZ4(MFA)B30
0AC UPS R
M

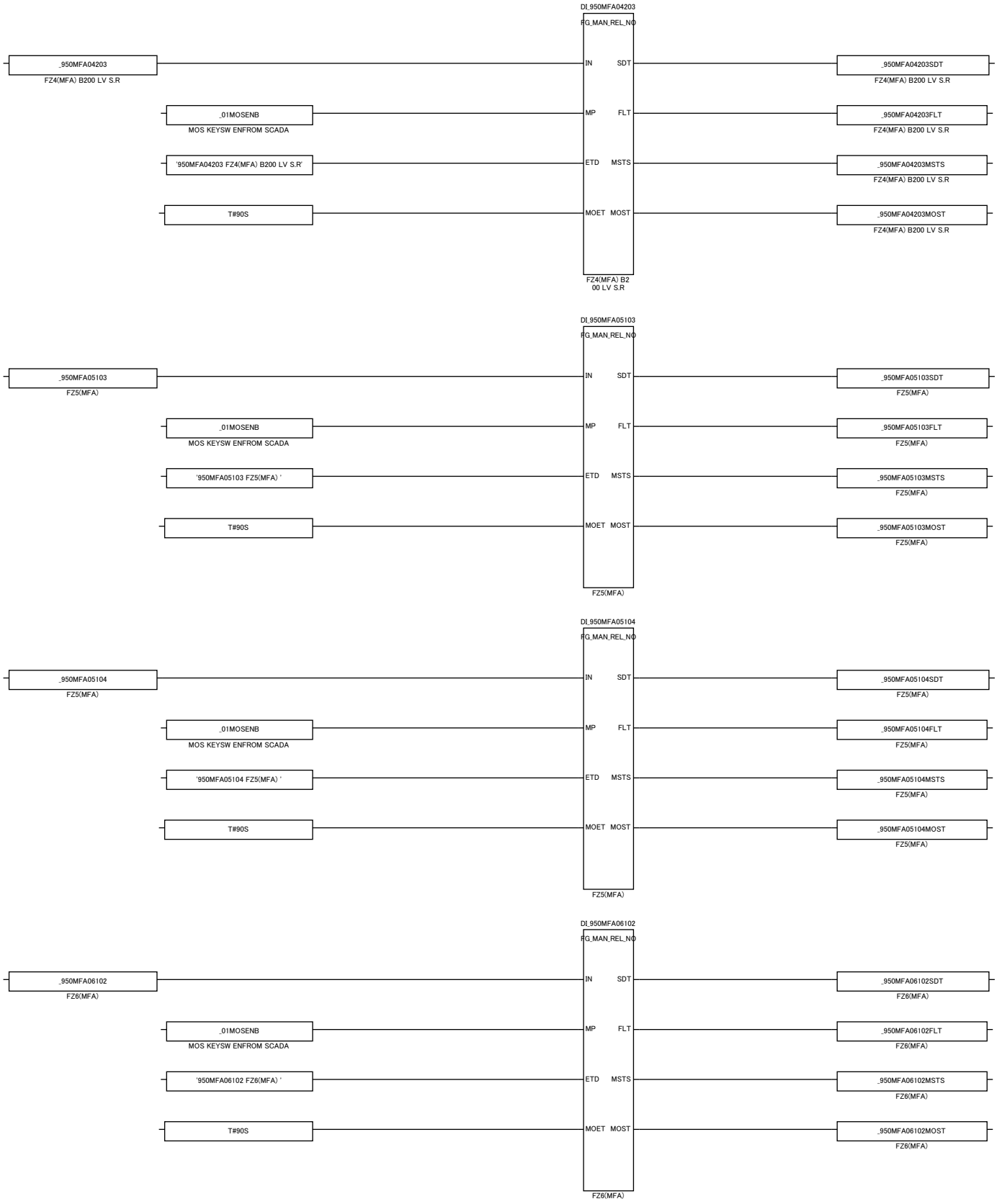

DI_950MFA03102
FG_MAN_REL_NO
_950MFA03102
FZ3(MFA)
IN
SDT
_950MFA03102SDT
FZ3(MFA)
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA03102FLT
FZ3(MFA)
'950MFA03102 FZ3(MFA) '
ETD
MSTS
_950MFA03102MSTS
FZ3(MFA)
T#90S
MOET
MOST
_950MFA03102MOST
FZ3(MFA)
FZ3(MFA)

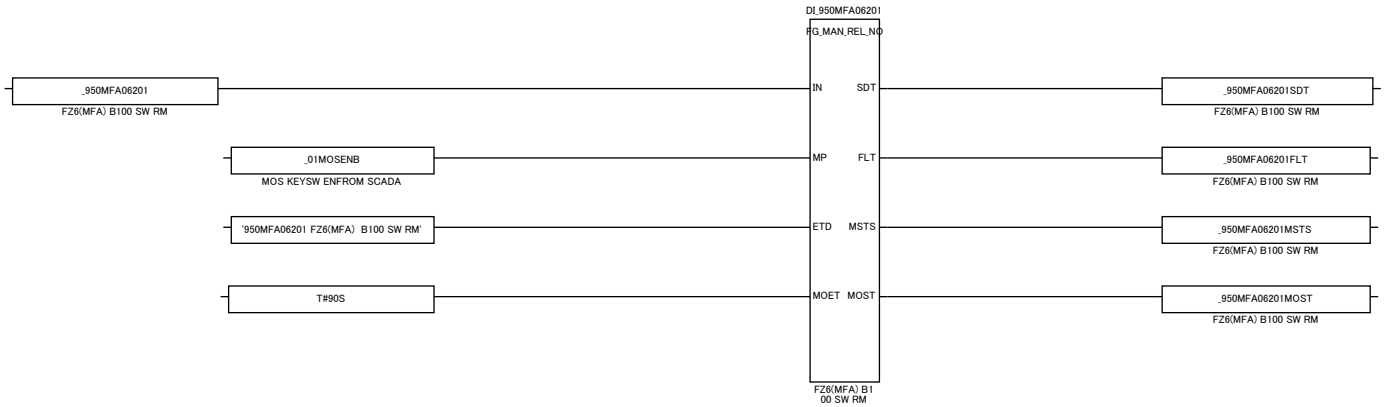

DI_950MFA03103
FG_MAN_REL_NO
_950MFA03103
FZ3(MFA)
IN
SDT
_950MFA03103SDT
FZ3(MFA)
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA03103FLT
FZ3(MFA)
'950MFA03103 FZ3(MFA) '
ETD
MSTS
_950MFA03103MSTS
FZ3(MFA)
T#90S
MOET
MOST
_950MFA03103MOST
FZ3(MFA)
FZ3(MFA)

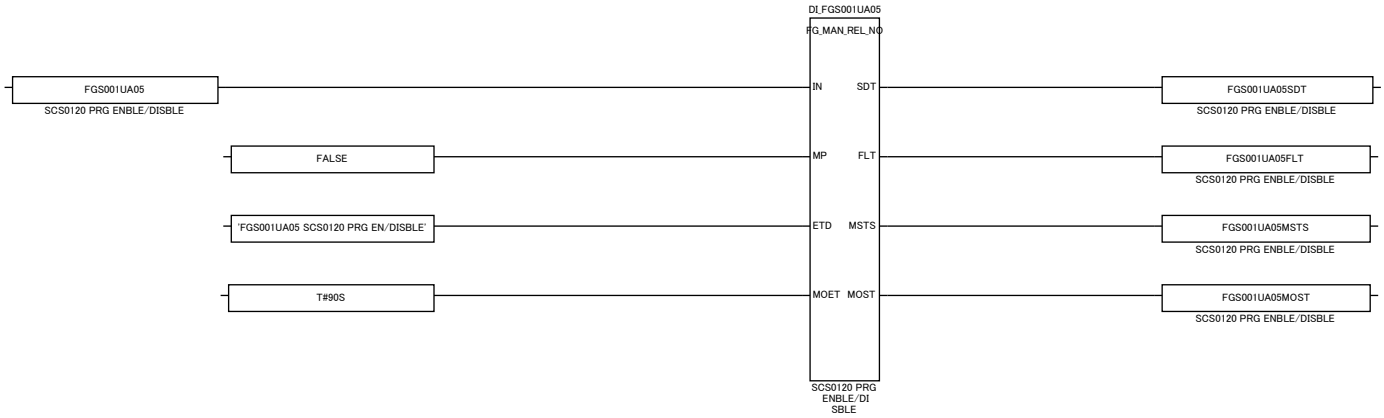

DI_950MFA04102
FG_MAN_REL_NO
_950MFA04102
FZ4(MFA)
IN
SDT
_950MFA04102SDT
FZ4(MFA)
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA04102FLT
FZ4(MFA)
'950MFA04102 FZ4(MFA) '
ETD
MSTS
_950MFA04102MSTS
FZ4(MFA)
T#90S
MOET
MOST
_950MFA04102MOST
FZ4(MFA)
FZ4(MFA)

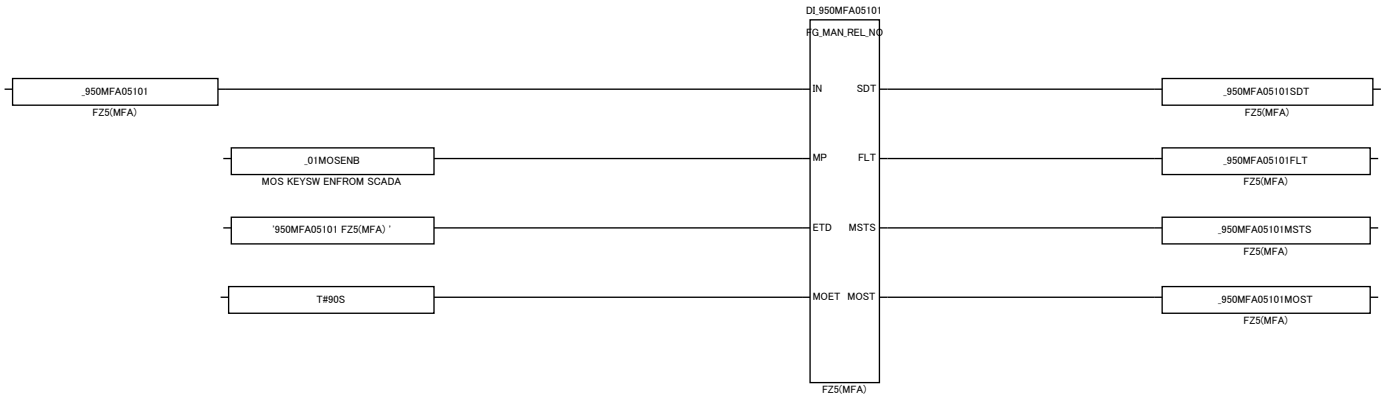

DI_950MFA04201
FG_MAN_REL_NO
_950MFA04201
FZ4(MFA) B400 I&T E.R
IN
SDT
_950MFA04201SDT
FZ4(MFA) B400 I&T E.R
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA04201FLT
FZ4(MFA) B400 I&T E.R
'950MFA04201 FZ4(MFA)B400 I&T E.R'
ETD
MSTS
_950MFA04201MSTS
FZ4(MFA) B400 I&T E.R
T#90S
MOET
MOST
_950MFA04201MOST
FZ4(MFA) B400 I&T E.R
FZ4(MFA) B4
00 I&T E.R

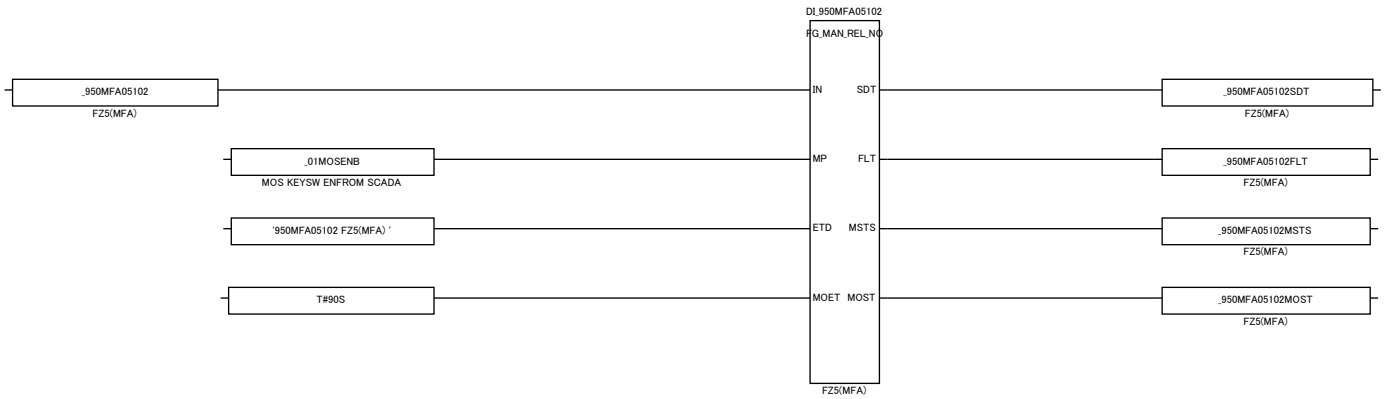
1.26. DI_05(* Digital Input Processing *)



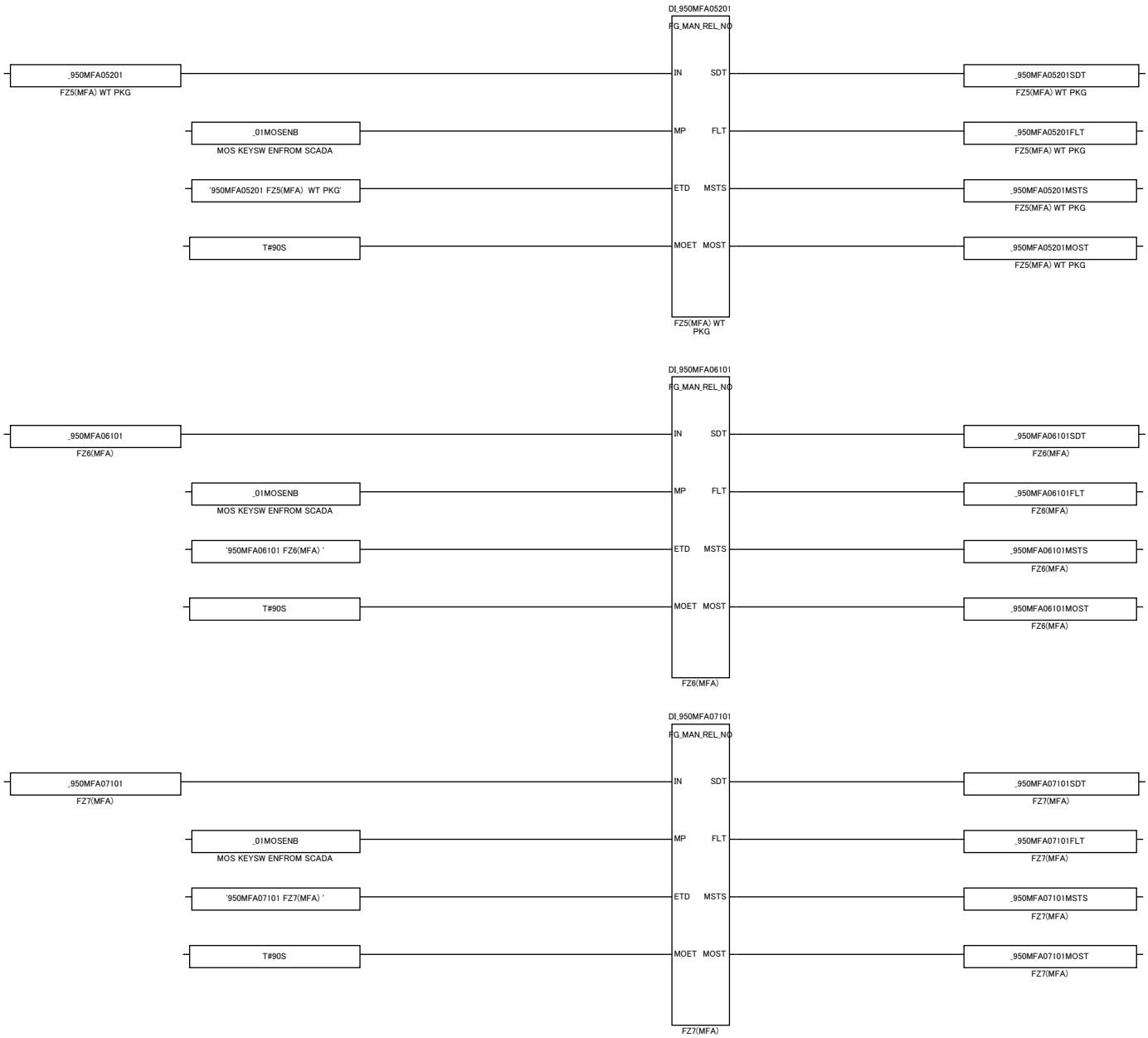




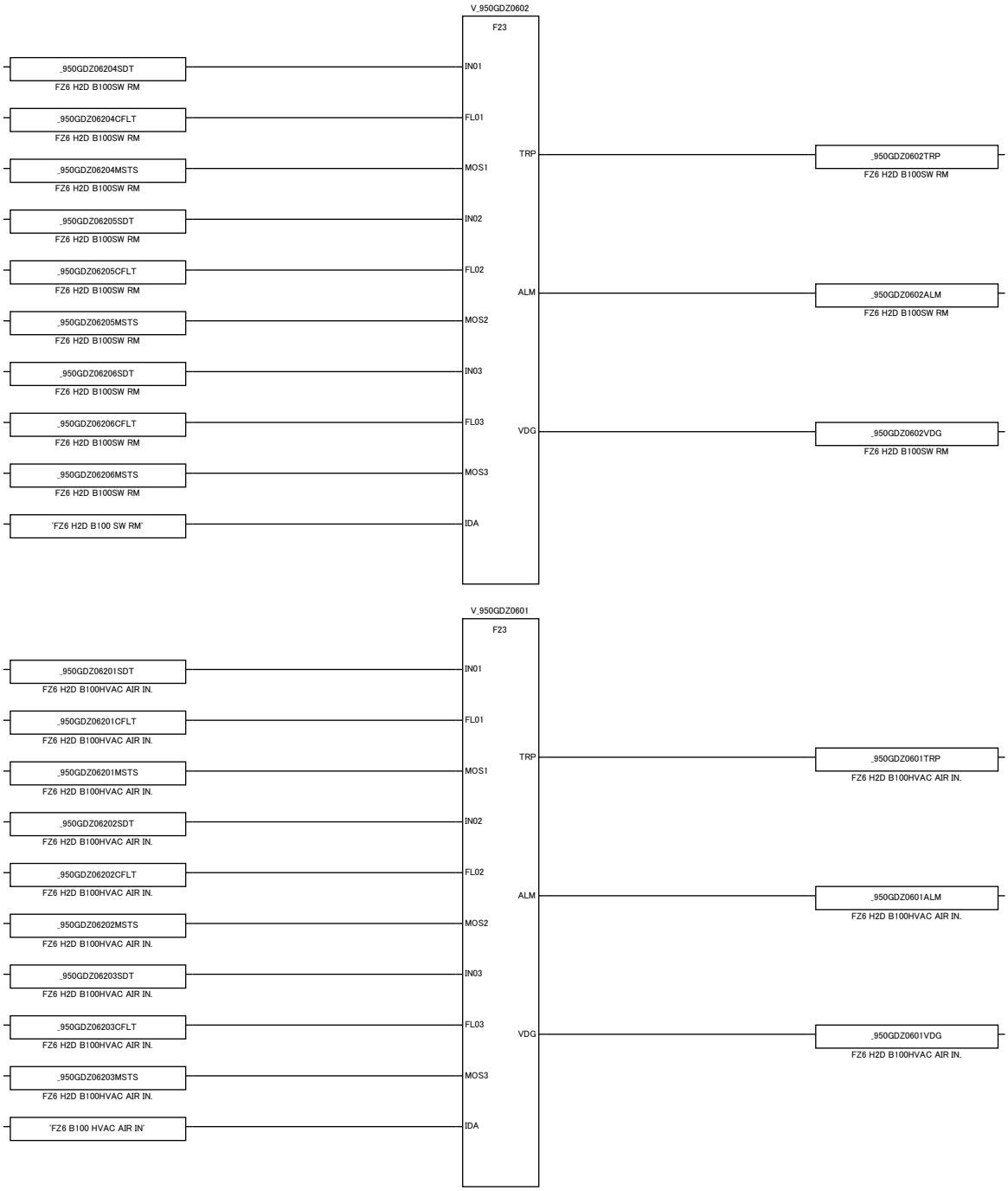


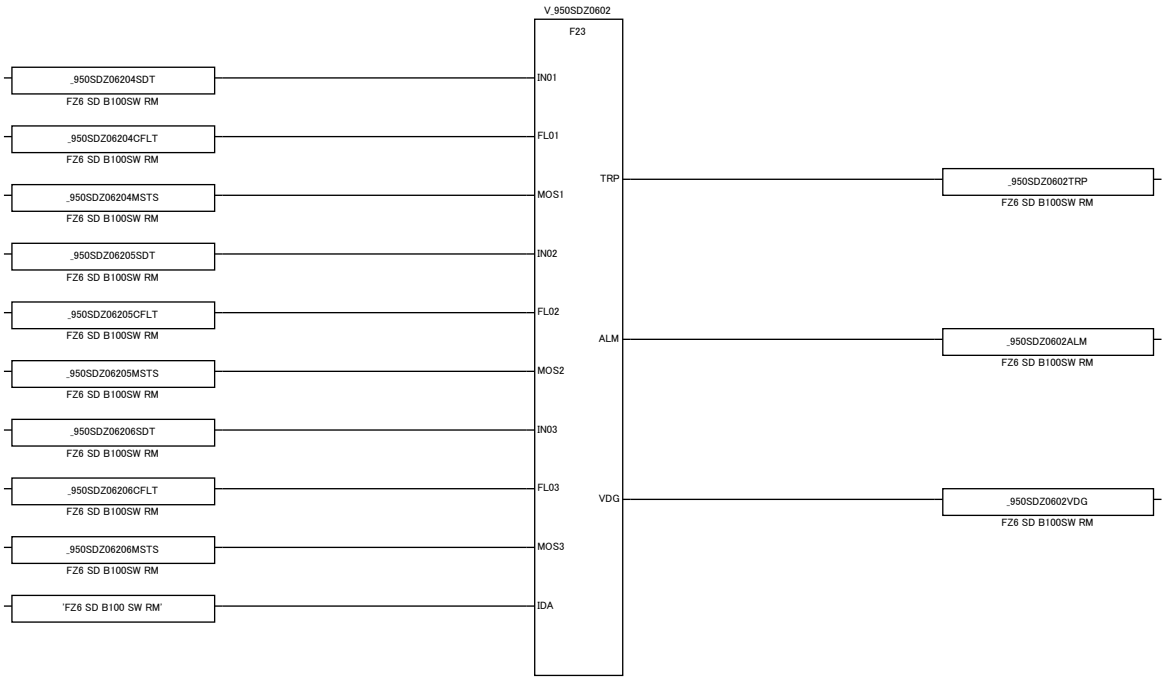


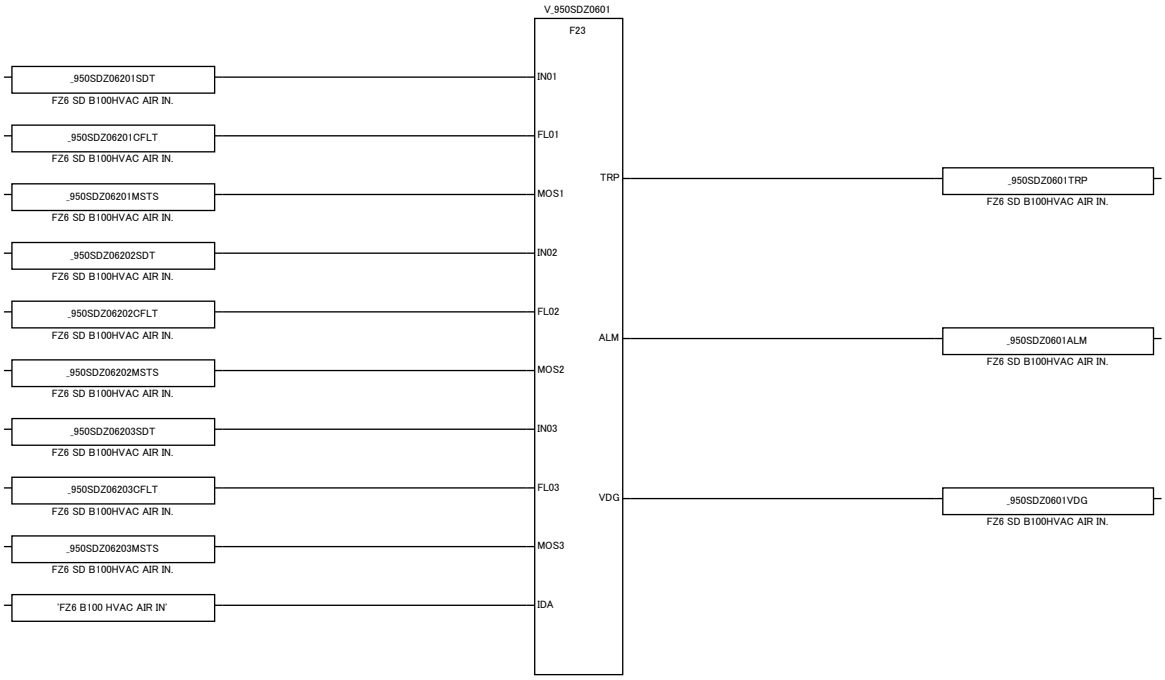
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 73
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

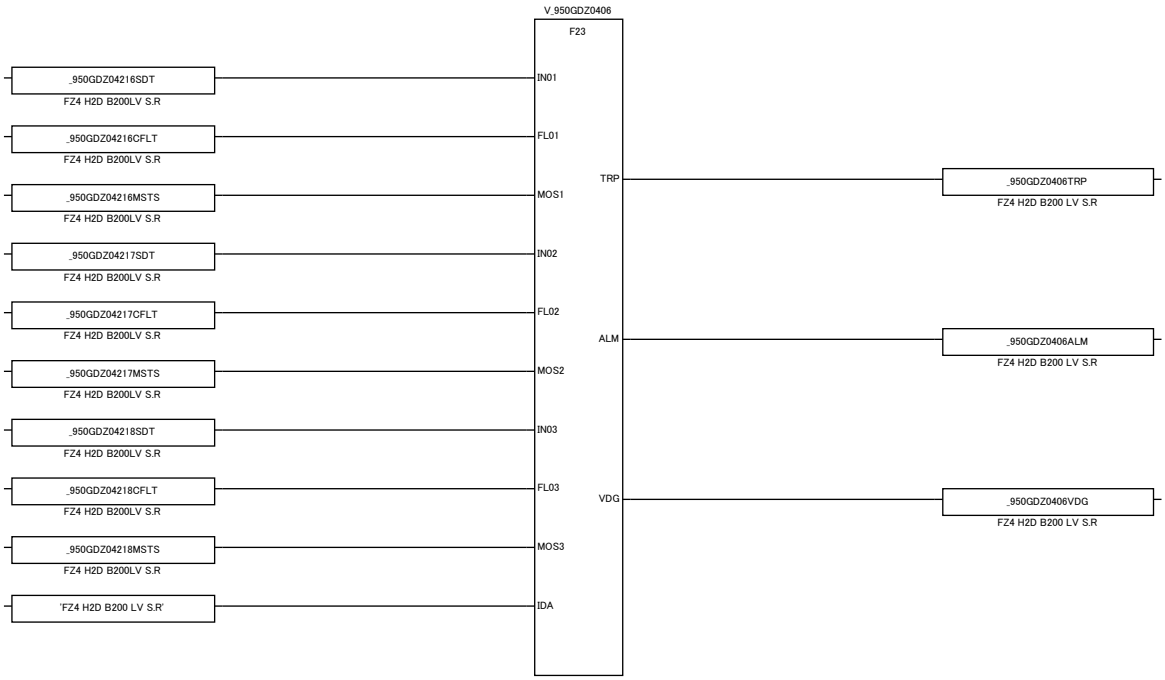

DI_950MFA05201
FG_MAN_REL_NO
_950MFA05201
FZ5(MFA) WT PKG
IN
SDT
_950MFA05201SDT
FZ5(MFA) WT PKG
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA05201FLT
FZ5(MFA) WT PKG
'950MFA05201 FZ5(MFA) WT PKG'
ETD
MSTS
_950MFA05201MSTS
FZ5(MFA) WT PKG
T#90S
MOET
MOST
_950MFA05201MOST
FZ5(MFA) WT PKG
FZ5(MFA) WT PKG
DI_950MFA06101
FG_MAN_REL_NO
_950MFA06101
FZ6(MFA)
IN
SDT
_950MFA06101SDT
FZ6(MFA)
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA06101FLT
FZ6(MFA)
'950MFA06101 FZ6(MFA) '
ETD
MSTS
_950MFA06101MSTS
FZ6(MFA)
T#90S
MOET
MOST
_950MFA06101MOST
FZ6(MFA)
FZ6(MFA)
DI_950MFA07101
FG_MAN_REL_NO
_950MFA07101
FZ7(MFA)
IN
SDT
_950MFA07101SDT
FZ7(MFA)
_01MOSENB
MOS KEYSW ENFROM SCADA
MP
FLT
_950MFA07101FLT
FZ7(MFA)
'950MFA07101 FZ7(MFA) '
ETD
MSTS
_950MFA07101MSTS
FZ7(MFA)
T#90S
MOET
MOST
_950MFA07101MOST
FZ7(MFA)
FZ7(MFA)

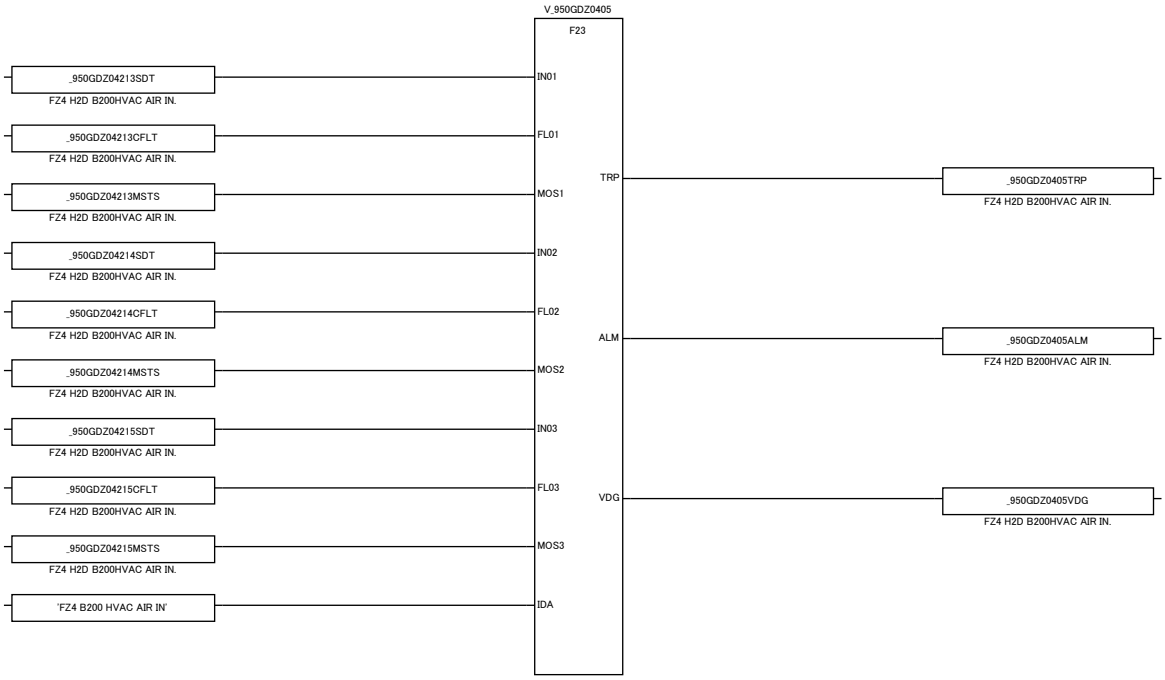
1.27. V2oo3_01(* Analog Input-Voting 2oo3 *)



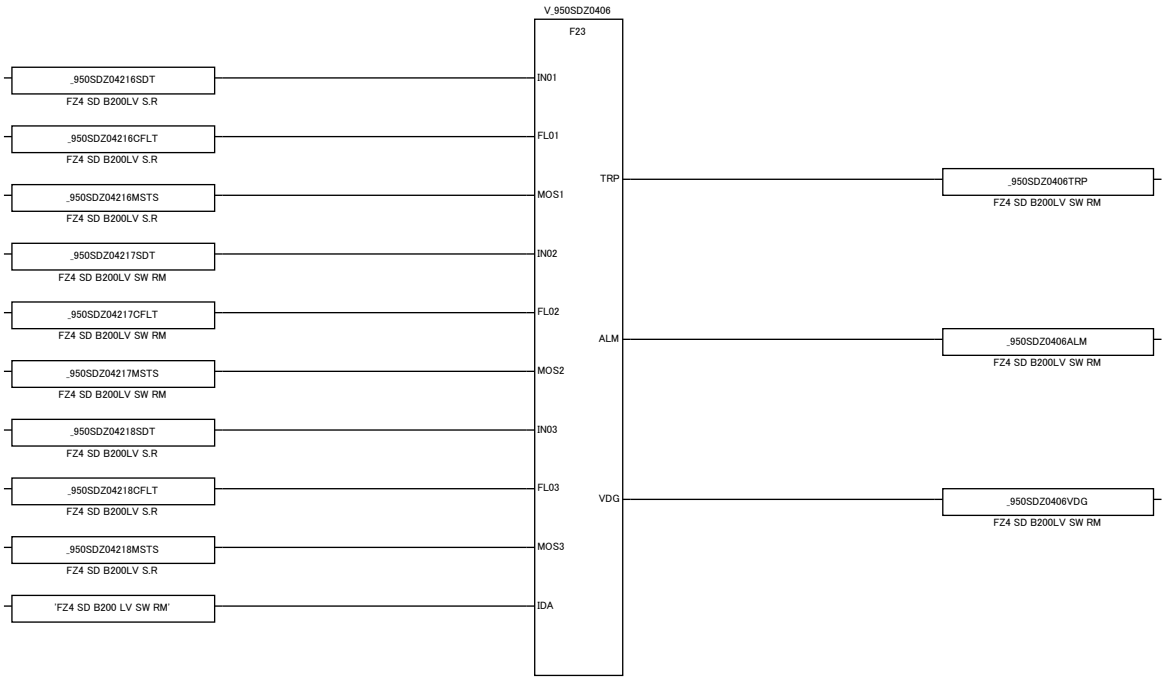

V_950SDZ0602
F23
_950SDZ06204SDT
FZ6 SD B100SW RM
IN01
_950SDZ06204CFLT
FZ6 SD B100SW RM
FL01
_950SDZ06204MSTS
FZ6 SD B100SW RM
MOS1
_950SDZ06205SDT
FZ6 SD B100SW RM
IN02
_950SDZ06205CFLT
FZ6 SD B100SW RM
FL02
_950SDZ06205MSTS
FZ6 SD B100SW RM
MOS2
_950SDZ06206SDT
FZ6 SD B100SW RM
IN03
_950SDZ06206CFLT
FZ6 SD B100SW RM
FL03
_950SDZ06206MSTS
FZ6 SD B100SW RM
MOS3
'FZ6 SD B100 SW RM'
IDA
TRP
_950SDZ0602TRP
FZ6 SD B100SW RM
ALM
_950SDZ0602ALM
FZ6 SD B100SW RM
VDG
_950SDZ0602VDG
FZ6 SD B100SW RM

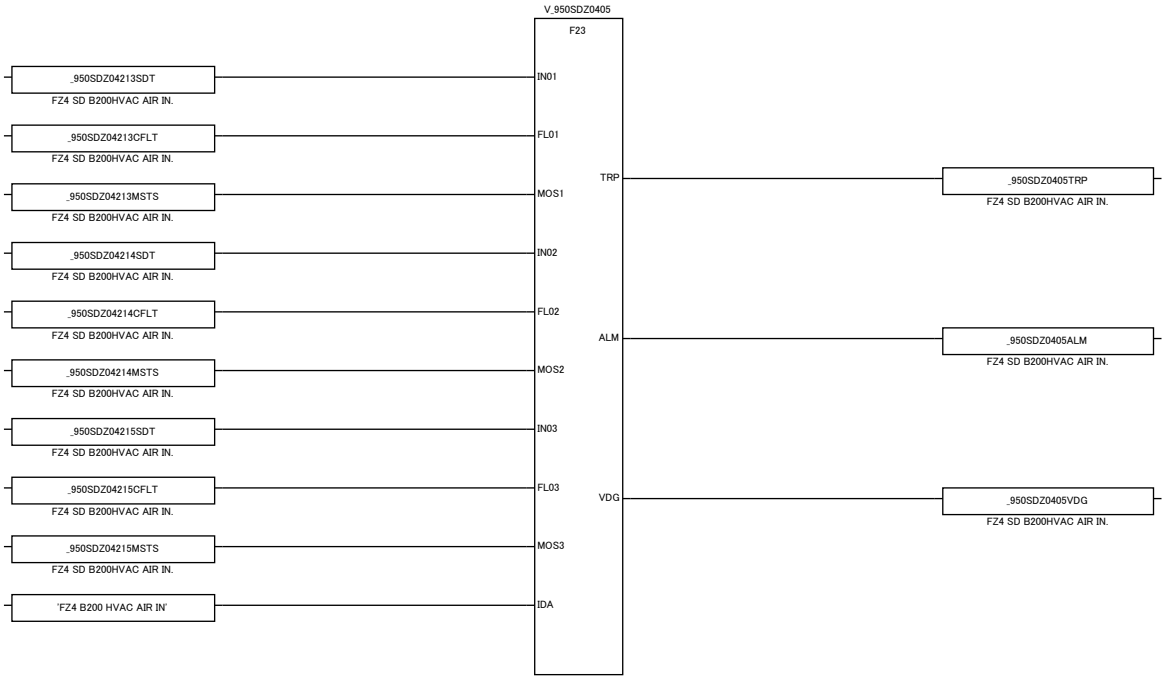

V_950SDZ0601
F23
_950SDZ06201SDT
FZ6 SD B100HVAC AIR IN.
IN01
_950SDZ06201CFLT
FZ6 SD B100HVAC AIR IN.
FL01
_950SDZ06201MSTS
FZ6 SD B100HVAC AIR IN.
MOS1
_950SDZ06202SDT
FZ6 SD B100HVAC AIR IN.
IN02
_950SDZ06202CFLT
FZ6 SD B100HVAC AIR IN.
FL02
_950SDZ06202MSTS
FZ6 SD B100HVAC AIR IN.
MOS2
_950SDZ06203SDT
FZ6 SD B100HVAC AIR IN.
IN03
_950SDZ06203CFLT
FZ6 SD B100HVAC AIR IN.
FL03
_950SDZ06203MSTS
FZ6 SD B100HVAC AIR IN.
MOS3
'FZ6 B100 HVAC AIR IN'
IDA
TRP
_950SDZ0601TRP
FZ6 SD B100HVAC AIR IN.
ALM
_950SDZ0601ALM
FZ6 SD B100HVAC AIR IN.
VDG
_950SDZ0601VDG
FZ6 SD B100HVAC AIR IN.

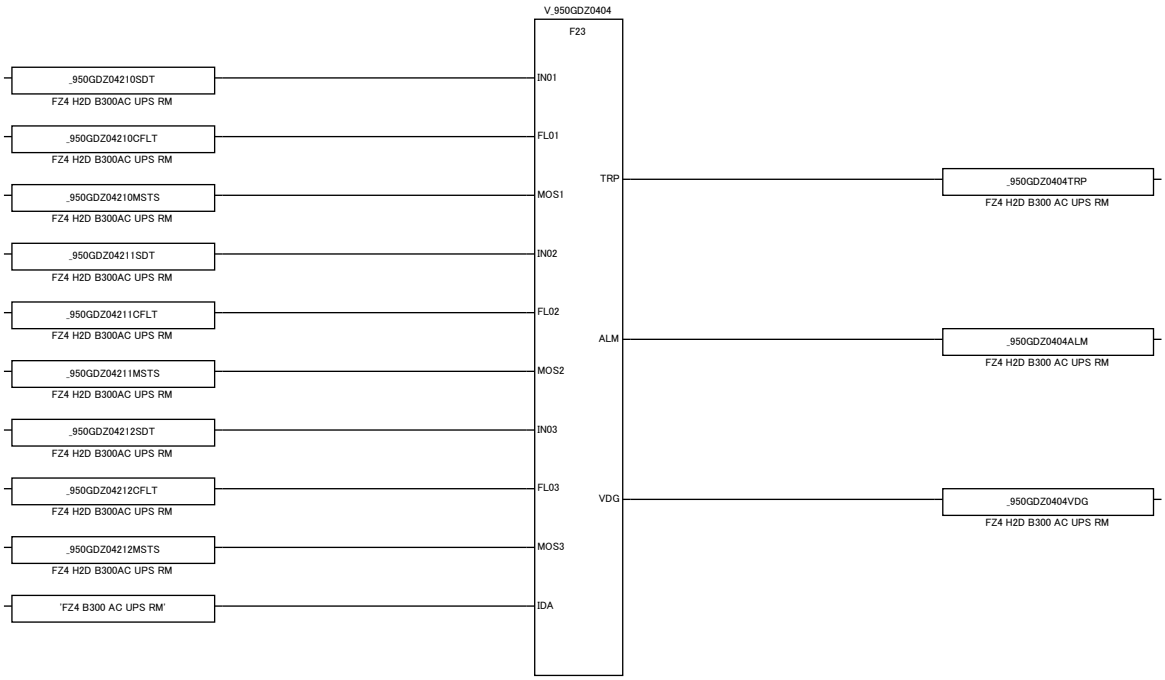


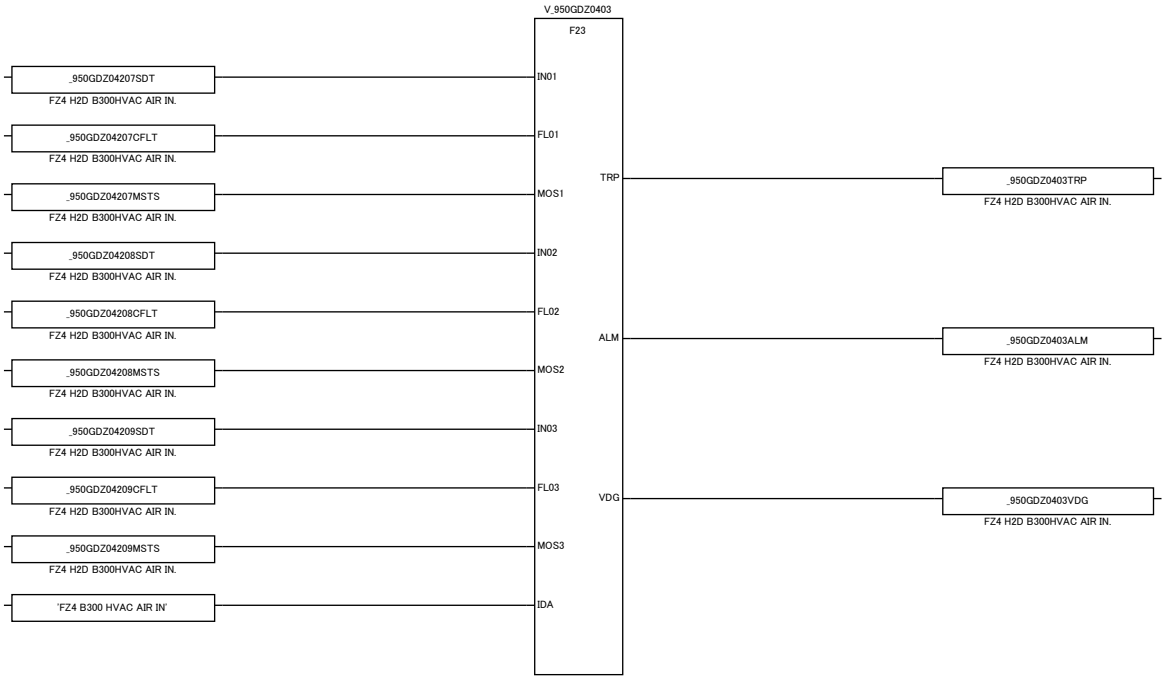


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 77
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		


V_950SDZ0406
F23
_950SDZ04216SDT
FZ4 SD B200LV S.R
_950SDZ04216CFLT
FZ4 SD B200LV S.R
_950SDZ04216MSTS
FZ4 SD B200LV S.R
_950SDZ04217SDT
FZ4 SD B200LV SW RM
_950SDZ04217CFLT
FZ4 SD B200LV SW RM
_950SDZ04217MSTS
FZ4 SD B200LV SW RM
_950SDZ04218SDT
FZ4 SD B200LV S.R
_950SDZ04218CFLT
FZ4 SD B200LV S.R
_950SDZ04218MSTS
FZ4 SD B200LV S.R
'FZ4 SD B200 LV SW RM'
IN01
FL01
MOS1
IN02
FL02
MOS2
IN03
FL03
MOS3
IDA
TRP
ALM
VDG
_950SDZ0406TRP
FZ4 SD B200LV SW RM
_950SDZ0406ALM
FZ4 SD B200LV SW RM
_950SDZ0406VDG
FZ4 SD B200LV SW RM

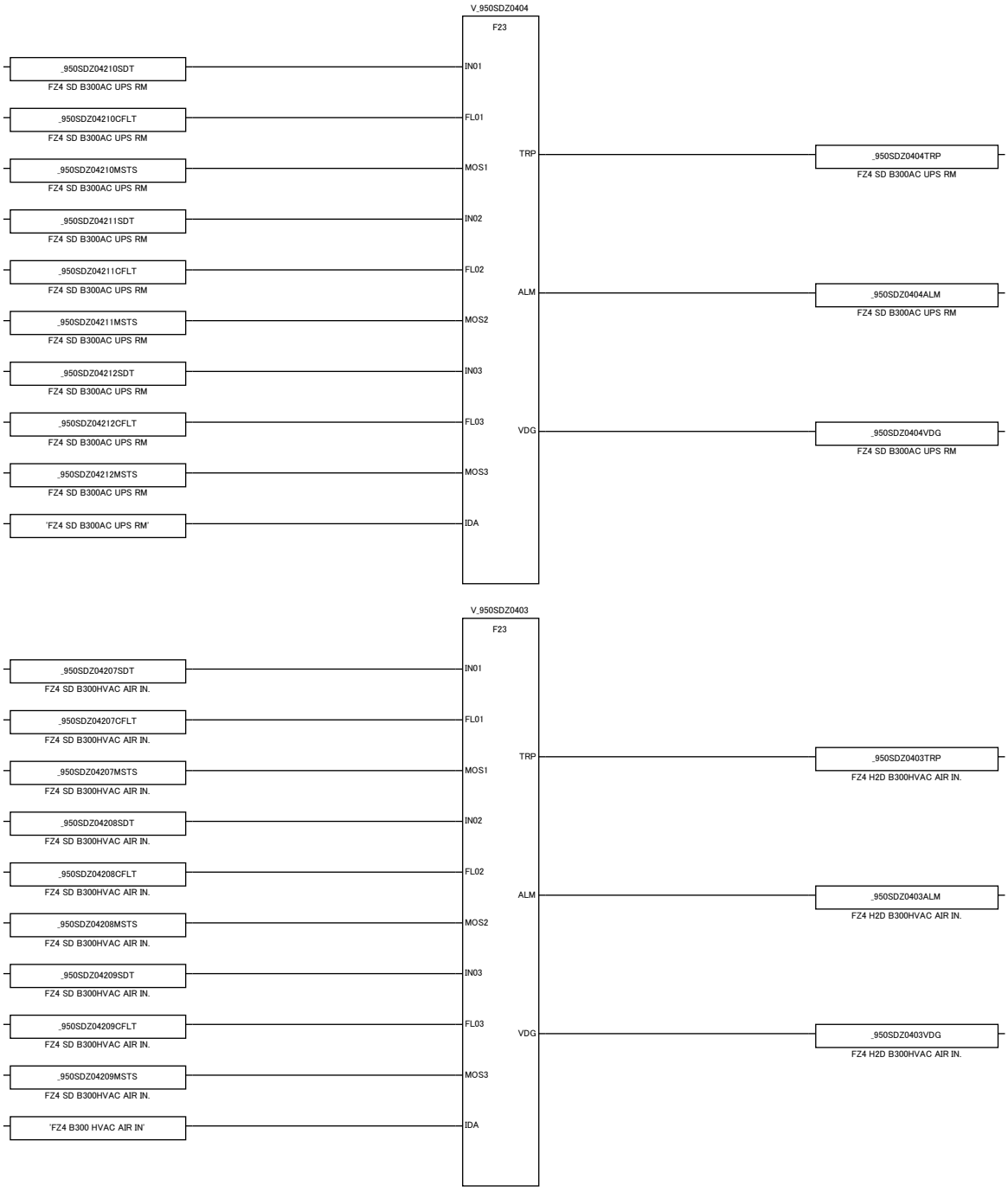

V_950SDZ0405
F23
_950SDZ04213SDT
FZ4 SD B200HVAC AIR IN.
_950SDZ04213CFLT
FZ4 SD B200HVAC AIR IN.
_950SDZ04213MSTS
FZ4 SD B200HVAC AIR IN.
_950SDZ04214SDT
FZ4 SD B200HVAC AIR IN.
_950SDZ04214CFLT
FZ4 SD B200HVAC AIR IN.
_950SDZ04214MSTS
FZ4 SD B200HVAC AIR IN.
_950SDZ04215SDT
FZ4 SD B200HVAC AIR IN.
_950SDZ04215CFLT
FZ4 SD B200HVAC AIR IN.
_950SDZ04215MSTS
FZ4 SD B200HVAC AIR IN.
'FZ4 B200 HVAC AIR IN'
IN01
FL01
MOS1
IN02
FL02
MOS2
IN03
FL03
MOS3
IDA
TRP
ALM
VDG
_950SDZ0405TRP
FZ4 SD B200HVAC AIR IN.
_950SDZ0405ALM
FZ4 SD B200HVAC AIR IN.
_950SDZ0405VDG
FZ4 SD B200HVAC AIR IN.

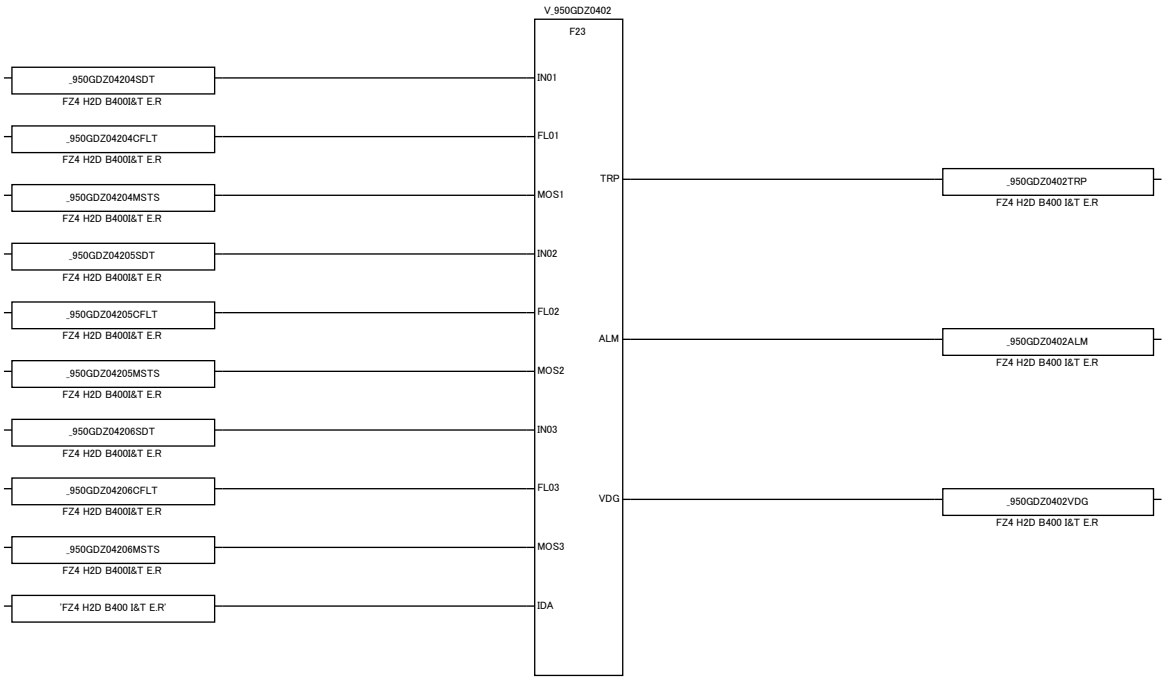


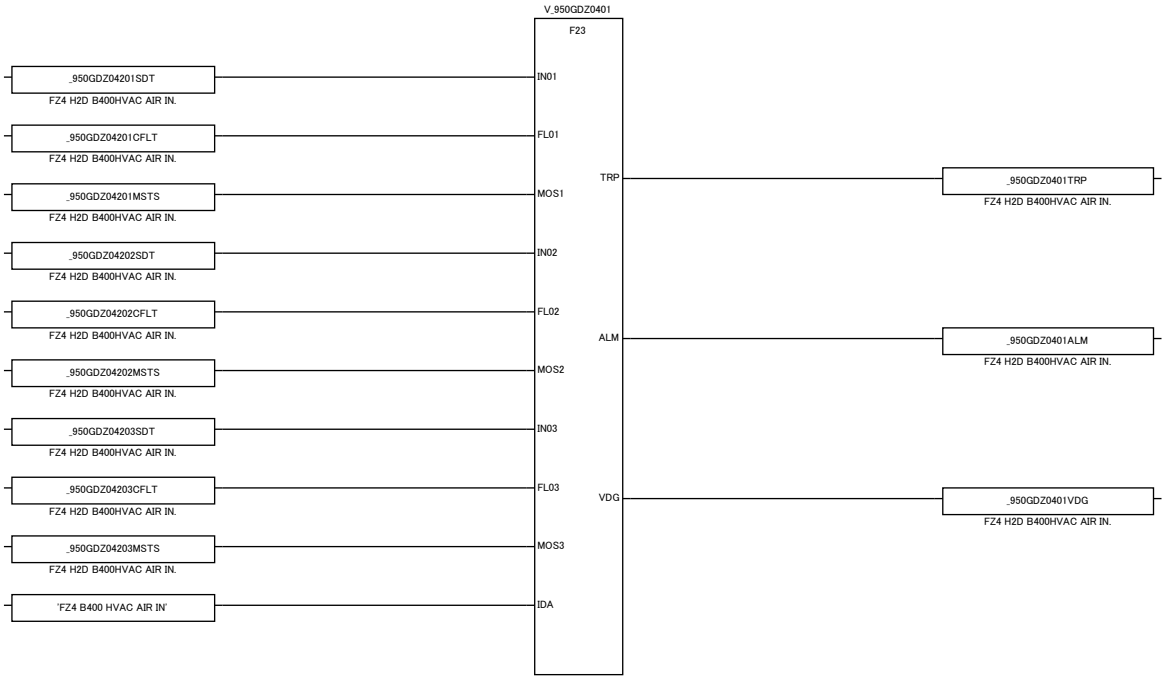


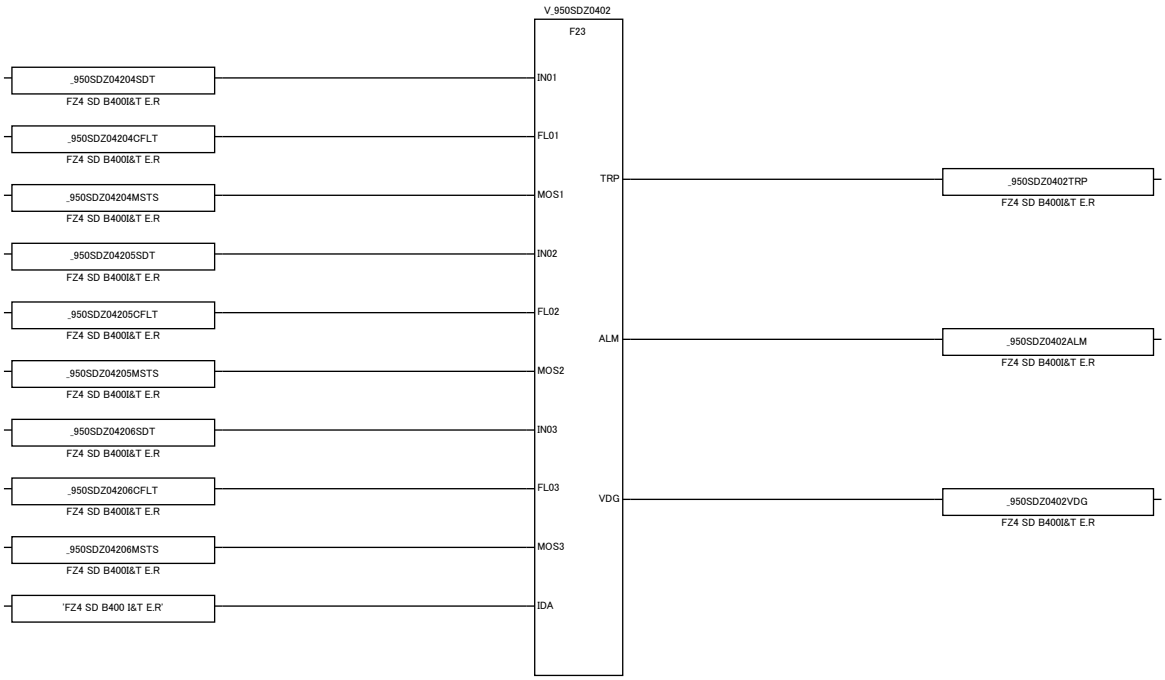
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 79
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

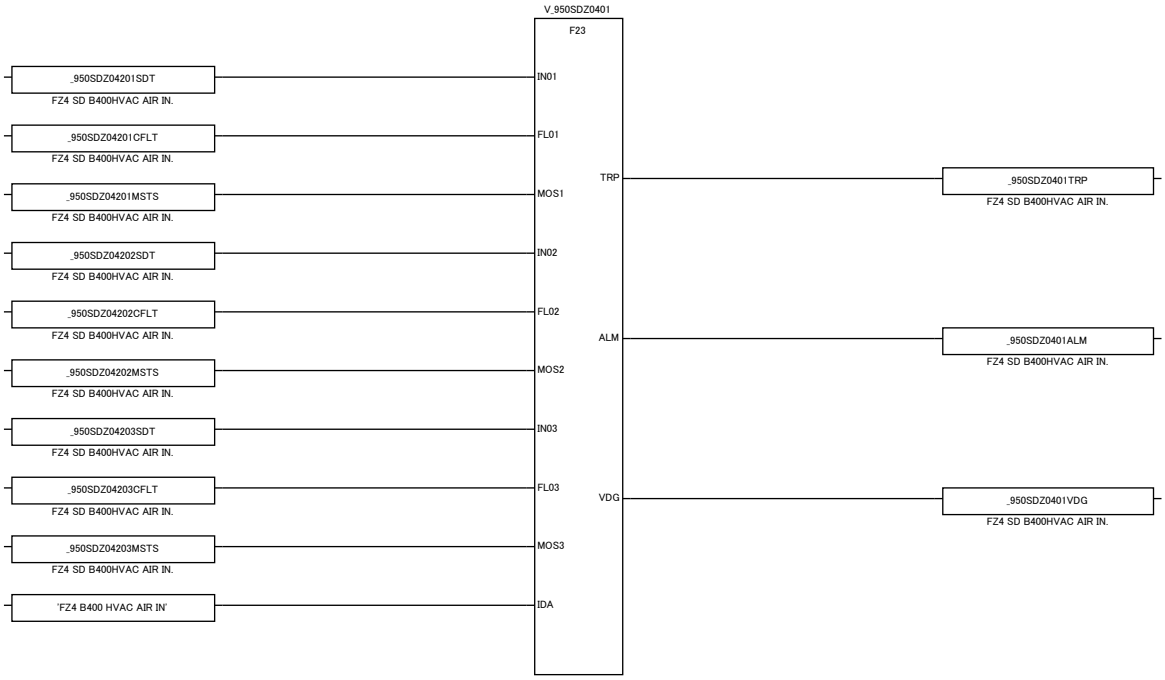
1.28. V2oo3_02(* Analog Input-Voting 2oo3 *)



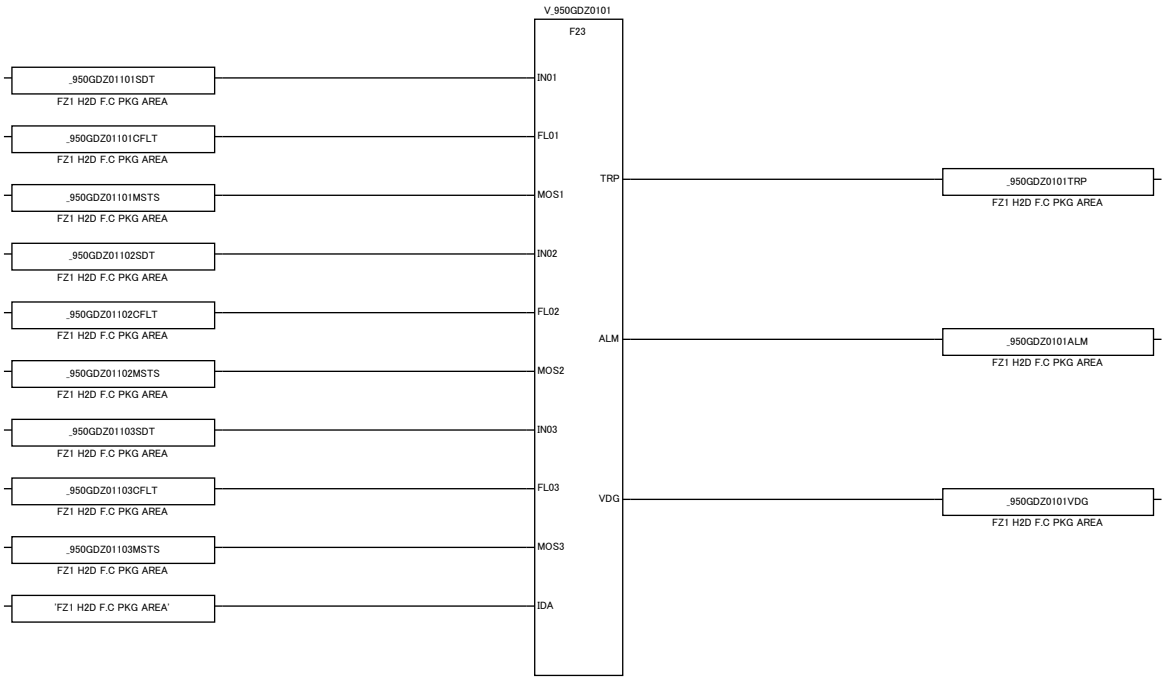

V_950GDZ0402
F23
_950GDZ04204SDT
FZ4 H2D B400I&T E.R
_950GDZ04204CFLT
FZ4 H2D B400I&T E.R
_950GDZ04204MSTS
FZ4 H2D B400I&T E.R
_950GDZ04205SDT
FZ4 H2D B400I&T E.R
_950GDZ04205CFLT
FZ4 H2D B400I&T E.R
_950GDZ04205MSTS
FZ4 H2D B400I&T E.R
_950GDZ04206SDT
FZ4 H2D B400I&T E.R
_950GDZ04206CFLT
FZ4 H2D B400I&T E.R
_950GDZ04206MSTS
FZ4 H2D B400I&T E.R
'FZ4 H2D B400 I&T E.R'
IN01
FL01
MOS1
IN02
FL02
MOS2
IN03
FL03
MOS3
IDA
TRP
ALM
VDG
_950GDZ0402TRP
FZ4 H2D B400 I&T E.R
_950GDZ0402ALM
FZ4 H2D B400 I&T E.R
_950GDZ0402VDG
FZ4 H2D B400 I&T E.R

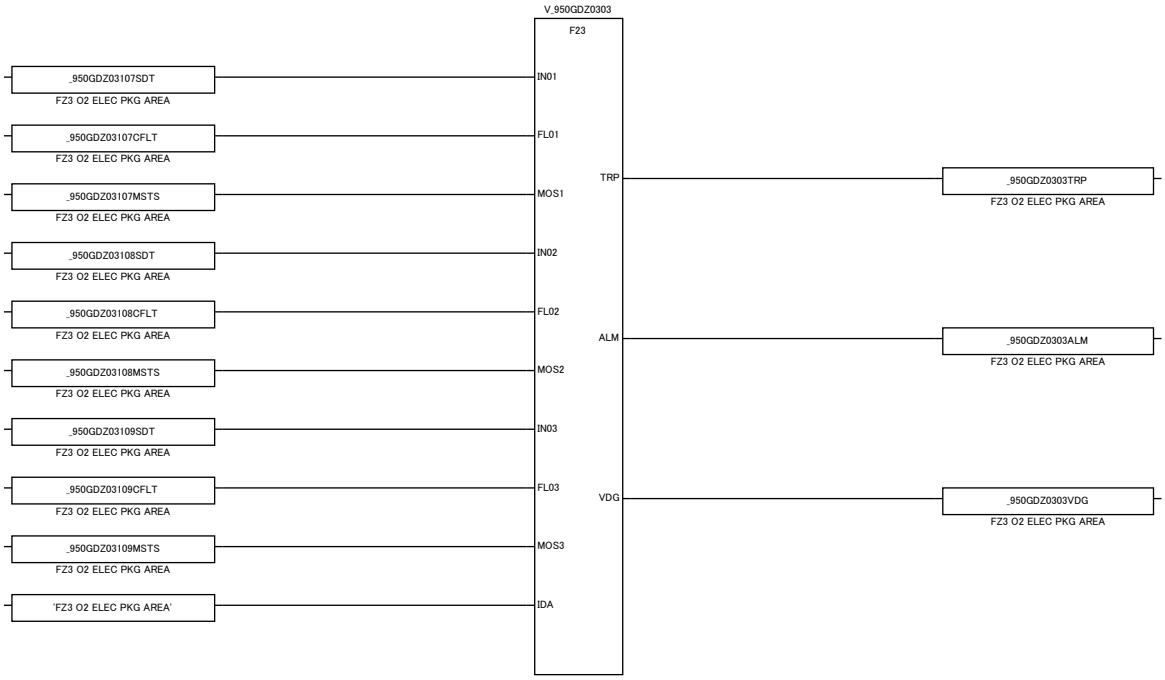

V_950GDZ0401
F23
_950GDZ04201SDT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04201CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04201MSTS
FZ4 H2D B400HVAC AIR IN.
_950GDZ04202SDT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04202CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04202MSTS
FZ4 H2D B400HVAC AIR IN.
_950GDZ04203SDT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04203CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04203MSTS
FZ4 H2D B400HVAC AIR IN.
'FZ4 B400 HVAC AIR IN'
IN01
FL01
MOS1
IN02
FL02
MOS2
IN03
FL03
MOS3
IDA
TRP
ALM
VDG
_950GDZ0401TRP
FZ4 H2D B400HVAC AIR IN.
_950GDZ0401ALM
FZ4 H2D B400HVAC AIR IN.
_950GDZ0401VDG
FZ4 H2D B400HVAC AIR IN.





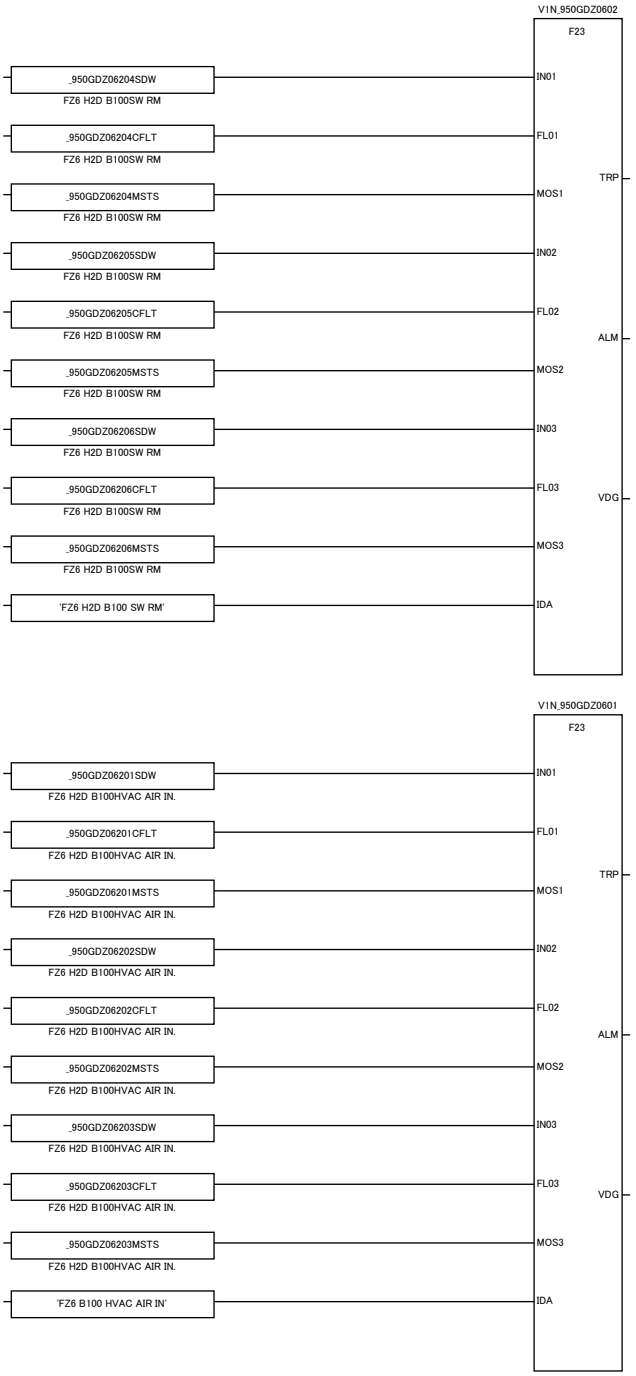
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 82
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

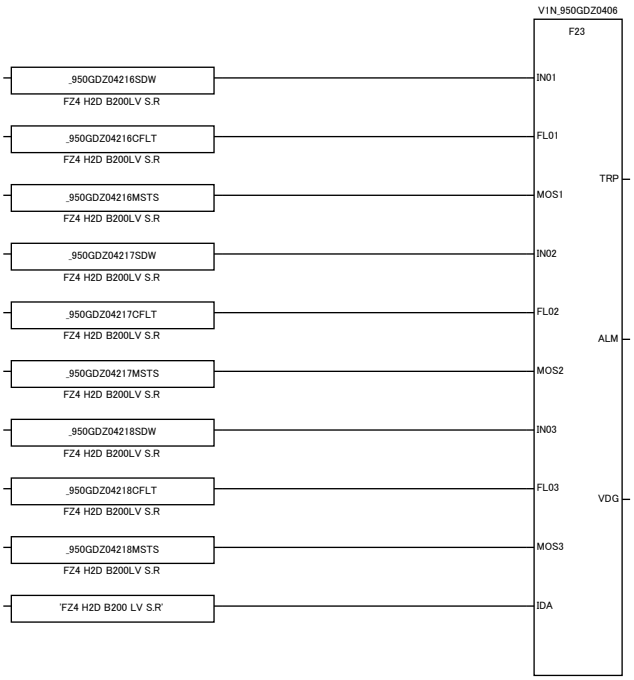


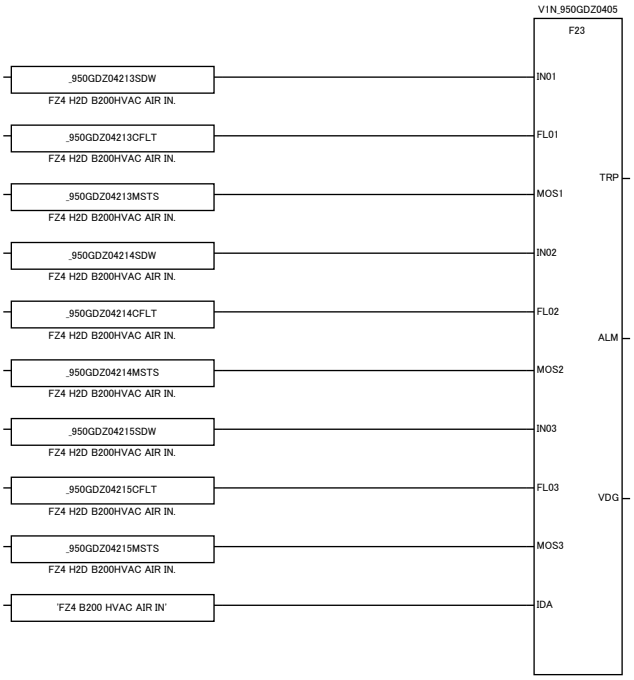


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 83
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

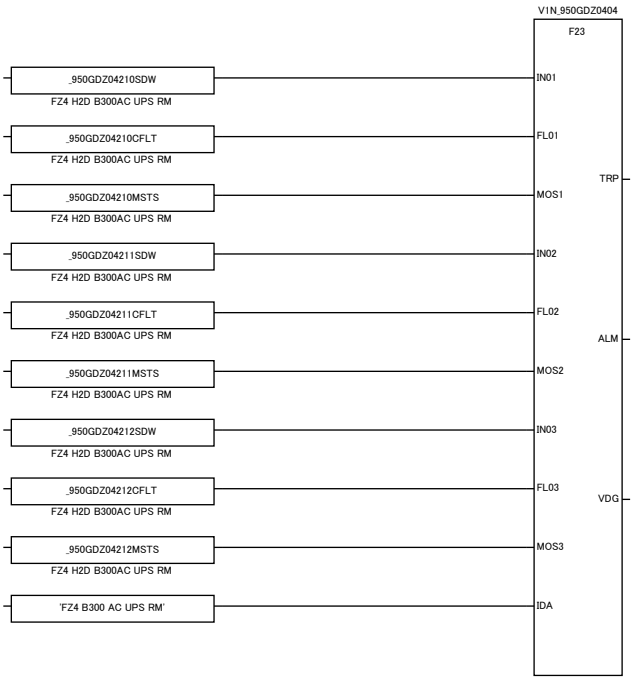
1.29. V1oo3_01(* Analog Input-Voting 1oo3 *)

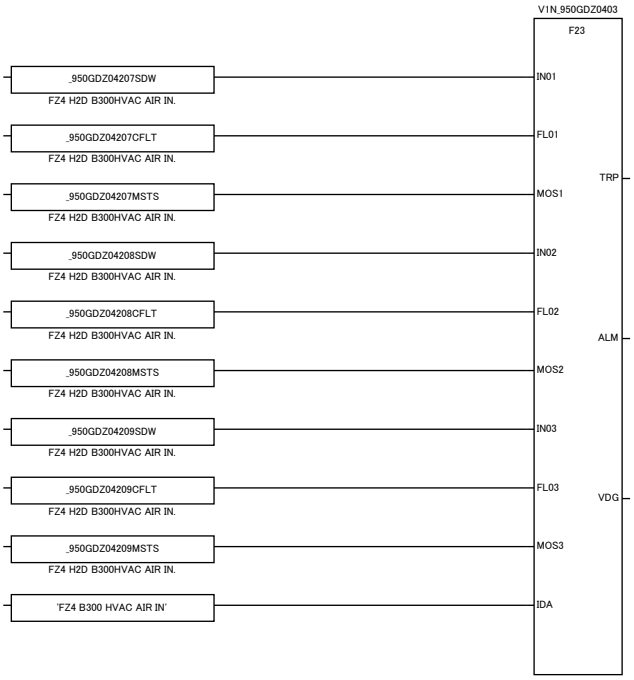




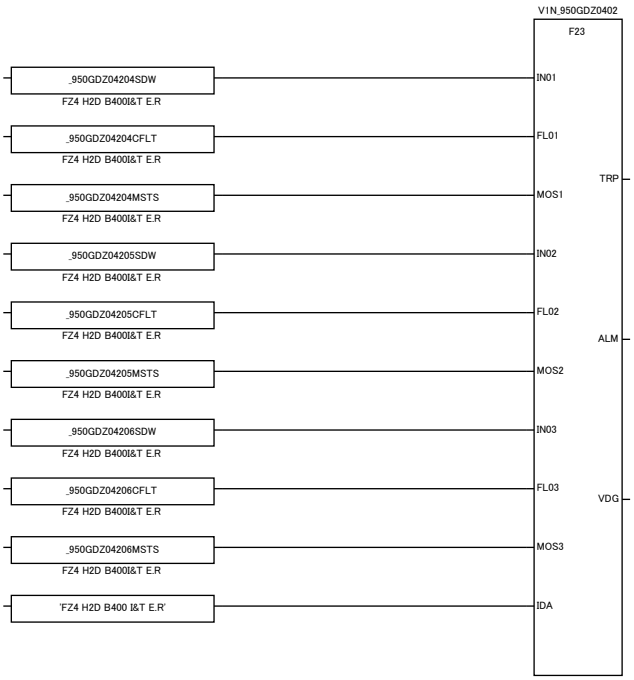


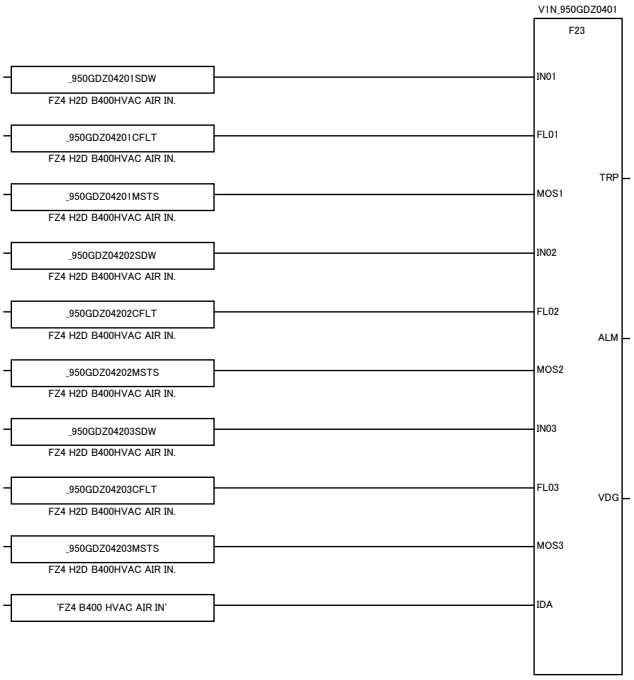
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 85
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



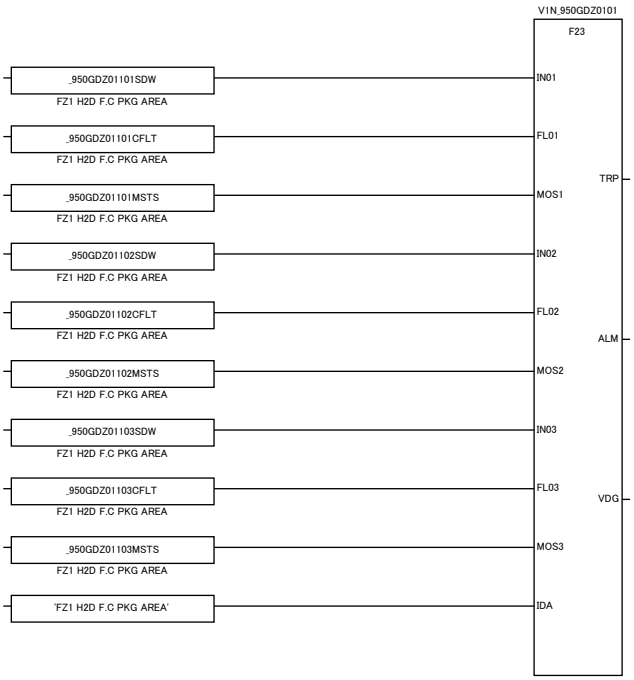


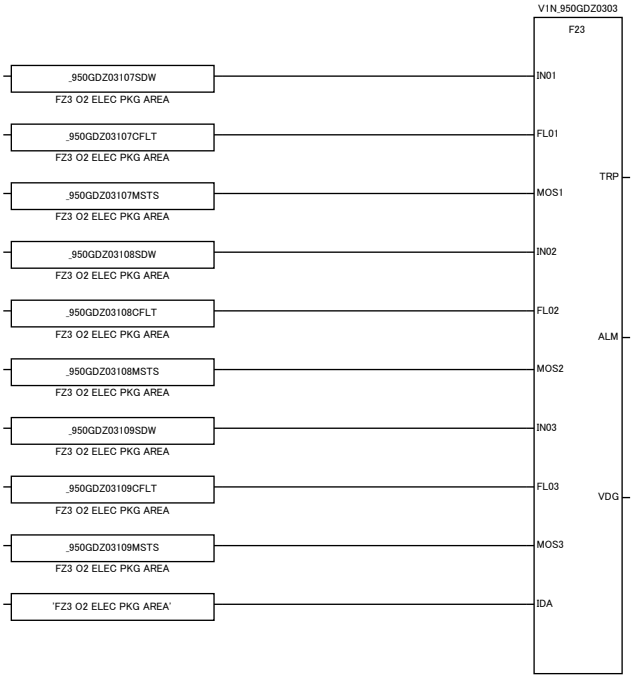
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 86
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		





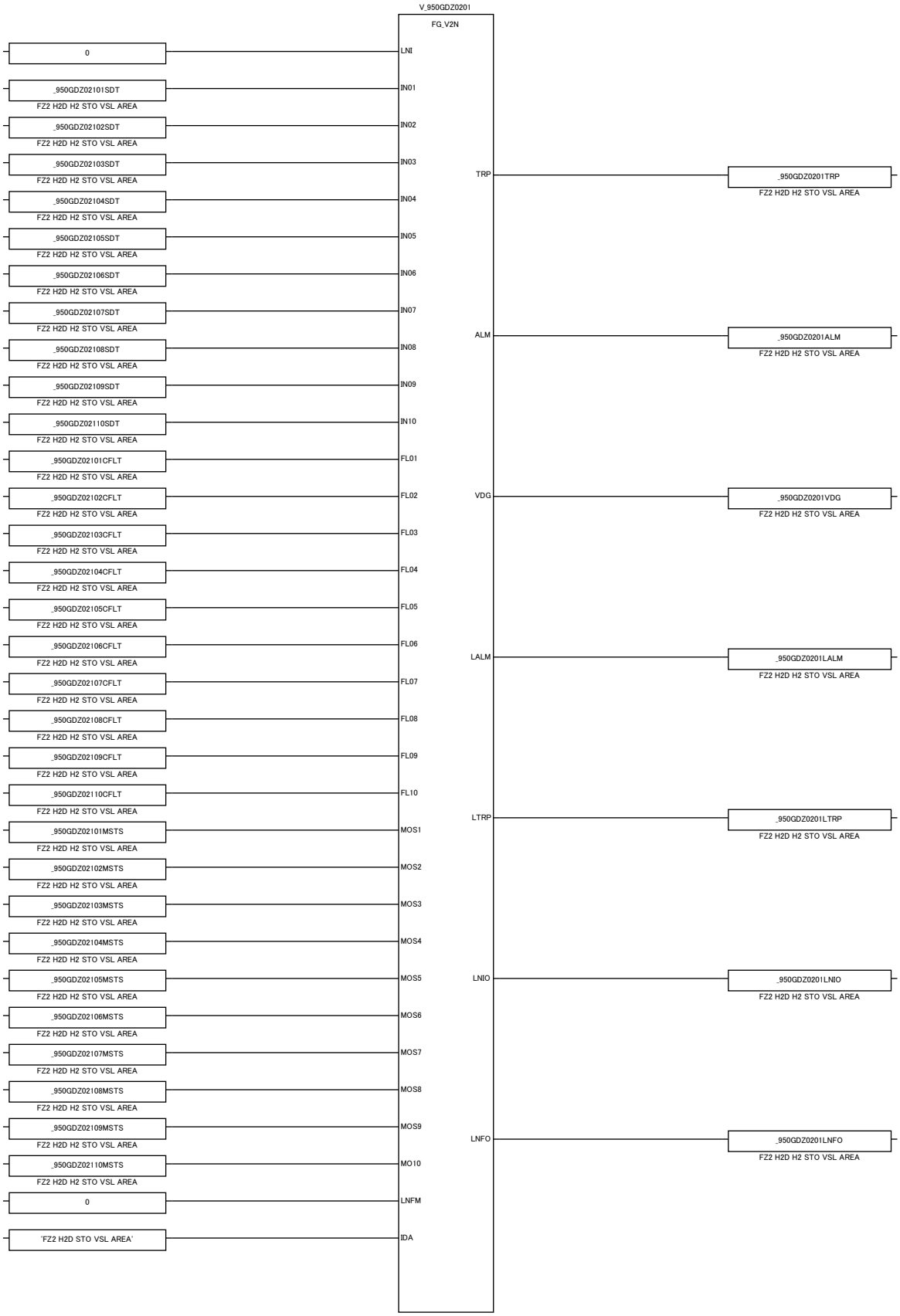
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 87
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		





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		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

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





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		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

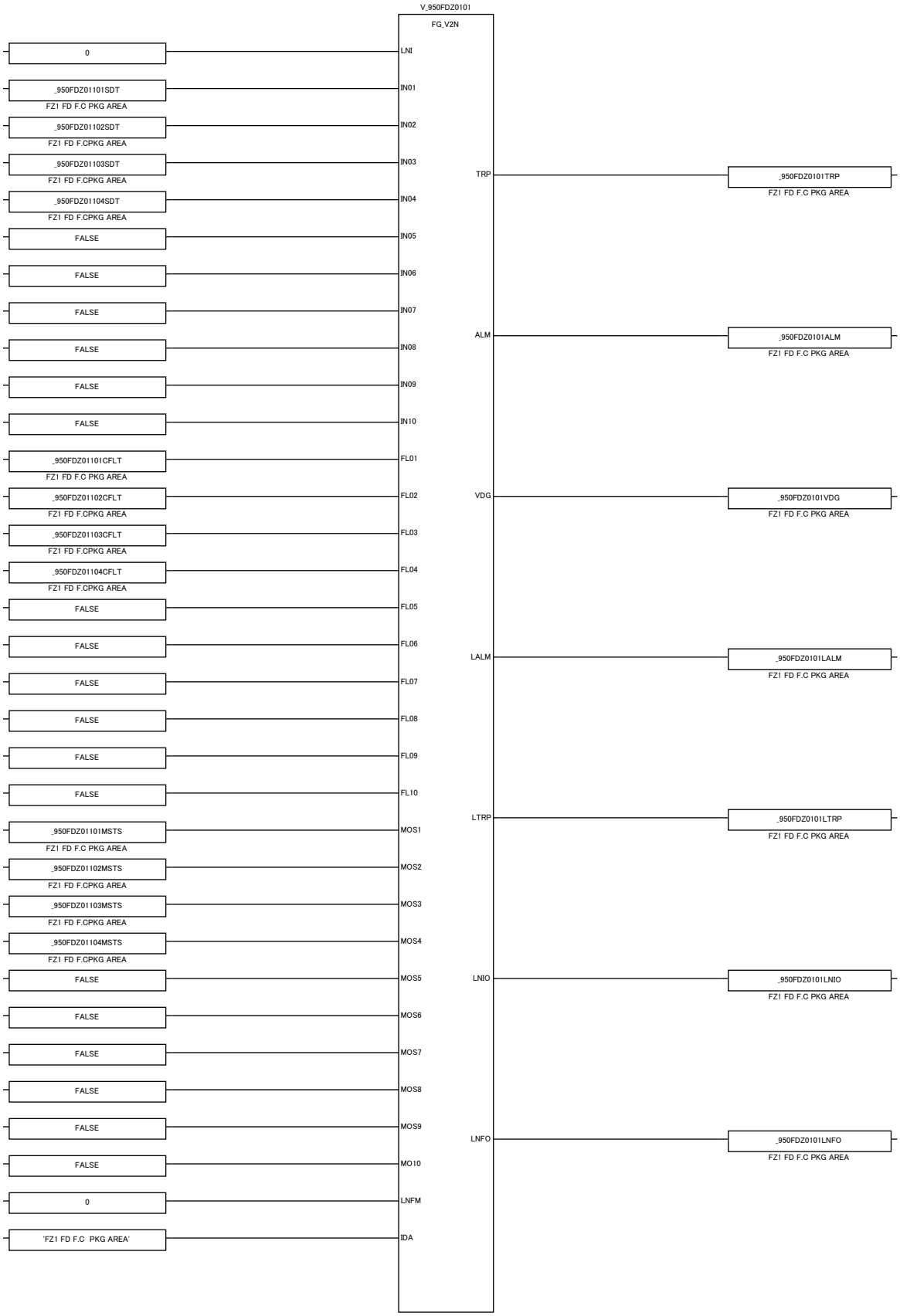


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 91
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



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		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

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



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		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



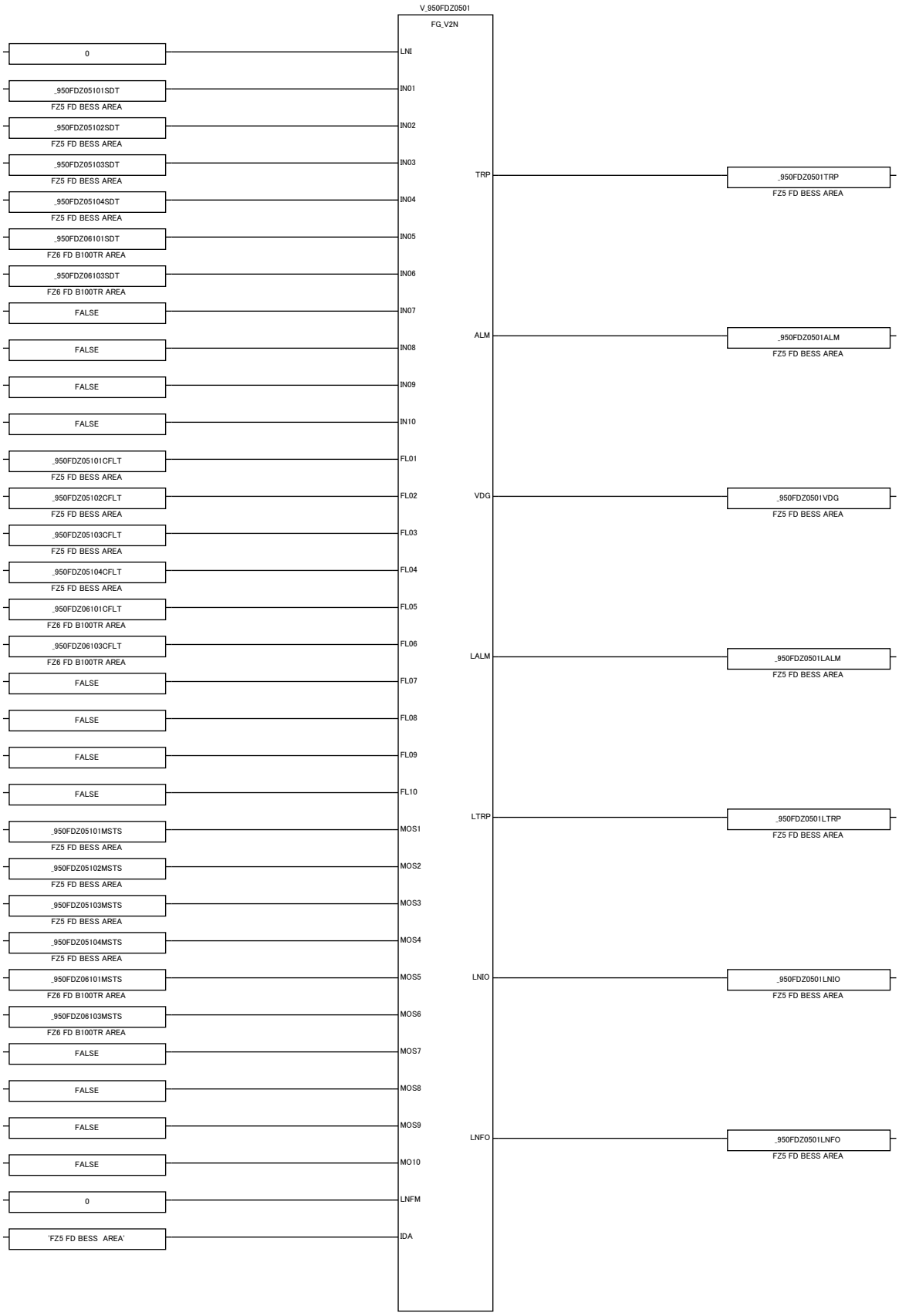
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 94
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



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		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

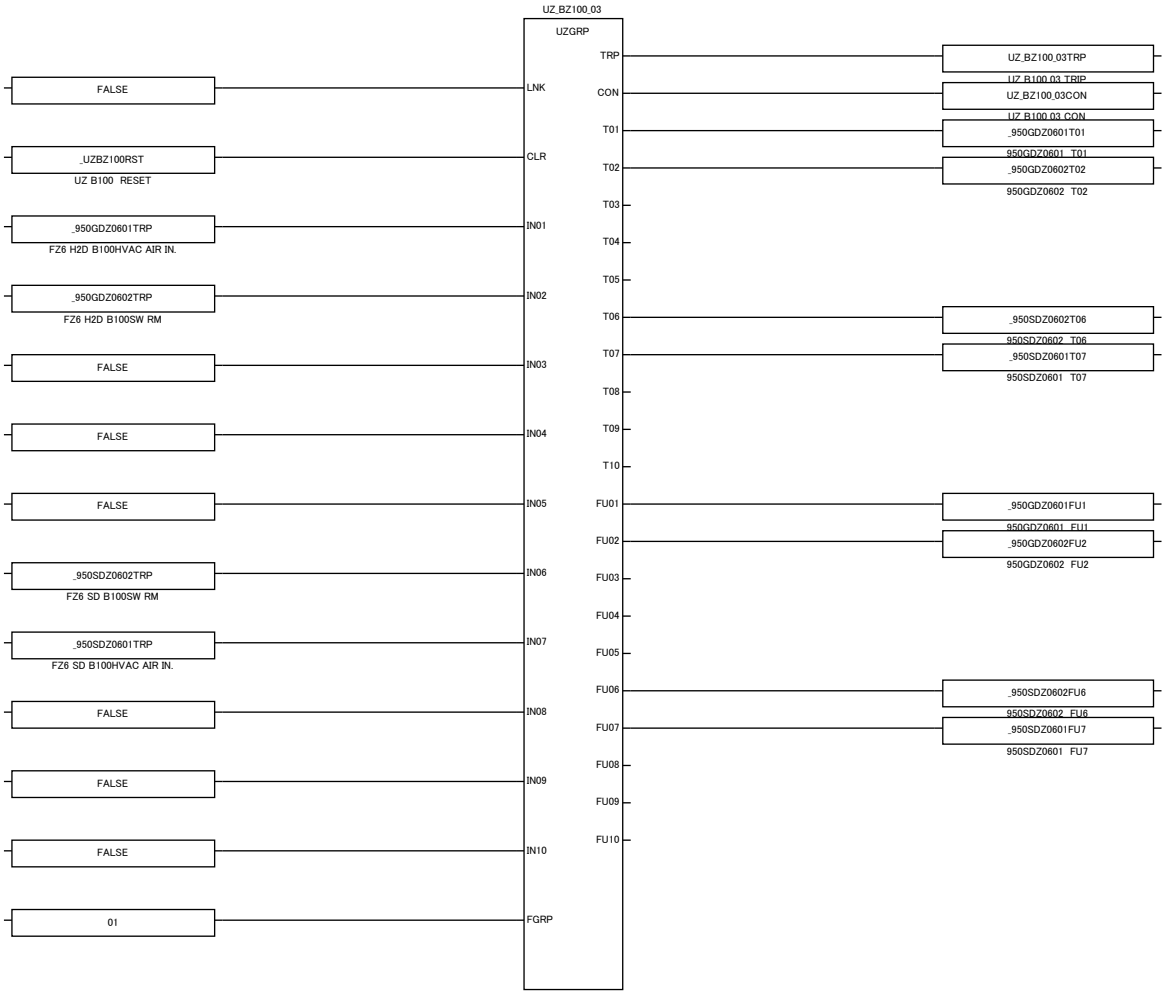


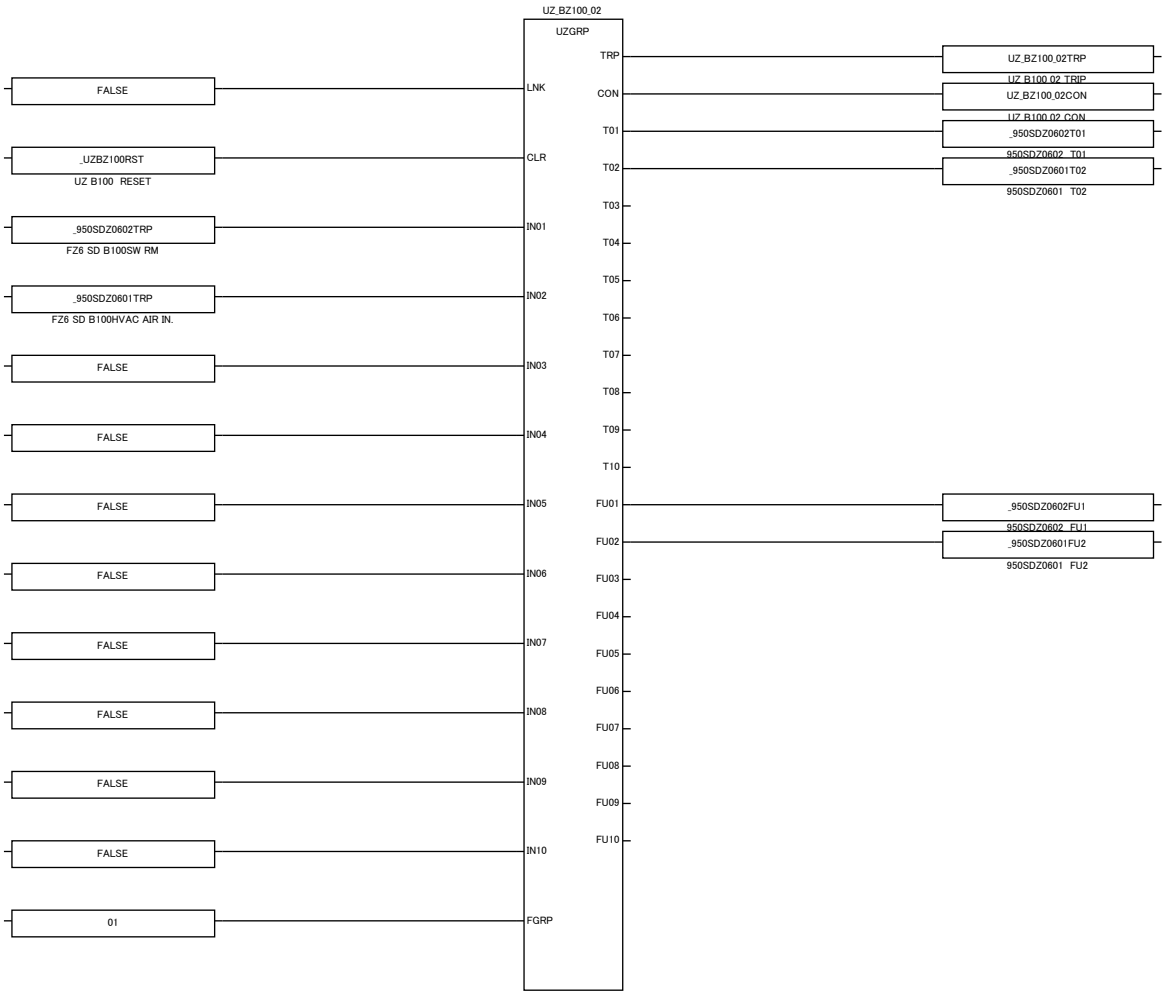
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 96
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



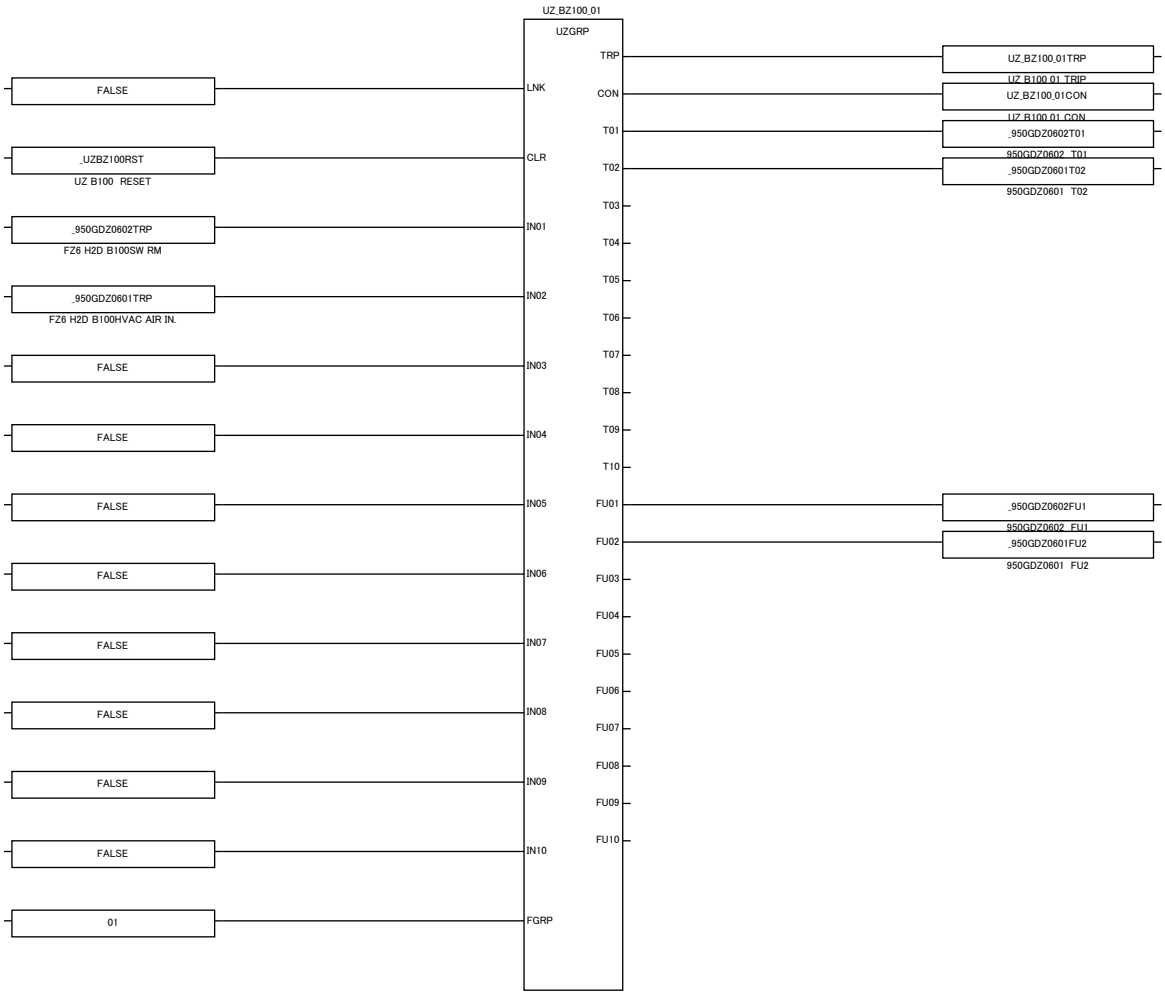
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 97
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

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

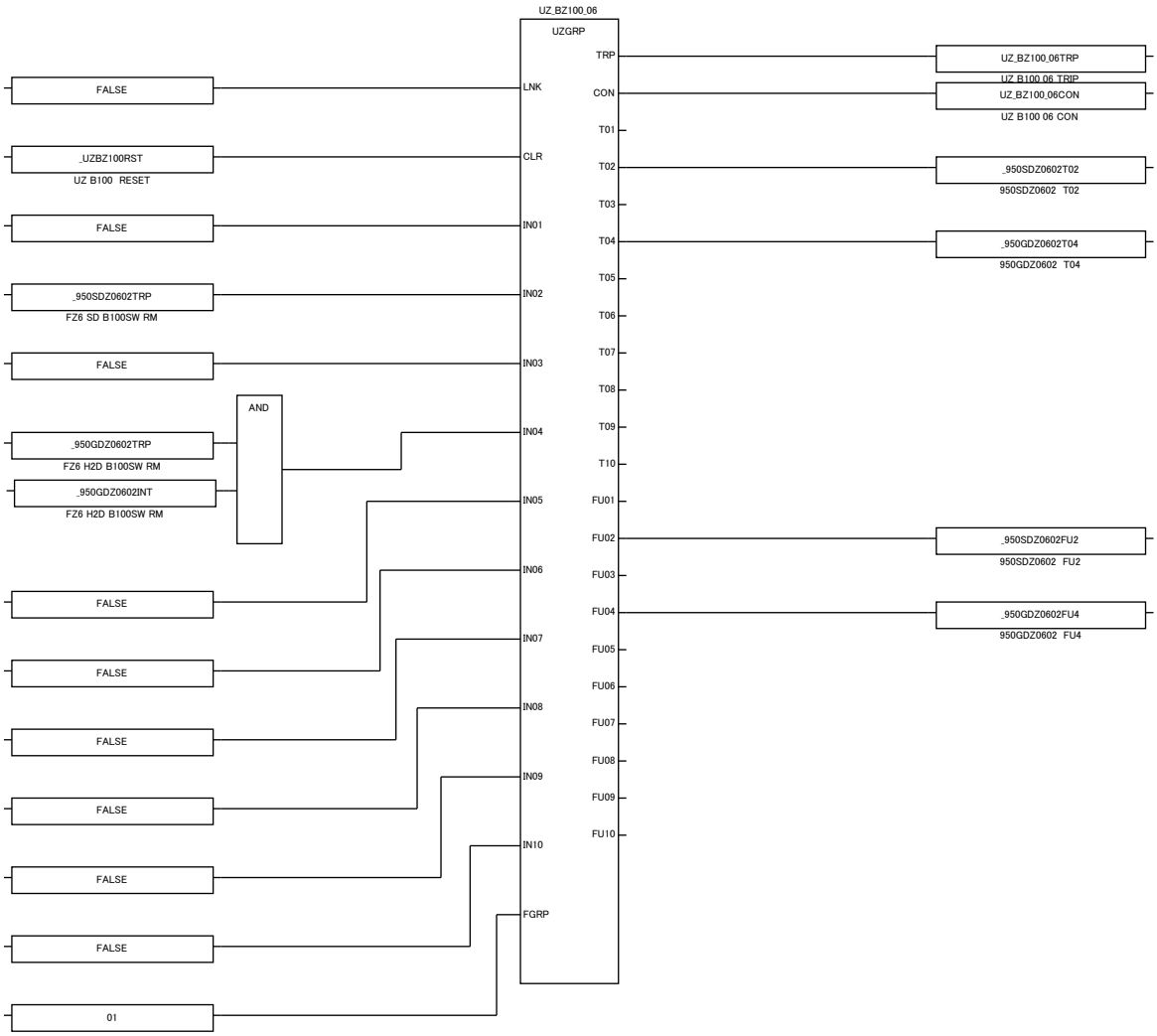




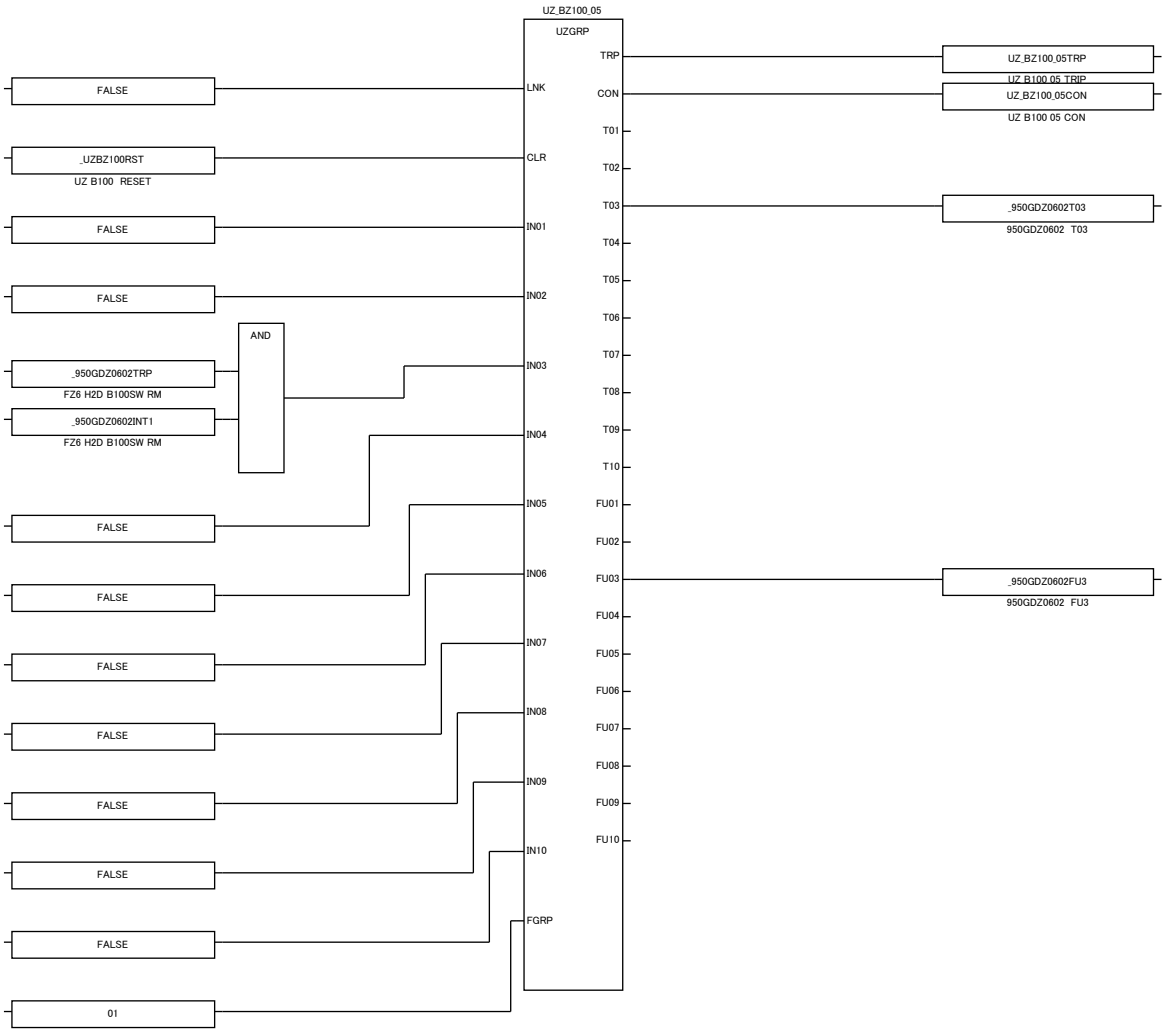
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 99
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



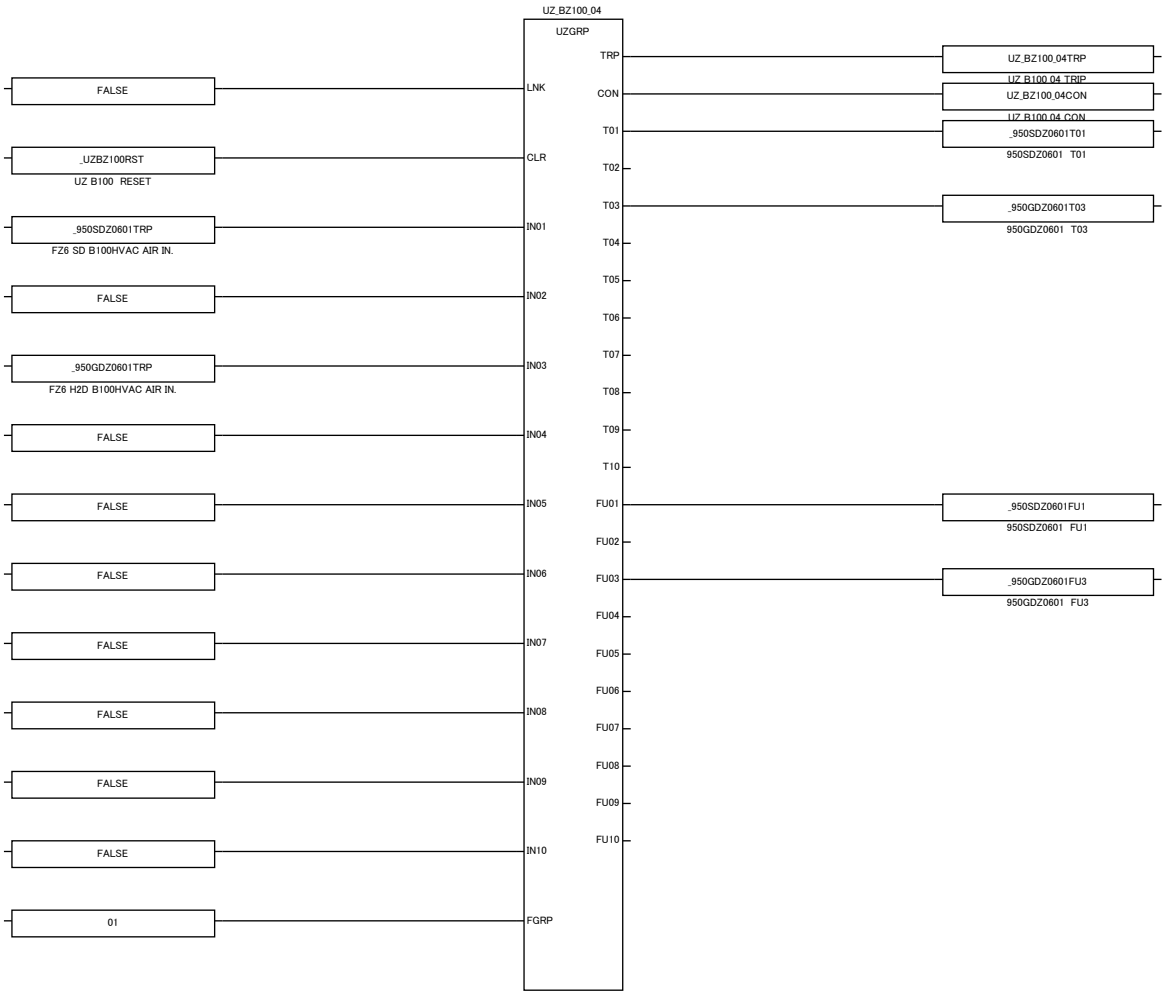
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 100
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



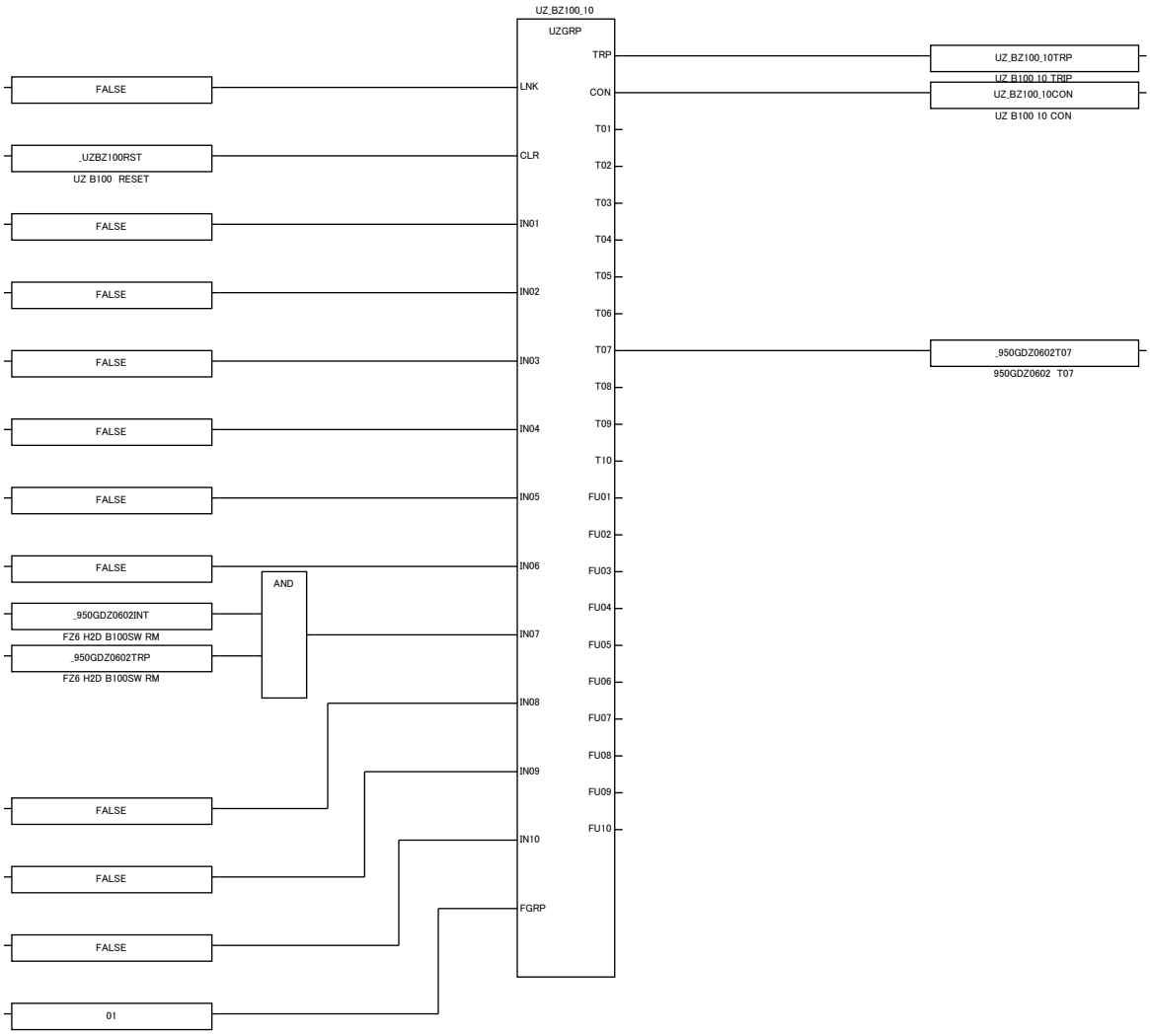
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 101
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 102
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

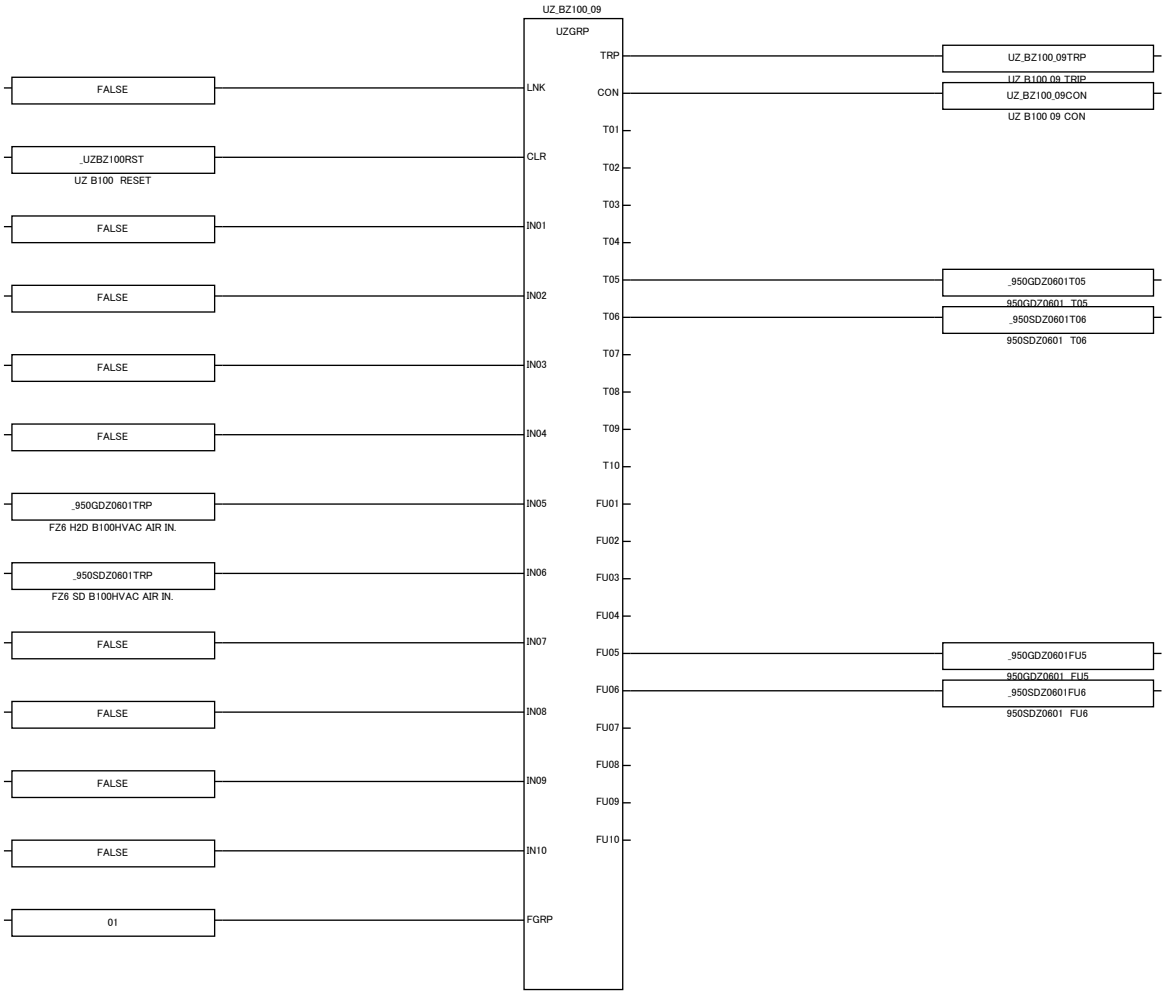


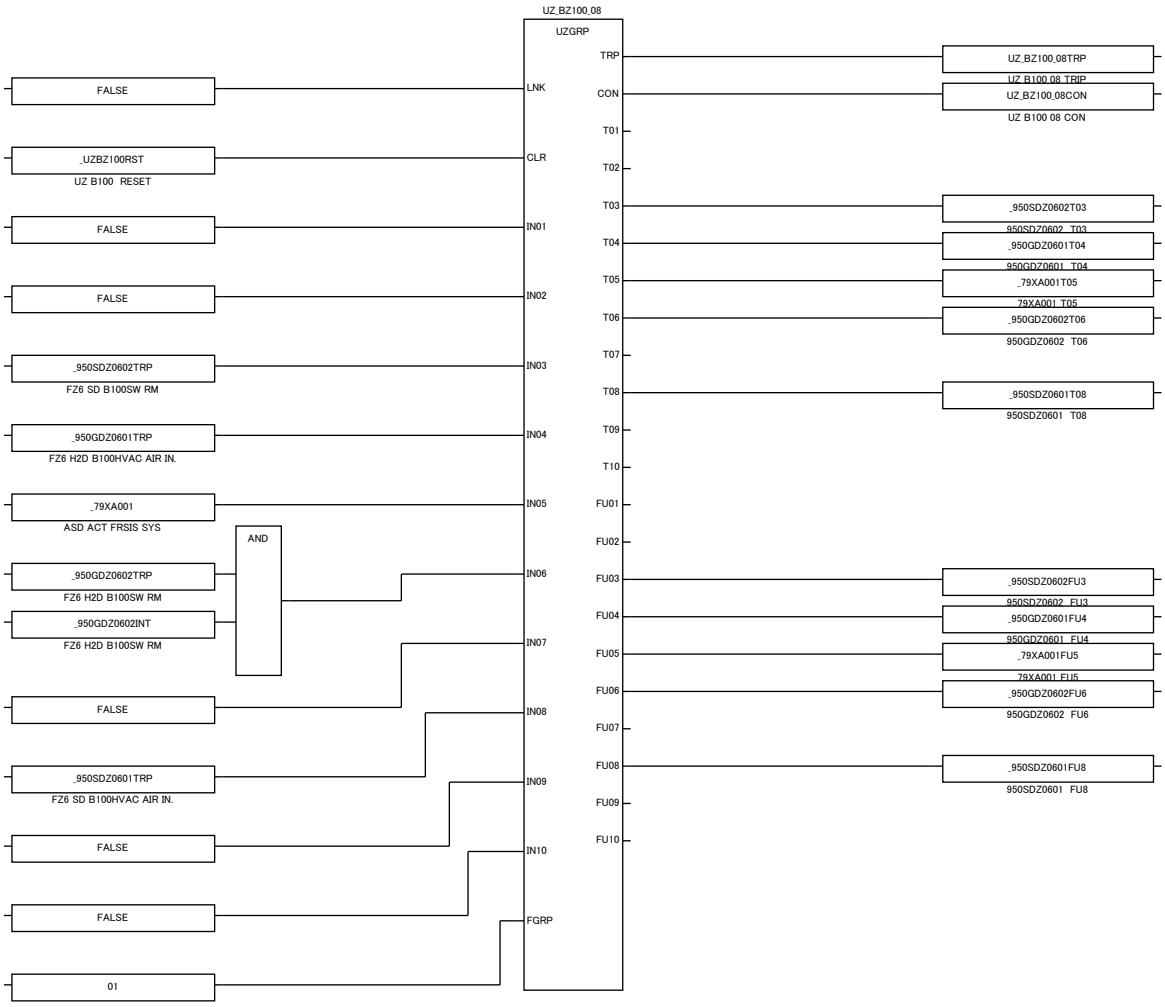
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 103
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



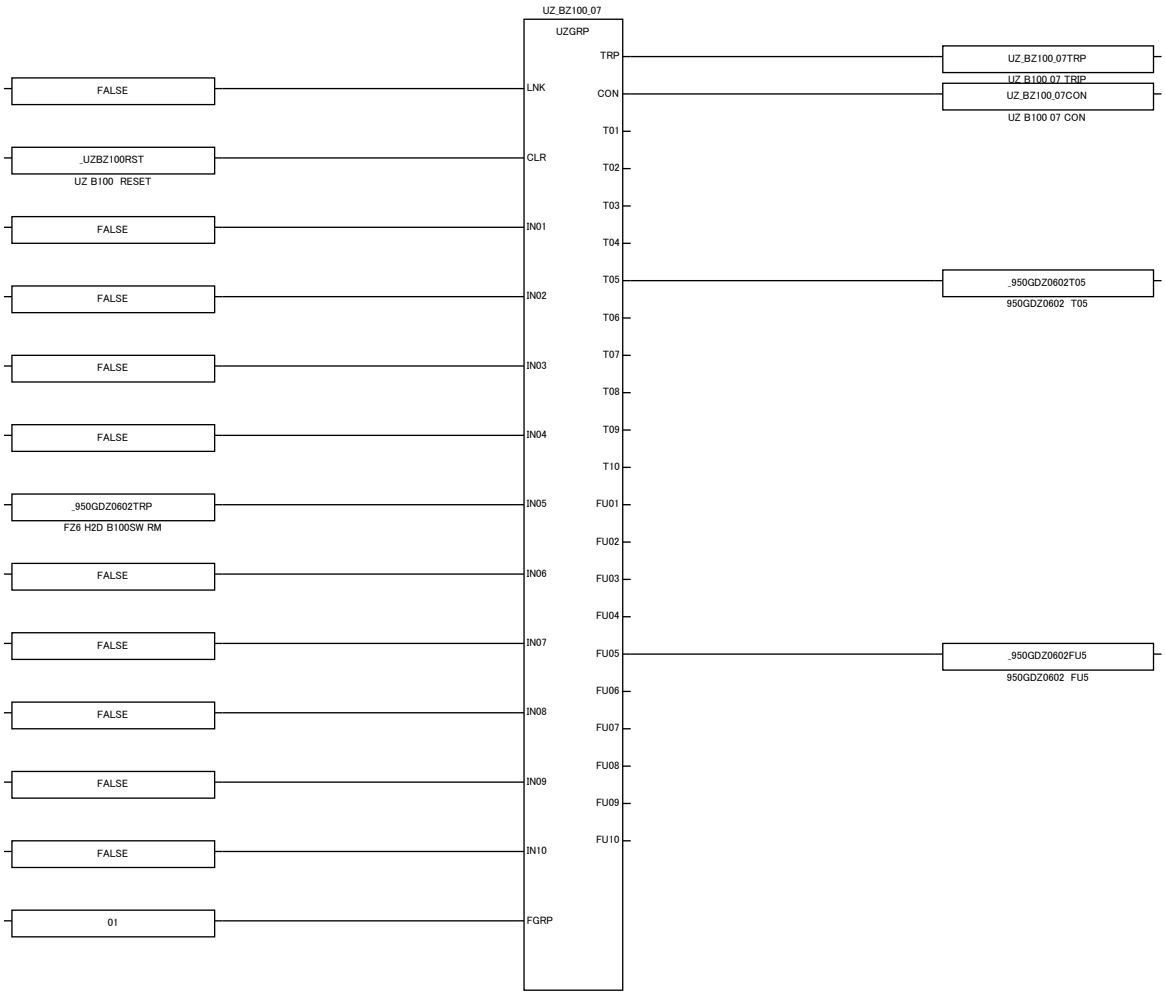
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 104
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

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

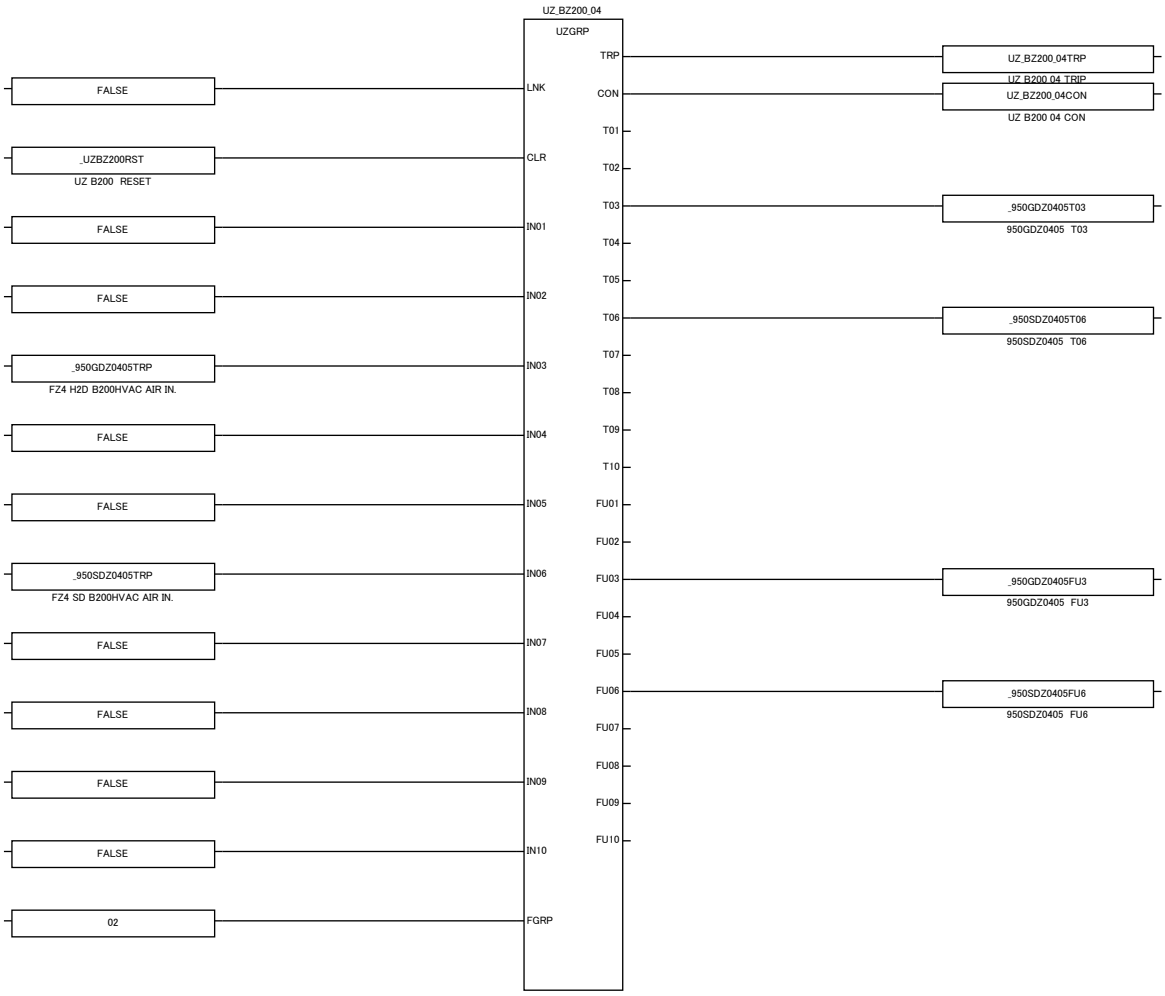




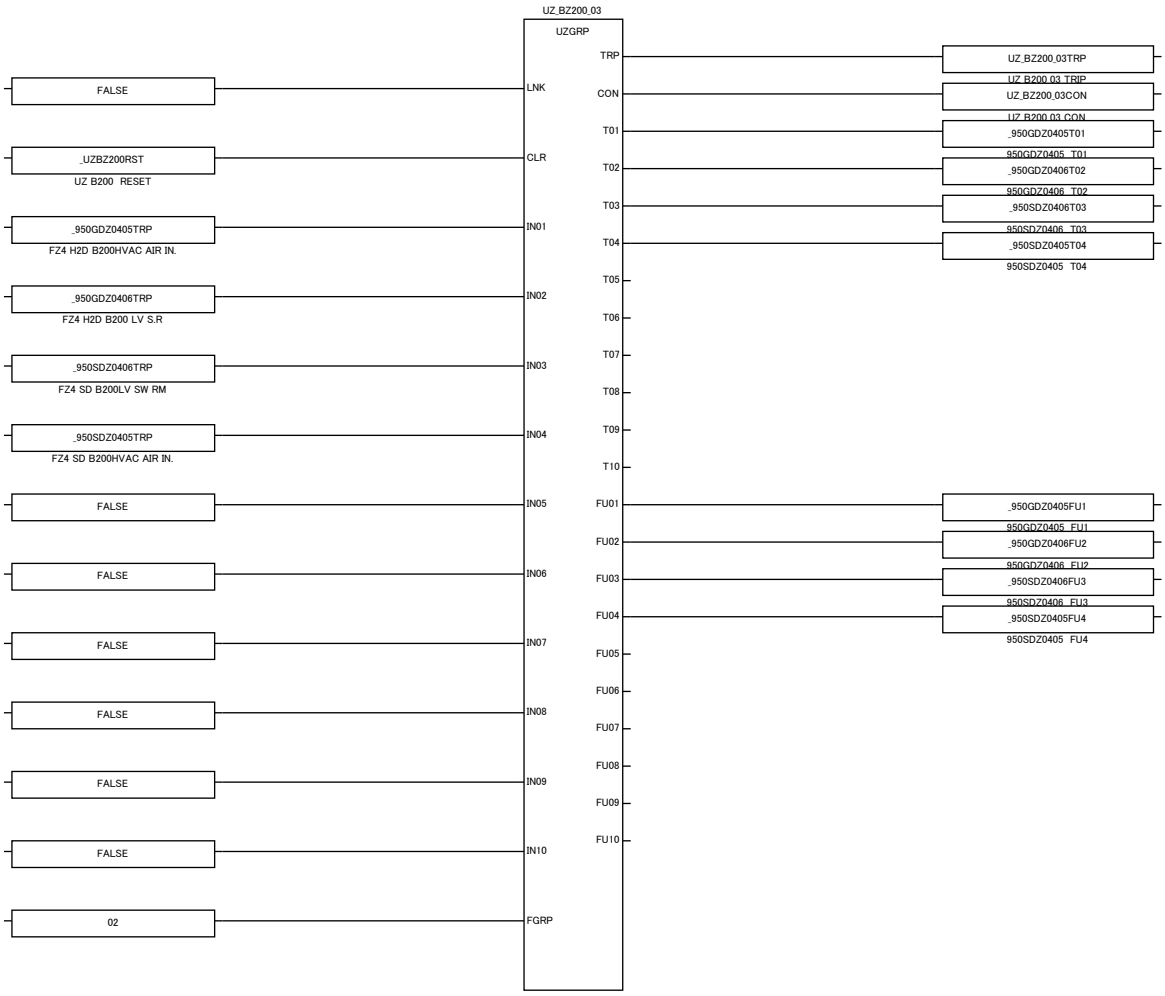
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 106
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



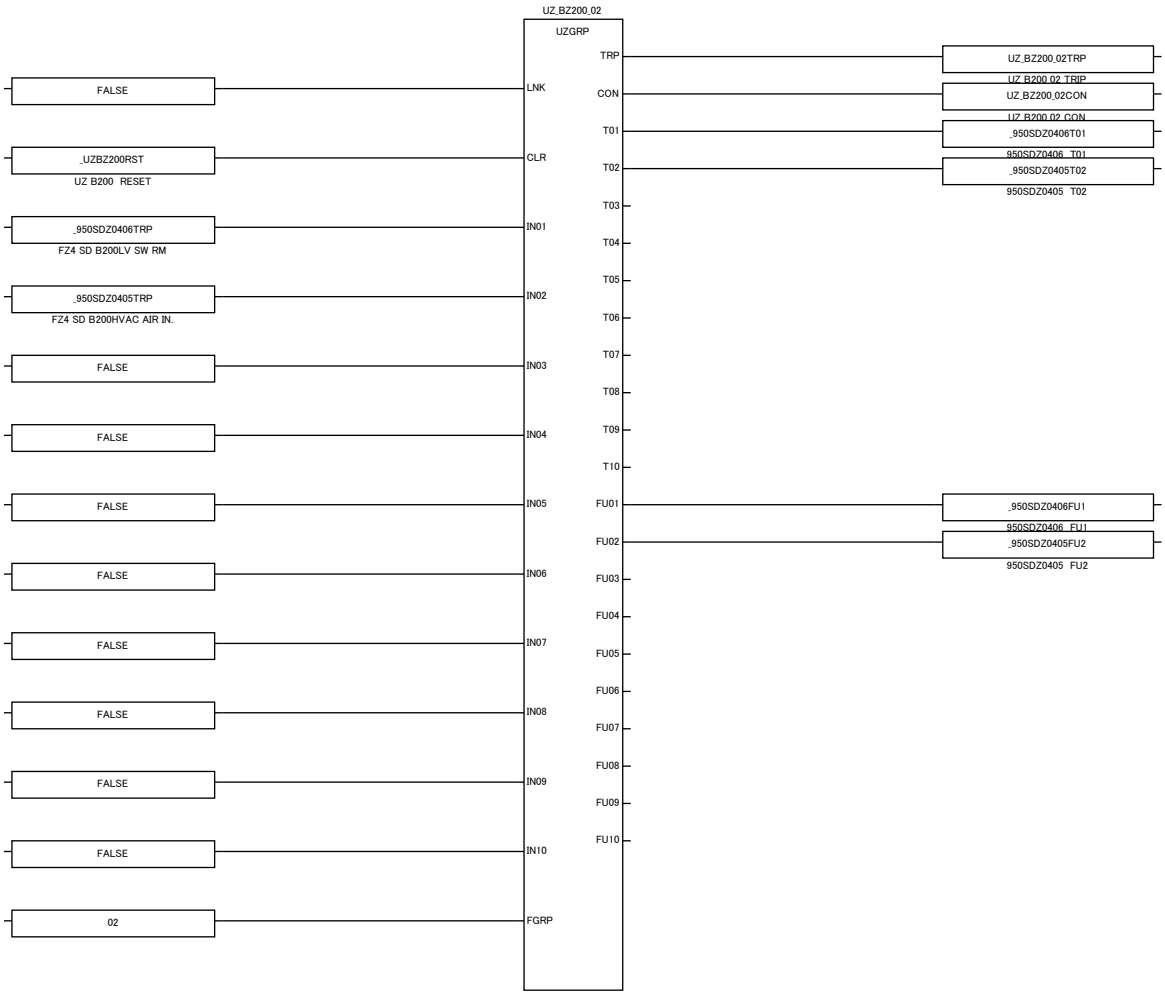
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 107
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



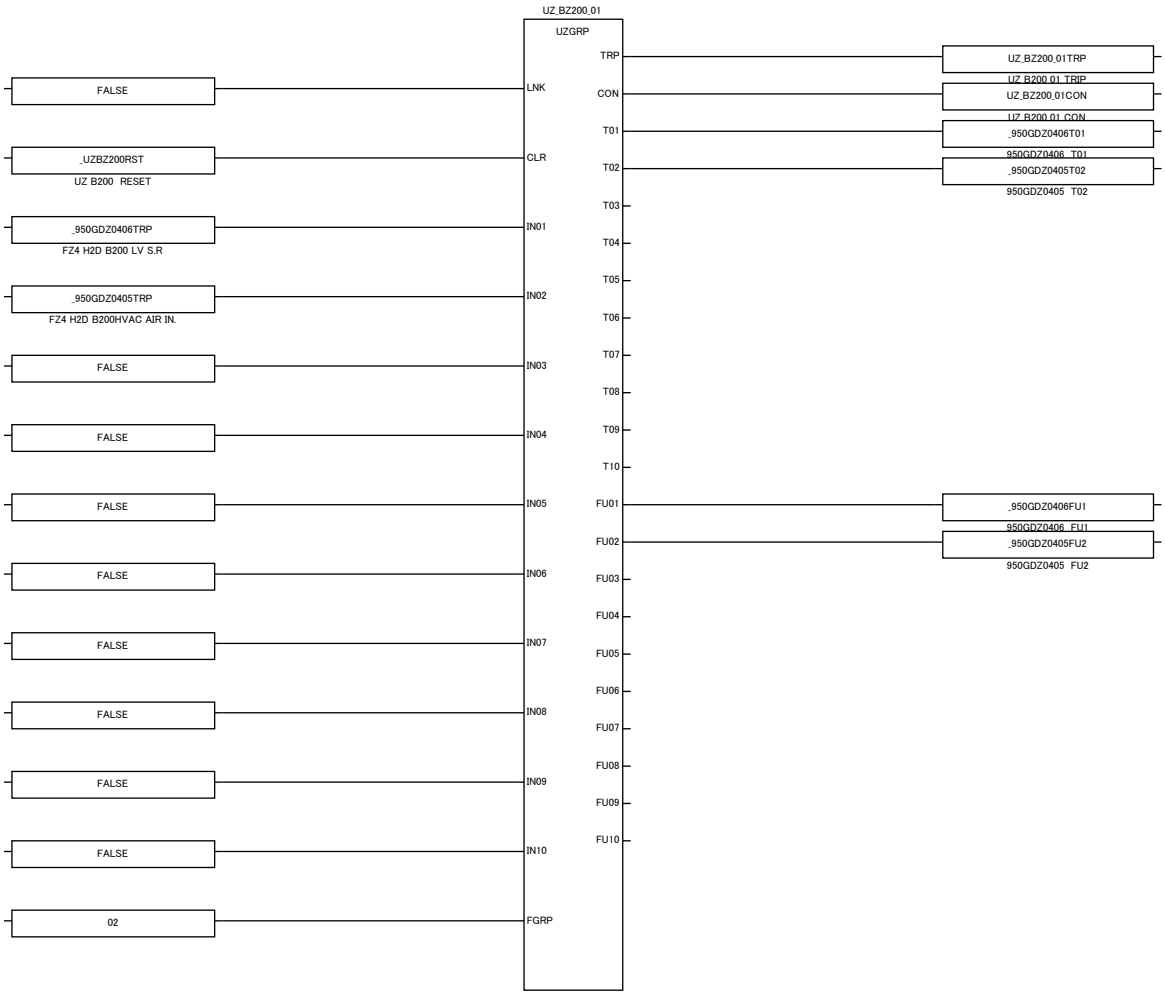
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 108
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 109
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

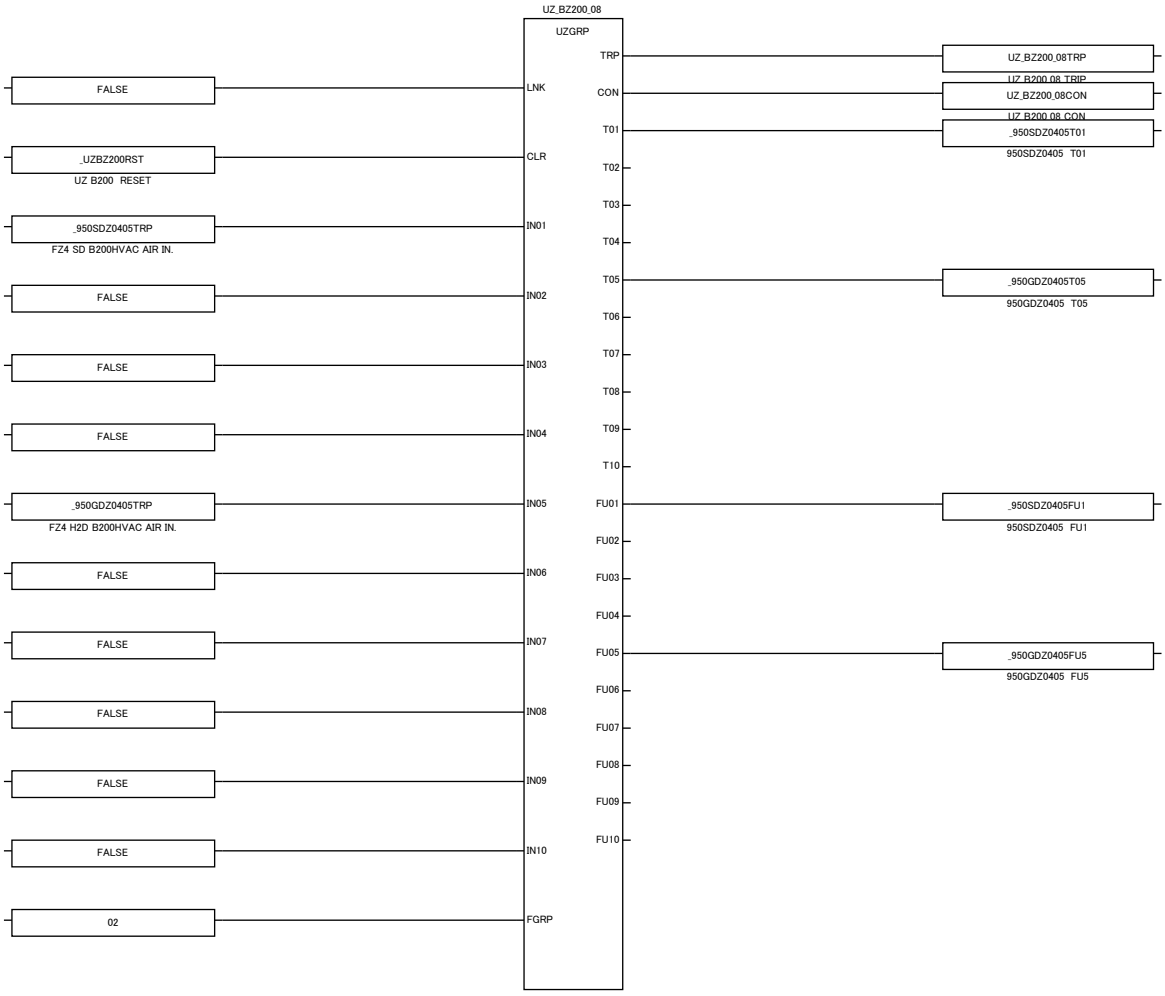


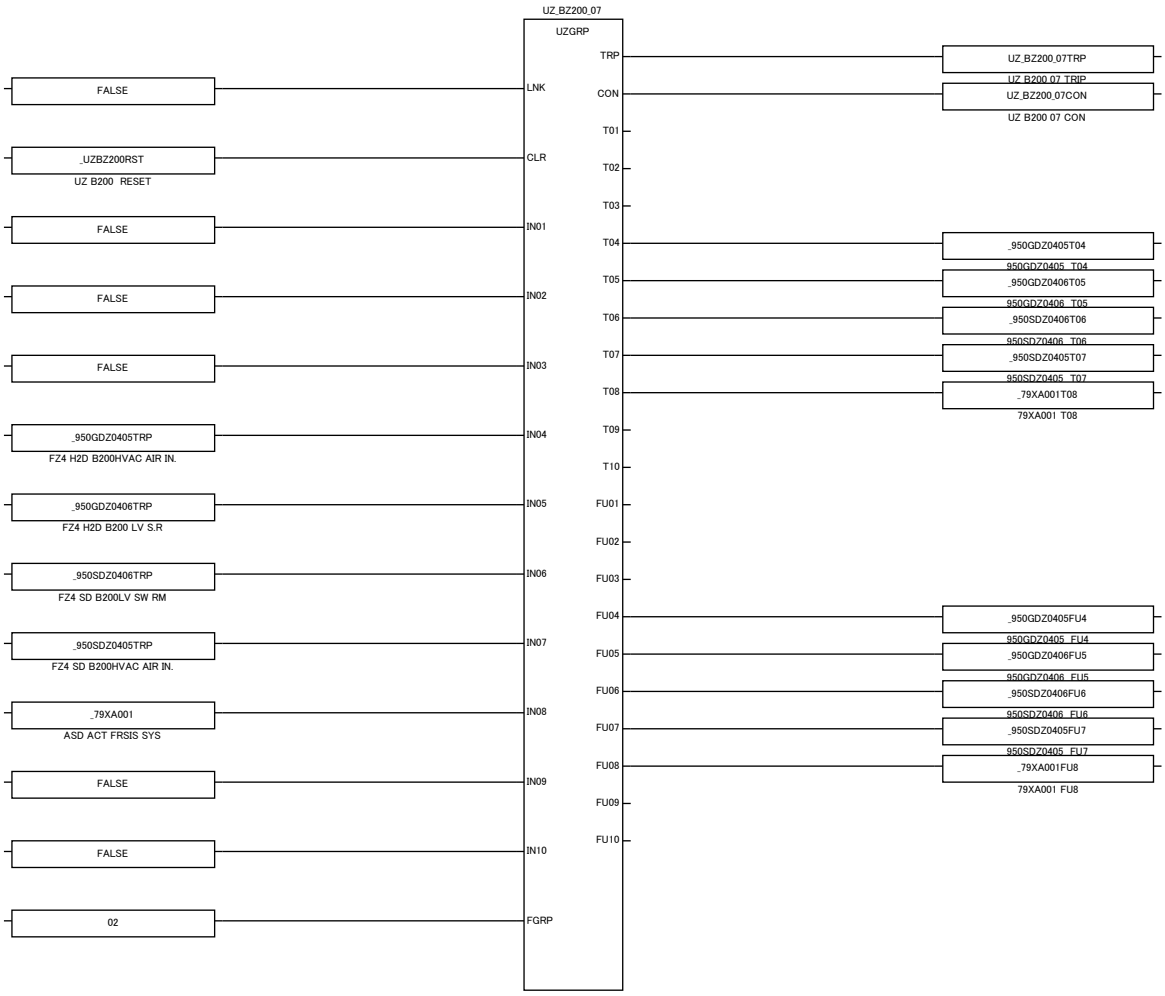
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 110
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



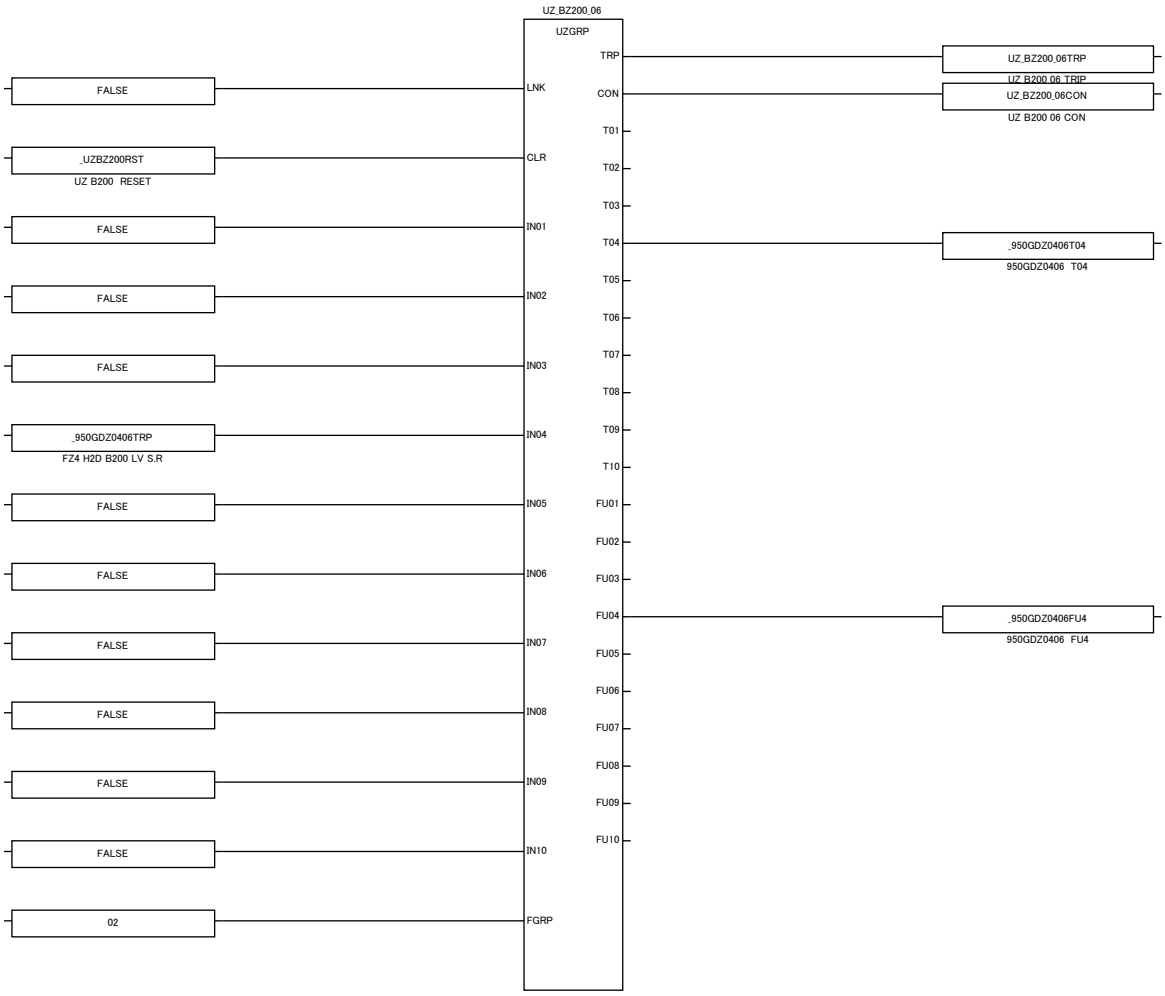
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 111
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

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

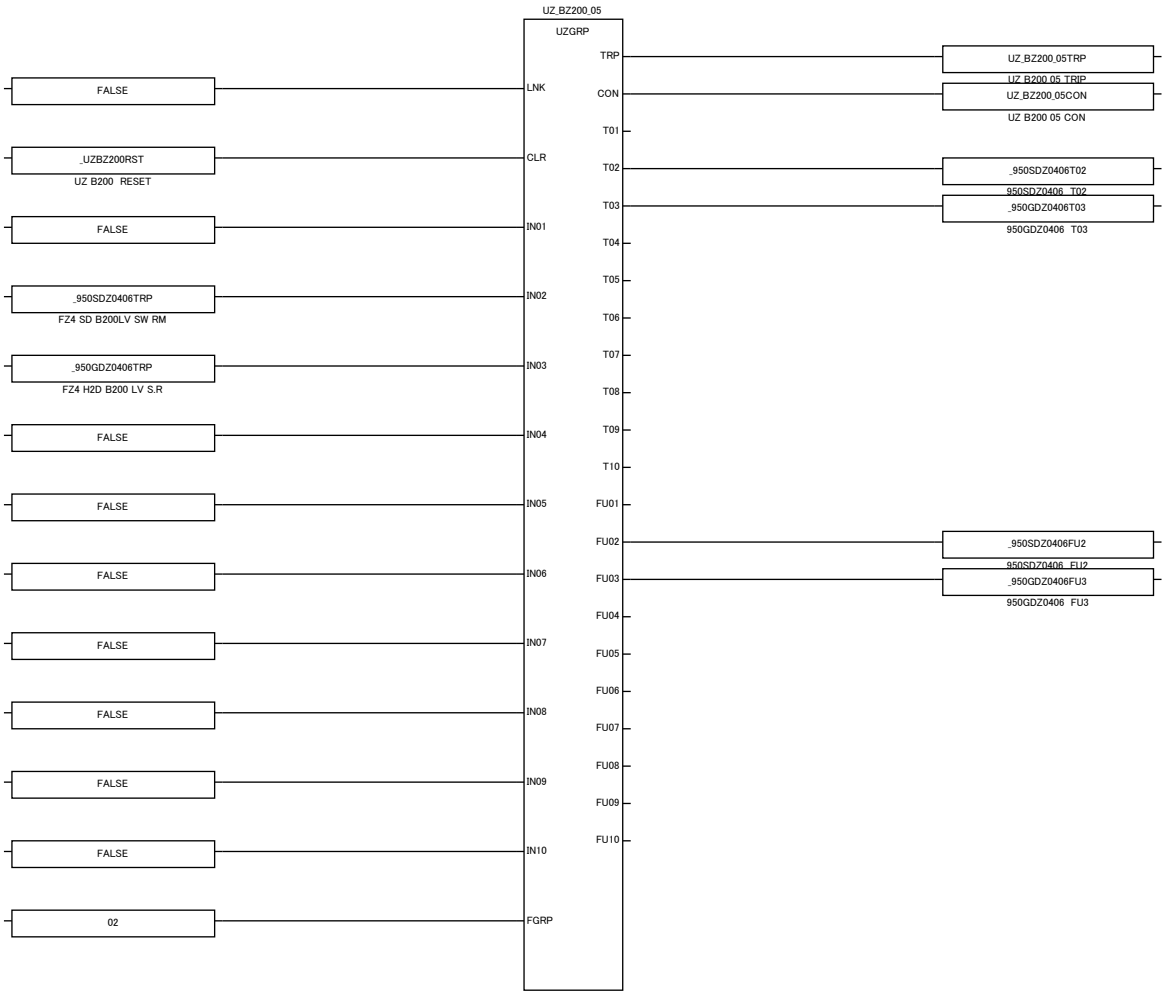




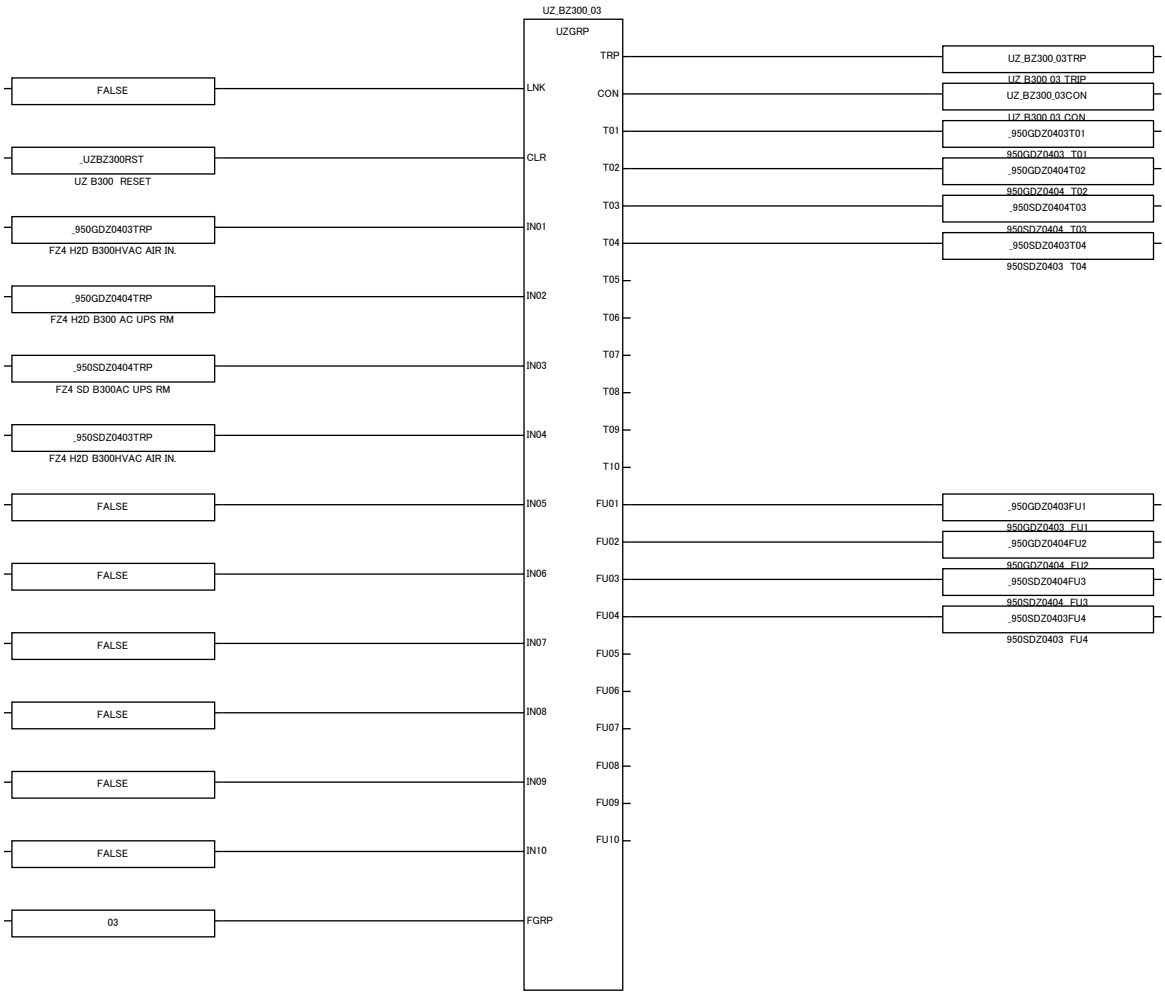
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 113
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



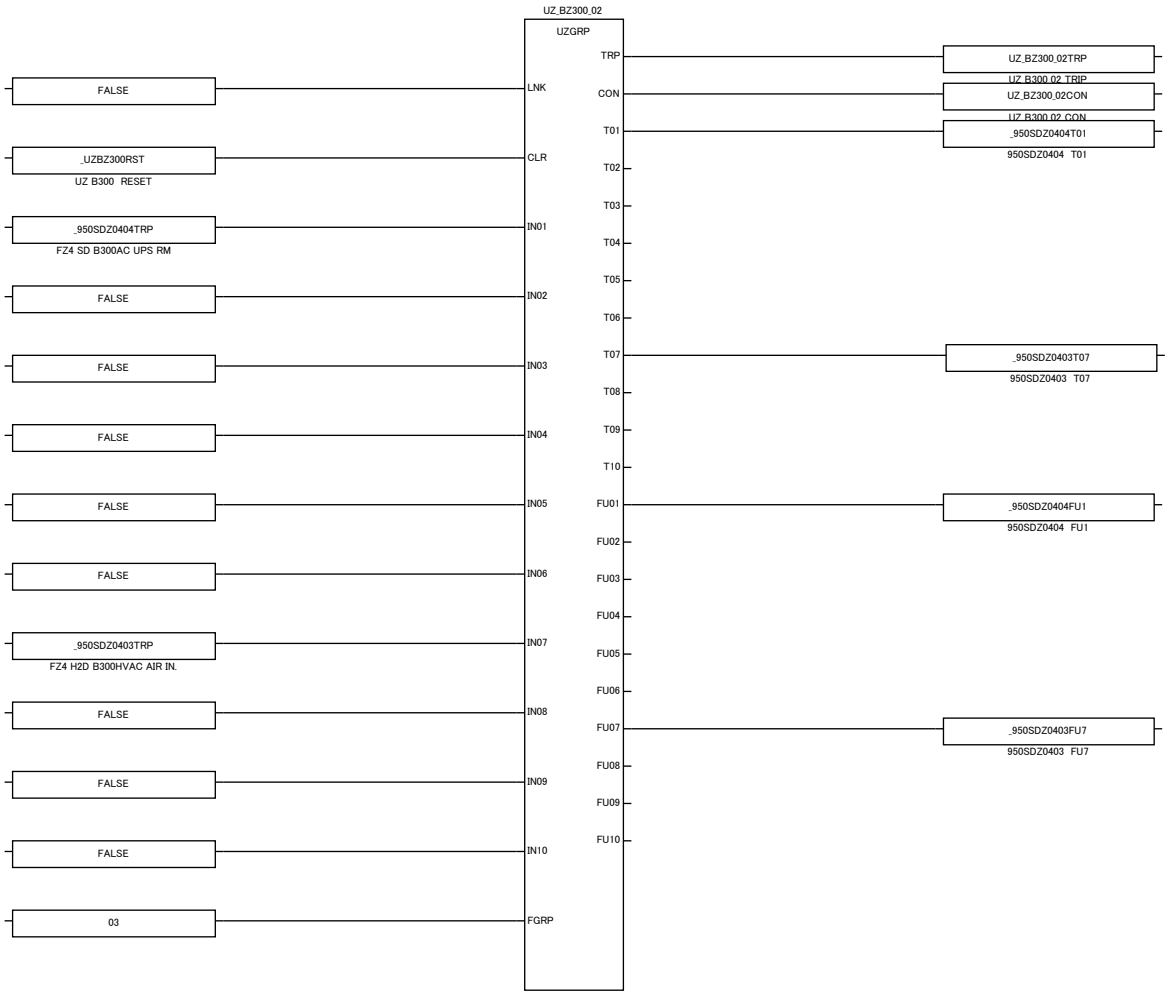
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 114
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



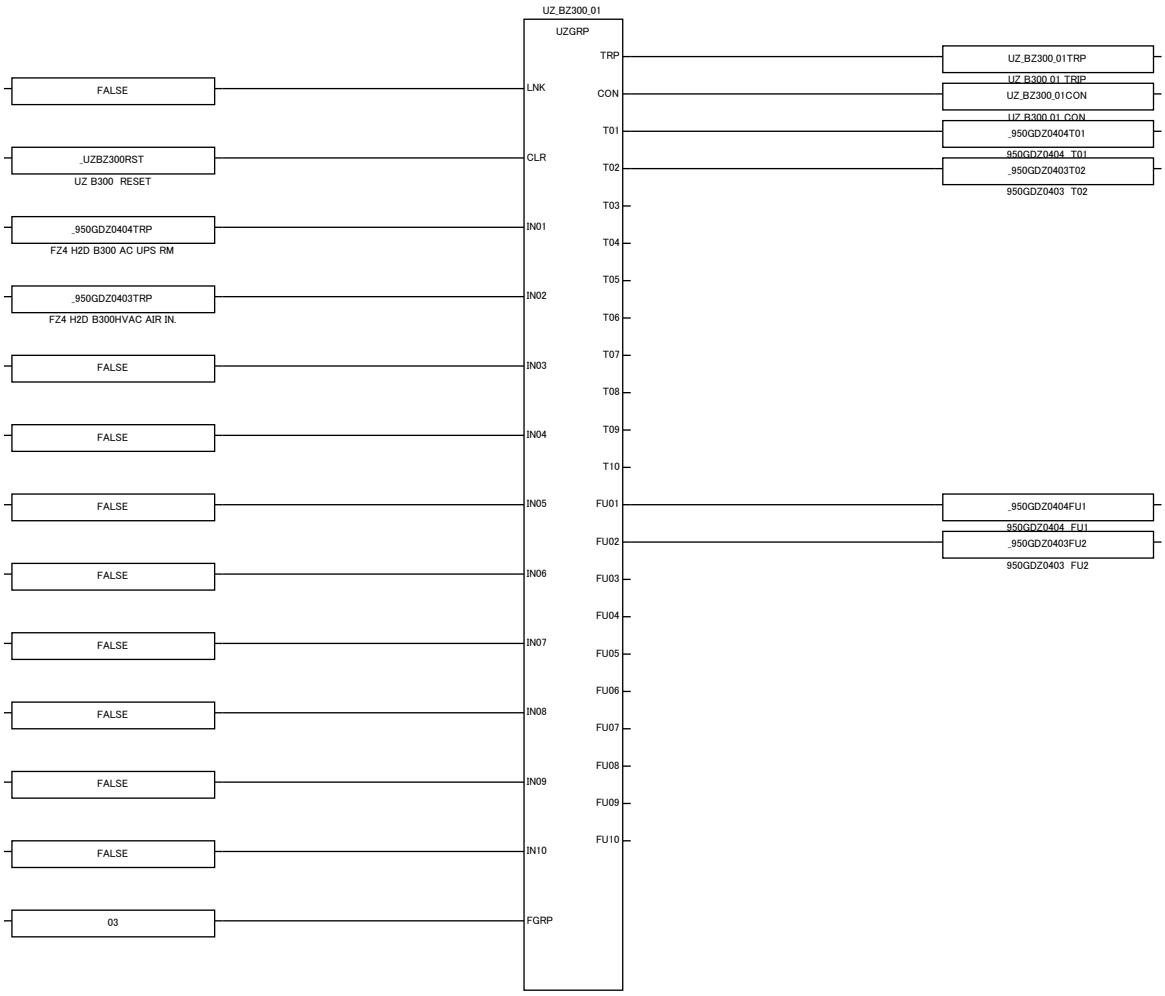
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 115
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



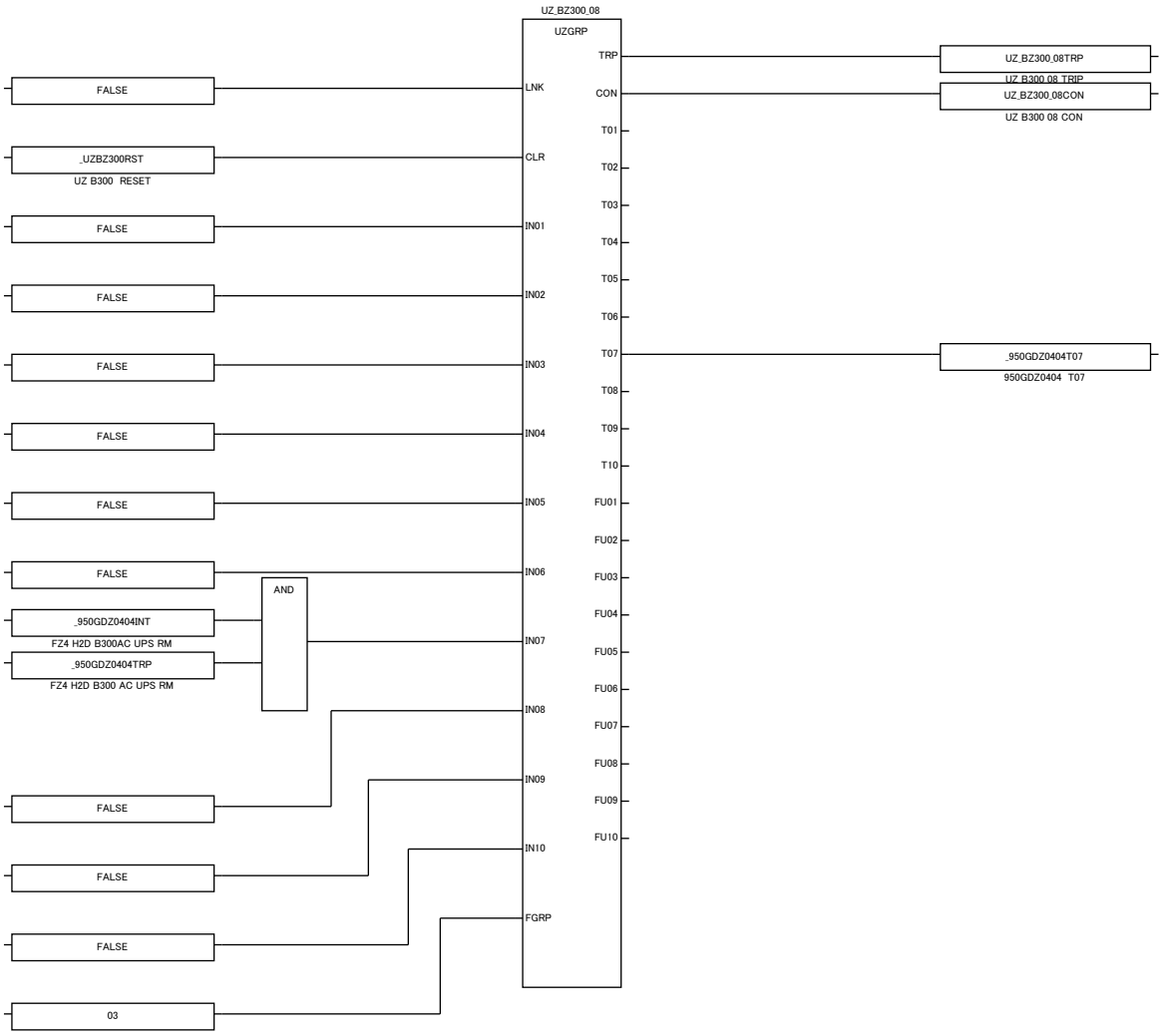
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 116
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 117
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

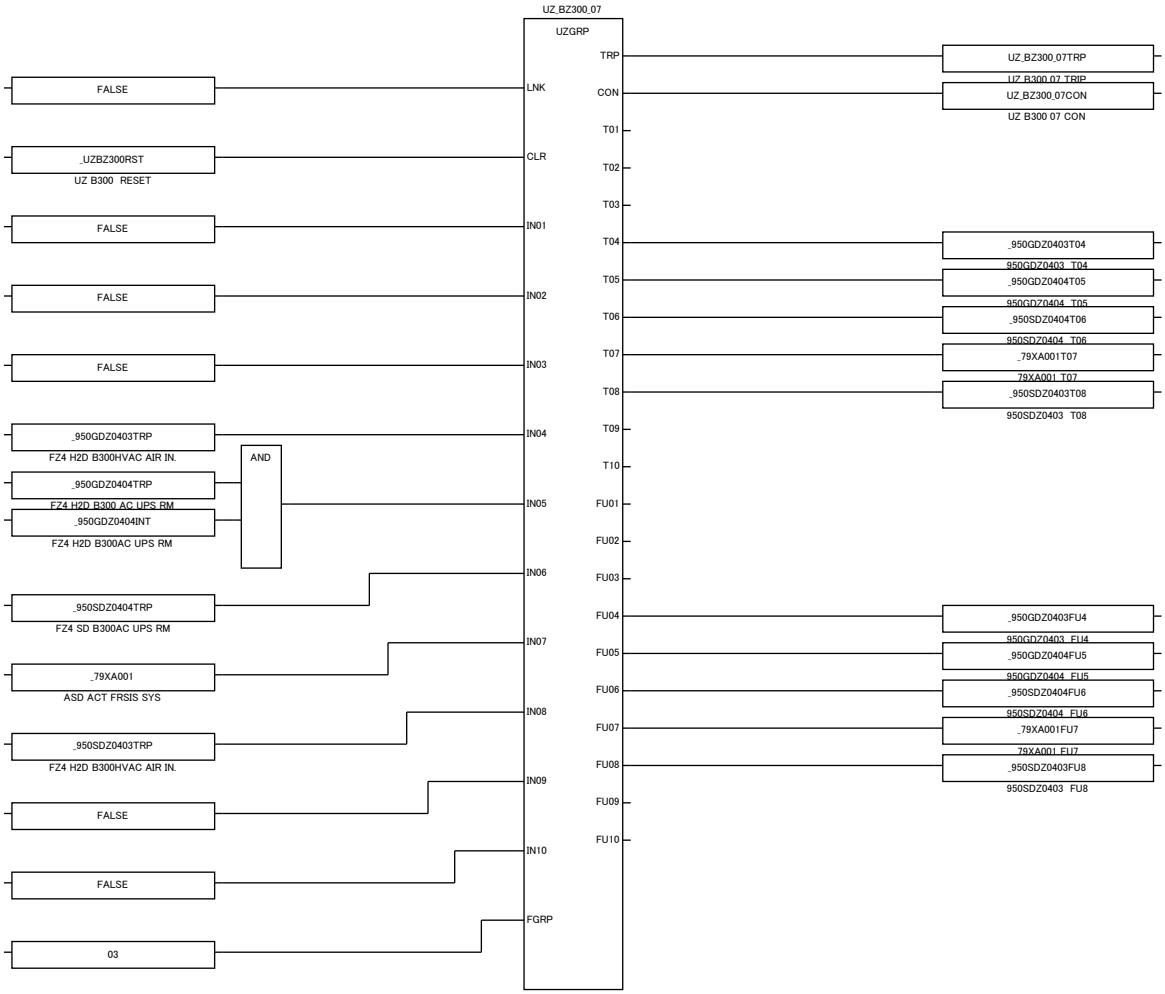


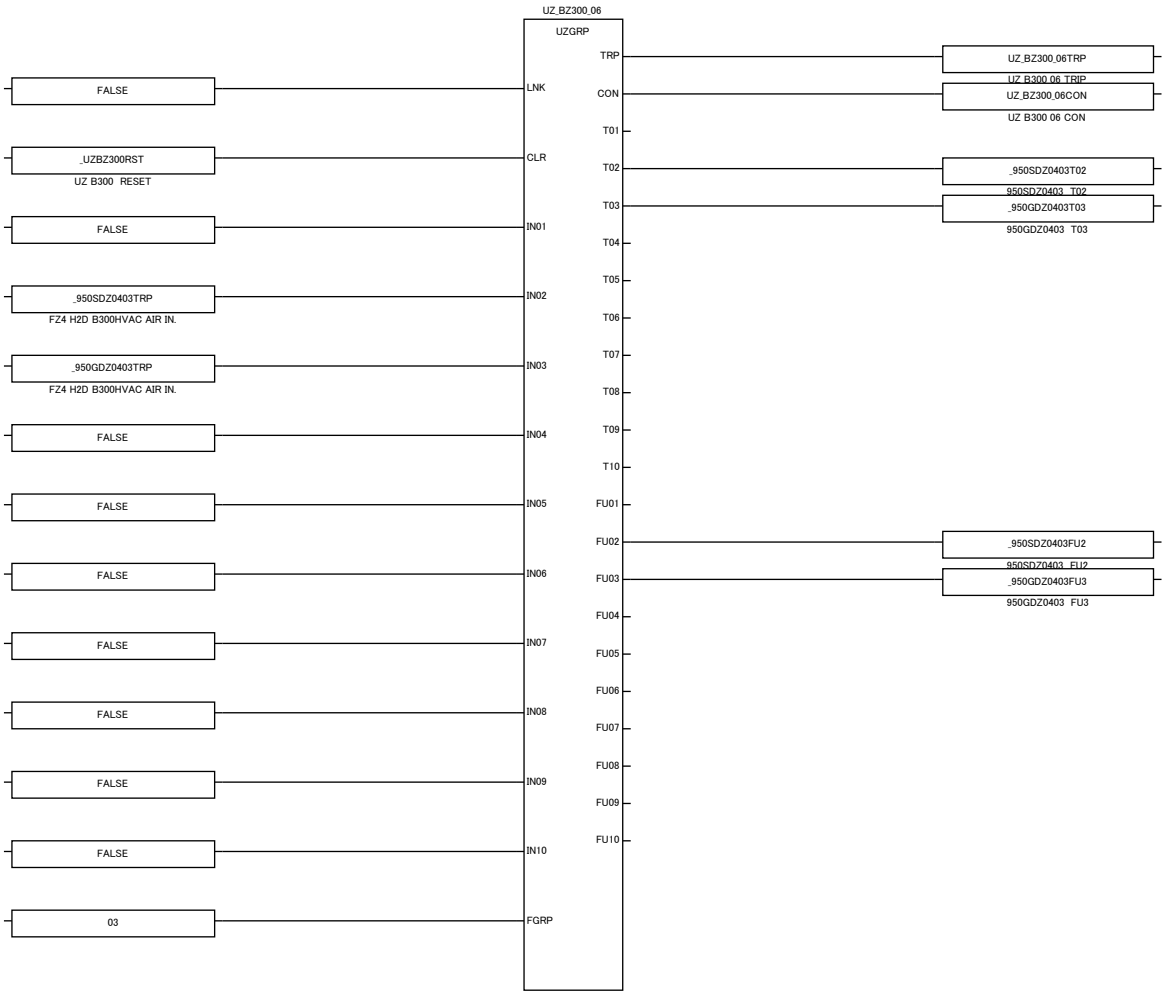
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 118
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



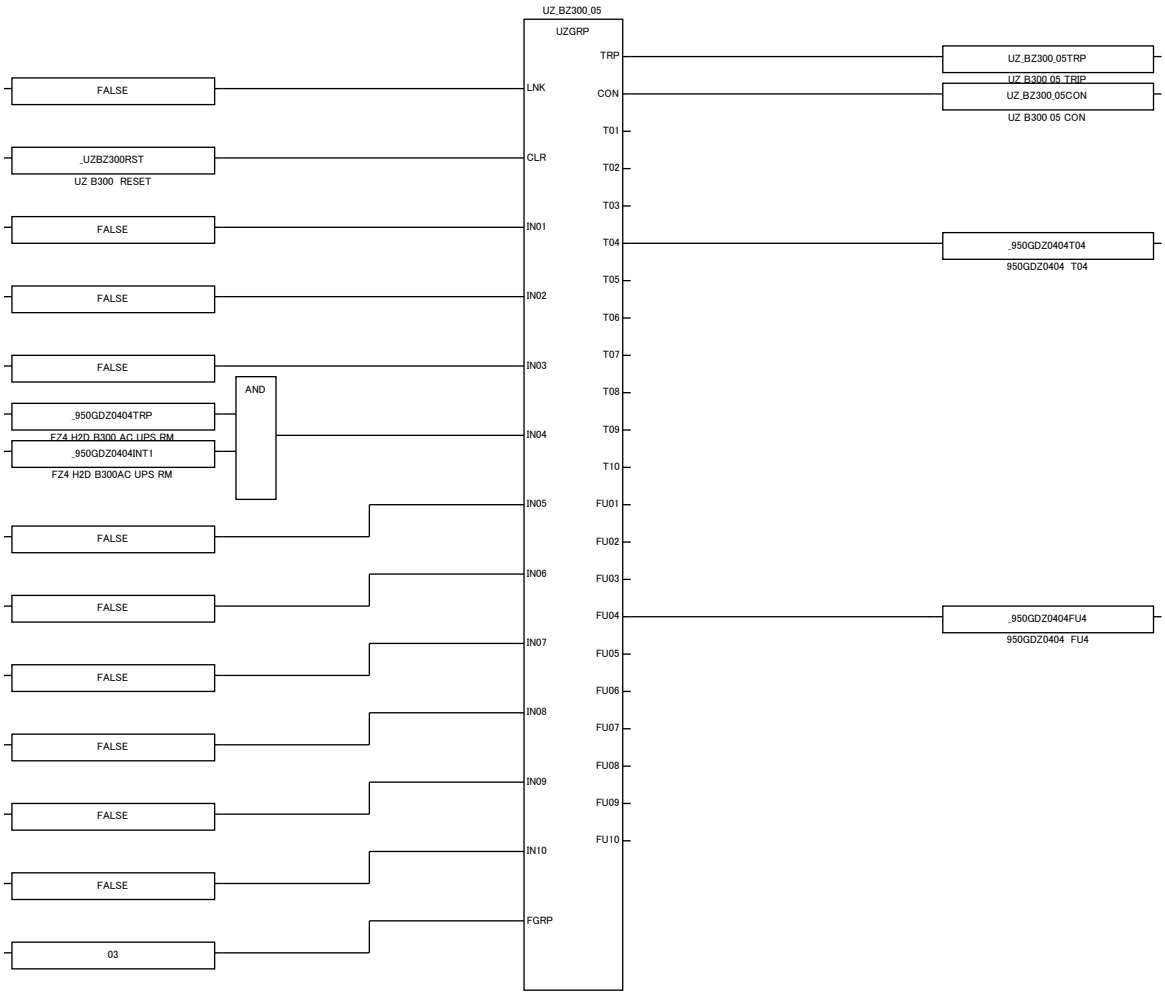
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 119
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

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

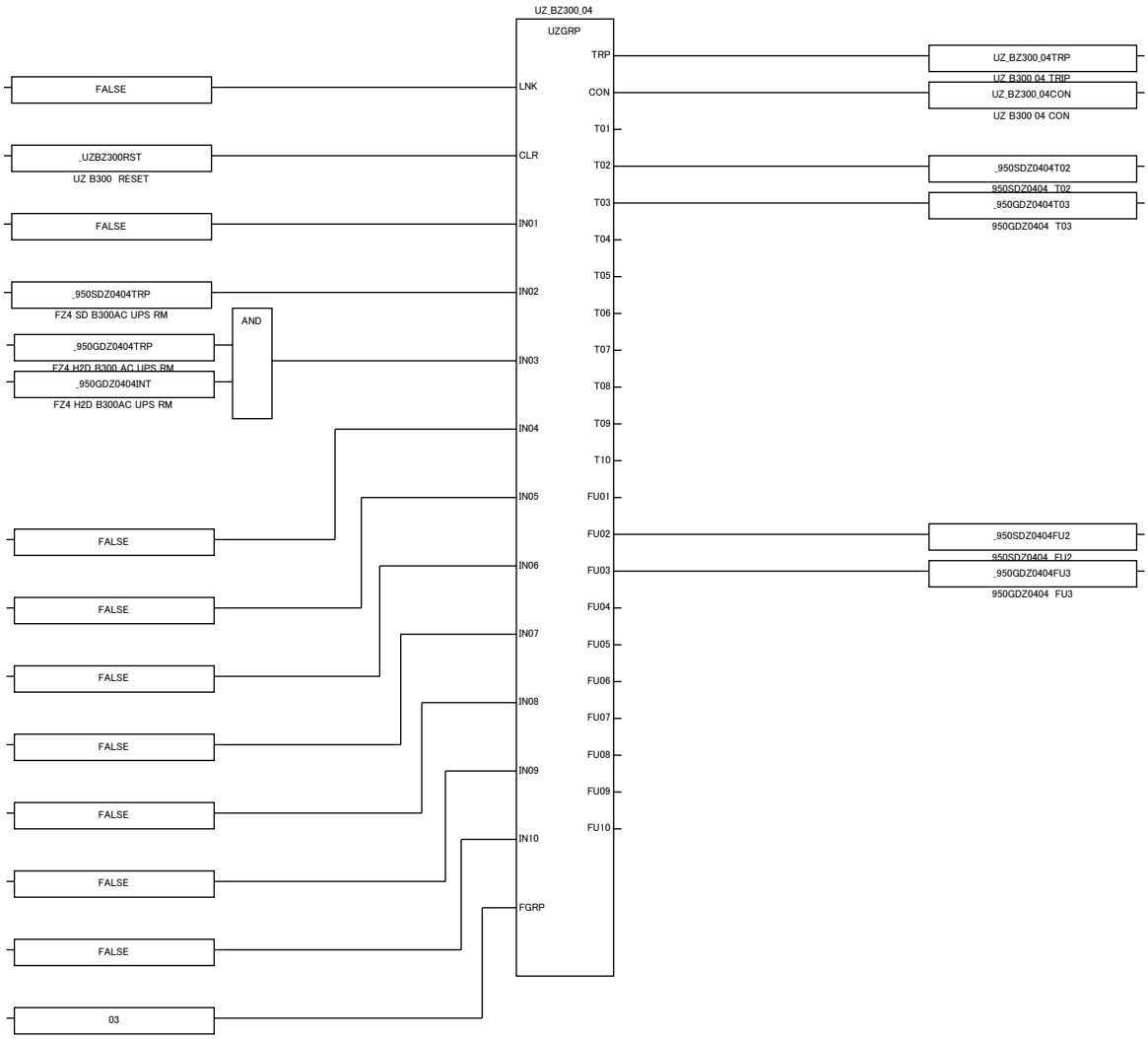




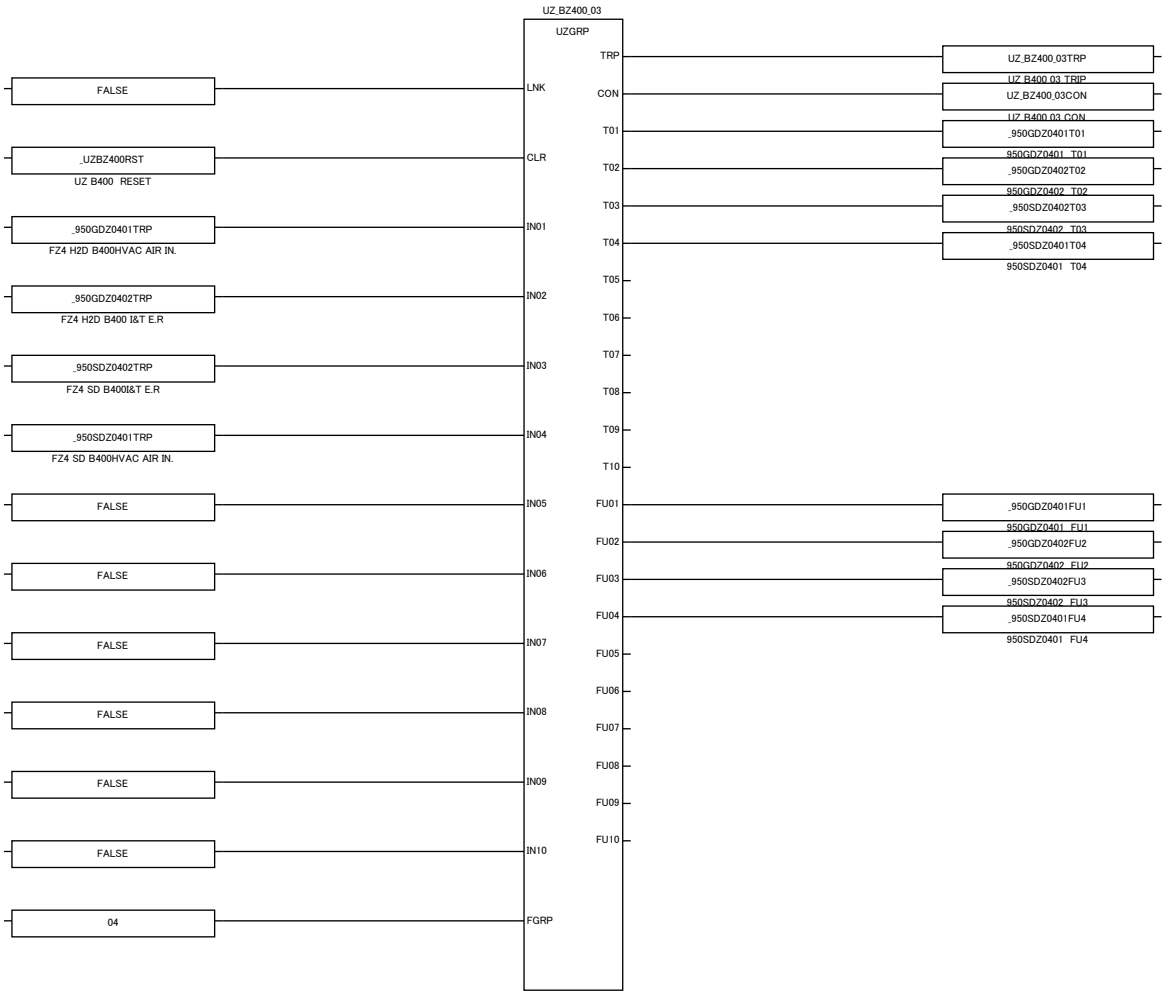
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 121
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



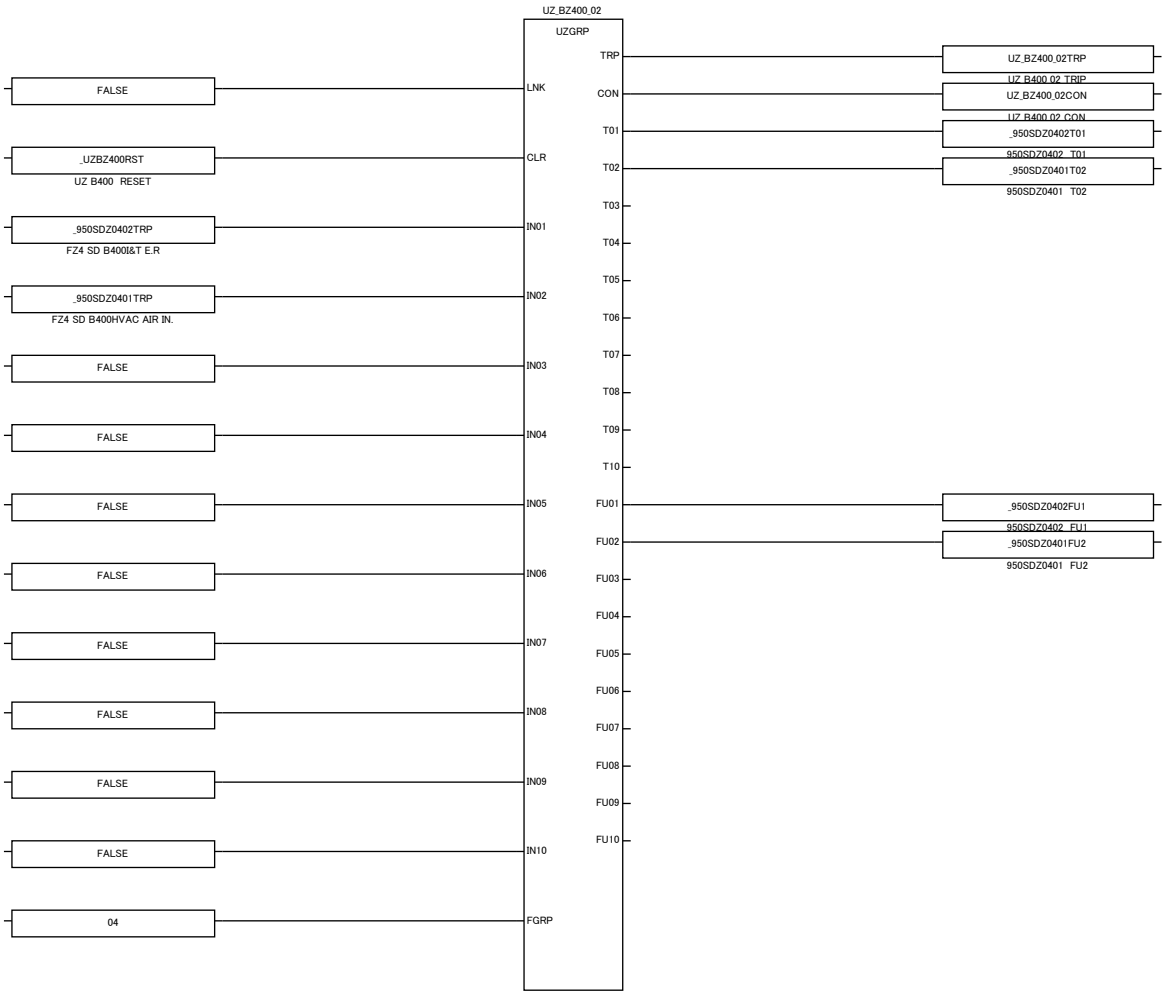
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 122
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



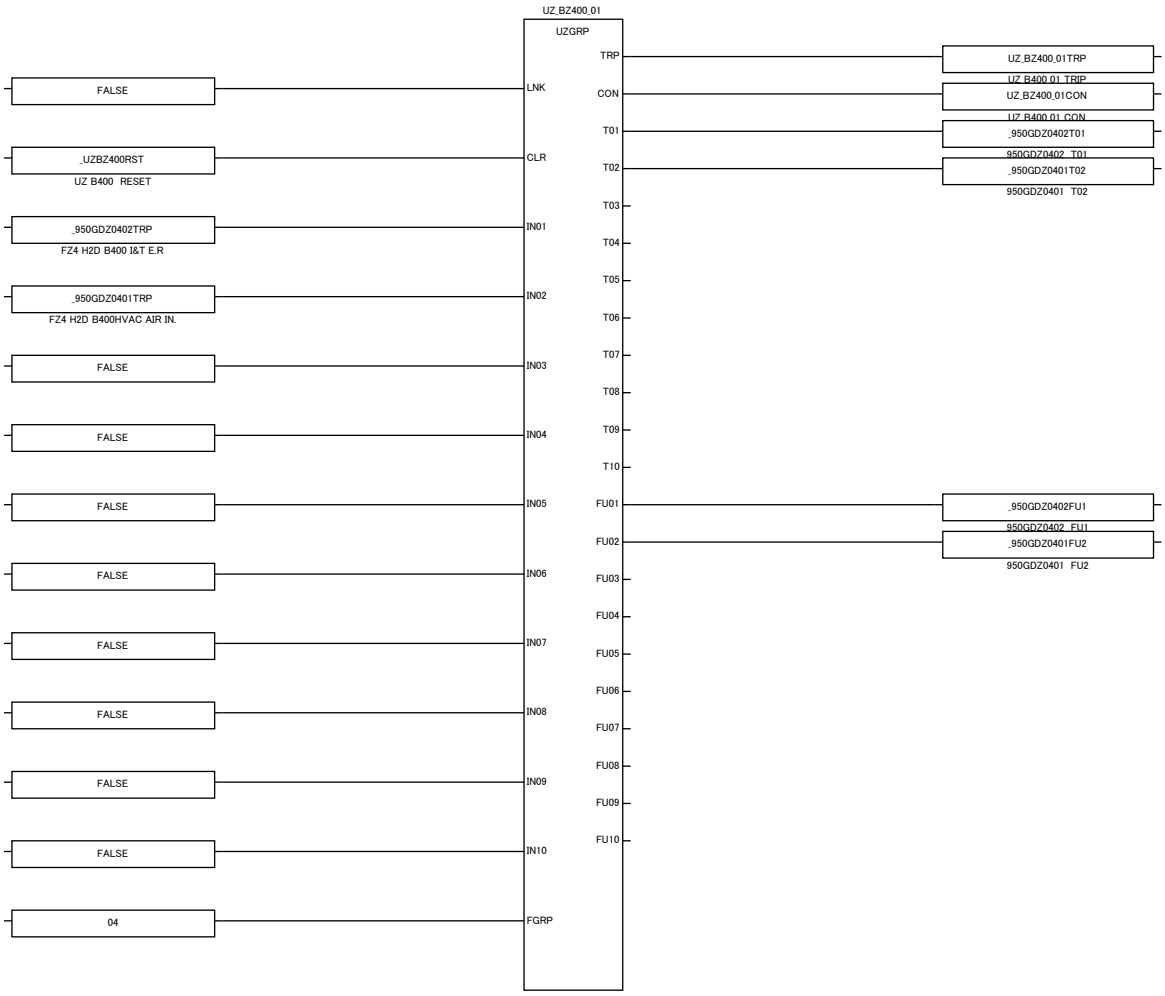
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 123
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 124
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

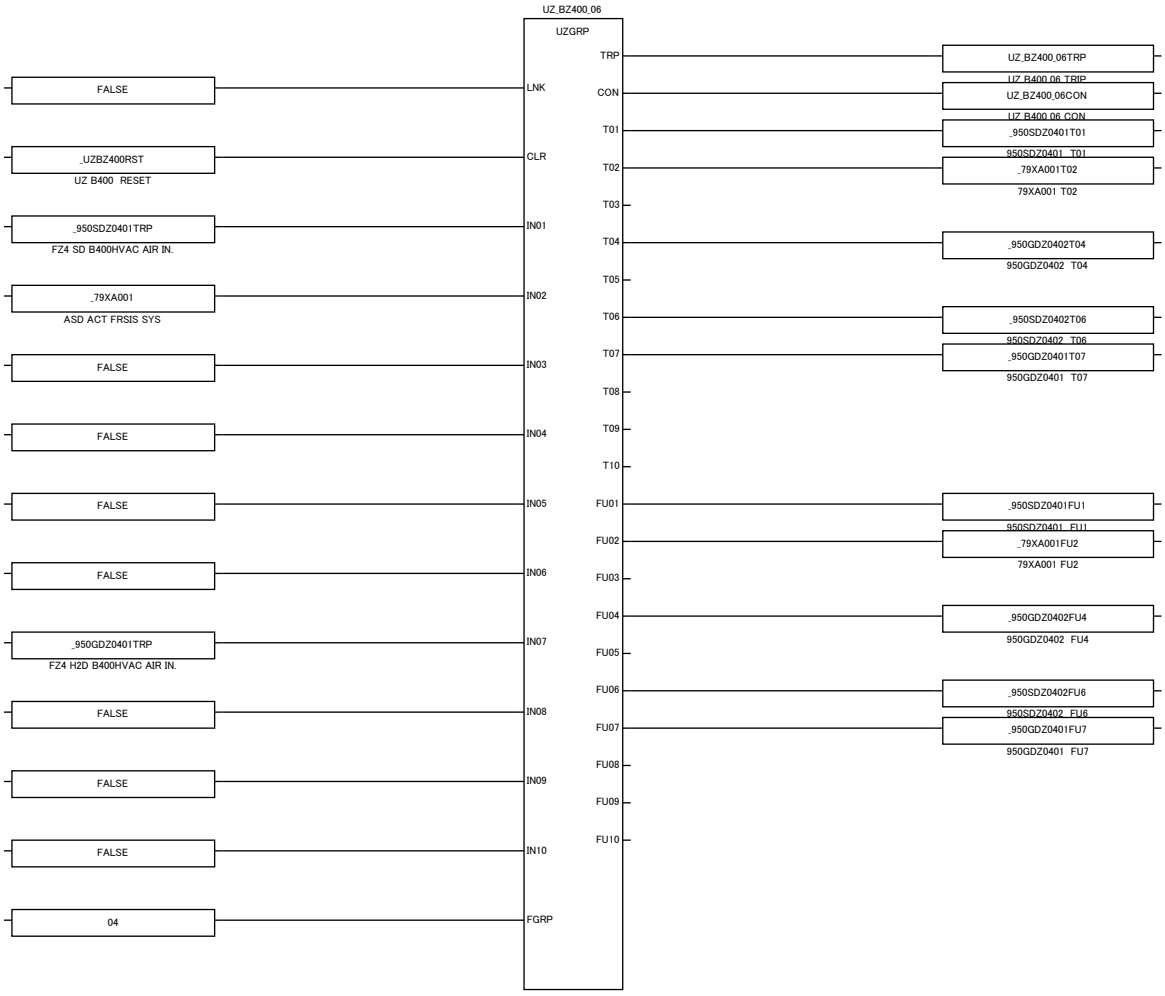


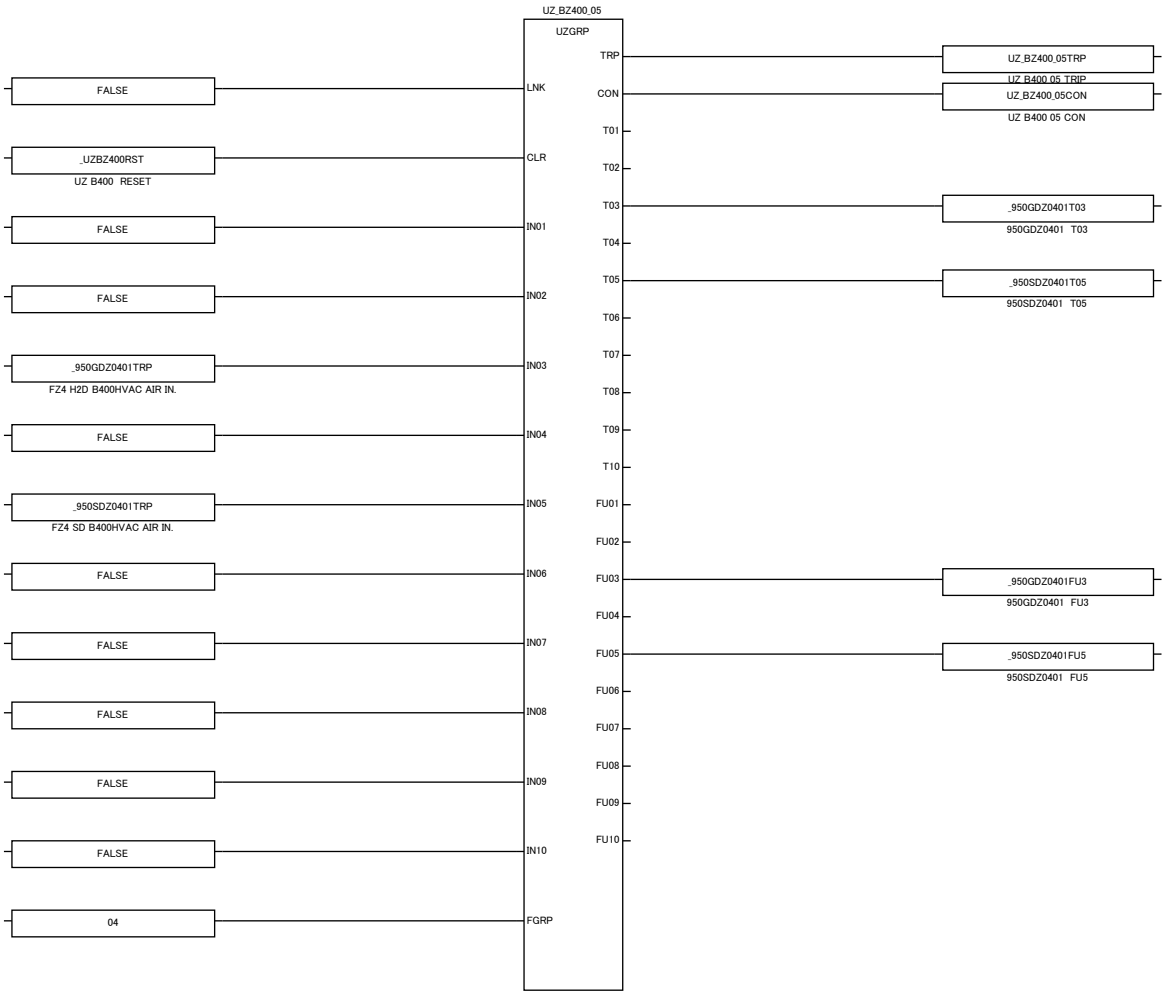
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 125
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



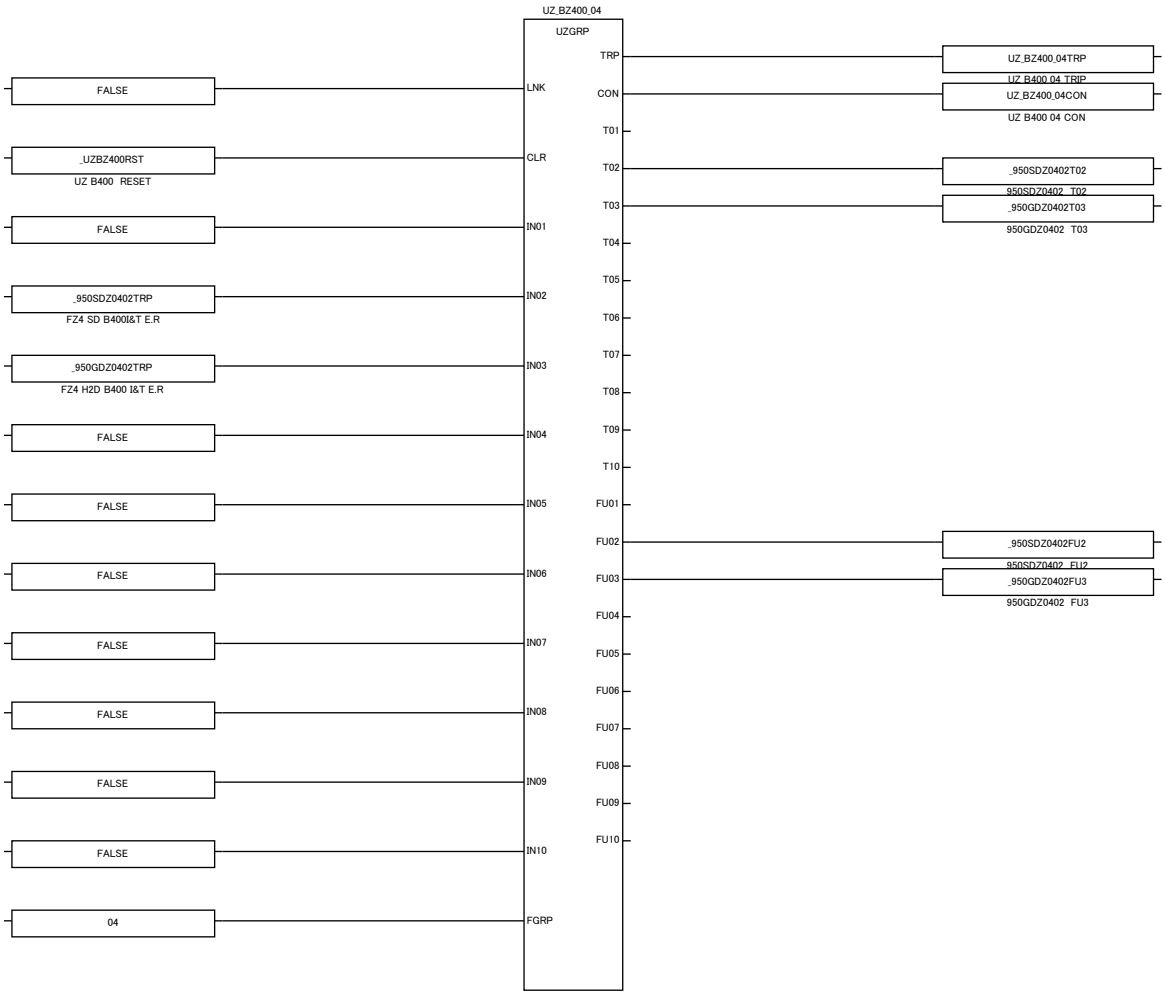
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 126
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

1.36. CE_LOGIC_05(* C&E Interlock Logic *)

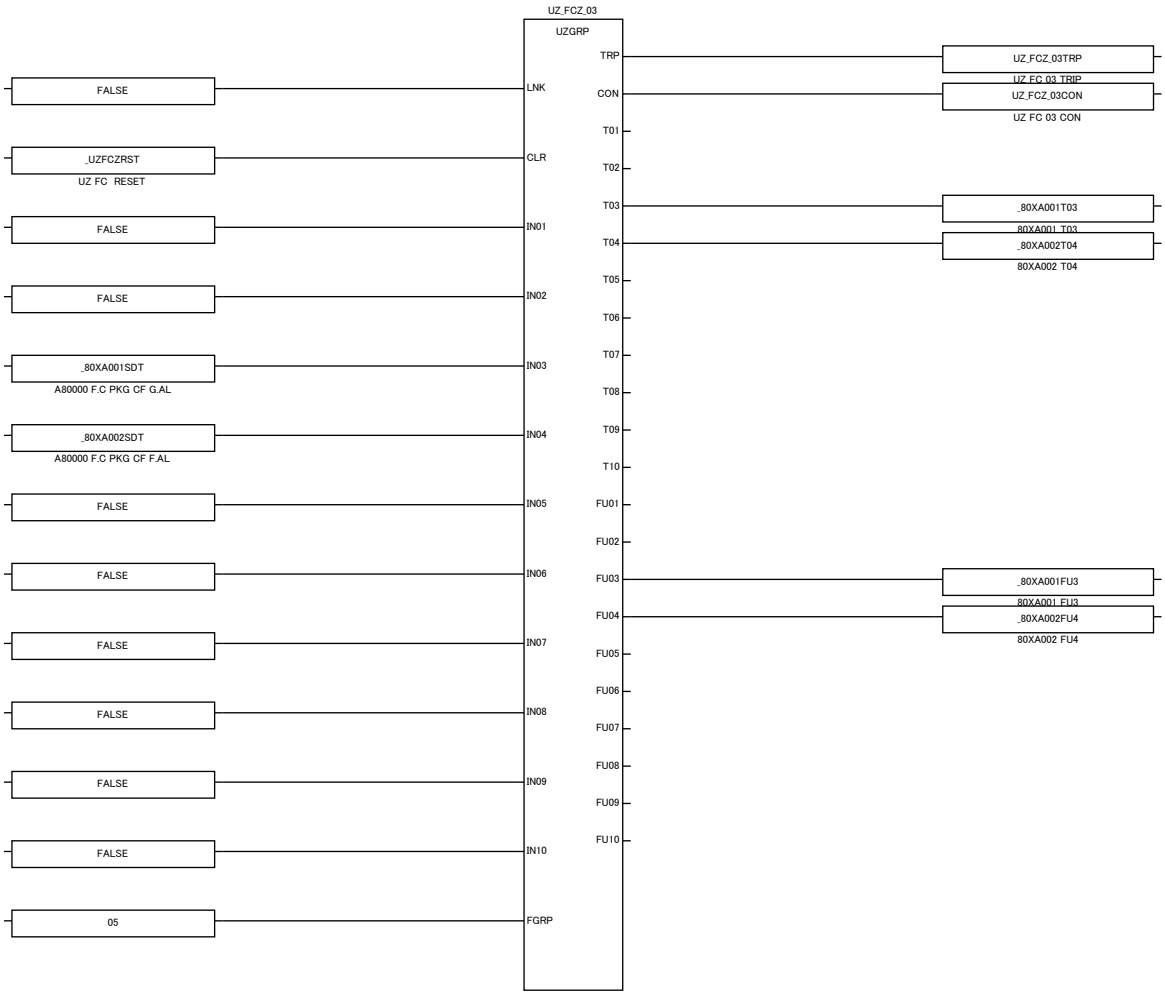




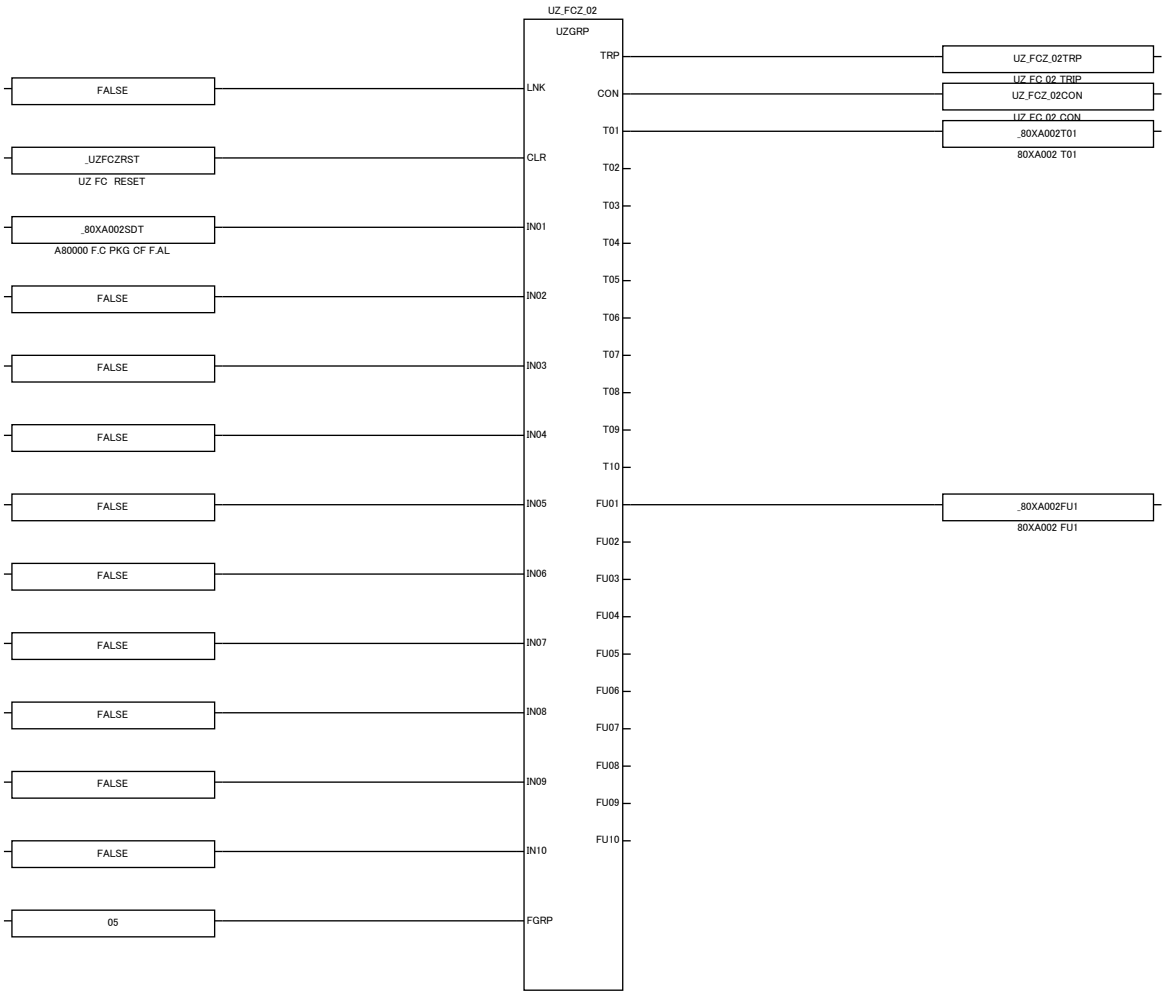
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 128
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



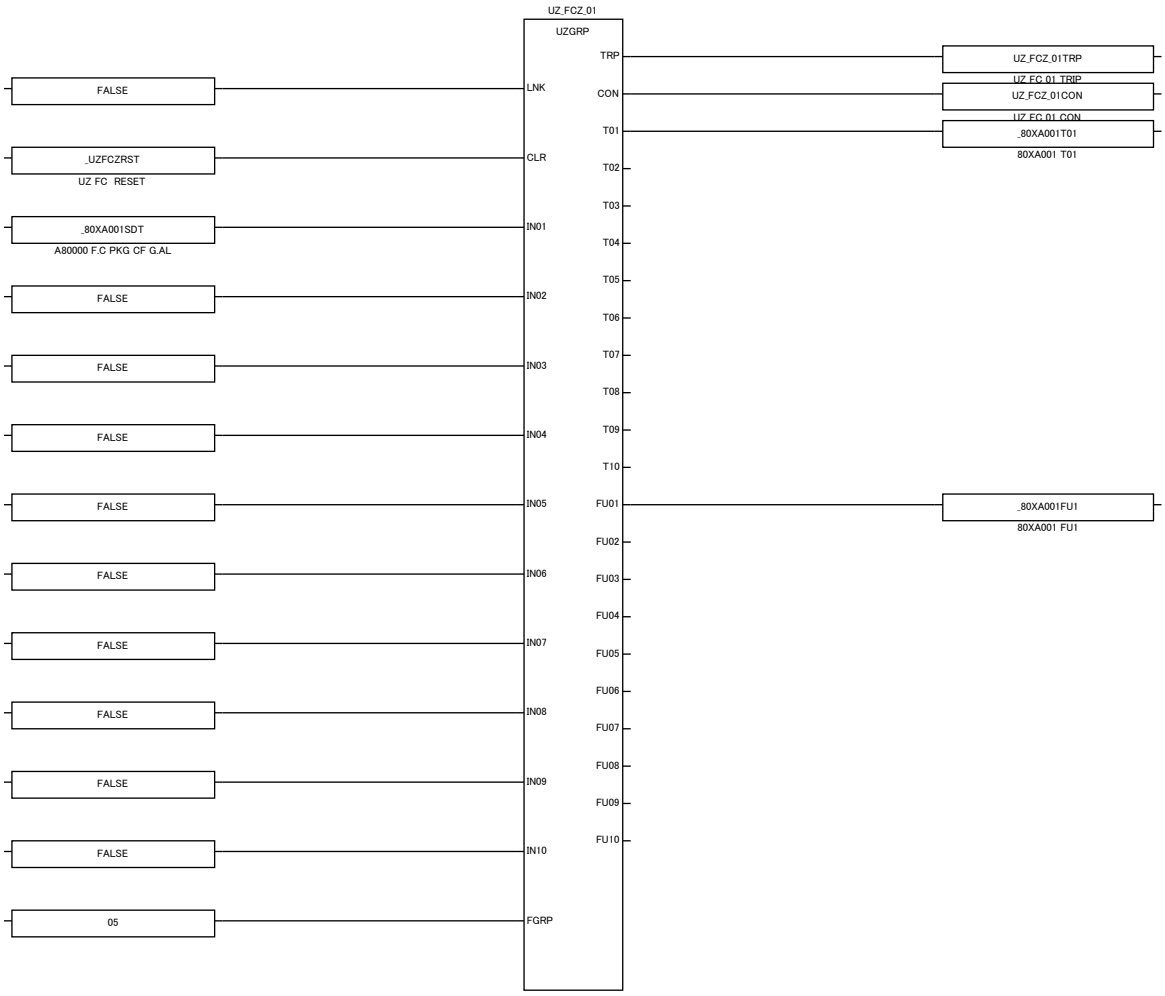
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 129
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 130
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

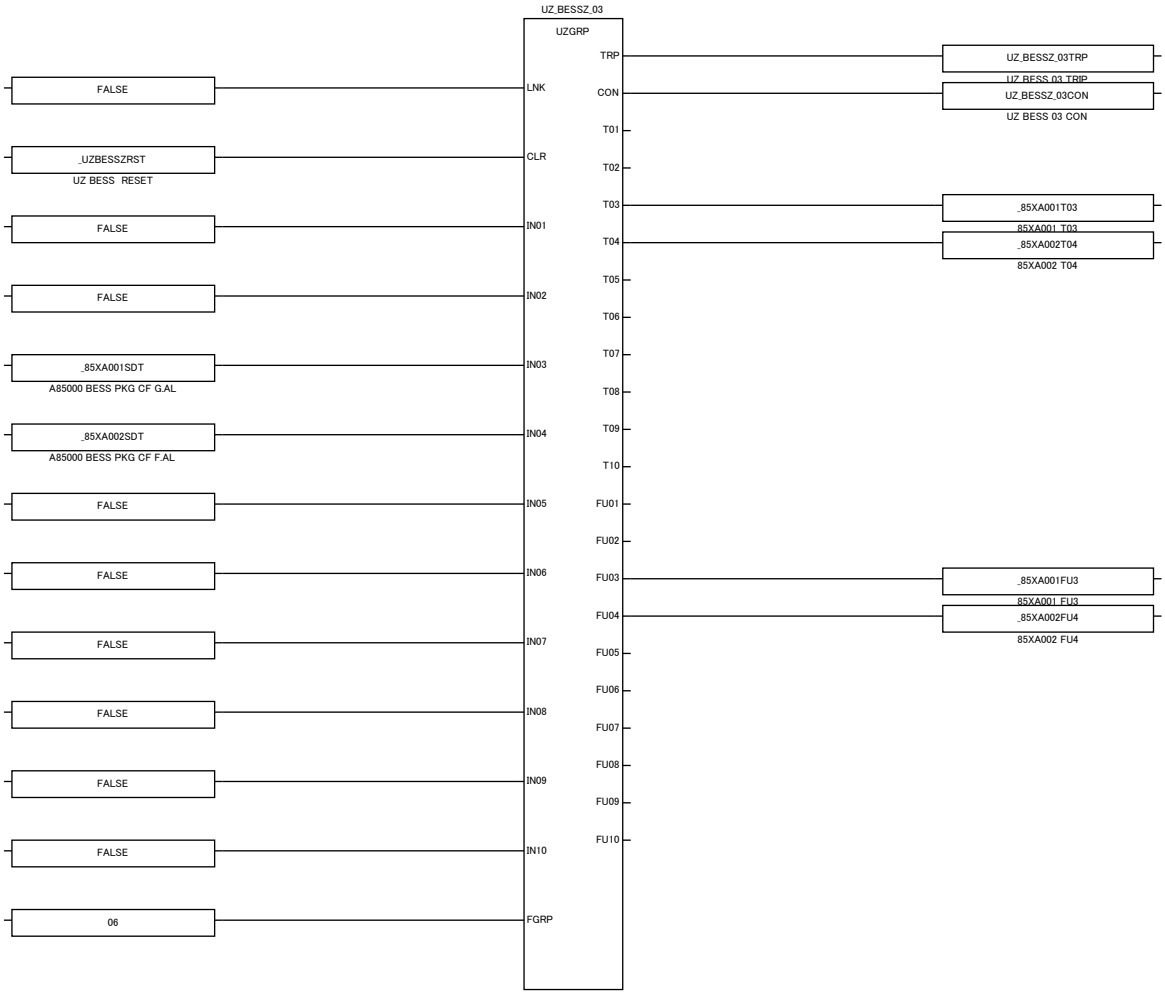


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 131
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

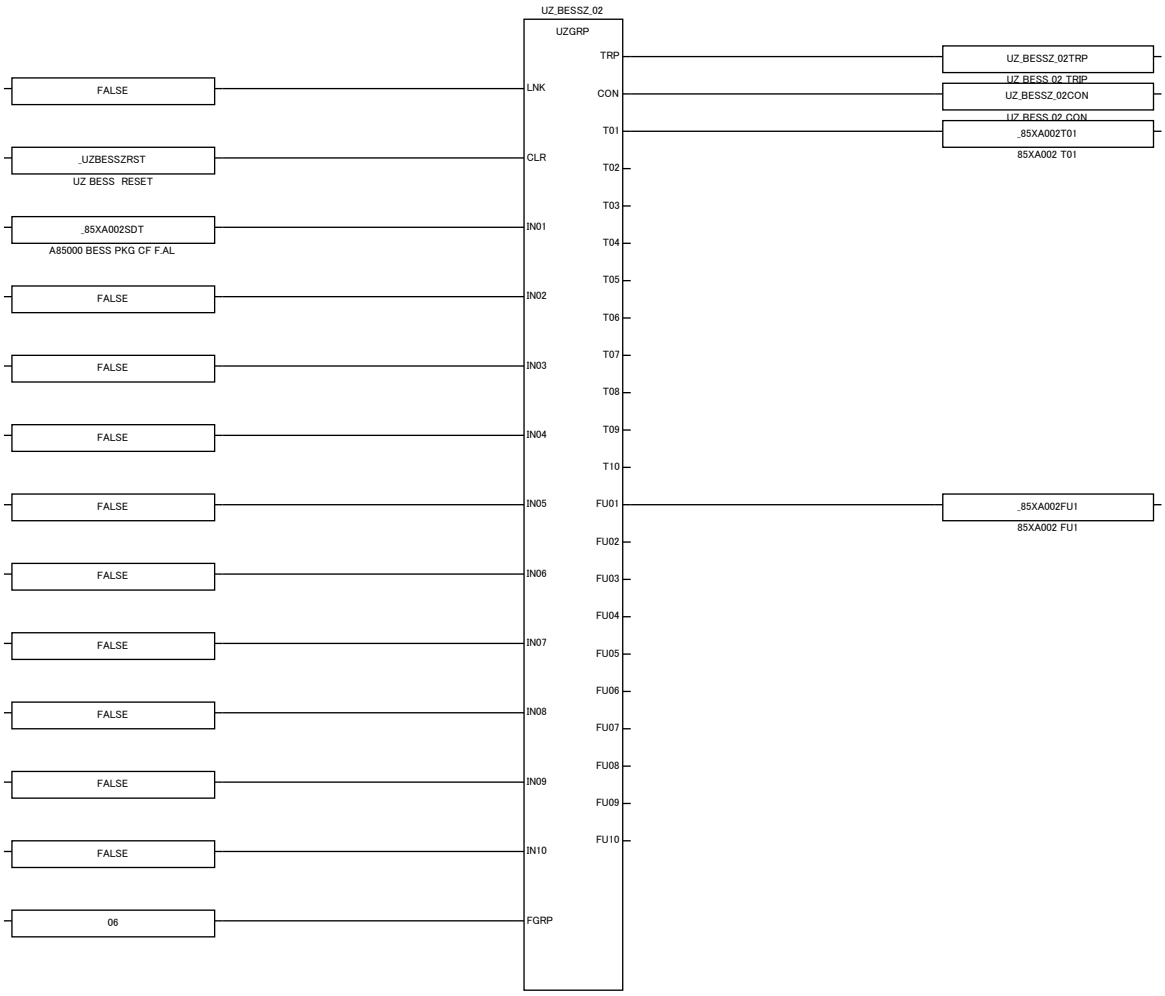


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 132
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

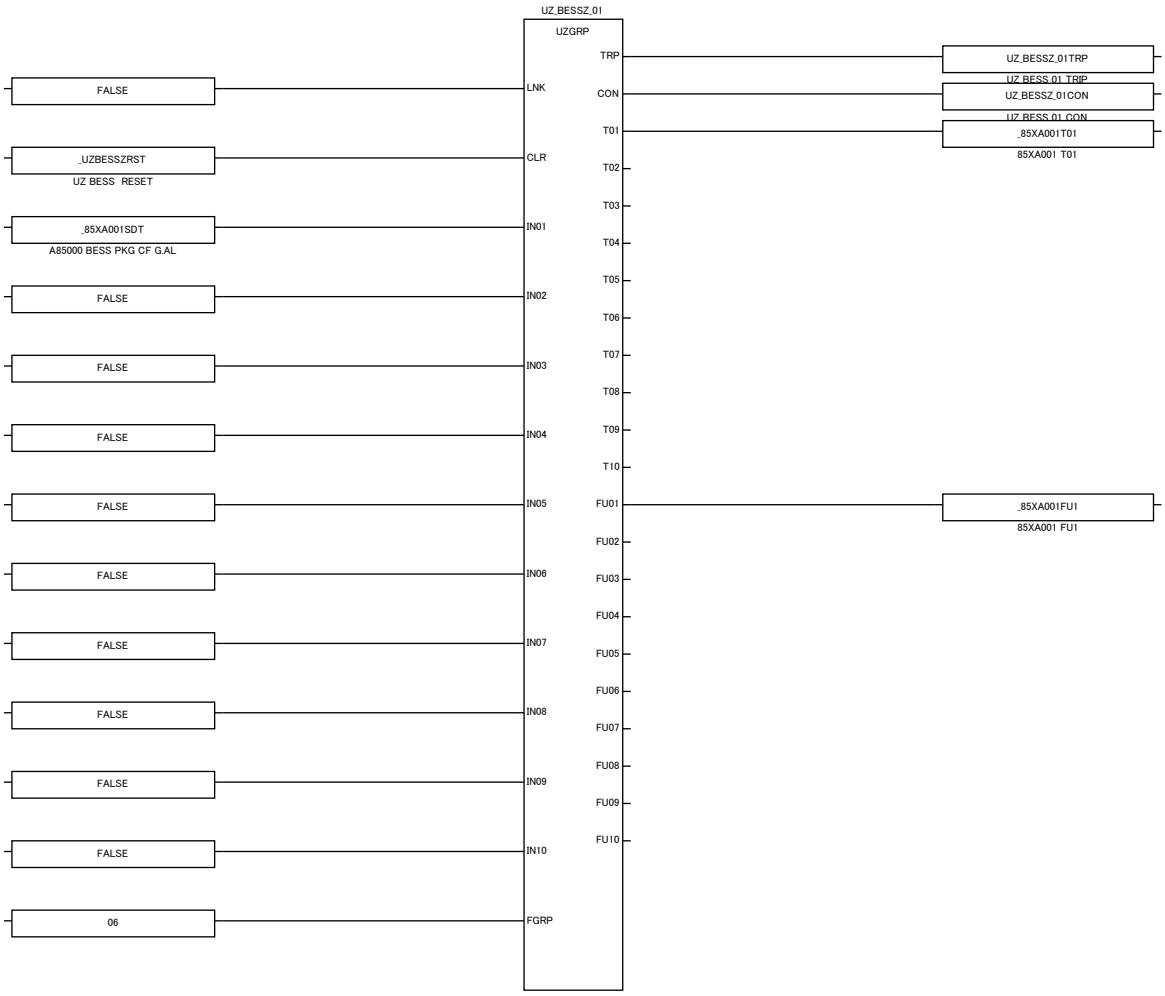
1.37. CE_LOGIC_06(* C&E Interlock Logic *)



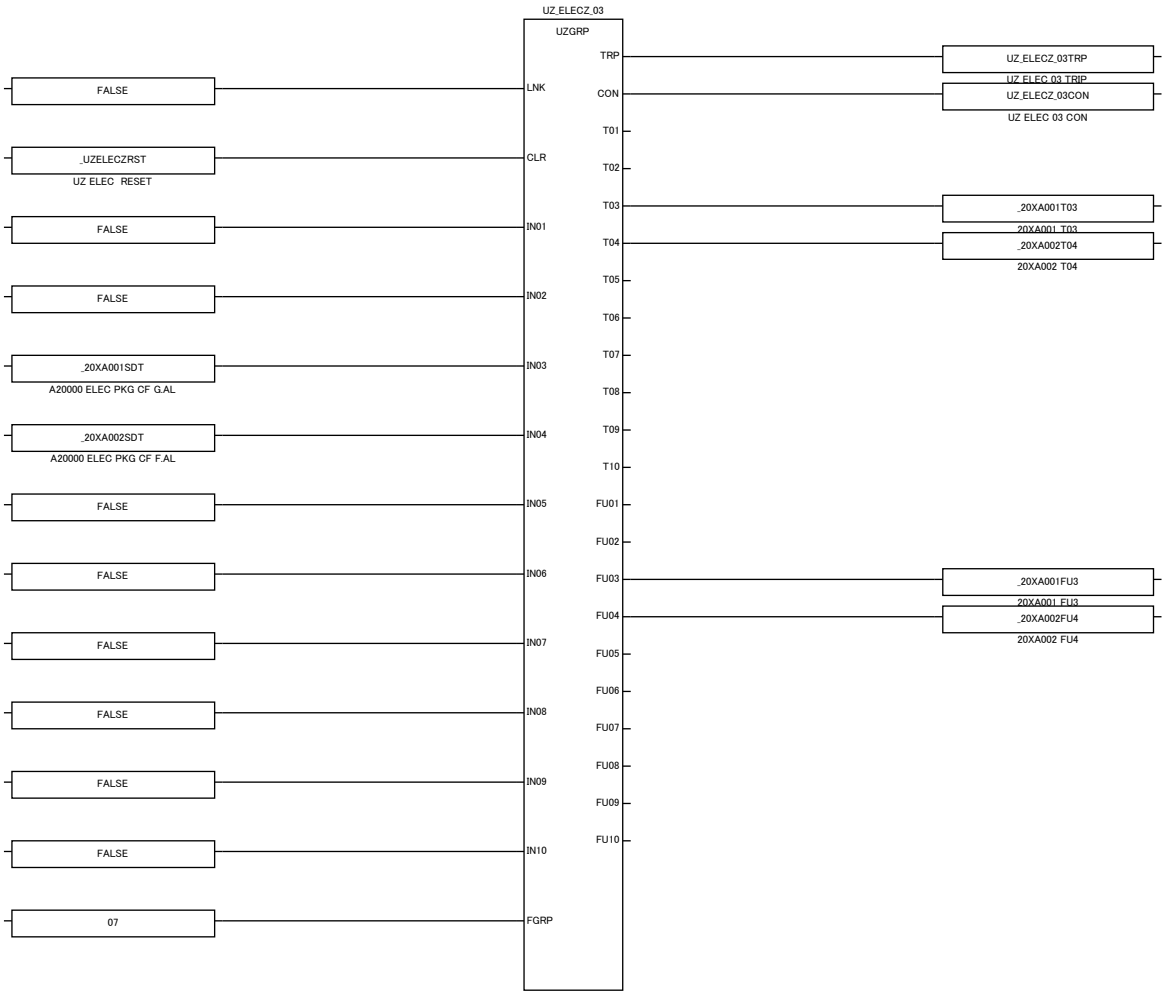
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 133
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



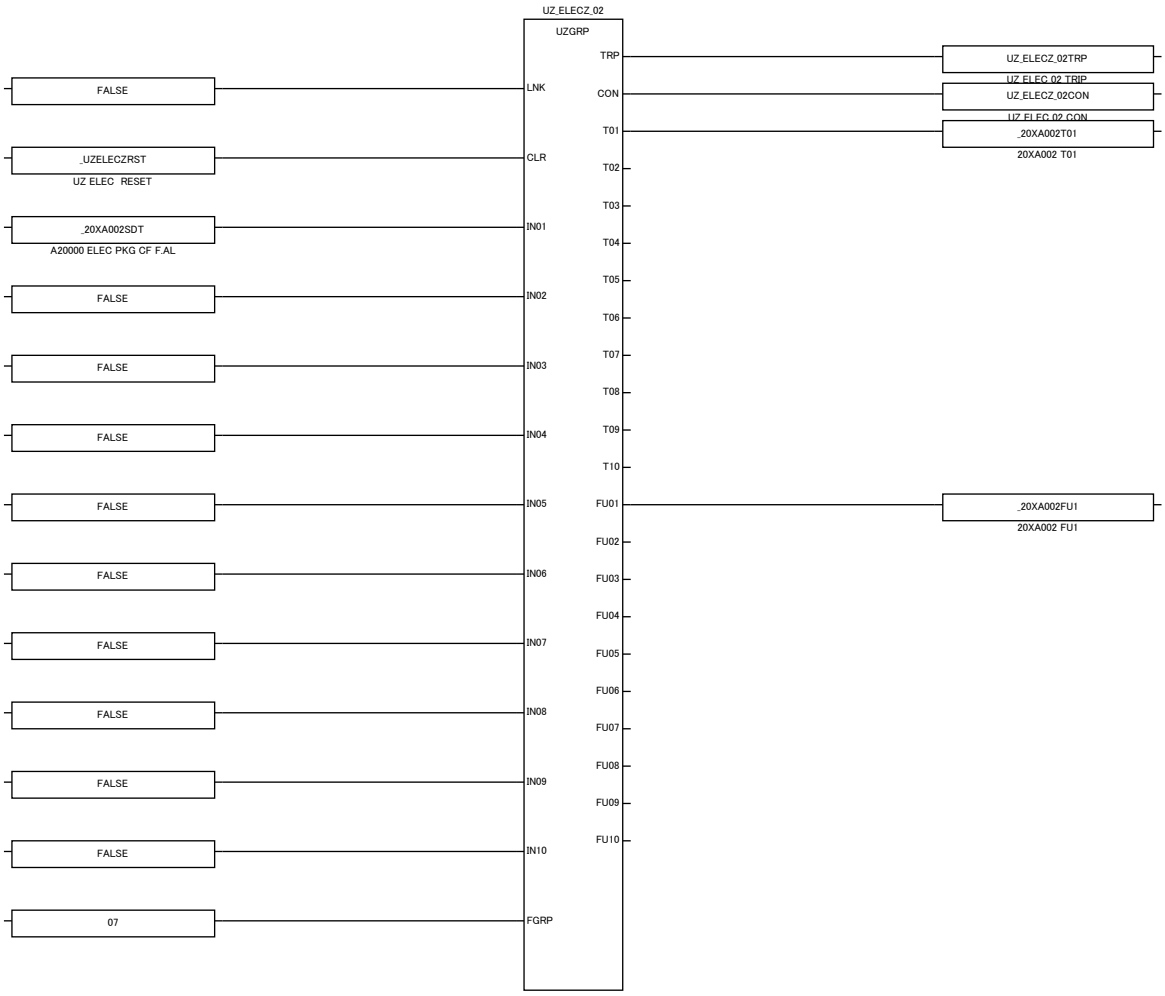
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 134
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



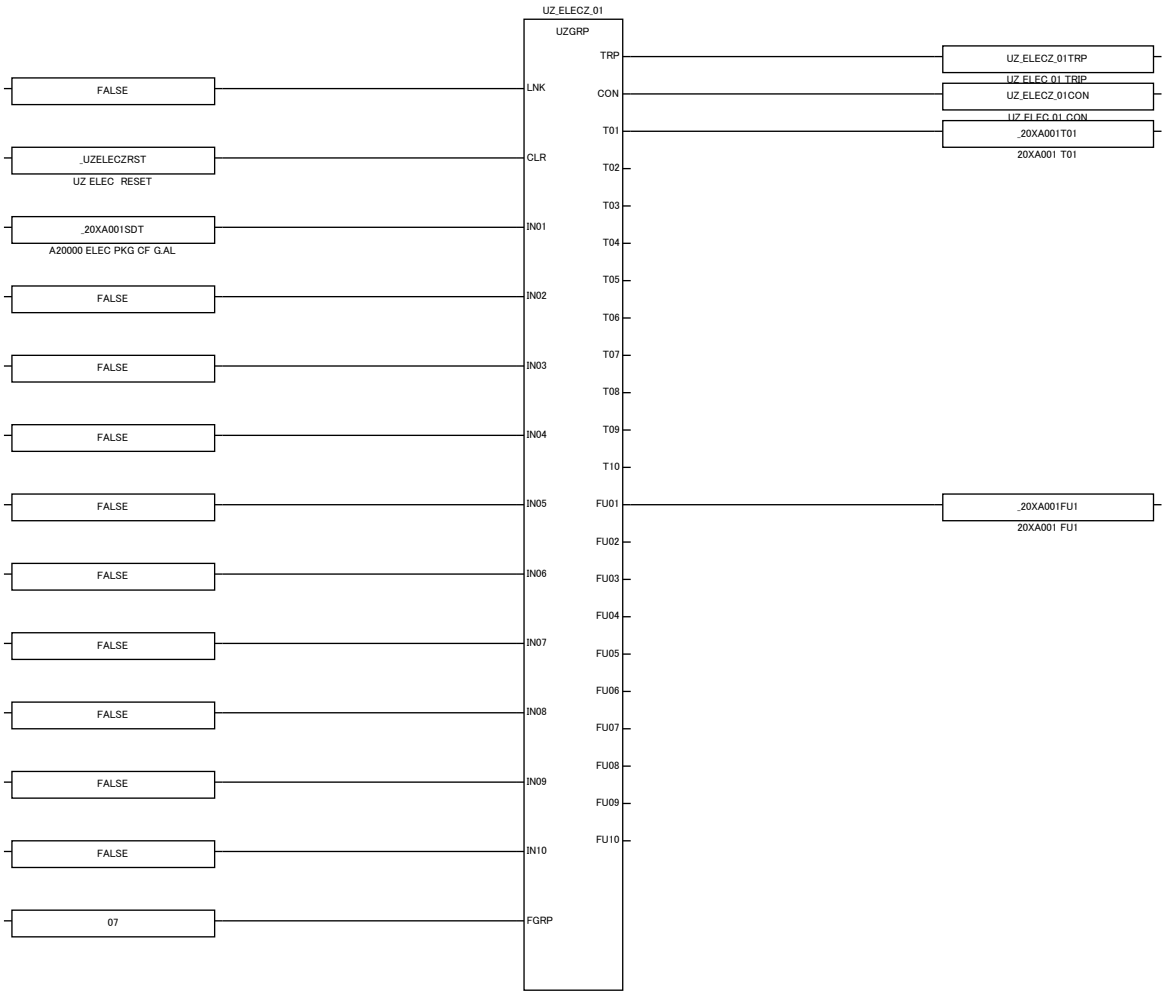
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 135
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 136
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

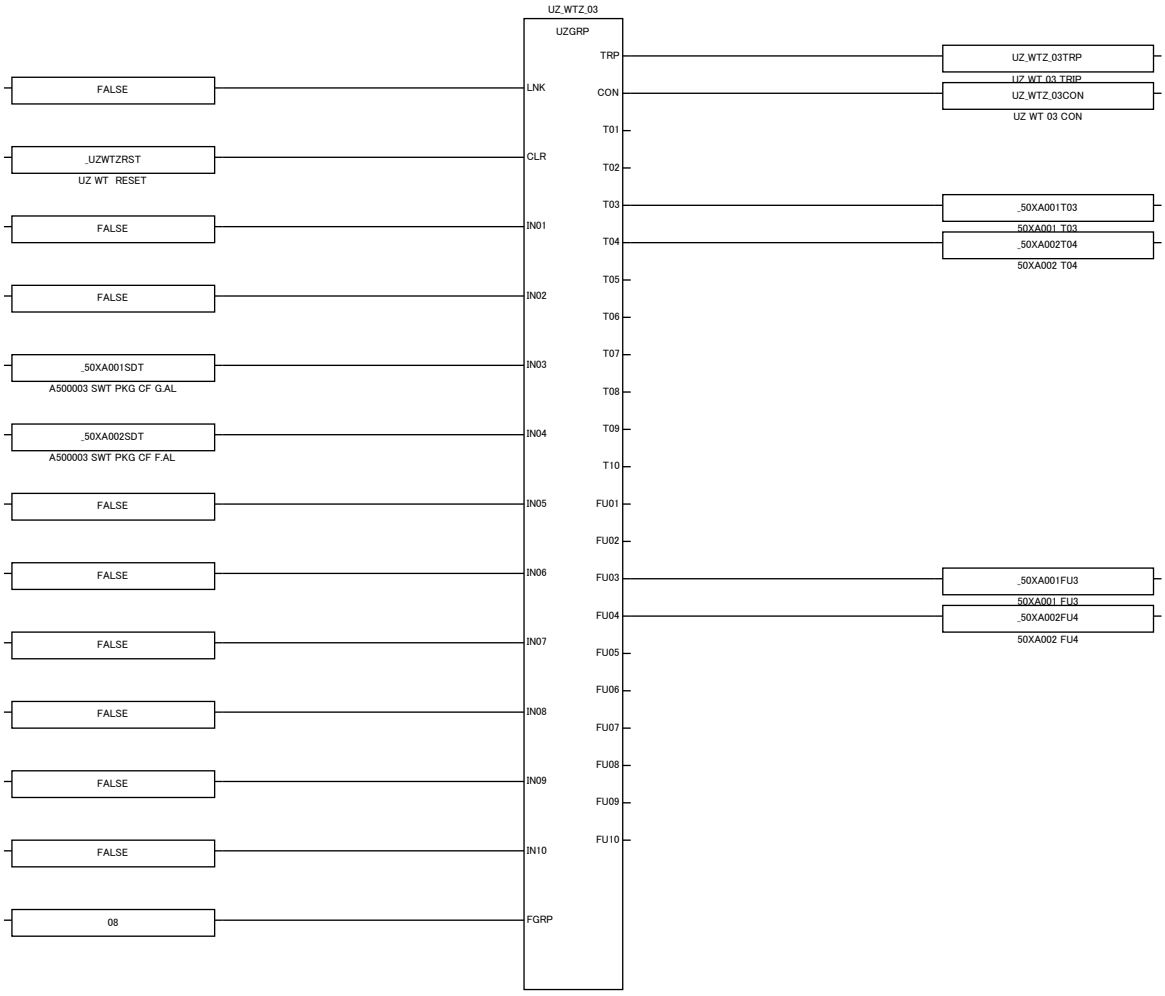


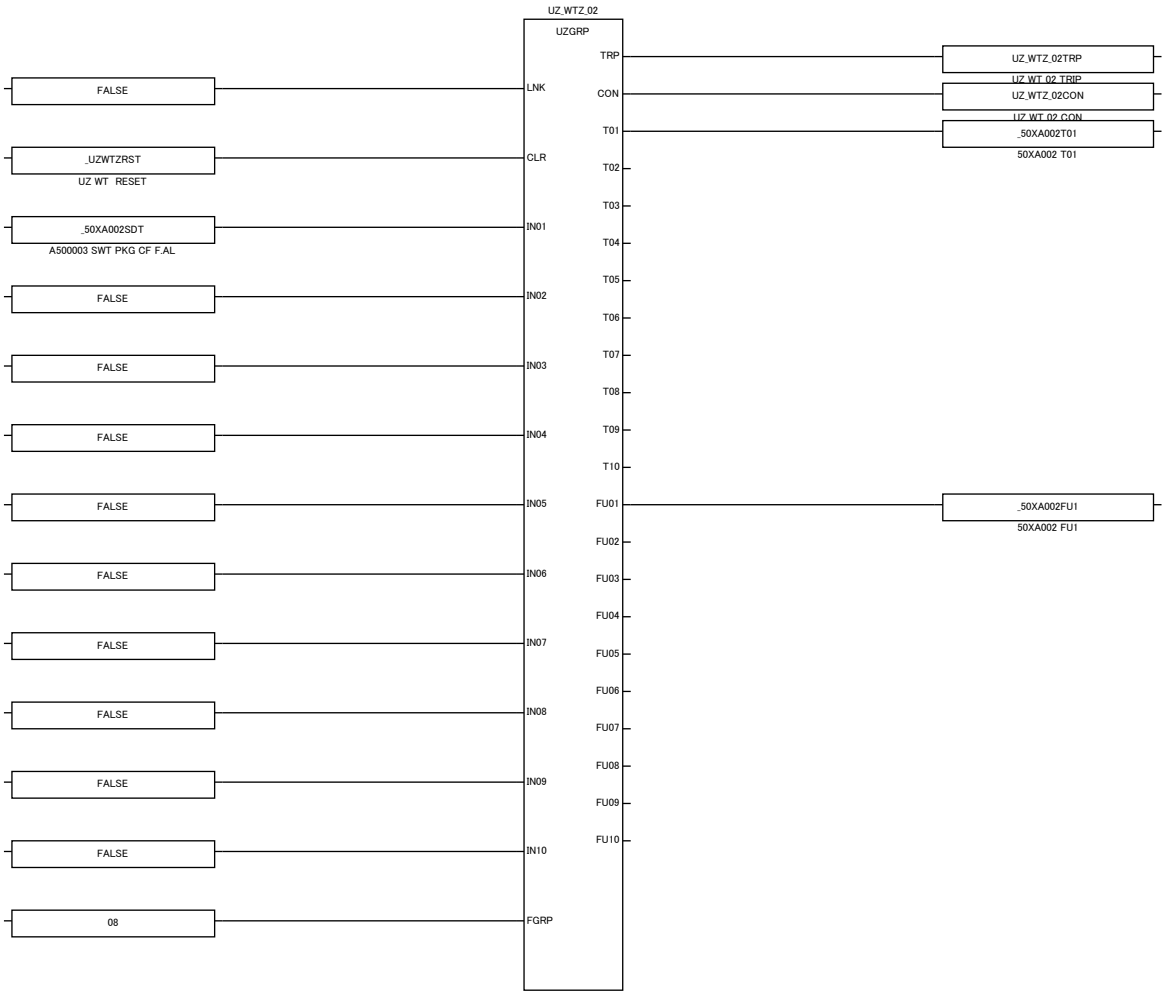
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 137
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



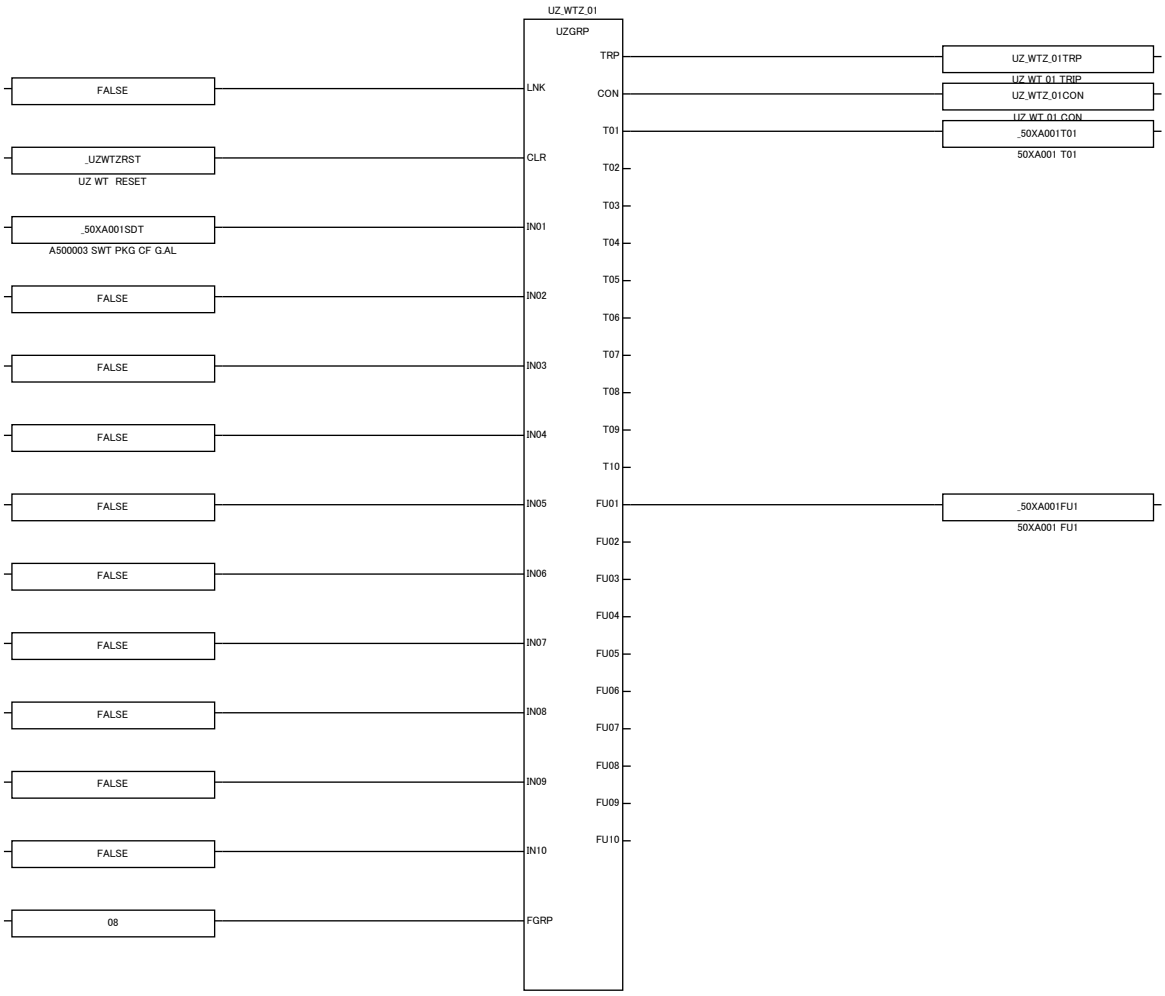
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 138
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

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

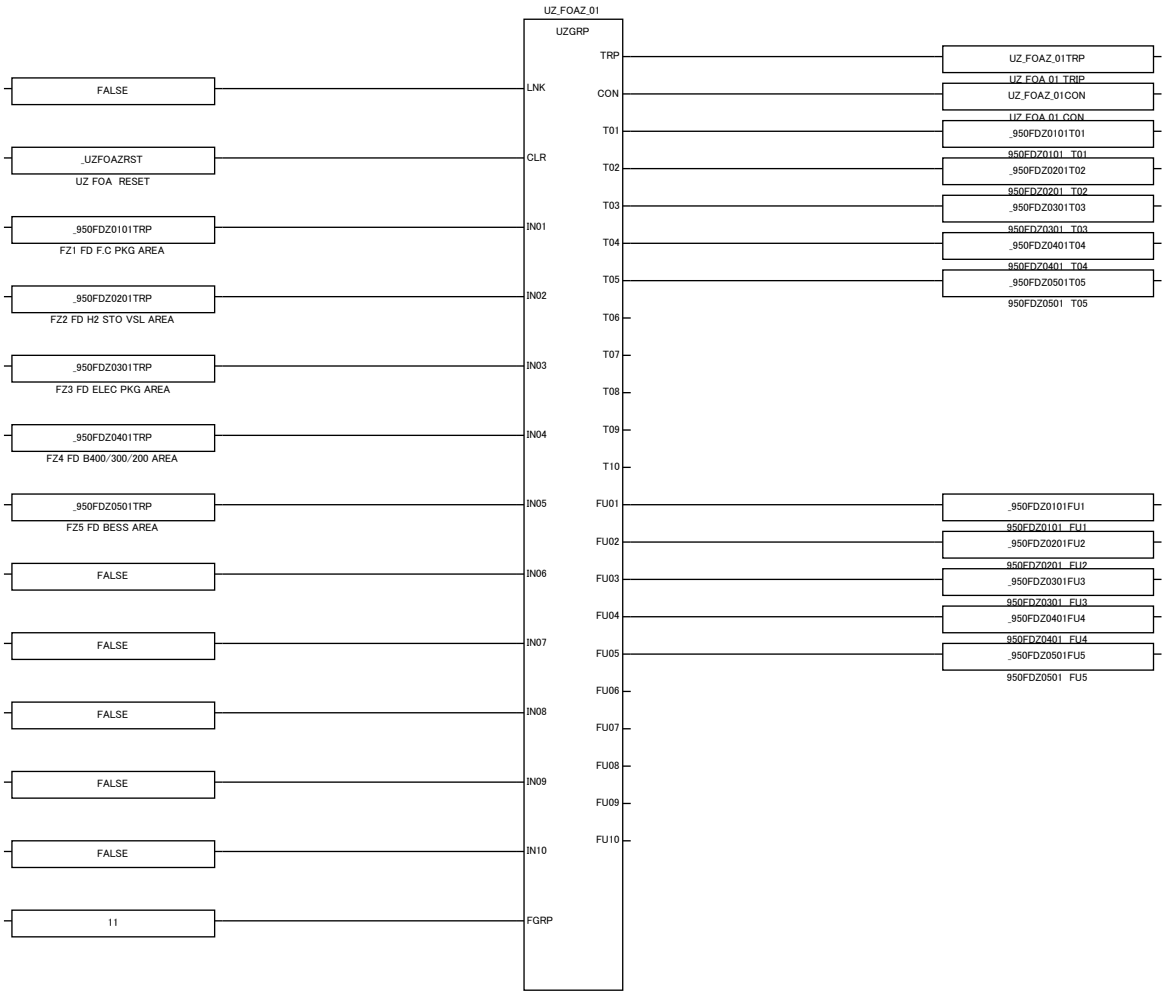




AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 140
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

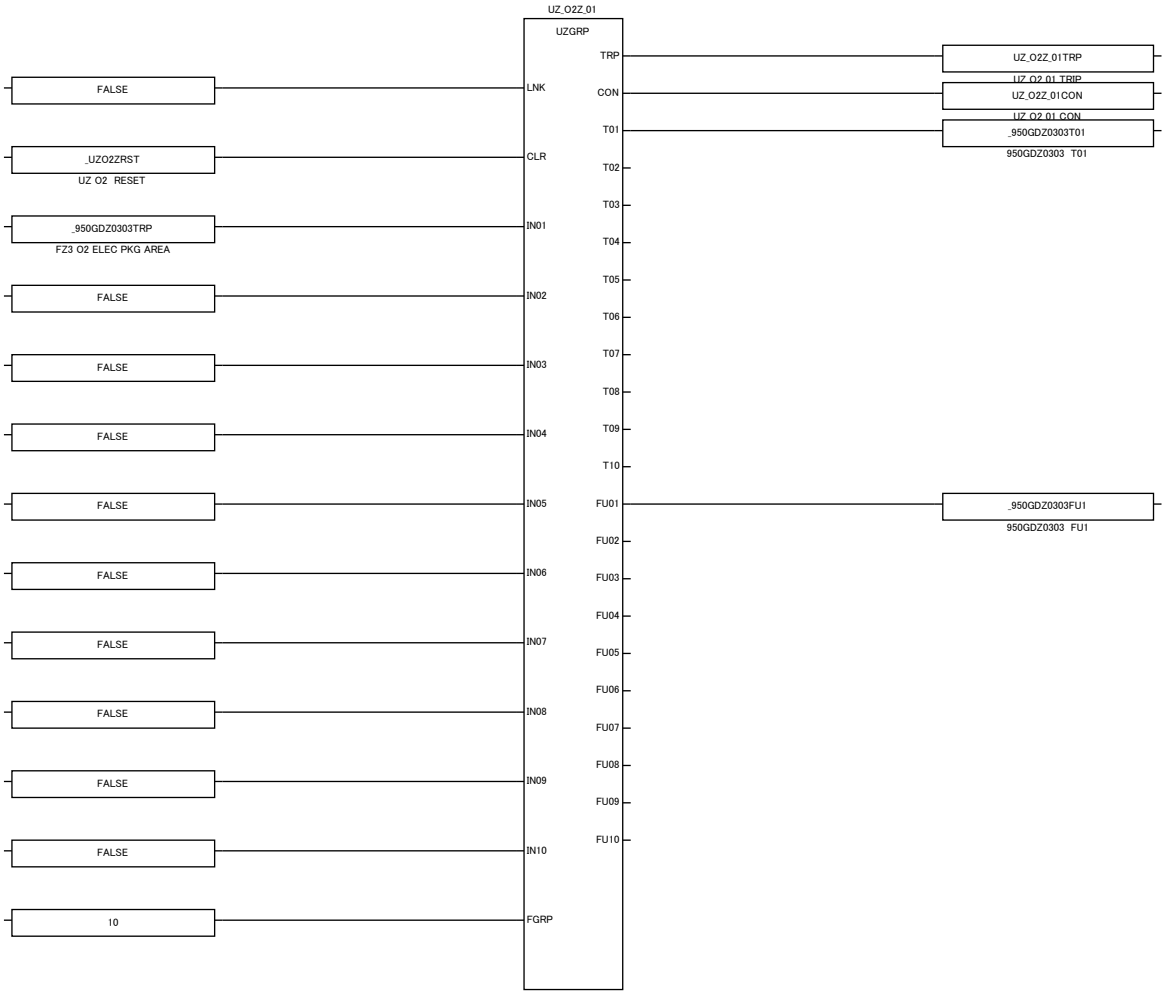


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 141
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

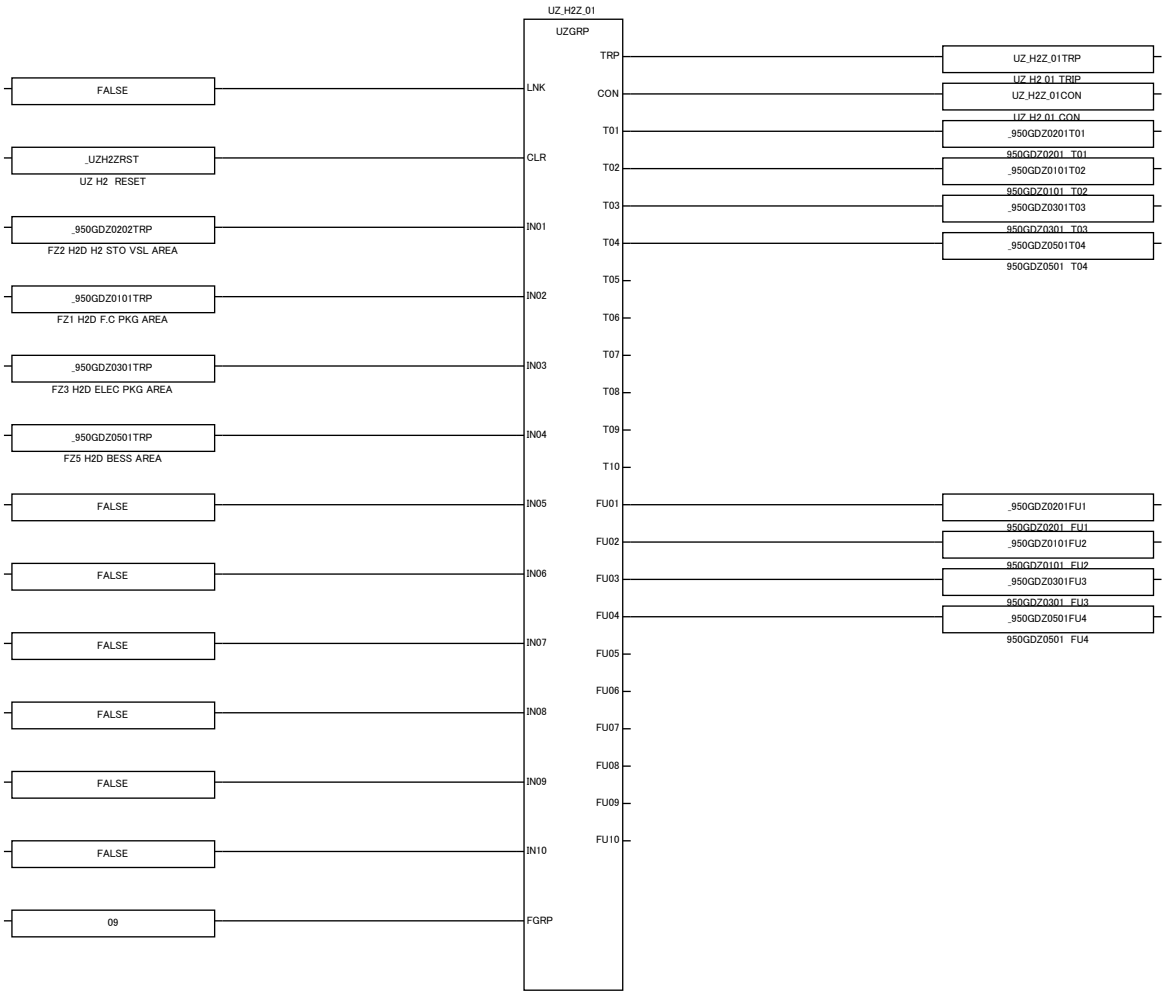


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 142
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

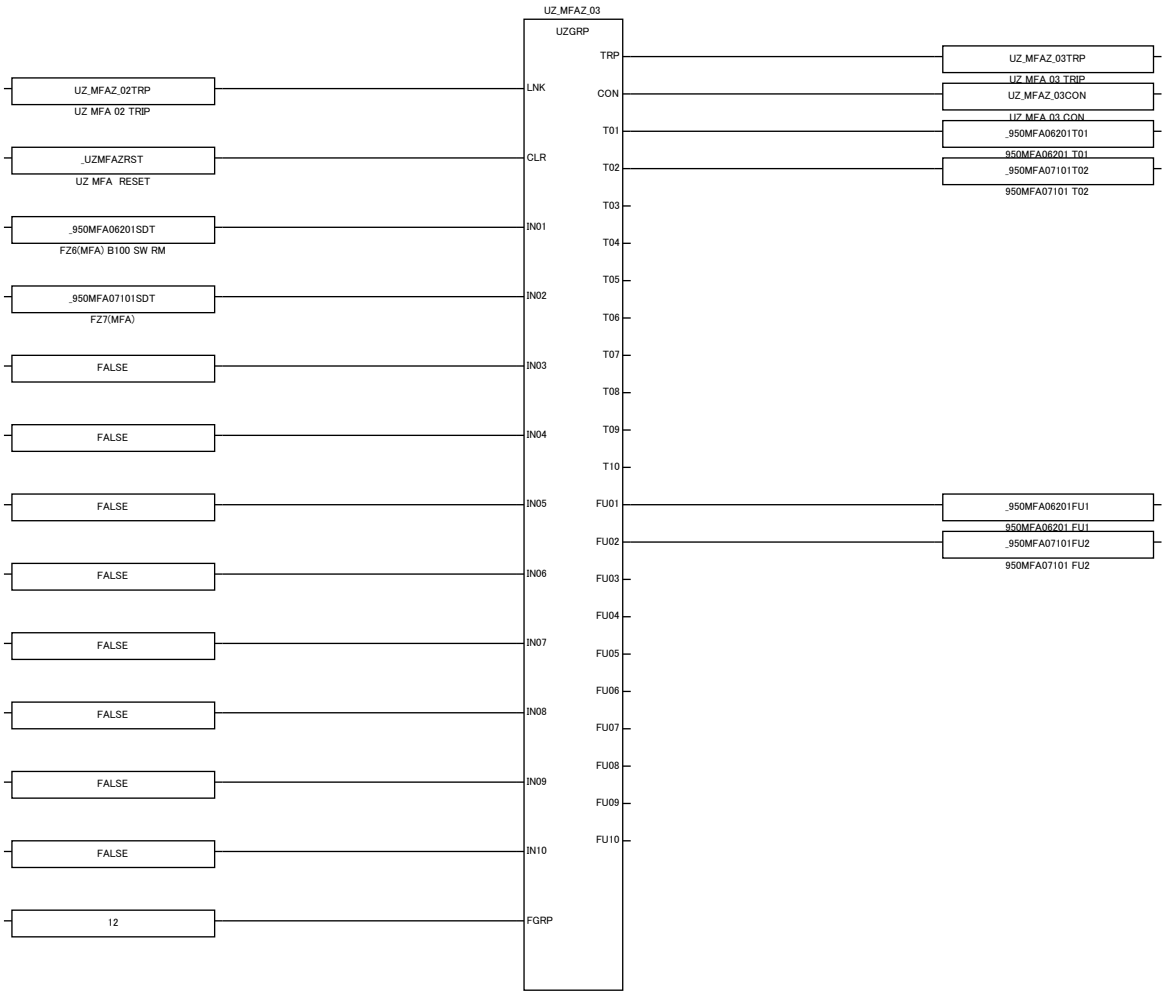
1.39. CE_LOGIC_08(* C&E Interlock Logic *)



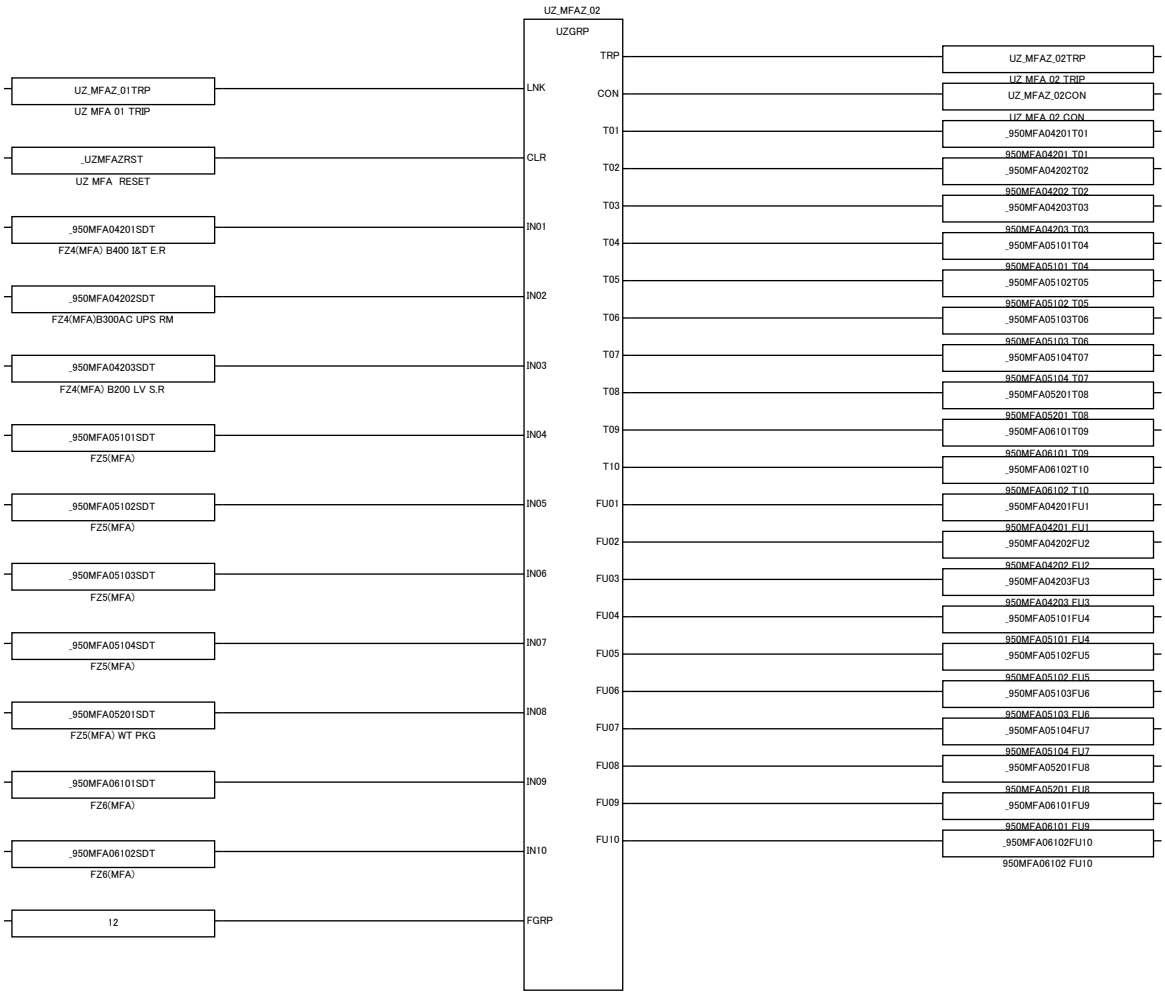
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 143
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



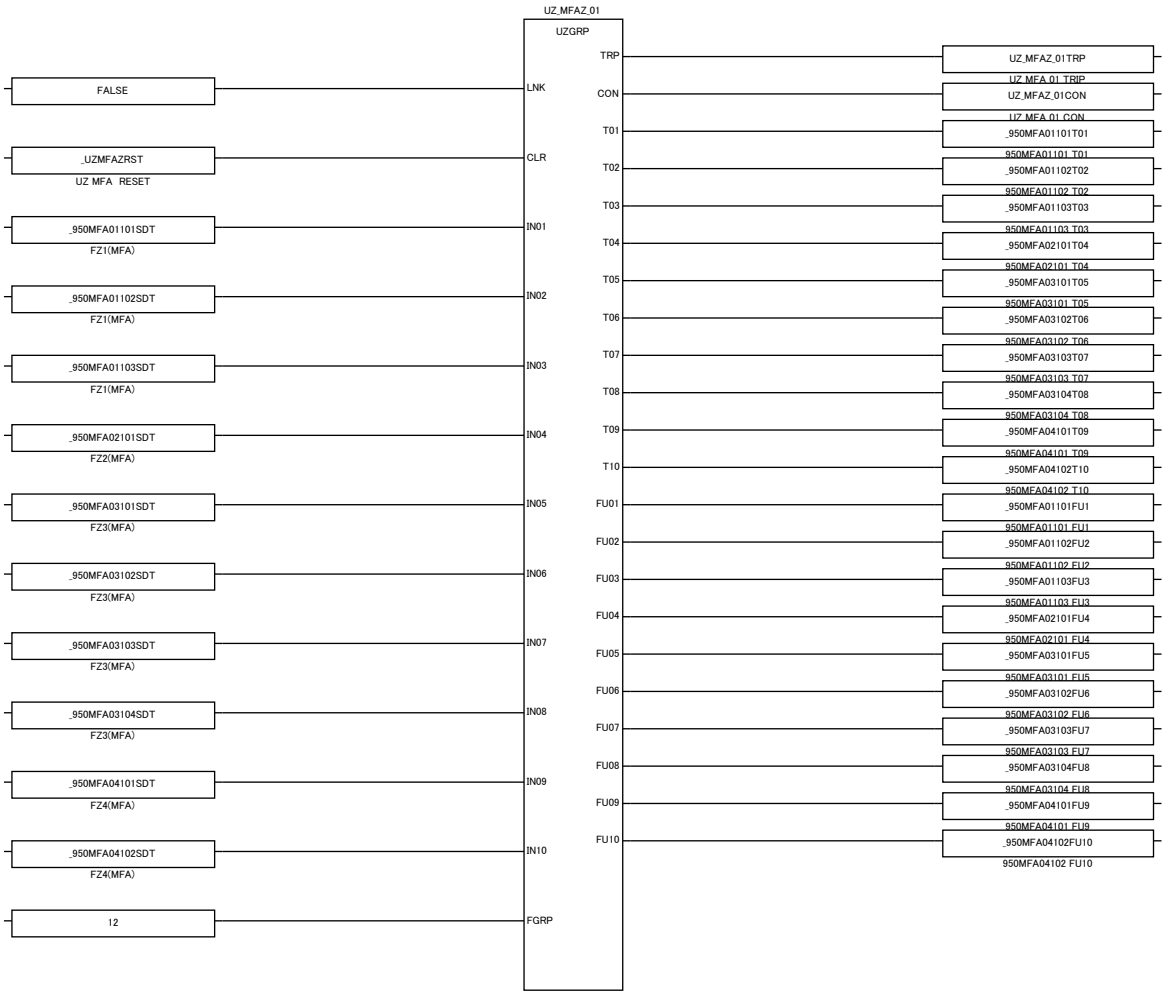
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 144
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



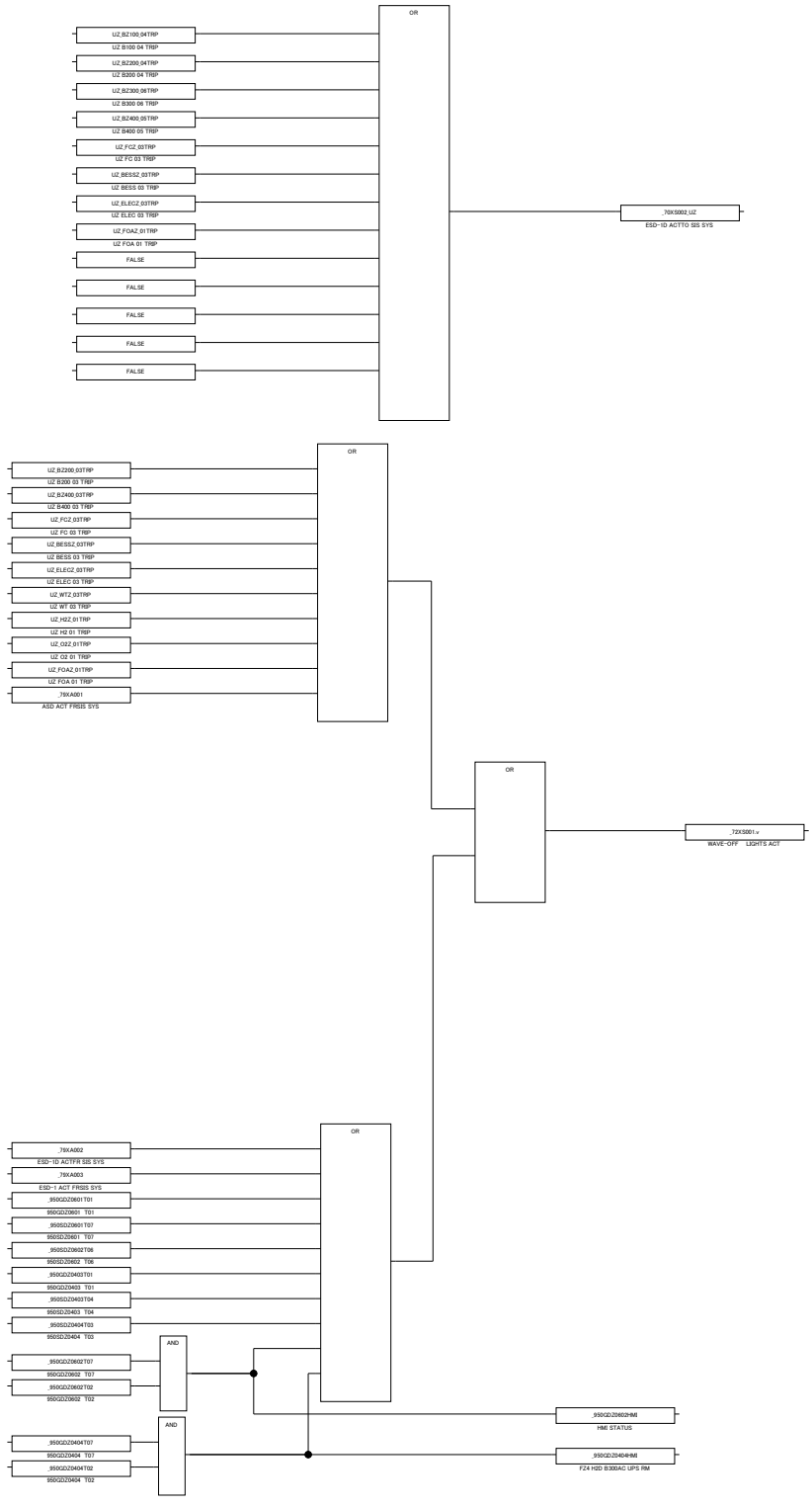
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 145
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



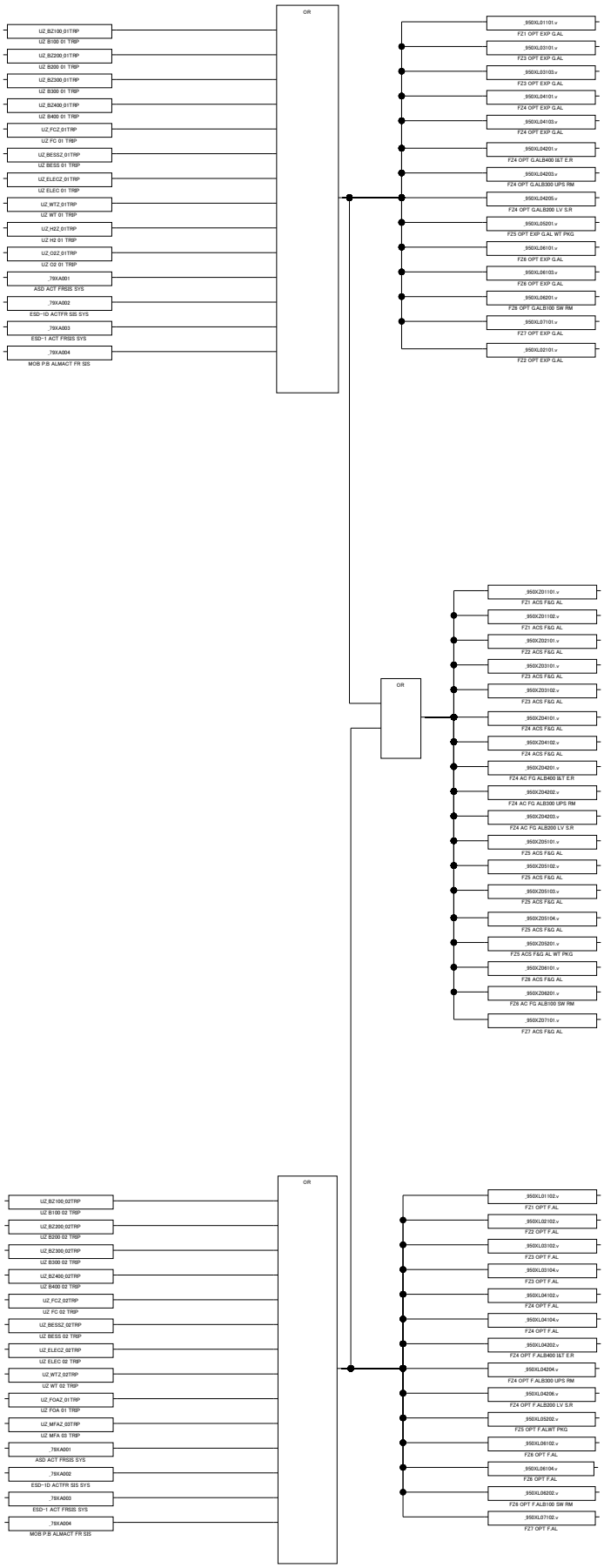
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 146
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 147
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

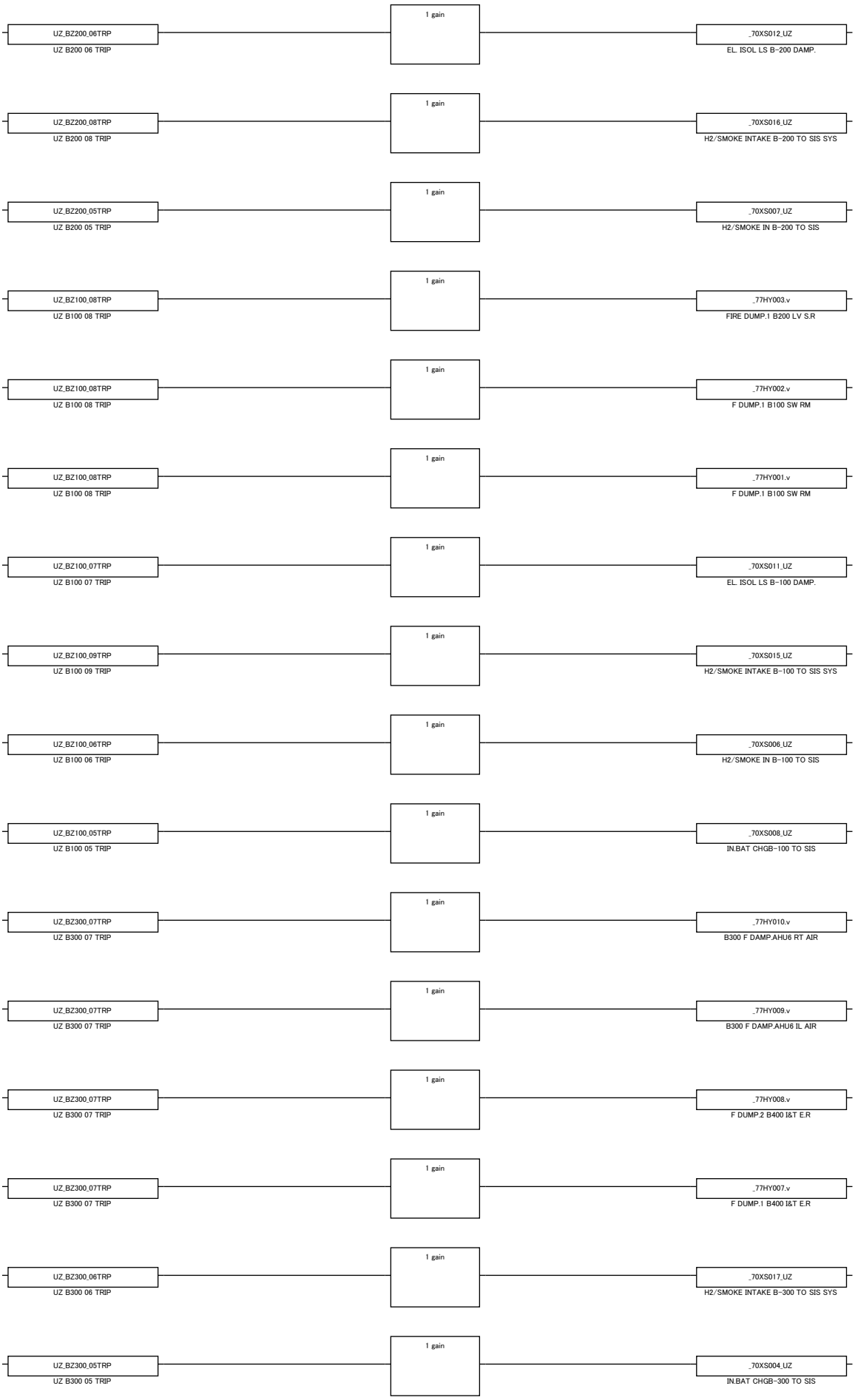


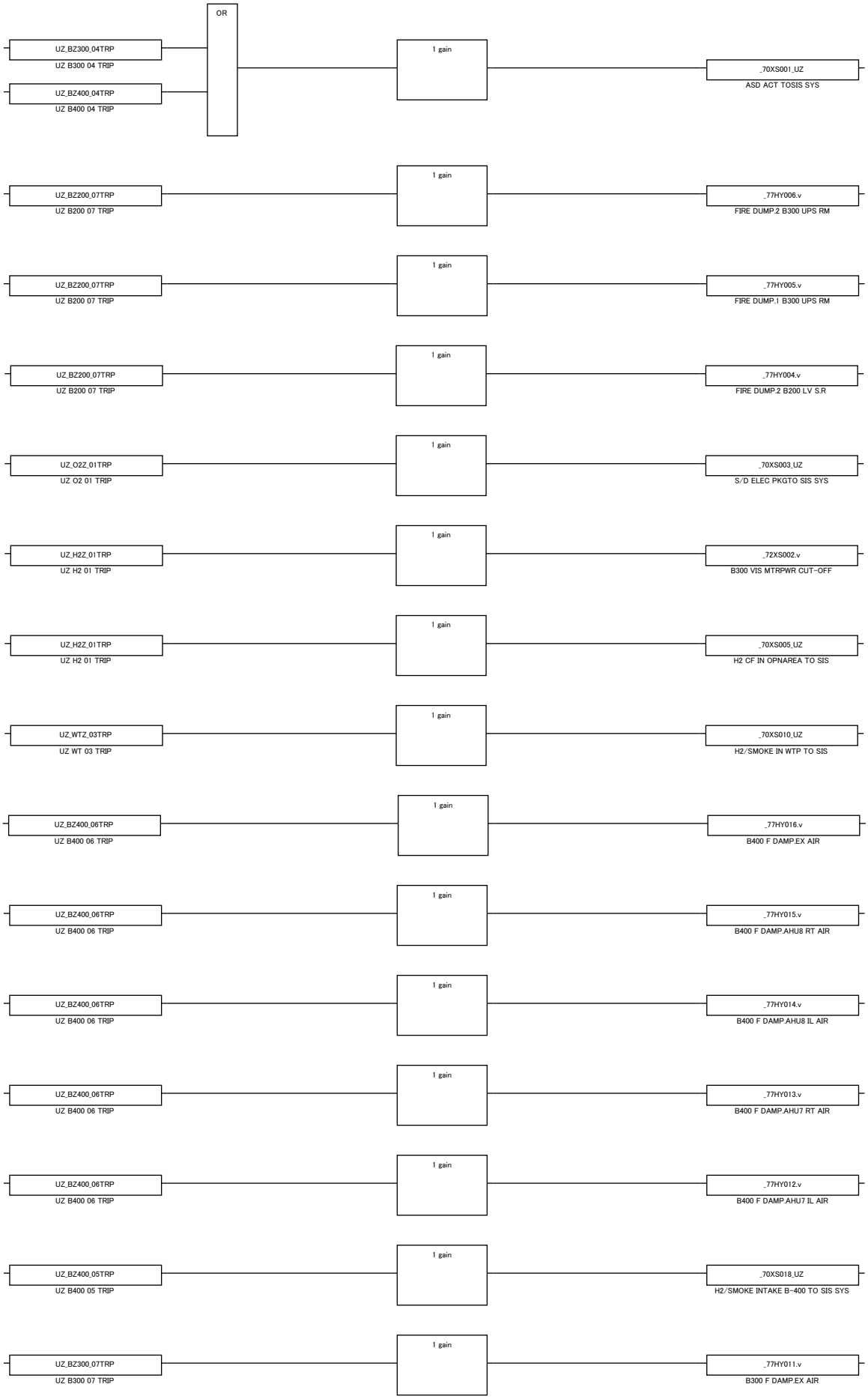
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 148
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FQS		
SYSTEM:	FQS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	55		



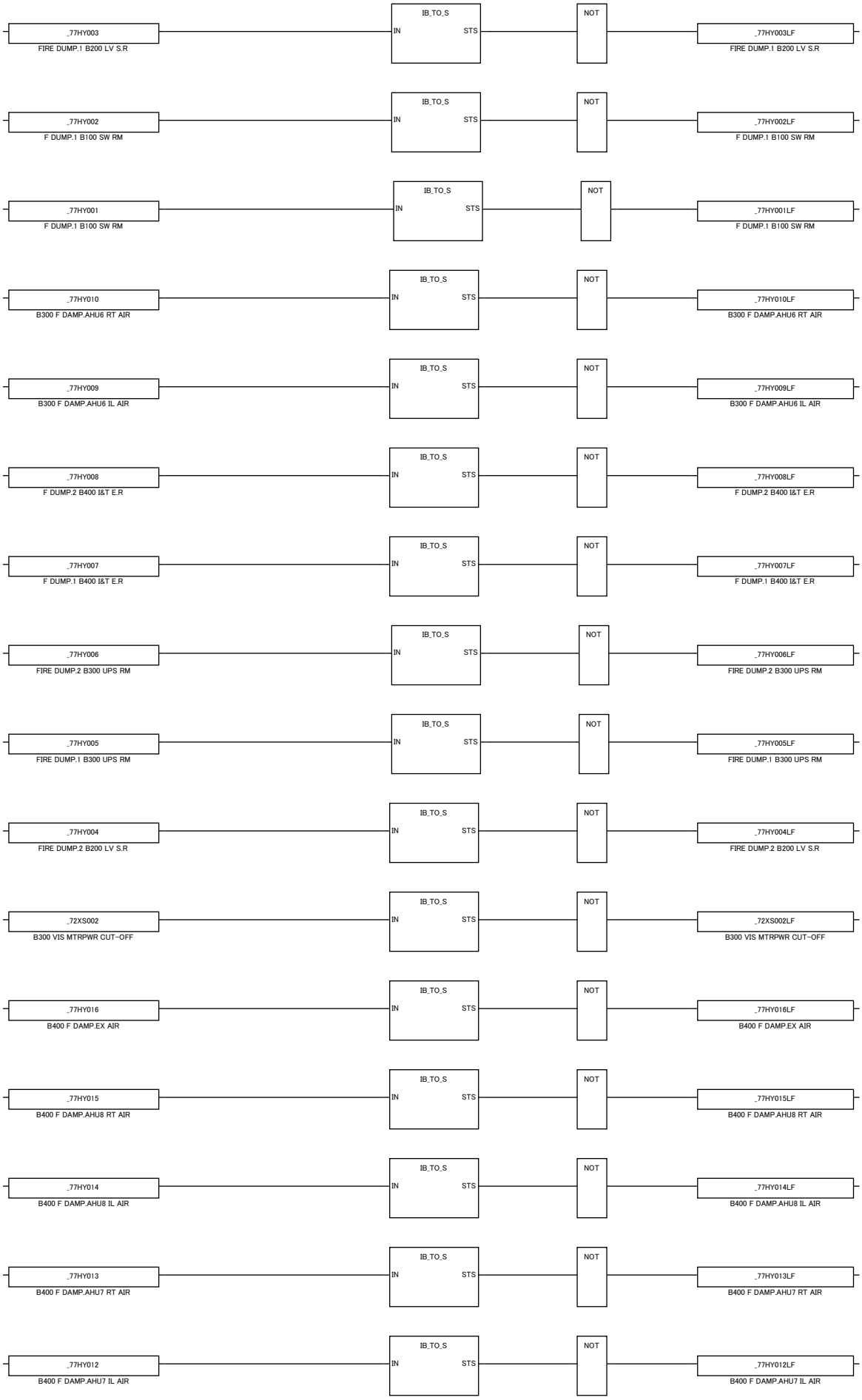
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 149
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	55		

1.41. DO2(* Digital Output Processing *)

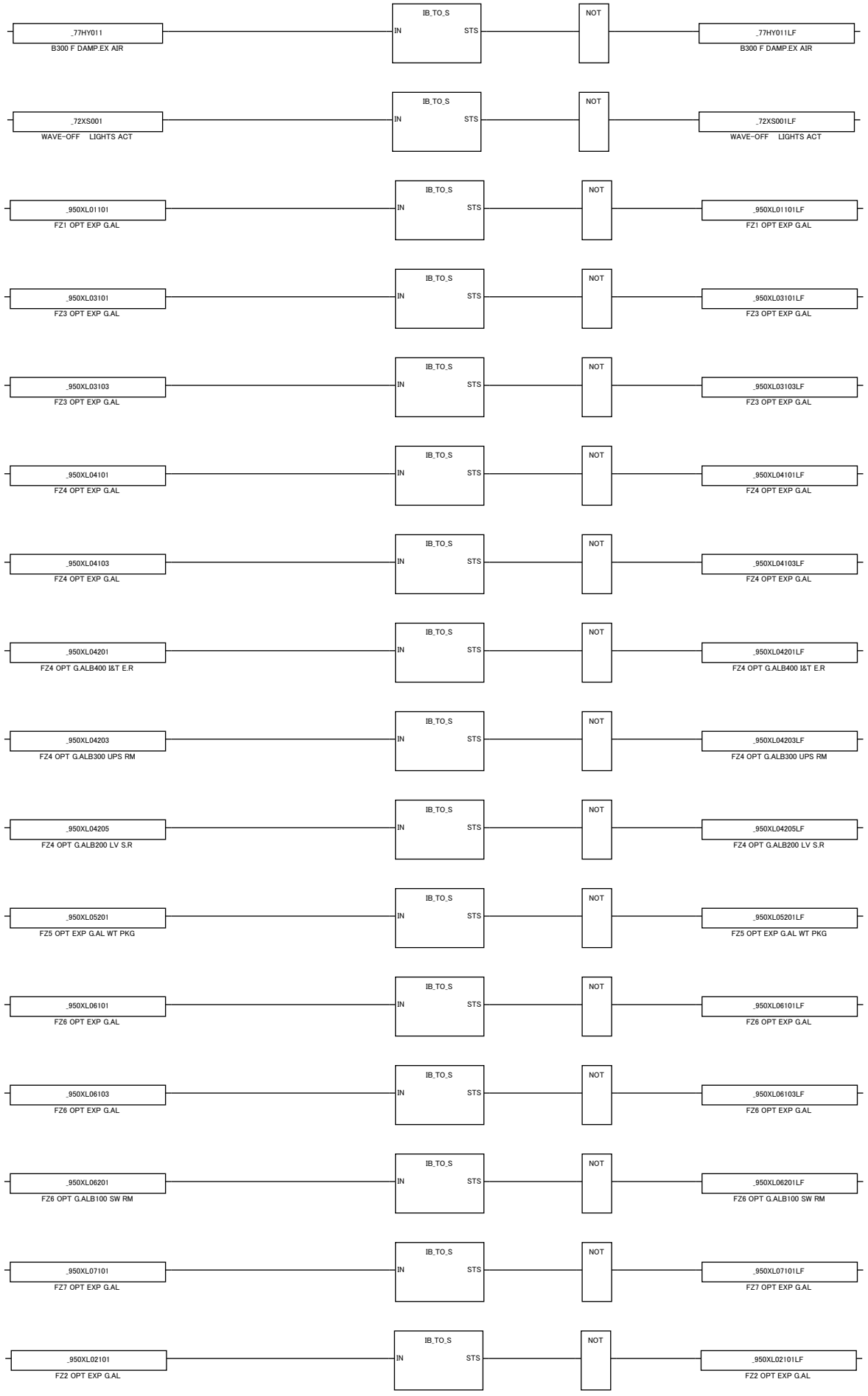




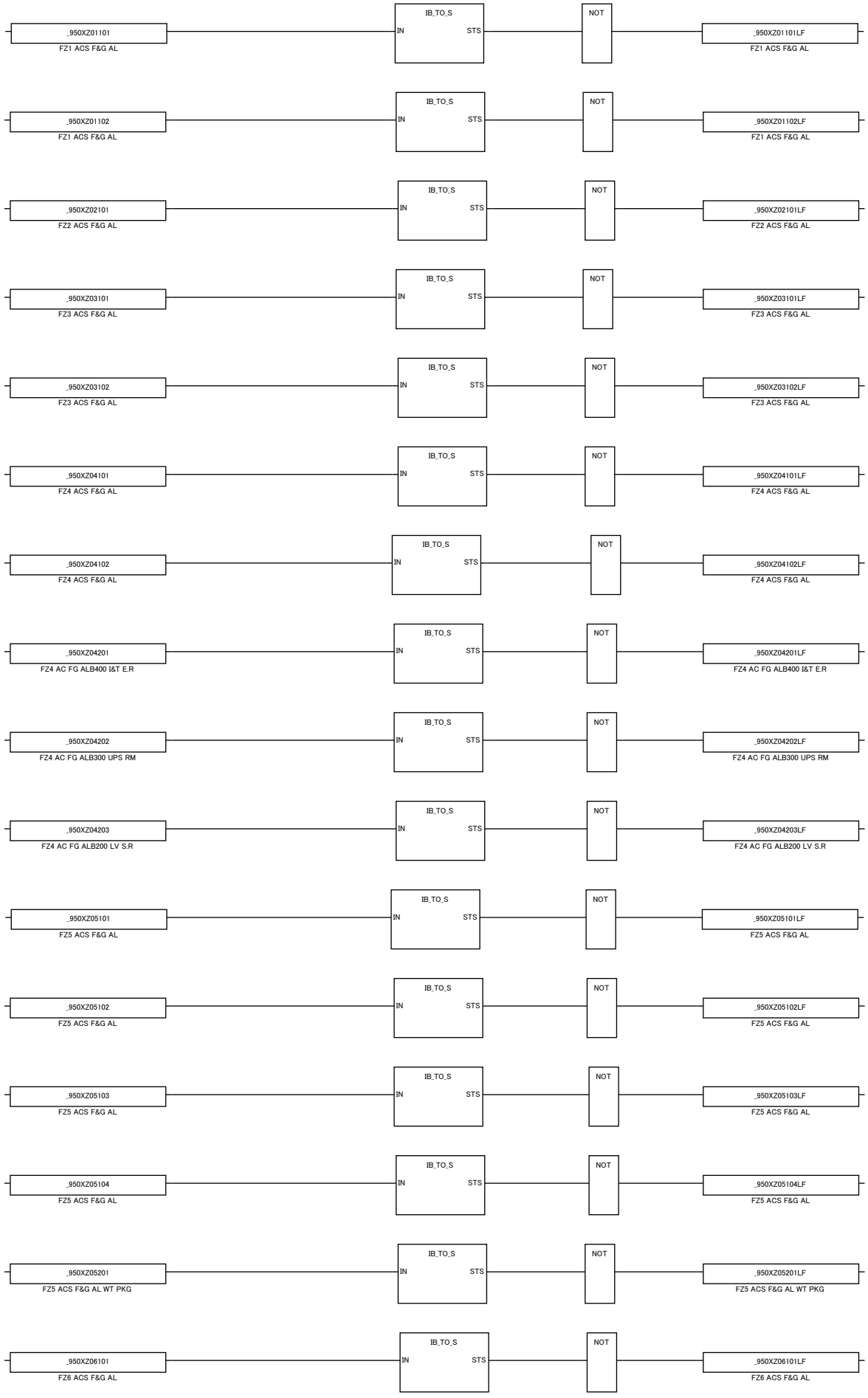
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 151
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

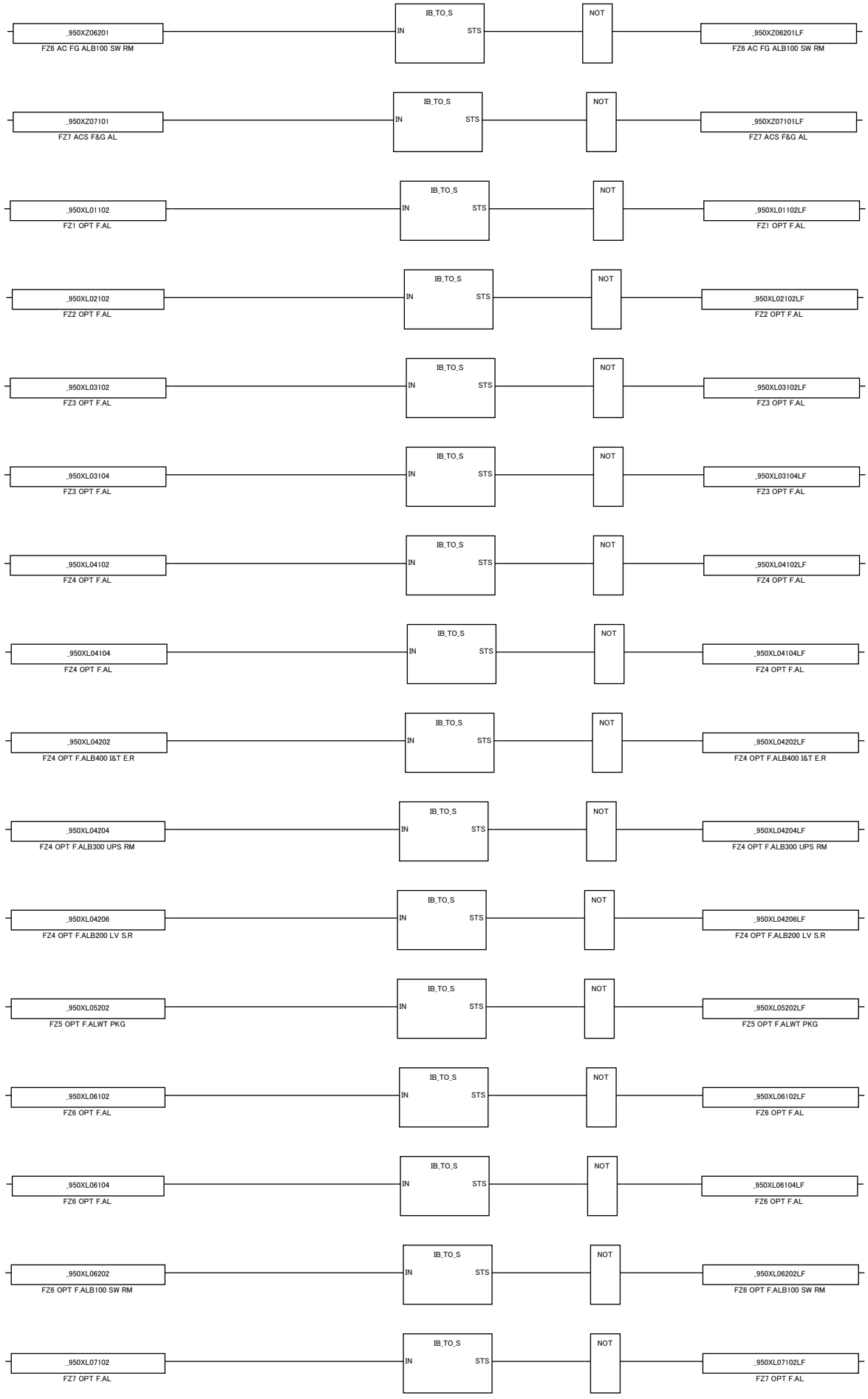


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 152
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

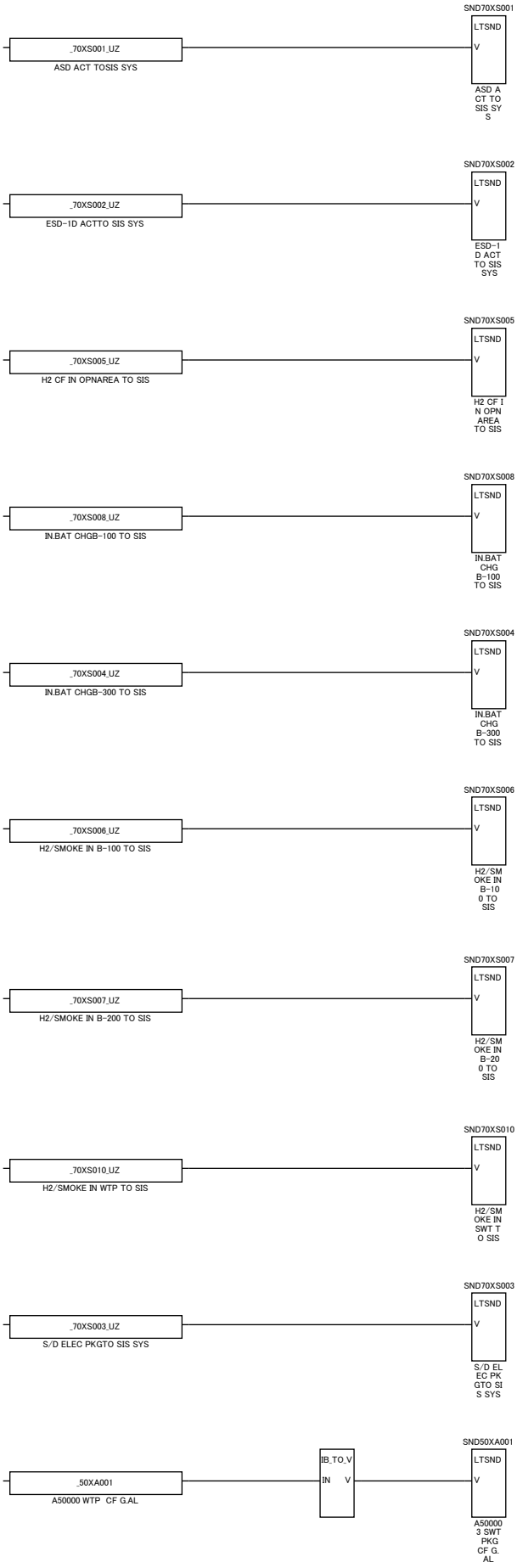


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 153
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		


_950XZ01101
FZ1 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ01101LF
FZ1 ACS F&G AL
_950XZ01102
FZ1 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ01102LF
FZ1 ACS F&G AL
_950XZ02101
FZ2 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ02101LF
FZ2 ACS F&G AL
_950XZ03101
FZ3 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ03101LF
FZ3 ACS F&G AL
_950XZ03102
FZ3 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ03102LF
FZ3 ACS F&G AL
_950XZ04101
FZ4 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ04101LF
FZ4 ACS F&G AL
_950XZ04102
FZ4 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ04102LF
FZ4 ACS F&G AL
_950XZ04201
FZ4 AC FG ALB400 I&T E.R
IB_TO_S
IN
STS
NOT
_950XZ04201LF
FZ4 AC FG ALB400 I&T E.R
_950XZ04202
FZ4 AC FG ALB300 UPS RM
IB_TO_S
IN
STS
NOT
_950XZ04202LF
FZ4 AC FG ALB300 UPS RM
_950XZ04203
FZ4 AC FG ALB200 LV S.R
IB_TO_S
IN
STS
NOT
_950XZ04203LF
FZ4 AC FG ALB200 LV S.R
_950XZ05101
FZ5 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ05101LF
FZ5 ACS F&G AL
_950XZ05102
FZ5 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ05102LF
FZ5 ACS F&G AL
_950XZ05103
FZ5 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ05103LF
FZ5 ACS F&G AL
_950XZ05104
FZ5 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ05104LF
FZ5 ACS F&G AL
_950XZ05201
FZ5 ACS F&G AL WT PKG
IB_TO_S
IN
STS
NOT
_950XZ05201LF
FZ5 ACS F&G AL WT PKG
_950XZ06101
FZ6 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ06101LF
FZ6 ACS F&G AL

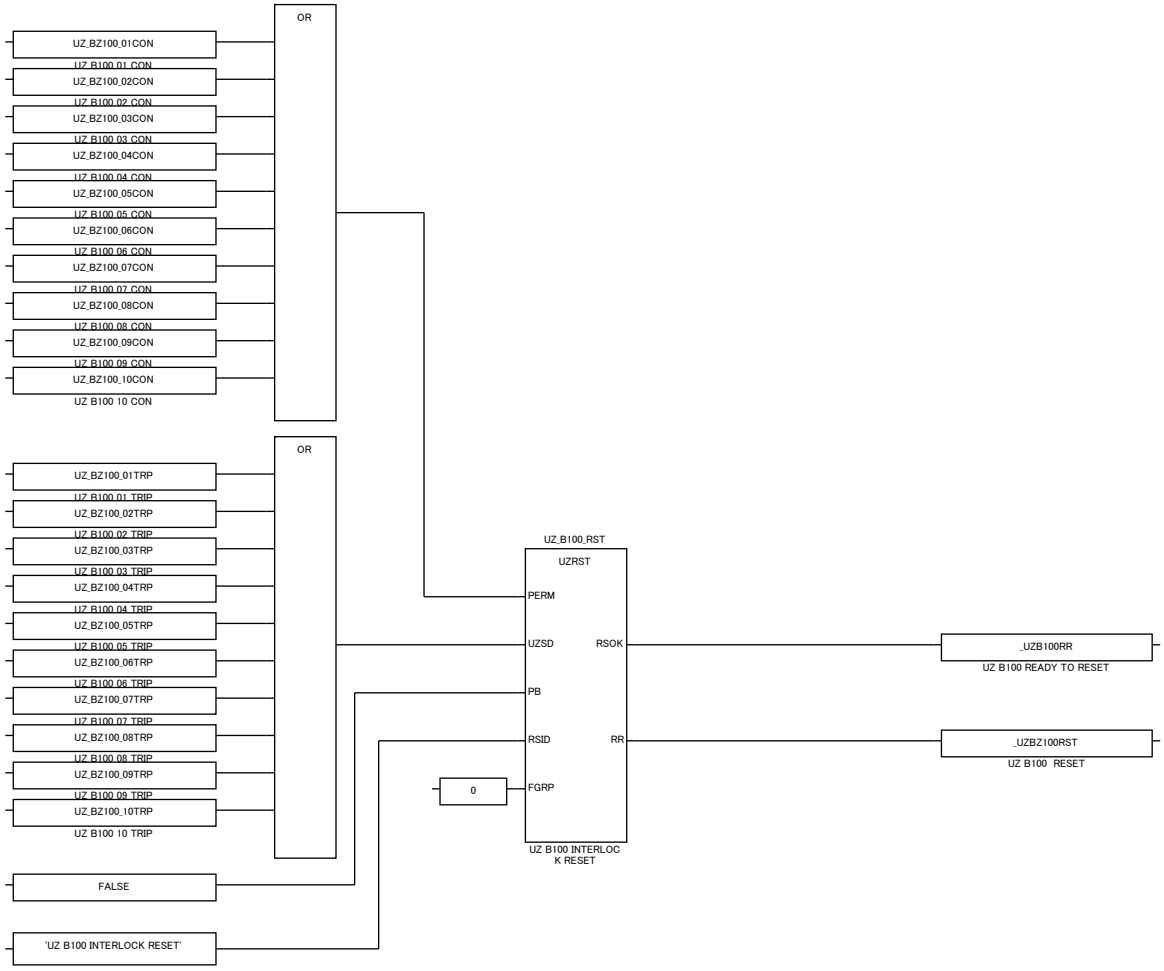

_950XZ06201
FZ6 AC FG ALB100 SW RM
IB_TO_S
IN
STS
NOT
_950XZ06201LF
FZ6 AC FG ALB100 SW RM
_950XZ07101
FZ7 ACS F&G AL
IB_TO_S
IN
STS
NOT
_950XZ07101LF
FZ7 ACS F&G AL
_950XL01102
FZ1 OPT F.AL
IB_TO_S
IN
STS
NOT
_950XL01102LF
FZ1 OPT F.AL
_950XL02102
FZ2 OPT F.AL
IB_TO_S
IN
STS
NOT
_950XL02102LF
FZ2 OPT F.AL
_950XL03102
FZ3 OPT F.AL
IB_TO_S
IN
STS
NOT
_950XL03102LF
FZ3 OPT F.AL
_950XL03104
FZ3 OPT F.AL
IB_TO_S
IN
STS
NOT
_950XL03104LF
FZ3 OPT F.AL
_950XL04102
FZ4 OPT F.AL
IB_TO_S
IN
STS
NOT
_950XL04102LF
FZ4 OPT F.AL
_950XL04104
FZ4 OPT F.AL
IB_TO_S
IN
STS
NOT
_950XL04104LF
FZ4 OPT F.AL
_950XL04202
FZ4 OPT F.ALB400 I&T E.R
IB_TO_S
IN
STS
NOT
_950XL04202LF
FZ4 OPT F.ALB400 I&T E.R
_950XL04204
FZ4 OPT F.ALB300 UPS RM
IB_TO_S
IN
STS
NOT
_950XL04204LF
FZ4 OPT F.ALB300 UPS RM
_950XL04206
FZ4 OPT F.ALB200 LV S.R
IB_TO_S
IN
STS
NOT
_950XL04206LF
FZ4 OPT F.ALB200 LV S.R
_950XL05202
FZ5 OPT F.ALWT PKG
IB_TO_S
IN
STS
NOT
_950XL05202LF
FZ5 OPT F.ALWT PKG
_950XL06102
FZ6 OPT F.AL
IB_TO_S
IN
STS
NOT
_950XL06102LF
FZ6 OPT F.AL
_950XL06104
FZ6 OPT F.AL
IB_TO_S
IN
STS
NOT
_950XL06104LF
FZ6 OPT F.AL
_950XL06202
FZ6 OPT F.ALB100 SW RM
IB_TO_S
IN
STS
NOT
_950XL06202LF
FZ6 OPT F.ALB100 SW RM
_950XL07102
FZ7 OPT F.AL
IB_TO_S
IN
STS
NOT
_950XL07102LF
FZ7 OPT F.AL

1.42. SEND(* Signal Transfer - Send *)

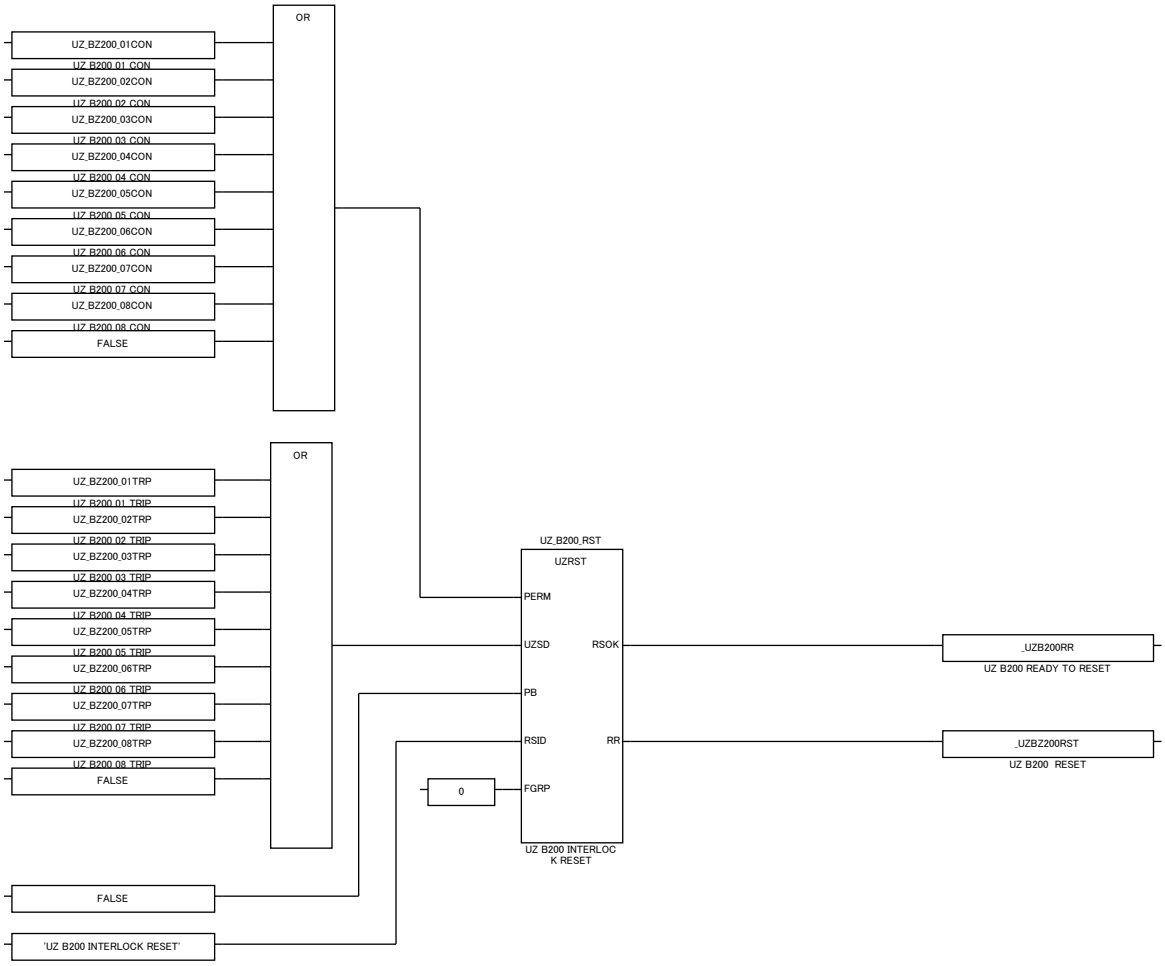


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 156
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

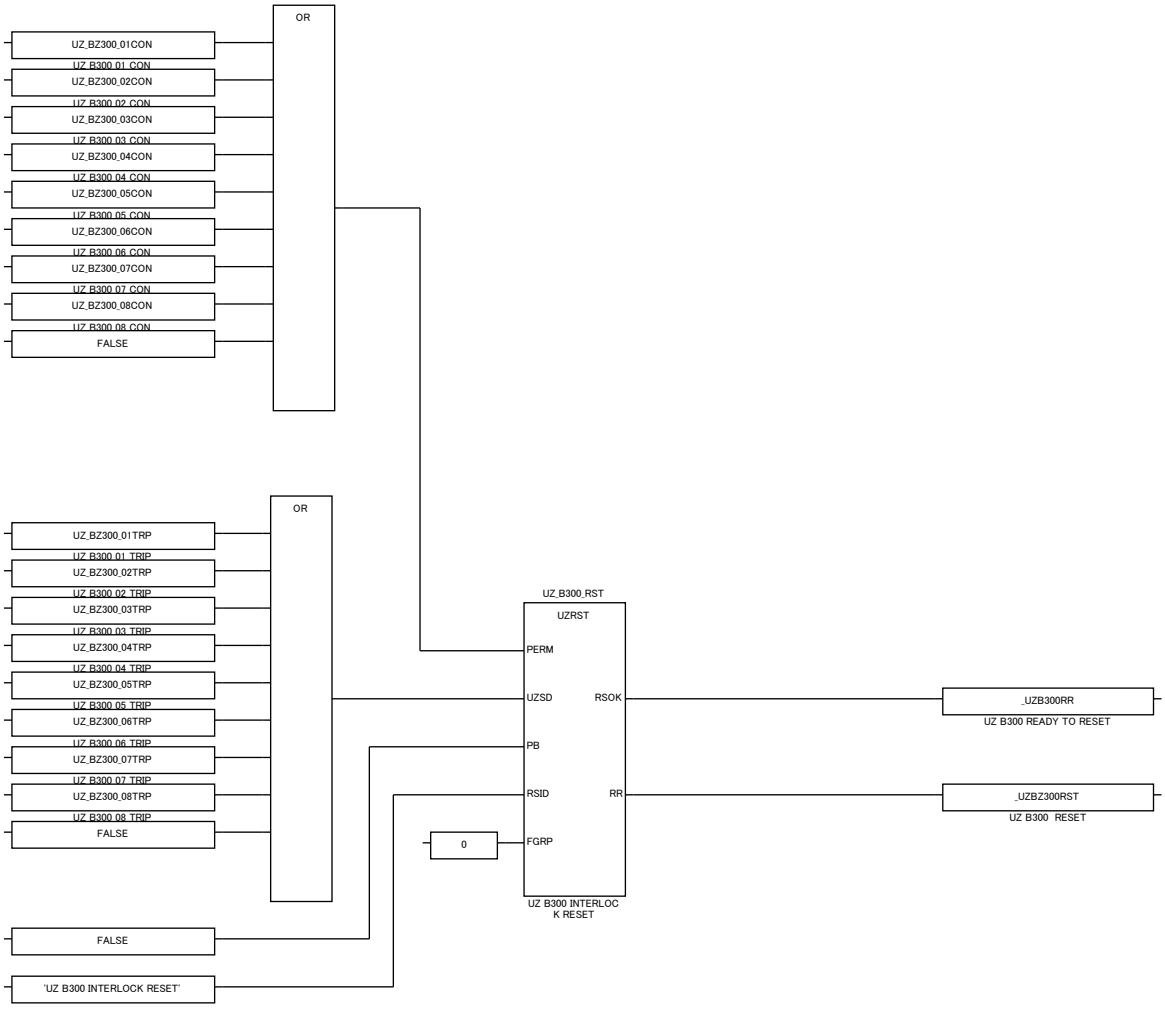
1.43. RESET_LOGIC_01(* Interlock Reset Logic *)



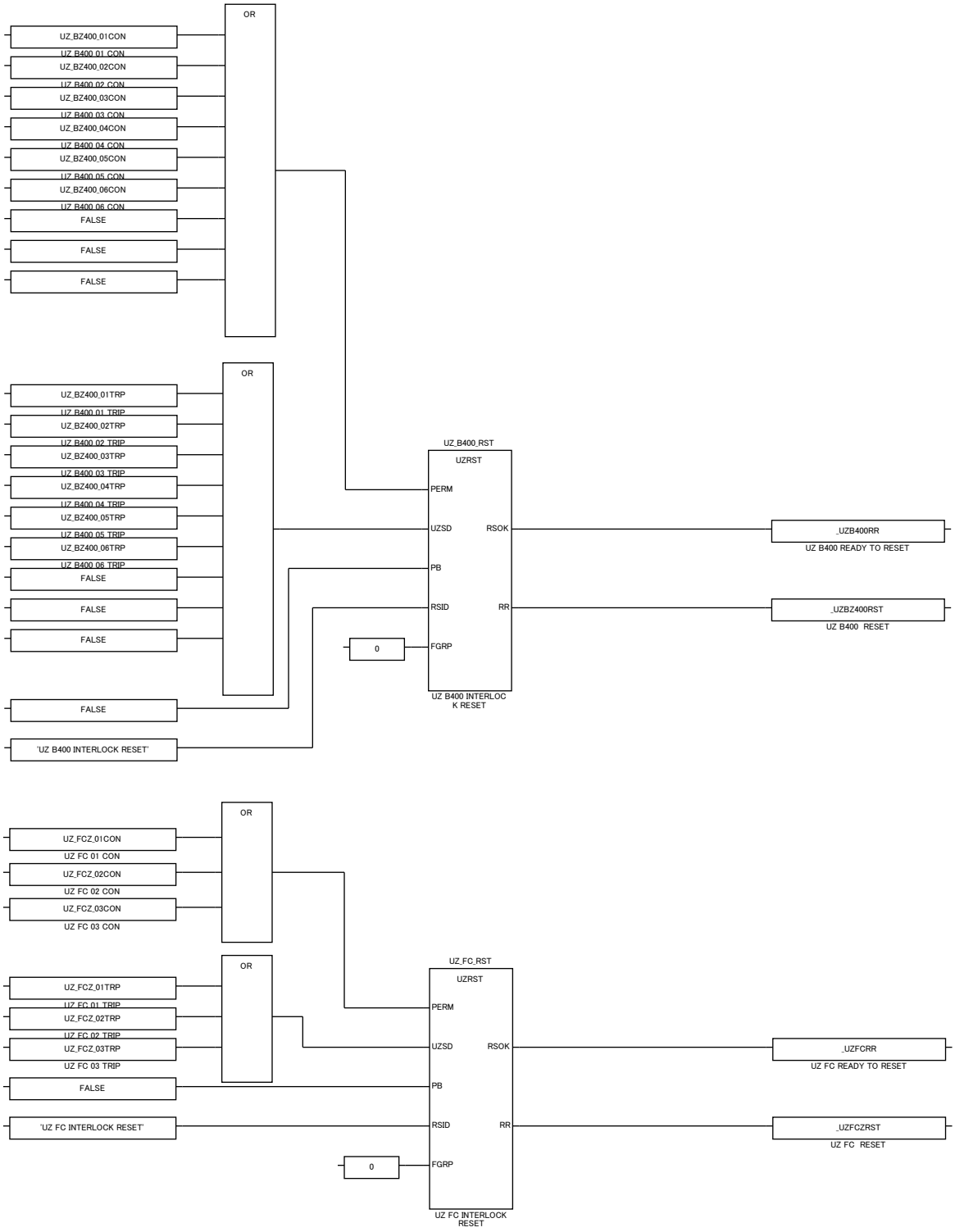
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 157
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



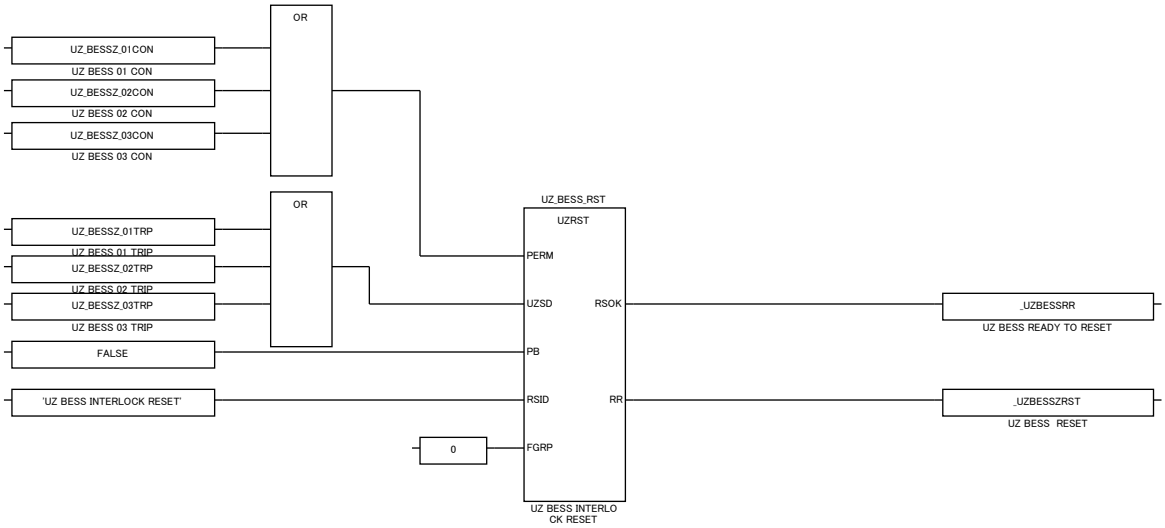
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 158
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 159
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

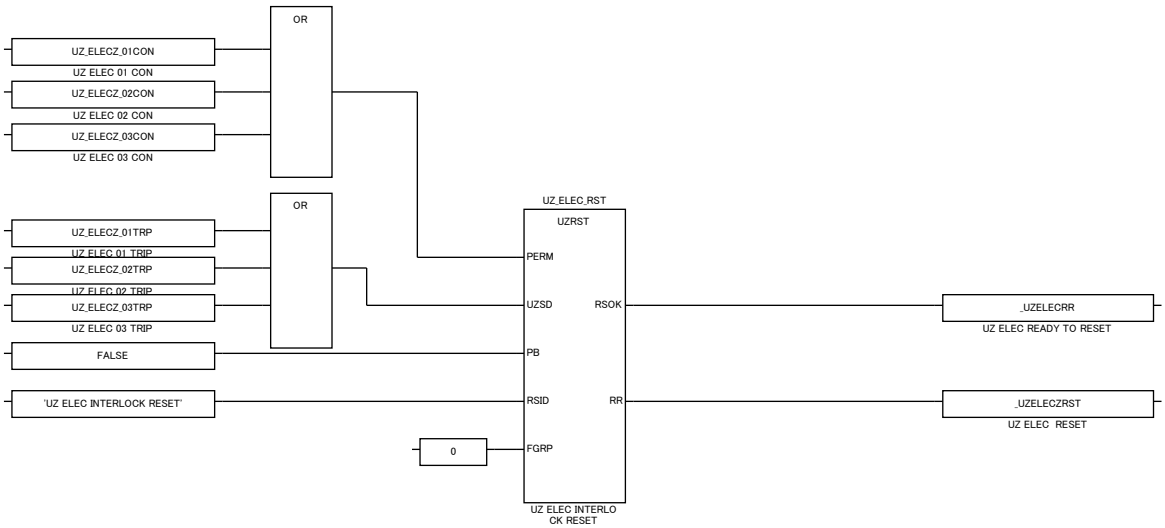


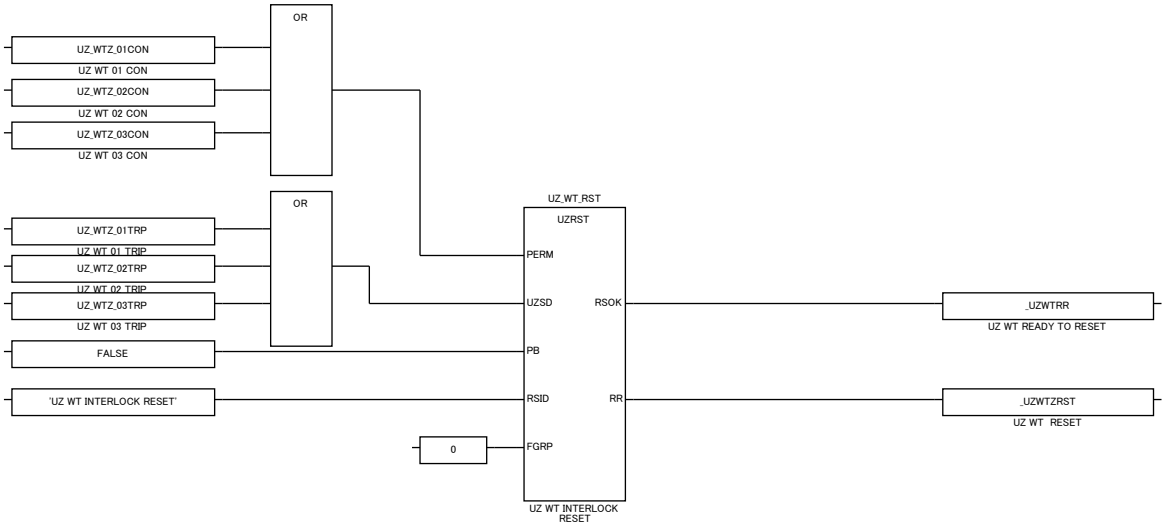
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 160
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

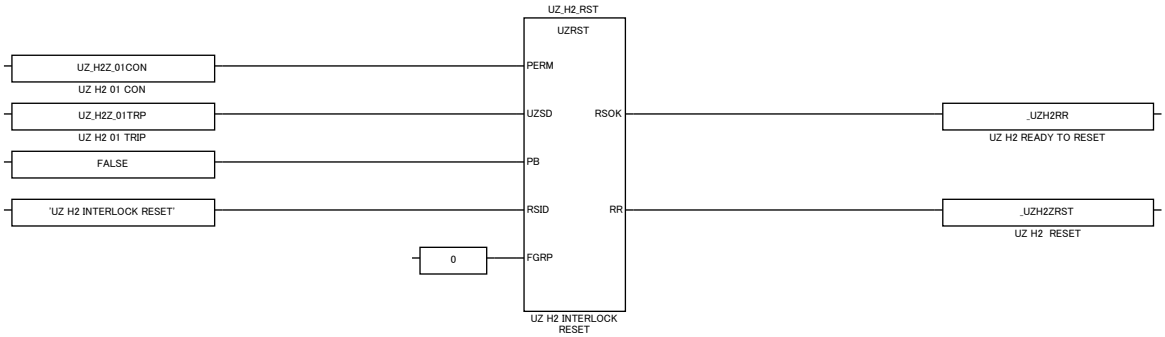


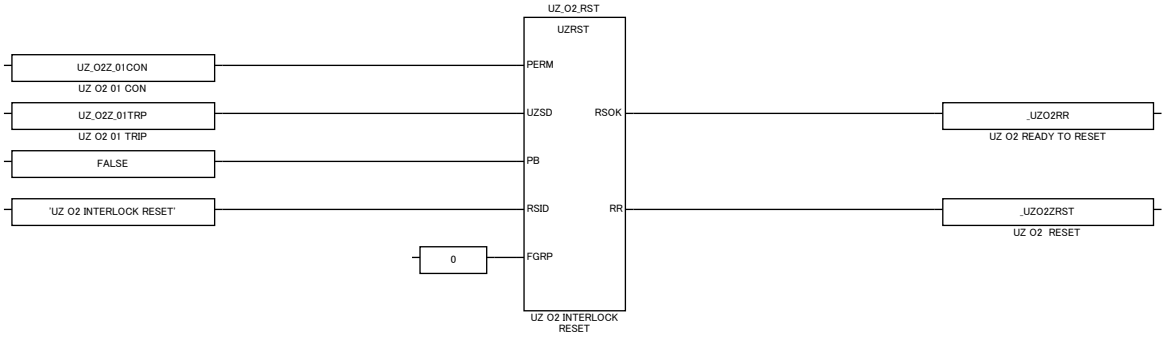
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 161
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

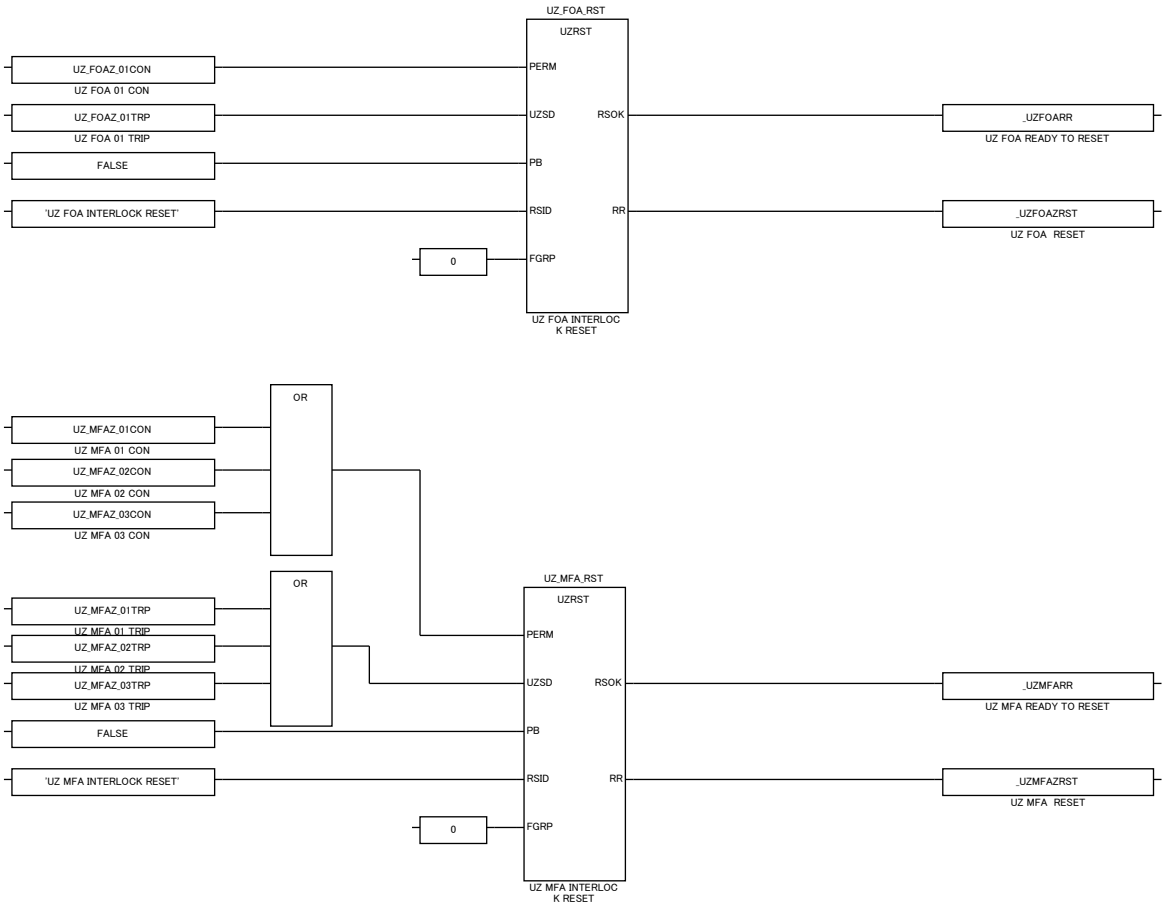
1.44. RESET_LOGIC_02(* Interlock Reset & MOS-Enable Logic *)







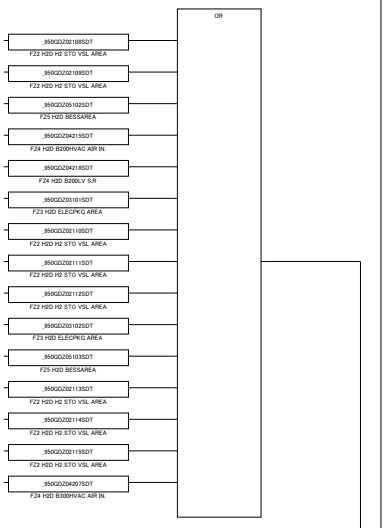


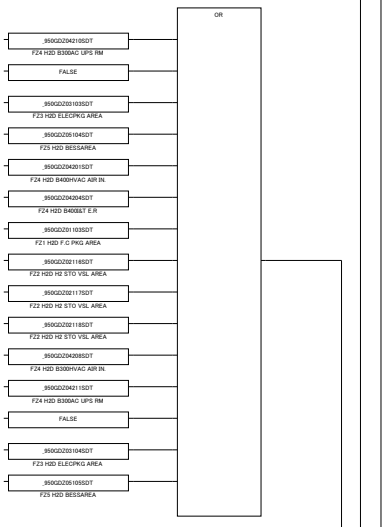


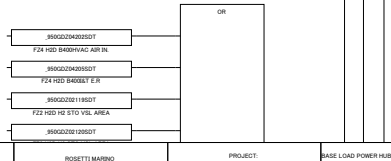
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 163
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

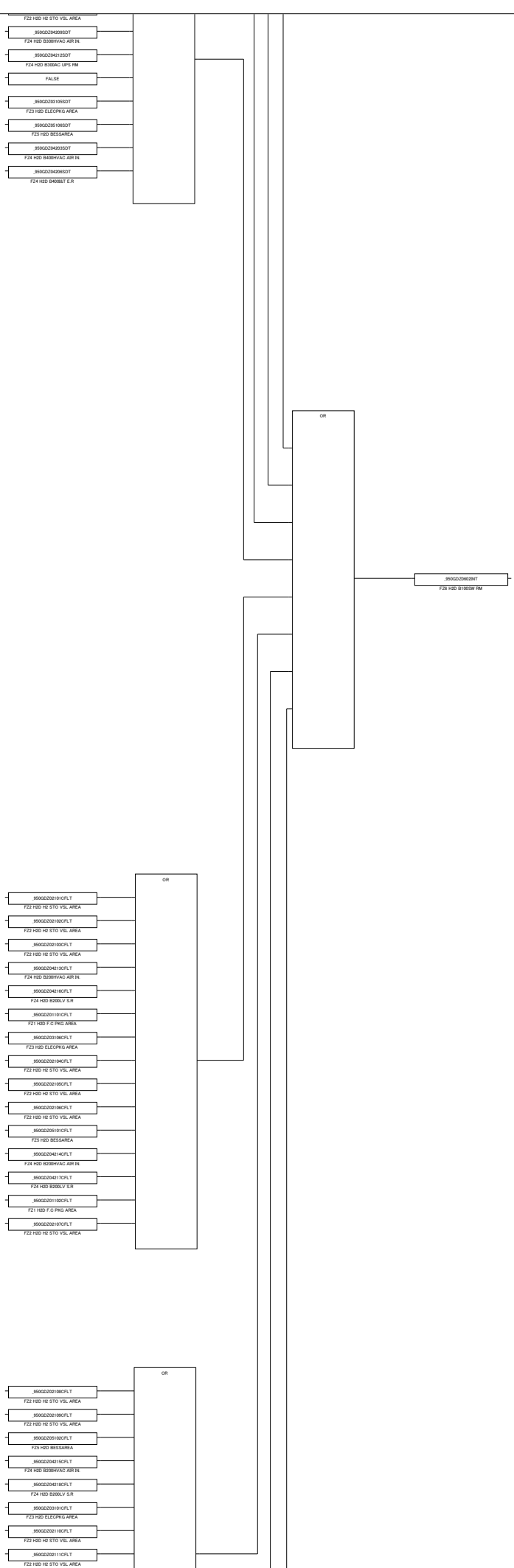
B-100 H2 DETECTOR



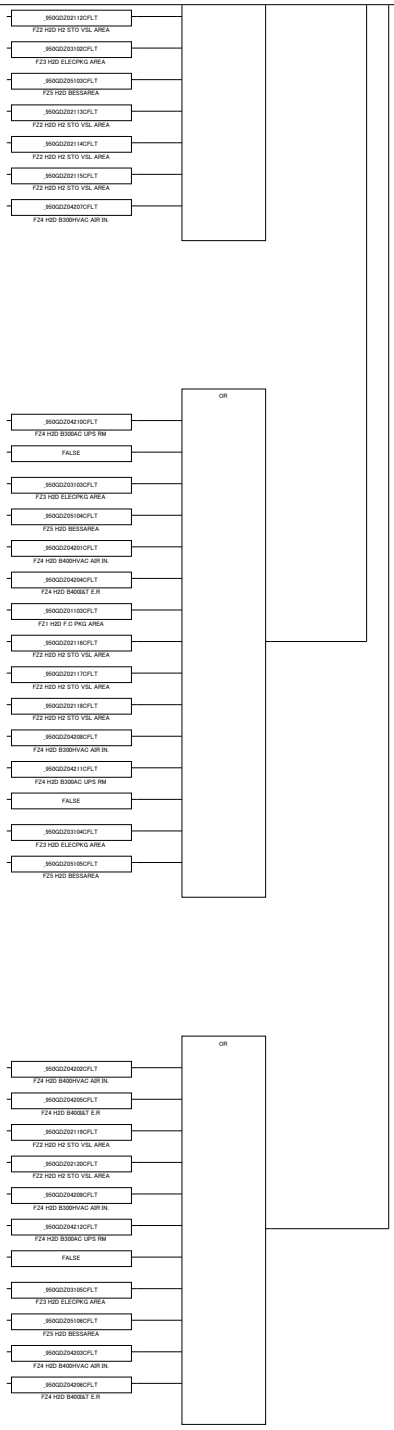


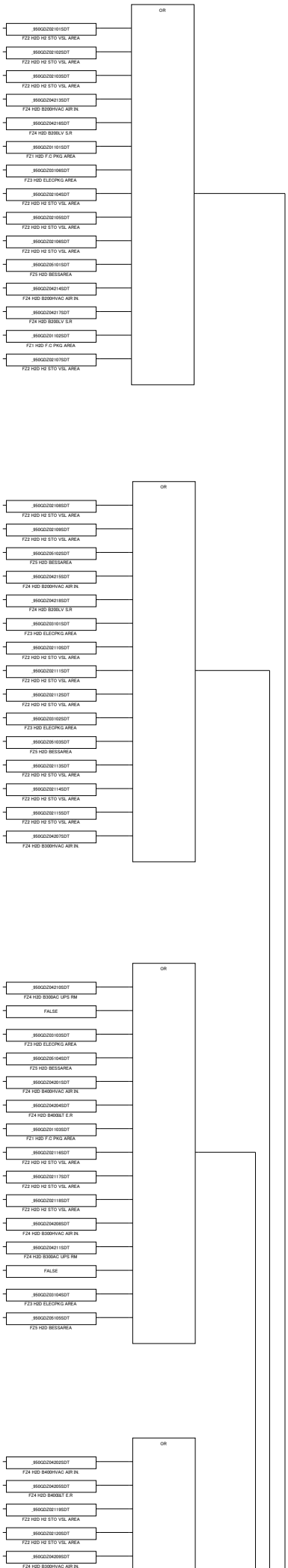




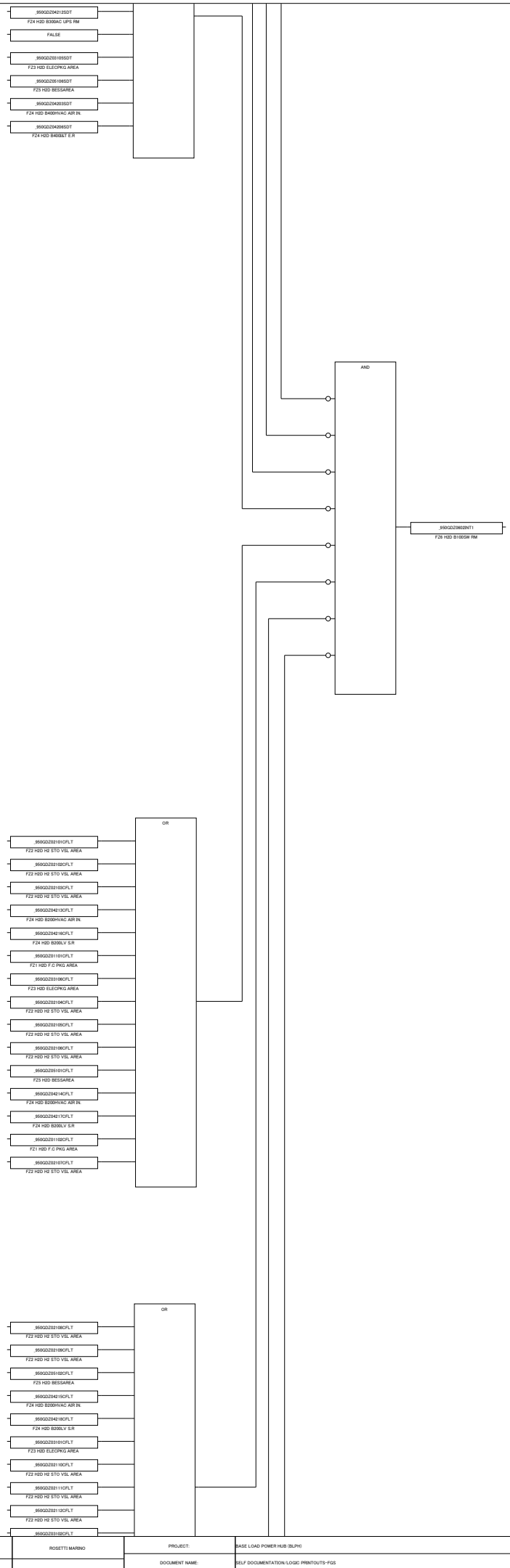


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 165
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FQS		
SYSTEM:	FQS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	55		

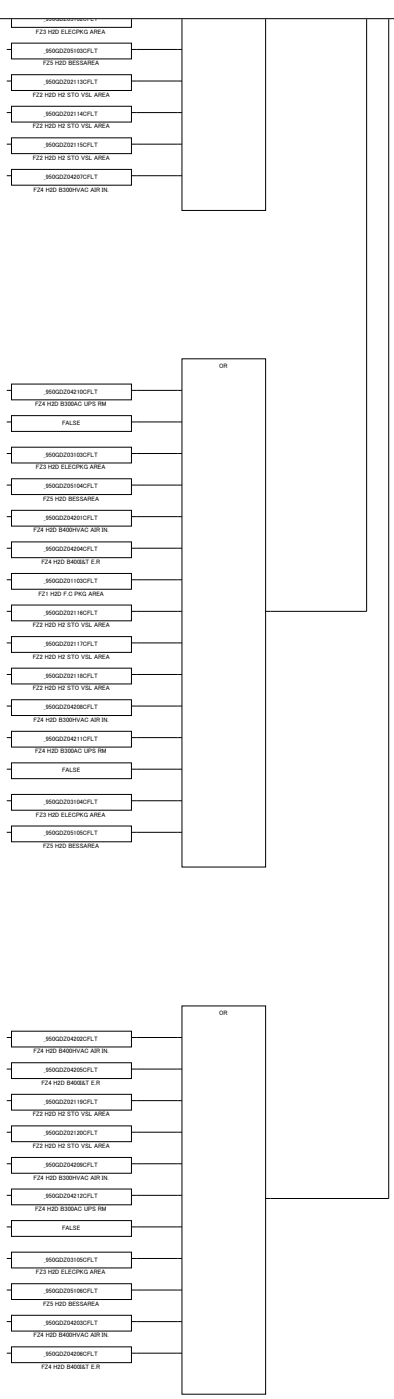

_950GDZ02112CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ03102CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZ05103CFLT
FZ5 H2D BESSAREA
_950GDZ02113CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02114CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02115CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ04207CFLT
FZ4 H2D B300HVAC AIR IN.
OR
_950GDZ04210CFLT
FZ4 H2D B300AC UPS RM
FALSE
_950GDZ03103CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZ05104CFLT
FZ5 H2D BESSAREA
_950GDZ04201CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04204CFLT
FZ4 H2D B400E&T E.R
_950GDZ01103CFLT
FZ1 H2D F.C PKG AREA
_950GDZ02116CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02117CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02118CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ04208CFLT
FZ4 H2D B300HVAC AIR IN.
_950GDZ04211CFLT
FZ4 H2D B300AC UPS RM
FALSE
_950GDZ03104CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZ05105CFLT
FZ5 H2D BESSAREA
OR
_950GDZ04202CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04205CFLT
FZ4 H2D B400E&T E.R
_950GDZ02119CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02120CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ04209CFLT
FZ4 H2D B300HVAC AIR IN.
_950GDZ04212CFLT
FZ4 H2D B300AC UPS RM
FALSE
_950GDZ03105CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZ05106CFLT
FZ5 H2D BESSAREA
_950GDZ04203CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04206CFLT
FZ4 H2D B400E&T E.R



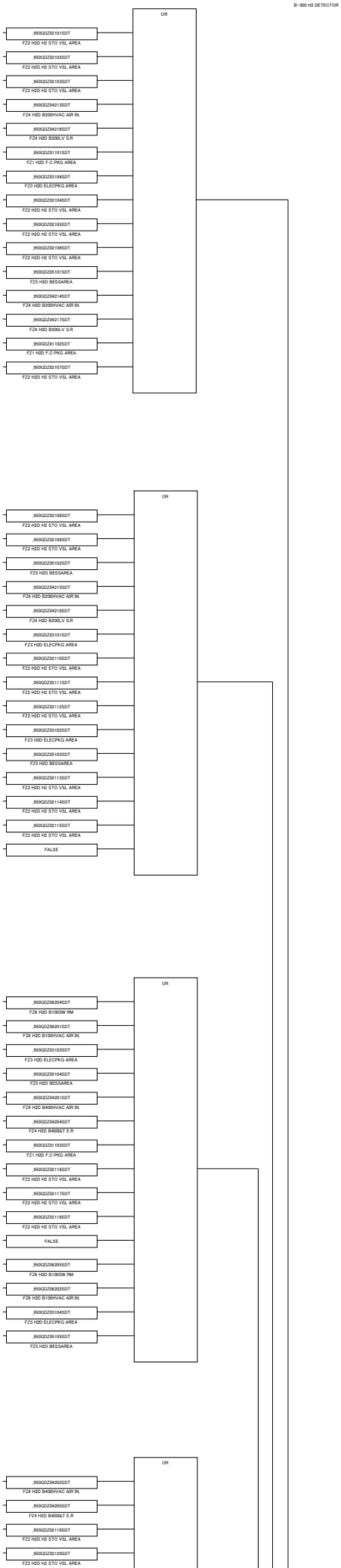
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 167
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS~FQS		
SYSTEM:	FQS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	55		

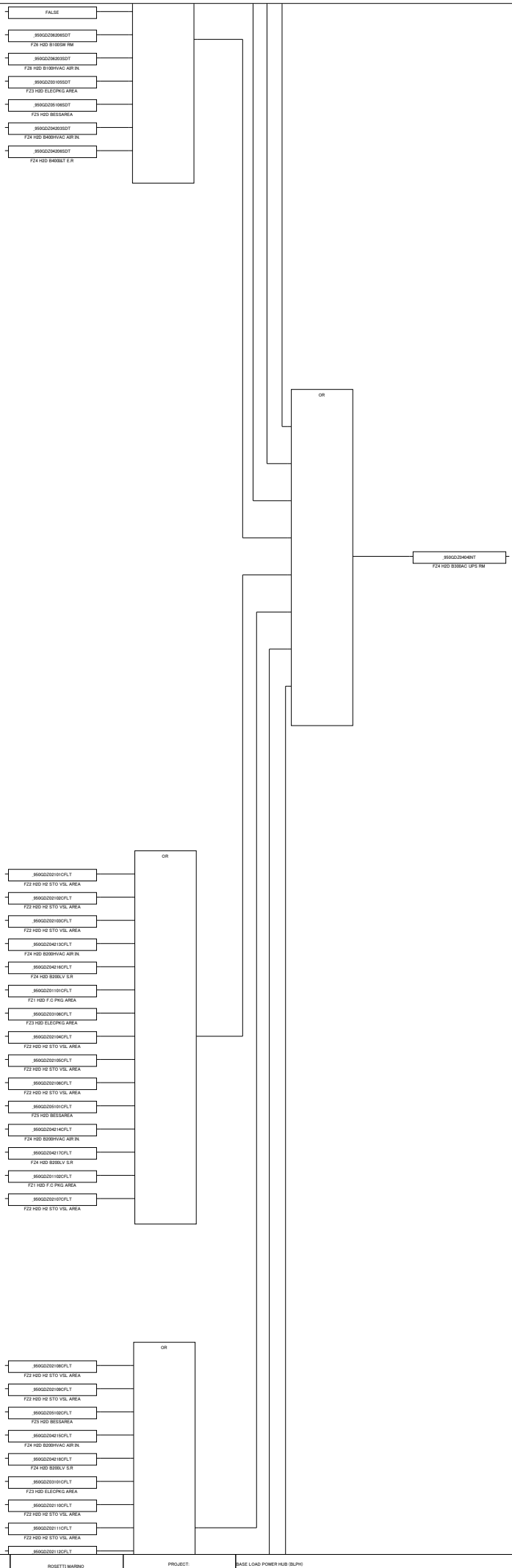


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 168
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FQS		
SYSTEM:	FQS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	55		

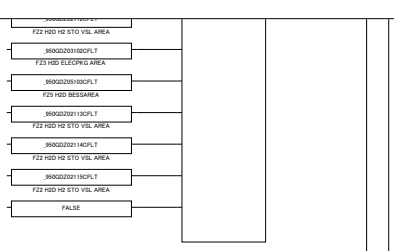

_950GDZ04210CFLT
FZ4 H2D B300AC UPS RM
FALSE
_950GDZ03103CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZ05104CFLT
FZ5 H2D BESSAREA
_950GDZ04201CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04204CFLT
FZ4 H2D B400E&T E.R
_950GDZ01103CFLT
FZ1 H2D F.C PKG AREA
_950GDZ02116CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02117CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02118CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ04208CFLT
FZ4 H2D B300HVAC AIR IN.
_950GDZ04211CFLT
FZ4 H2D B300AC UPS RM
FALSE
_950GDZ03104CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZ05105CFLT
FZ5 H2D BESSAREA
OR
_950GDZ03103CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZ05104CFLT
FZ5 H2D BESSAREA
_950GDZ04201CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04204CFLT
FZ4 H2D B400E&T E.R
_950GDZ01103CFLT
FZ1 H2D F.C PKG AREA
_950GDZ02116CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02117CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02118CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ04208CFLT
FZ4 H2D B300HVAC AIR IN.
_950GDZ04211CFLT
FZ4 H2D B300AC UPS RM
FALSE
_950GDZ03104CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZ05105CFLT
FZ5 H2D BESSAREA
OR
_950GDZ04202CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04205CFLT
FZ4 H2D B400E&T E.R
_950GDZ02119CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ02120CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZ04209CFLT
FZ4 H2D B300HVAC AIR IN.
_950GDZ04212CFLT
FZ4 H2D B300AC UPS RM
FALSE
_950GDZ03105CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZ05106CFLT
FZ5 H2D BESSAREA
_950GDZ04203CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZ04206CFLT
FZ4 H2D B400E&T E.R

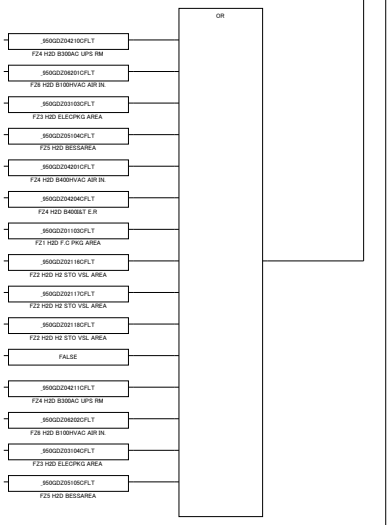
B-300 H2 DETECTOR

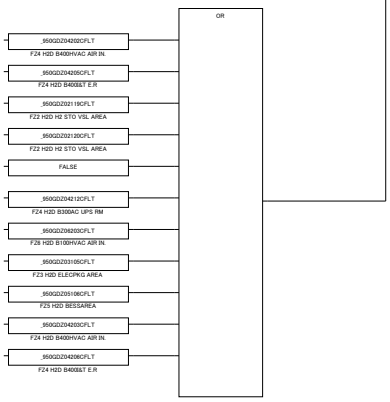




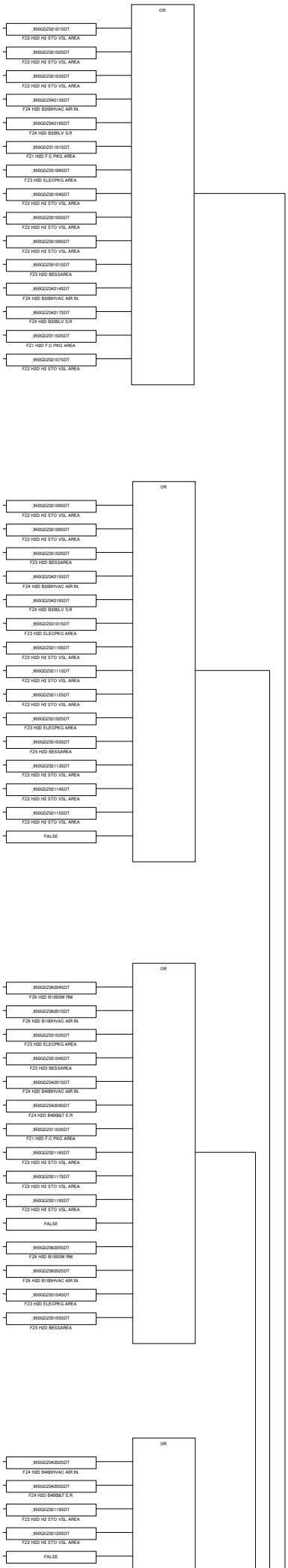
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 171
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FQS		
SYSTEM:	FQS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	55		



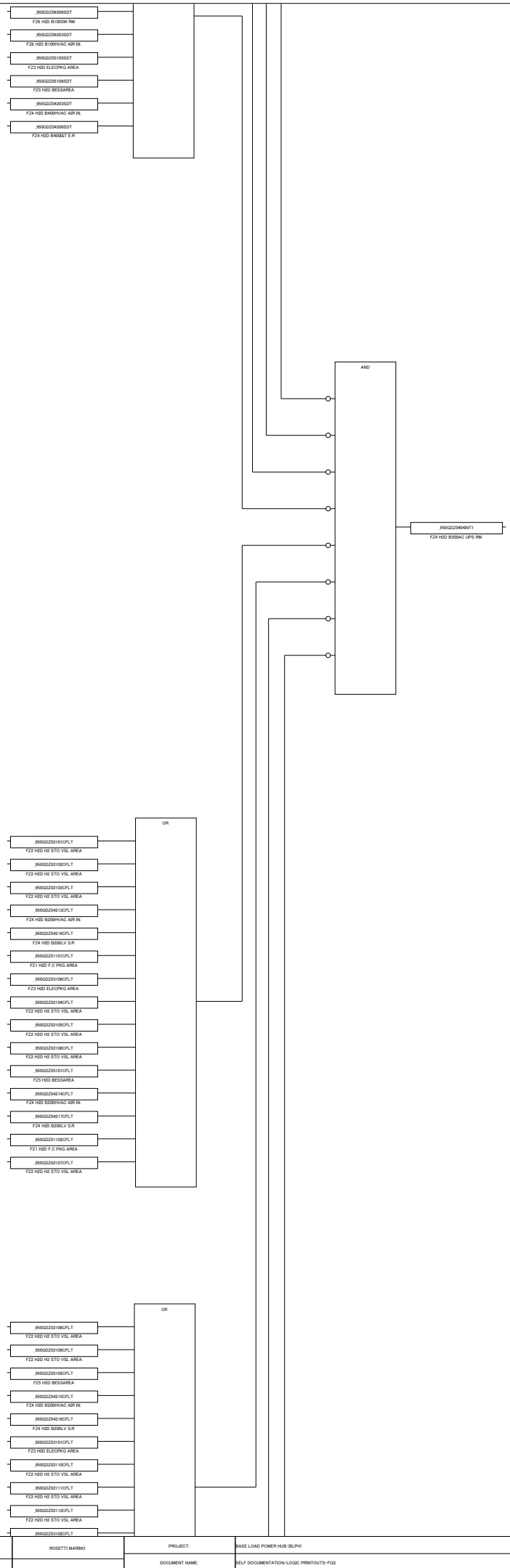




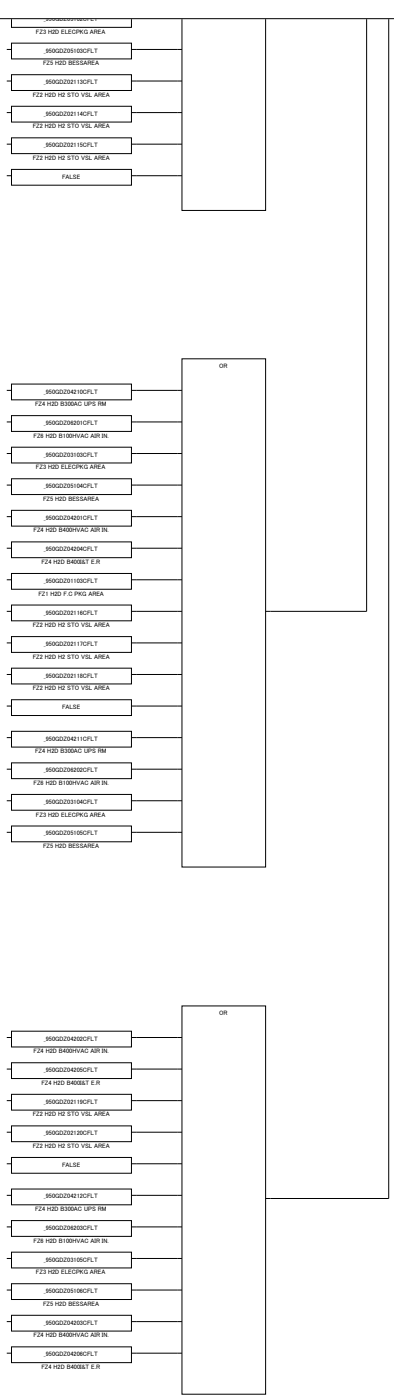
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 172
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS~FQS		
SYSTEM:	FQS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	55		



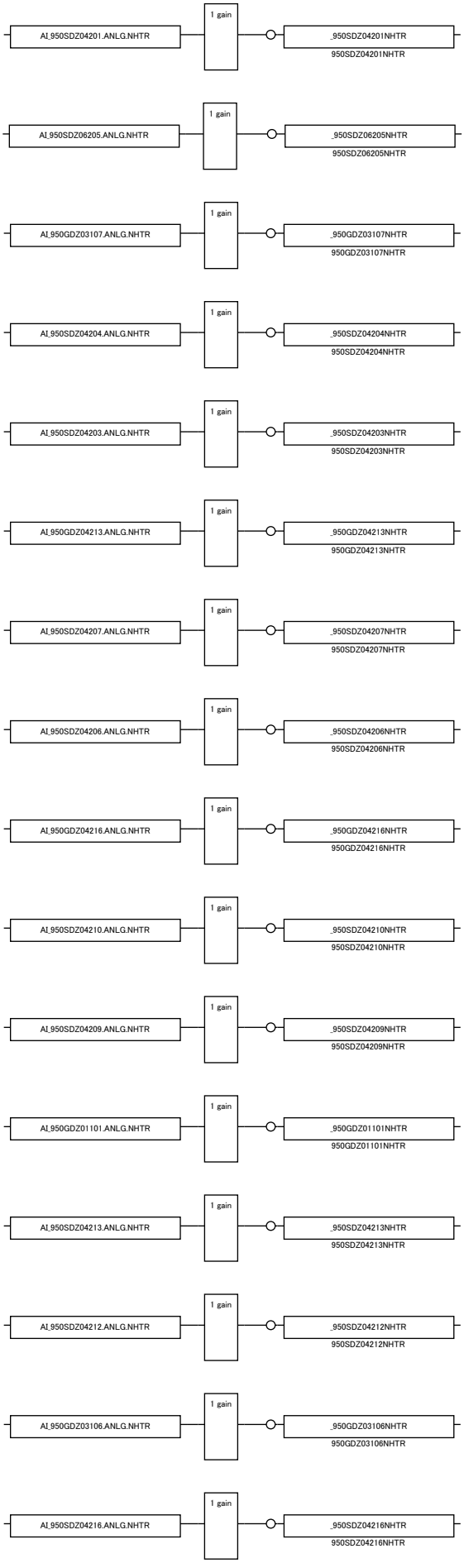
AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 173
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FQS		
SYSTEM:	FQS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	55		

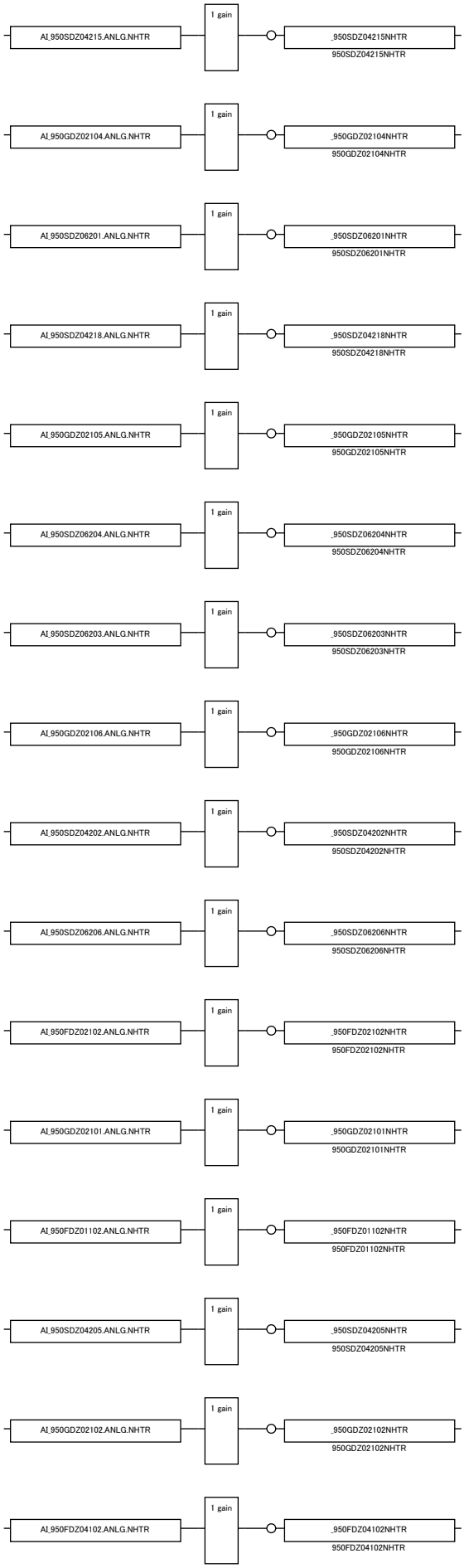


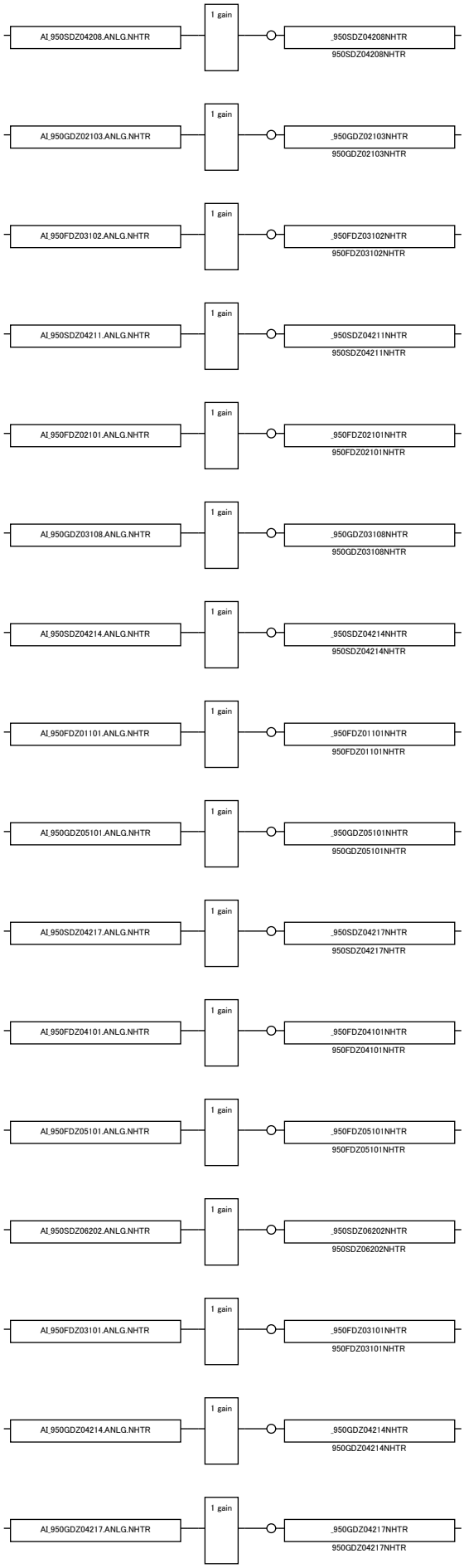
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 174
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FQS		
SYSTEM:	FQS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	55		

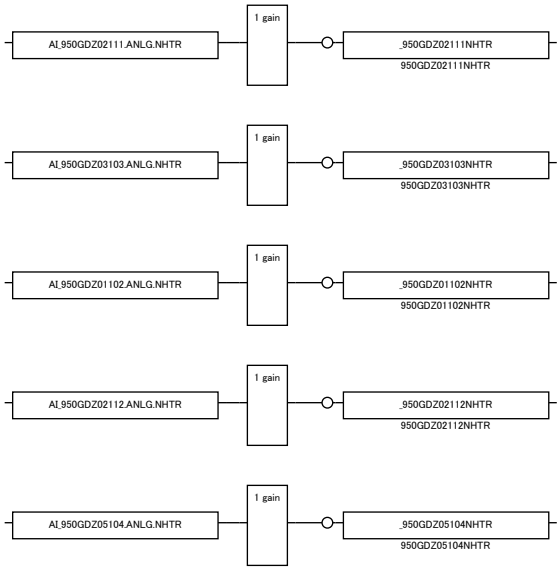

F23 H2D ELEC/PKG AREA
_950GDZD5103CFLT
F25 H2D BESSAREA
_950GDZD2213CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZD2214CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZD2215CFLT
FZ2 H2D H2 STO VSL AREA
FALSE
OR
_950GDZD4216CFLT
FZ4 H2D B300AC UPS RM
_950GDZD6201CFLT
FZ6 H2D B100HVAC AIR IN.
_950GDZD3103CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZD5104CFLT
FZ5 H2D BESSAREA
_950GDZD4201CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZD4204CFLT
FZ4 H2D B400E&T E.R
_950GDZD1103CFLT
FZ1 H2D F.C PKG AREA
_950GDZD2116CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZD2117CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZD2118CFLT
FZ2 H2D H2 STO VSL AREA
FALSE
_950GDZD4211CFLT
FZ4 H2D B300AC UPS RM
_950GDZD6202CFLT
FZ6 H2D B100HVAC AIR IN.
_950GDZD3104CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZD5105CFLT
FZ5 H2D BESSAREA
OR
_950GDZD4202CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZD4205CFLT
FZ4 H2D B400E&T E.R
_950GDZD2119CFLT
FZ2 H2D H2 STO VSL AREA
_950GDZD2120CFLT
FZ2 H2D H2 STO VSL AREA
FALSE
_950GDZD4212CFLT
FZ4 H2D B300AC UPS RM
_950GDZD6203CFLT
FZ6 H2D B100HVAC AIR IN.
_950GDZD3105CFLT
FZ3 H2D ELEC/PKG AREA
_950GDZD5106CFLT
FZ5 H2D BESSAREA
_950GDZD4203CFLT
FZ4 H2D B400HVAC AIR IN.
_950GDZD4206CFLT
FZ4 H2D B400E&T E.R

1.47. TO_HMI(* ANLG Status *)

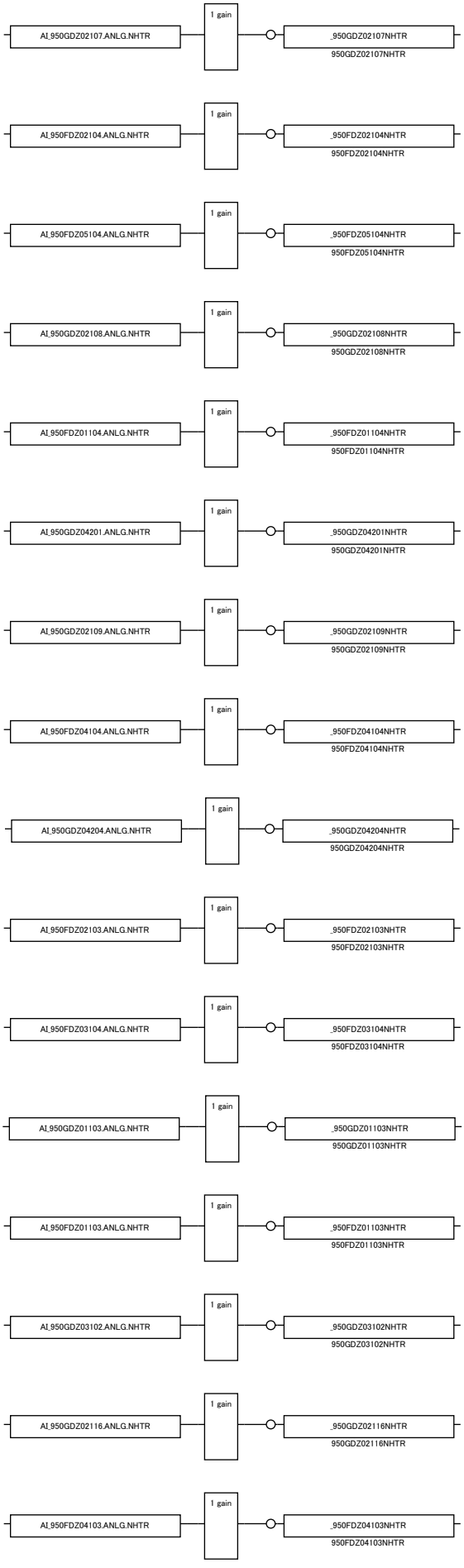


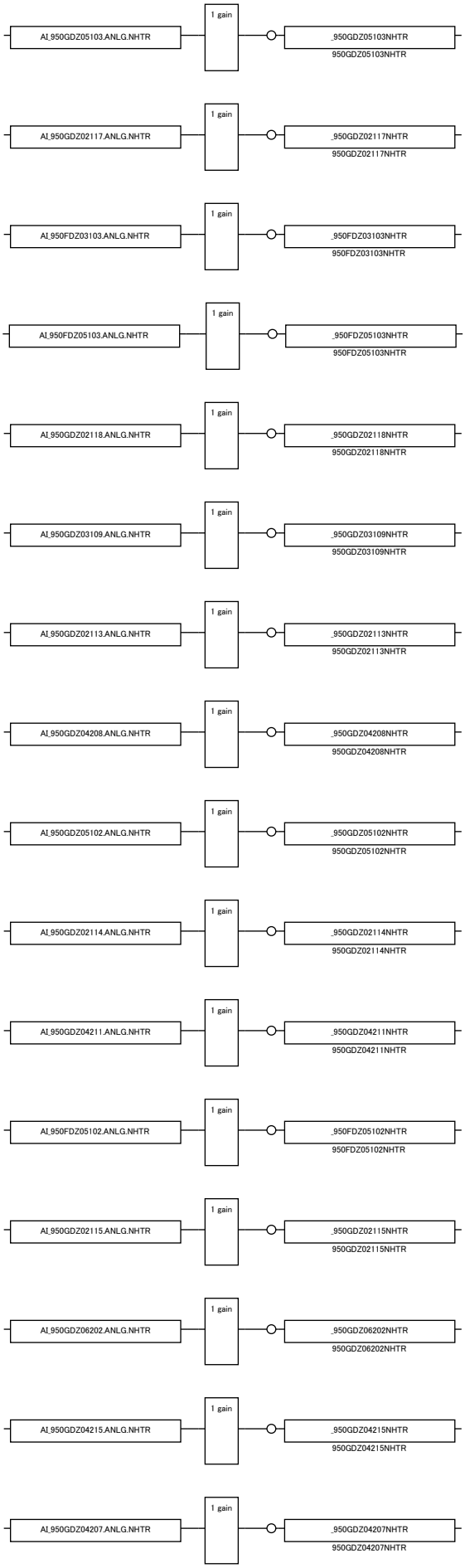

AI_950SDZ04215.ANLG.NHTR
1 gain
_950SDZ04215NHTR
950SDZ04215NHTR
AI_950GDZ02104.ANLG.NHTR
1 gain
_950GDZ02104NHTR
950GDZ02104NHTR
AI_950SDZ06201.ANLG.NHTR
1 gain
_950SDZ06201NHTR
950SDZ06201NHTR
AI_950SDZ04218.ANLG.NHTR
1 gain
_950SDZ04218NHTR
950SDZ04218NHTR
AI_950GDZ02105.ANLG.NHTR
1 gain
_950GDZ02105NHTR
950GDZ02105NHTR
AI_950SDZ06204.ANLG.NHTR
1 gain
_950SDZ06204NHTR
950SDZ06204NHTR
AI_950SDZ06203.ANLG.NHTR
1 gain
_950SDZ06203NHTR
950SDZ06203NHTR
AI_950GDZ02106.ANLG.NHTR
1 gain
_950GDZ02106NHTR
950GDZ02106NHTR
AI_950SDZ04202.ANLG.NHTR
1 gain
_950SDZ04202NHTR
950SDZ04202NHTR
AI_950SDZ06206.ANLG.NHTR
1 gain
_950SDZ06206NHTR
950SDZ06206NHTR
AI_950FDZ02102.ANLG.NHTR
1 gain
_950FDZ02102NHTR
950FDZ02102NHTR
AI_950GDZ02101.ANLG.NHTR
1 gain
_950GDZ02101NHTR
950GDZ02101NHTR
AI_950FDZ01102.ANLG.NHTR
1 gain
_950FDZ01102NHTR
950FDZ01102NHTR
AI_950SDZ04205.ANLG.NHTR
1 gain
_950SDZ04205NHTR
950SDZ04205NHTR
AI_950GDZ02102.ANLG.NHTR
1 gain
_950GDZ02102NHTR
950GDZ02102NHTR
AI_950FDZ04102.ANLG.NHTR
1 gain
_950FDZ04102NHTR
950FDZ04102NHTR

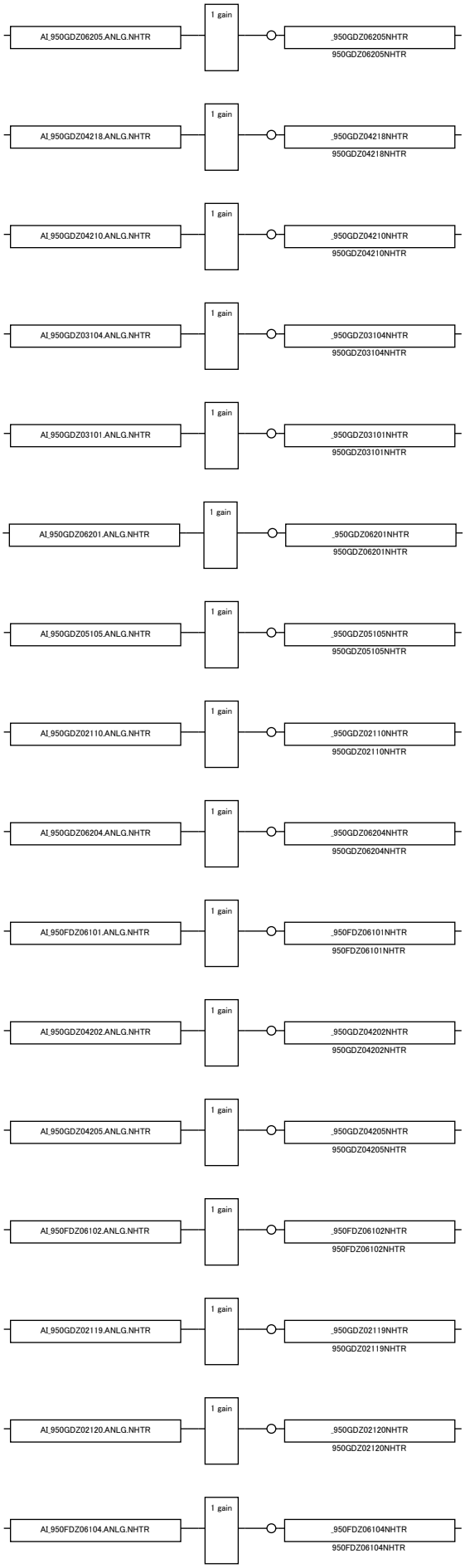

AI_950SDZ04208.ANLG.NHTR
1 gain
_950SDZ04208NHTR
950SDZ04208NHTR
AI_950GDZ02103.ANLG.NHTR
1 gain
_950GDZ02103NHTR
950GDZ02103NHTR
AI_950FDZ03102.ANLG.NHTR
1 gain
_950FDZ03102NHTR
950FDZ03102NHTR
AI_950SDZ04211.ANLG.NHTR
1 gain
_950SDZ04211NHTR
950SDZ04211NHTR
AI_950FDZ02101.ANLG.NHTR
1 gain
_950FDZ02101NHTR
950FDZ02101NHTR
AI_950GDZ03108.ANLG.NHTR
1 gain
_950GDZ03108NHTR
950GDZ03108NHTR
AI_950SDZ04214.ANLG.NHTR
1 gain
_950SDZ04214NHTR
950SDZ04214NHTR
AI_950FDZ01101.ANLG.NHTR
1 gain
_950FDZ01101NHTR
950FDZ01101NHTR
AI_950GDZ05101.ANLG.NHTR
1 gain
_950GDZ05101NHTR
950GDZ05101NHTR
AI_950SDZ04217.ANLG.NHTR
1 gain
_950SDZ04217NHTR
950SDZ04217NHTR
AI_950FDZ04101.ANLG.NHTR
1 gain
_950FDZ04101NHTR
950FDZ04101NHTR
AI_950FDZ05101.ANLG.NHTR
1 gain
_950FDZ05101NHTR
950FDZ05101NHTR
AI_950SDZ06202.ANLG.NHTR
1 gain
_950SDZ06202NHTR
950SDZ06202NHTR
AI_950FDZ03101.ANLG.NHTR
1 gain
_950FDZ03101NHTR
950FDZ03101NHTR
AI_950GDZ04214.ANLG.NHTR
1 gain
_950GDZ04214NHTR
950GDZ04214NHTR
AI_950GDZ04217.ANLG.NHTR
1 gain
_950GDZ04217NHTR
950GDZ04217NHTR

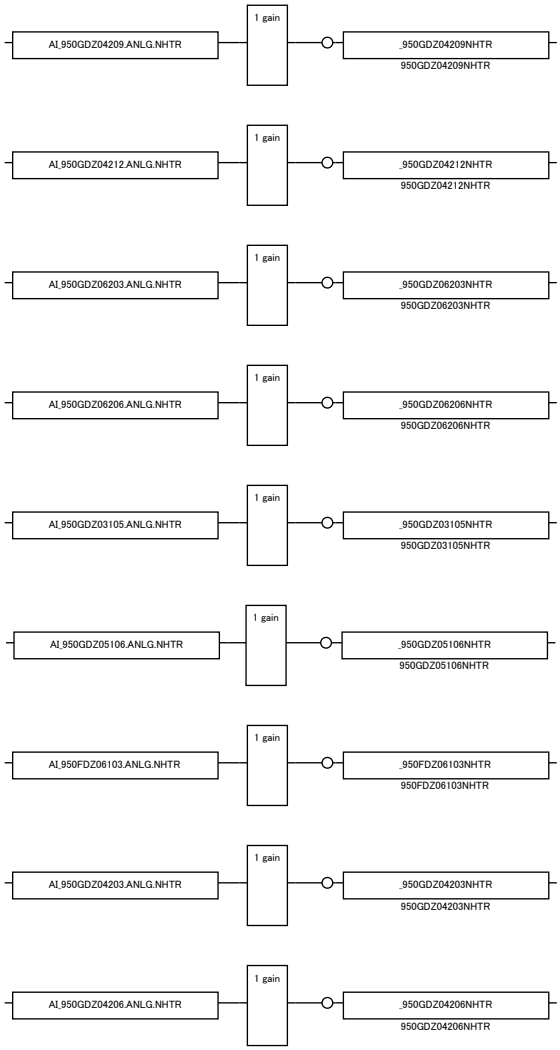

AI_950GDZ02111.ANLG.NHTR
1 gain
_950GDZ02111NHTR
950GDZ02111NHTR
AI_950GDZ03103.ANLG.NHTR
1 gain
_950GDZ03103NHTR
950GDZ03103NHTR
AI_950GDZ01102.ANLG.NHTR
1 gain
_950GDZ01102NHTR
950GDZ01102NHTR
AI_950GDZ02112.ANLG.NHTR
1 gain
_950GDZ02112NHTR
950GDZ02112NHTR
AI_950GDZ05104.ANLG.NHTR
1 gain
_950GDZ05104NHTR
950GDZ05104NHTR

1.48. TO_HMI_1(* ANLG Status *)




AI_950GDZ05103.ANLG.NHTR
1 gain
_950GDZ05103NHTR
950GDZ05103NHTR
AI_950GDZ02117.ANLG.NHTR
1 gain
_950GDZ02117NHTR
950GDZ02117NHTR
AI_950FDZ03103.ANLG.NHTR
1 gain
_950FDZ03103NHTR
950FDZ03103NHTR
AI_950FDZ05103.ANLG.NHTR
1 gain
_950FDZ05103NHTR
950FDZ05103NHTR
AI_950GDZ02118.ANLG.NHTR
1 gain
_950GDZ02118NHTR
950GDZ02118NHTR
AI_950GDZ03109.ANLG.NHTR
1 gain
_950GDZ03109NHTR
950GDZ03109NHTR
AI_950GDZ02113.ANLG.NHTR
1 gain
_950GDZ02113NHTR
950GDZ02113NHTR
AI_950GDZ04208.ANLG.NHTR
1 gain
_950GDZ04208NHTR
950GDZ04208NHTR
AI_950GDZ05102.ANLG.NHTR
1 gain
_950GDZ05102NHTR
950GDZ05102NHTR
AI_950GDZ02114.ANLG.NHTR
1 gain
_950GDZ02114NHTR
950GDZ02114NHTR
AI_950GDZ04211.ANLG.NHTR
1 gain
_950GDZ04211NHTR
950GDZ04211NHTR
AI_950FDZ05102.ANLG.NHTR
1 gain
_950FDZ05102NHTR
950FDZ05102NHTR
AI_950GDZ02115.ANLG.NHTR
1 gain
_950GDZ02115NHTR
950GDZ02115NHTR
AI_950GDZ06202.ANLG.NHTR
1 gain
_950GDZ06202NHTR
950GDZ06202NHTR
AI_950GDZ04215.ANLG.NHTR
1 gain
_950GDZ04215NHTR
950GDZ04215NHTR
AI_950GDZ04207.ANLG.NHTR
1 gain
_950GDZ04207NHTR
950GDZ04207NHTR


AI_950GDZ06205.ANLG.NHTR
1 gain
_950GDZ06205NHTR
950GDZ06205NHTR
AI_950GDZ04218.ANLG.NHTR
1 gain
_950GDZ04218NHTR
950GDZ04218NHTR
AI_950GDZ04210.ANLG.NHTR
1 gain
_950GDZ04210NHTR
950GDZ04210NHTR
AI_950GDZ03104.ANLG.NHTR
1 gain
_950GDZ03104NHTR
950GDZ03104NHTR
AI_950GDZ03101.ANLG.NHTR
1 gain
_950GDZ03101NHTR
950GDZ03101NHTR
AI_950GDZ06201.ANLG.NHTR
1 gain
_950GDZ06201NHTR
950GDZ06201NHTR
AI_950GDZ05105.ANLG.NHTR
1 gain
_950GDZ05105NHTR
950GDZ05105NHTR
AI_950GDZ02110.ANLG.NHTR
1 gain
_950GDZ02110NHTR
950GDZ02110NHTR
AI_950GDZ06204.ANLG.NHTR
1 gain
_950GDZ06204NHTR
950GDZ06204NHTR
AI_950FDZ06101.ANLG.NHTR
1 gain
_950FDZ06101NHTR
950FDZ06101NHTR
AI_950GDZ04202.ANLG.NHTR
1 gain
_950GDZ04202NHTR
950GDZ04202NHTR
AI_950GDZ04205.ANLG.NHTR
1 gain
_950GDZ04205NHTR
950GDZ04205NHTR
AI_950FDZ06102.ANLG.NHTR
1 gain
_950FDZ06102NHTR
950FDZ06102NHTR
AI_950GDZ02119.ANLG.NHTR
1 gain
_950GDZ02119NHTR
950GDZ02119NHTR
AI_950GDZ02120.ANLG.NHTR
1 gain
_950GDZ02120NHTR
950GDZ02120NHTR
AI_950FDZ06104.ANLG.NHTR
1 gain
_950FDZ06104NHTR
950FDZ06104NHTR


AI_950GDZ04209.ANLG.NHTR
1 gain
_950GDZ04209NHTR
950GDZ04209NHTR
AI_950GDZ04212.ANLG.NHTR
1 gain
_950GDZ04212NHTR
950GDZ04212NHTR
AI_950GDZ06203.ANLG.NHTR
1 gain
_950GDZ06203NHTR
950GDZ06203NHTR
AI_950GDZ06206.ANLG.NHTR
1 gain
_950GDZ06206NHTR
950GDZ06206NHTR
AI_950GDZ03105.ANLG.NHTR
1 gain
_950GDZ03105NHTR
950GDZ03105NHTR
AI_950GDZ05106.ANLG.NHTR
1 gain
_950GDZ05106NHTR
950GDZ05106NHTR
AI_950FDZ06103.ANLG.NHTR
1 gain
_950FDZ06103NHTR
950FDZ06103NHTR
AI_950GDZ04203.ANLG.NHTR
1 gain
_950GDZ04203NHTR
950GDZ04203NHTR
AI_950GDZ04206.ANLG.NHTR
1 gain
_950GDZ04206NHTR
950GDZ04206NHTR

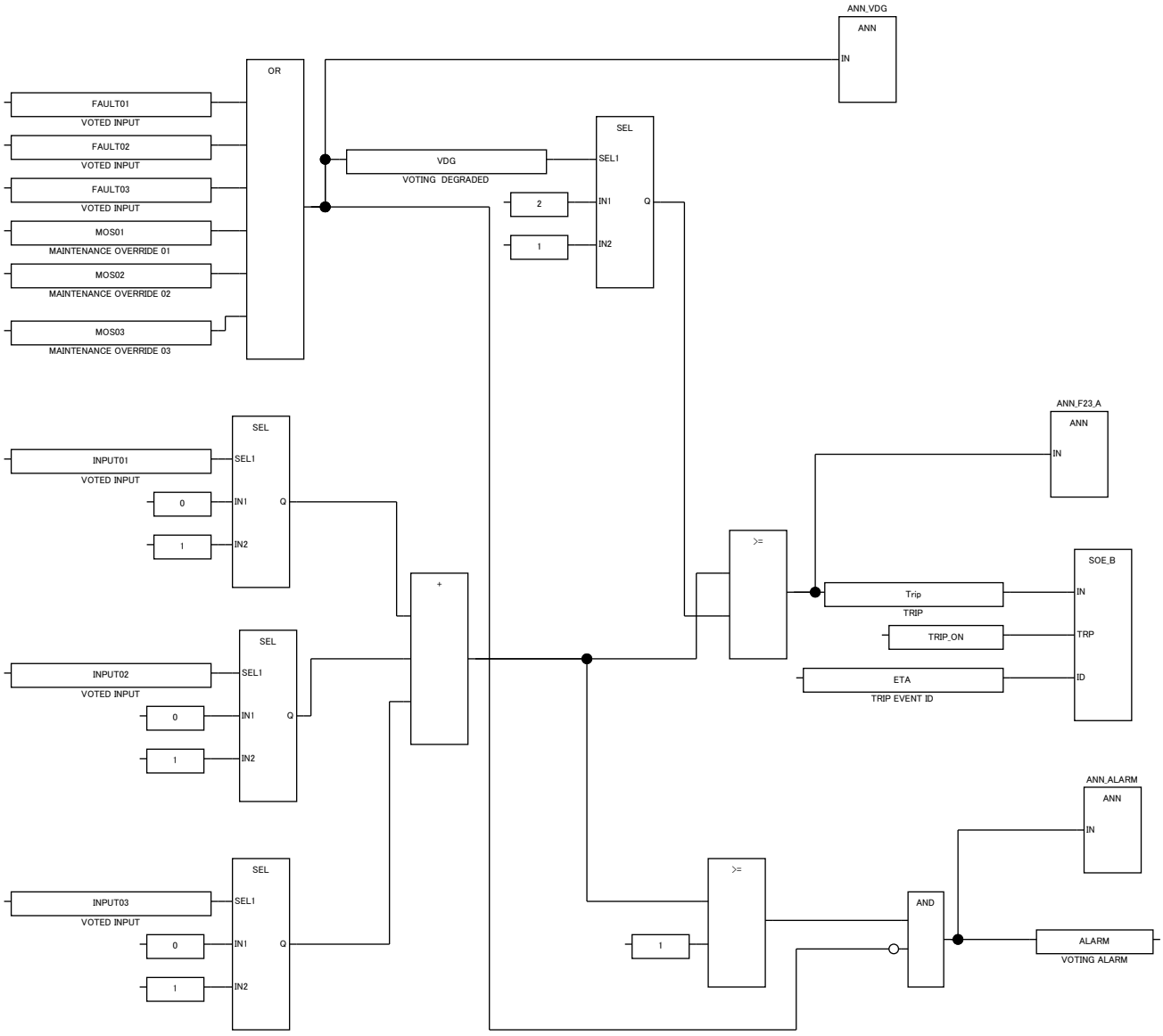
1.49. F23(* FGS Voter 2oo3 *)

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



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 184
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

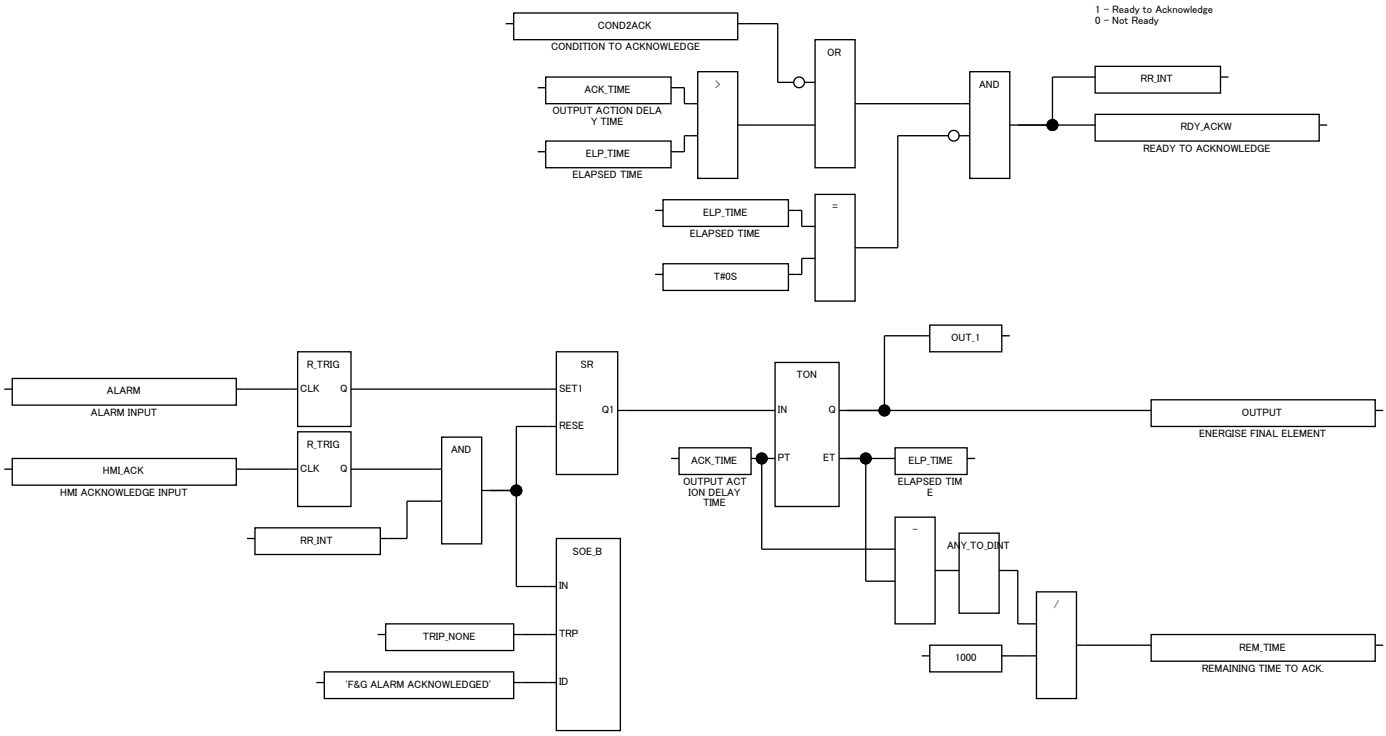
1.50. FG_DOUT(* FGS Delayed Action with Ackowledgement *)

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



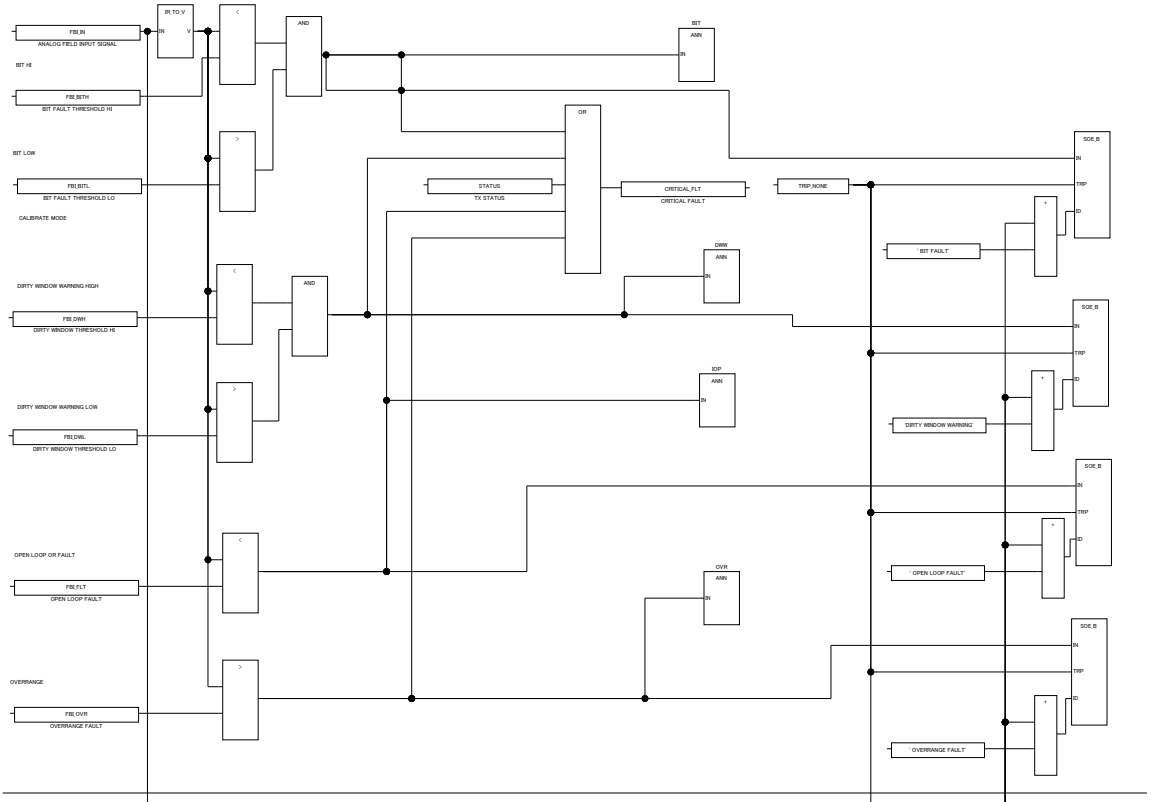
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 185
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

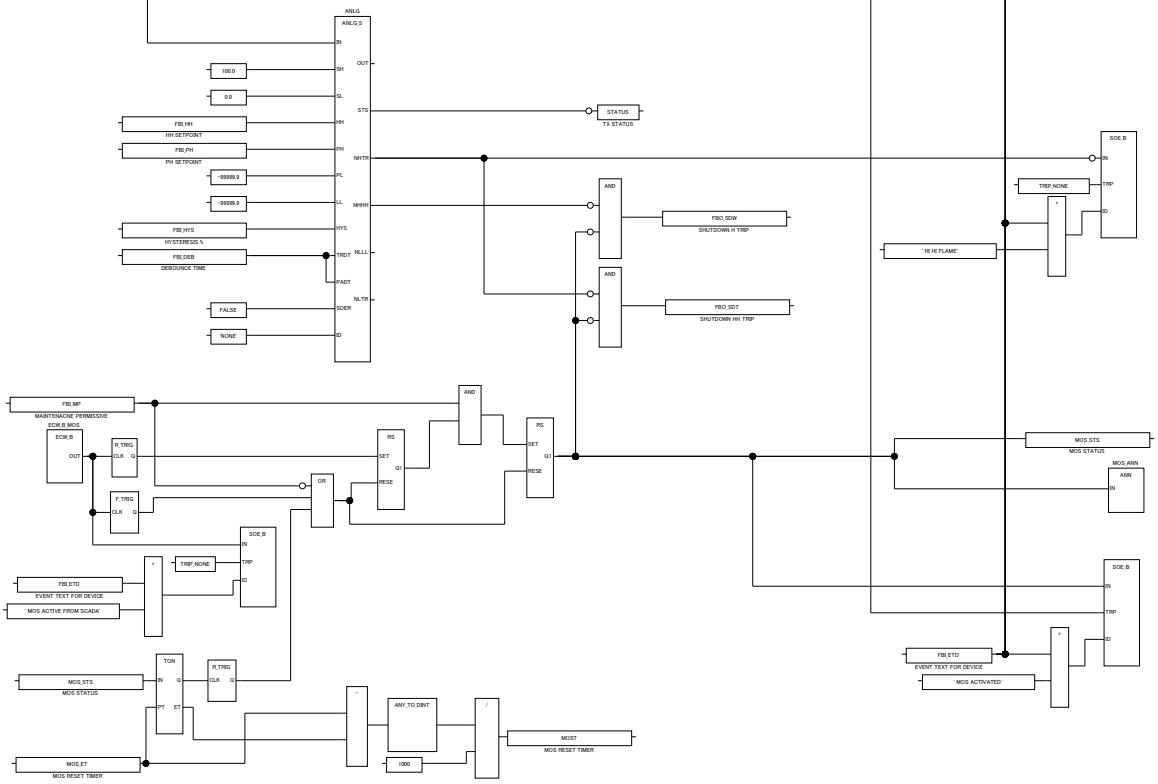
YOKOGAWA

TYPICAL : FLAME_IR (User Defined Function Block)

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

Rev 00
Rev 01





AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 188
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	06-DEC-2024		TOTAL: 201
				REVISION:	00		

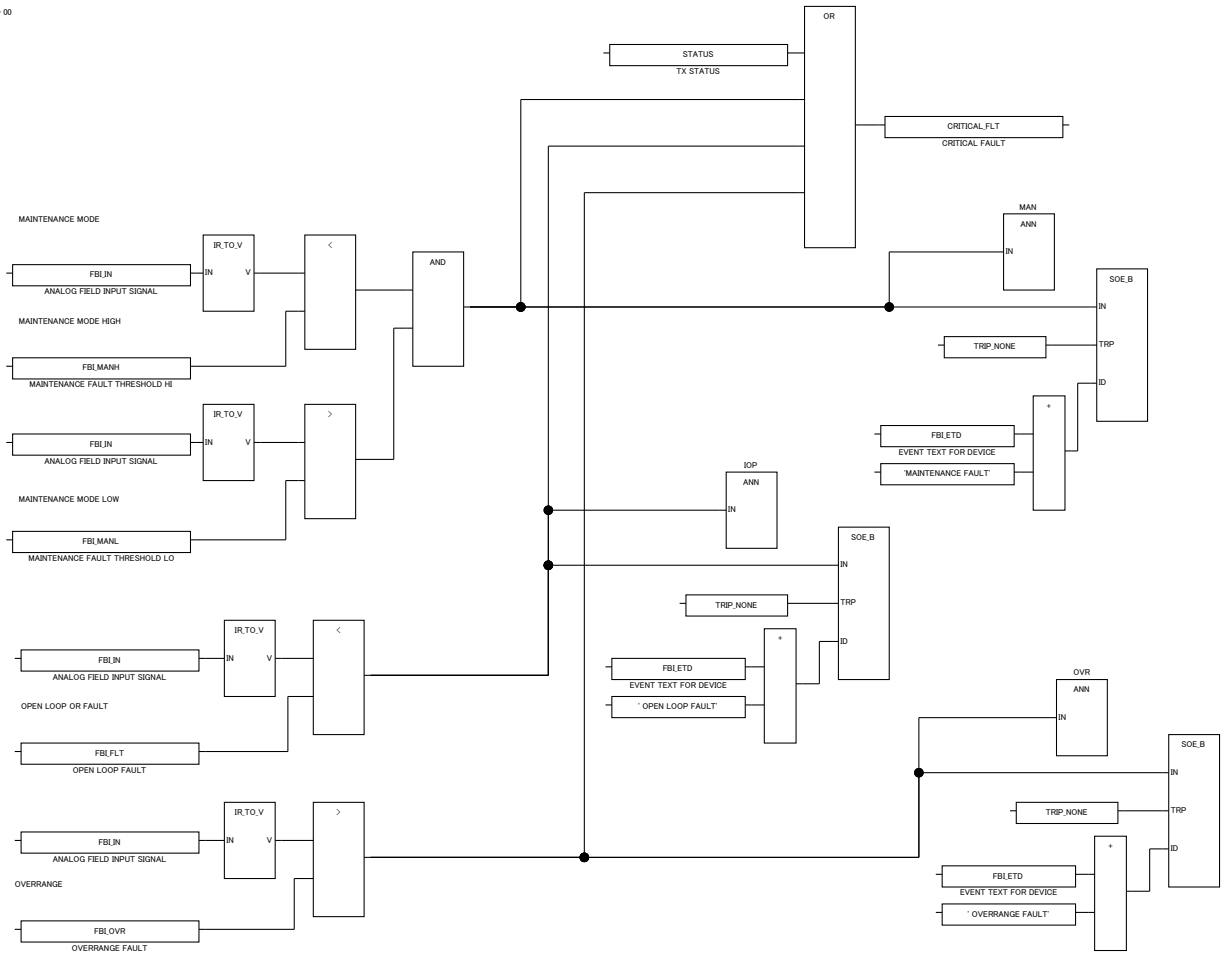
1.52. FG_GD(* Gas Detector Analog Input *)

YOKOGAWA

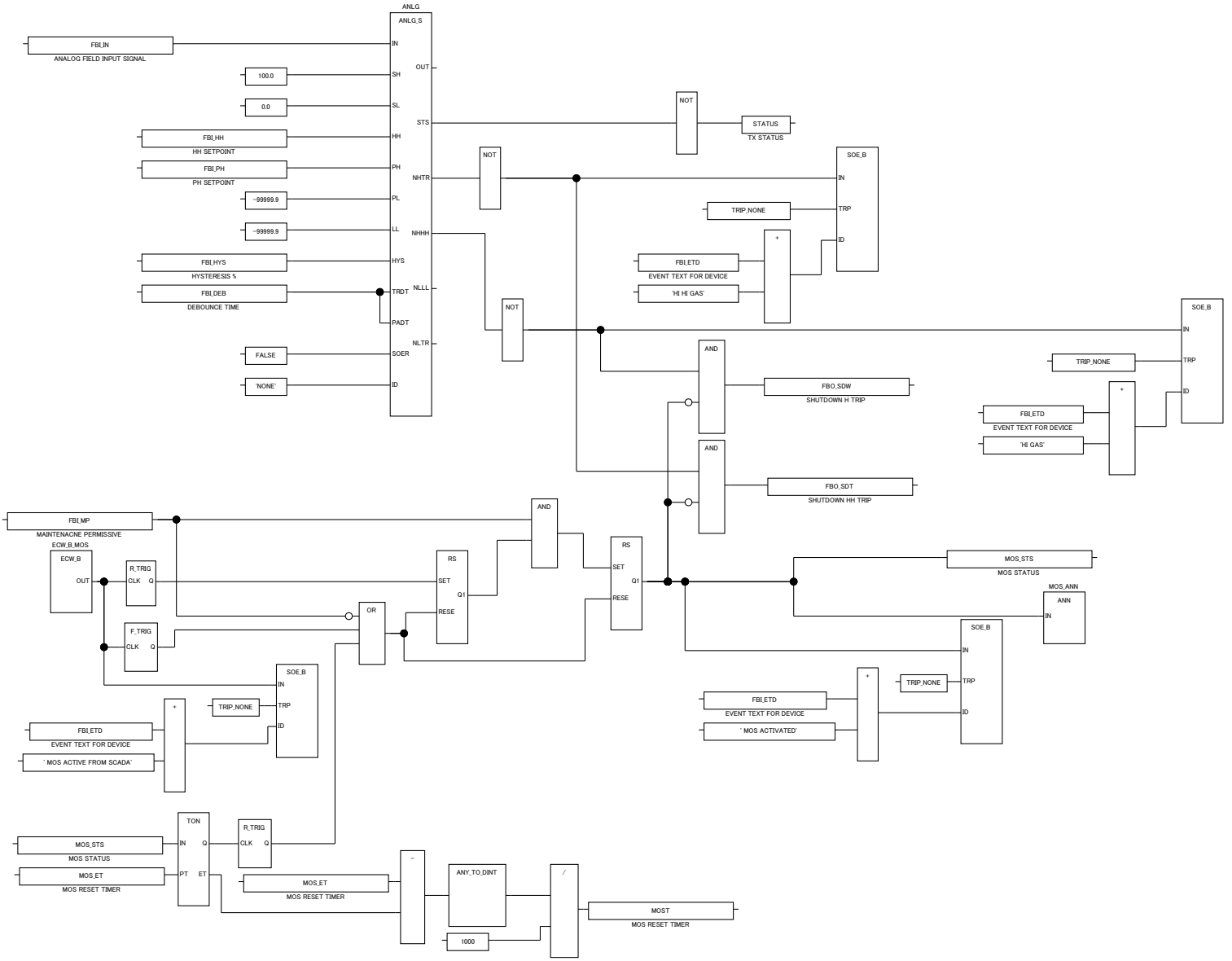
TYPICAL : GAS DETECTOR (User Defined Function Block)

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.

Rev 00



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 187
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 188
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

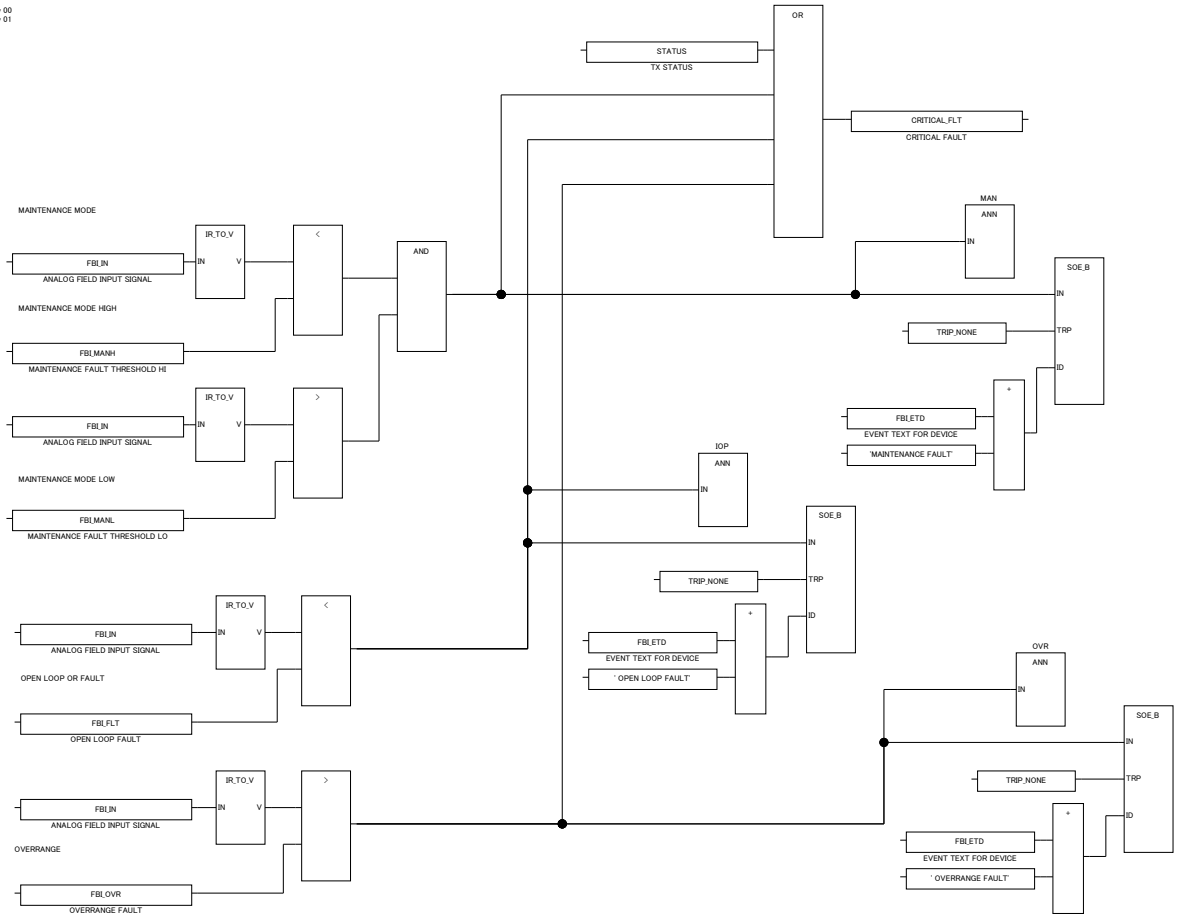
1.53. FG_LD(* LeakDetector Analog Input *)

YOKOGAWA

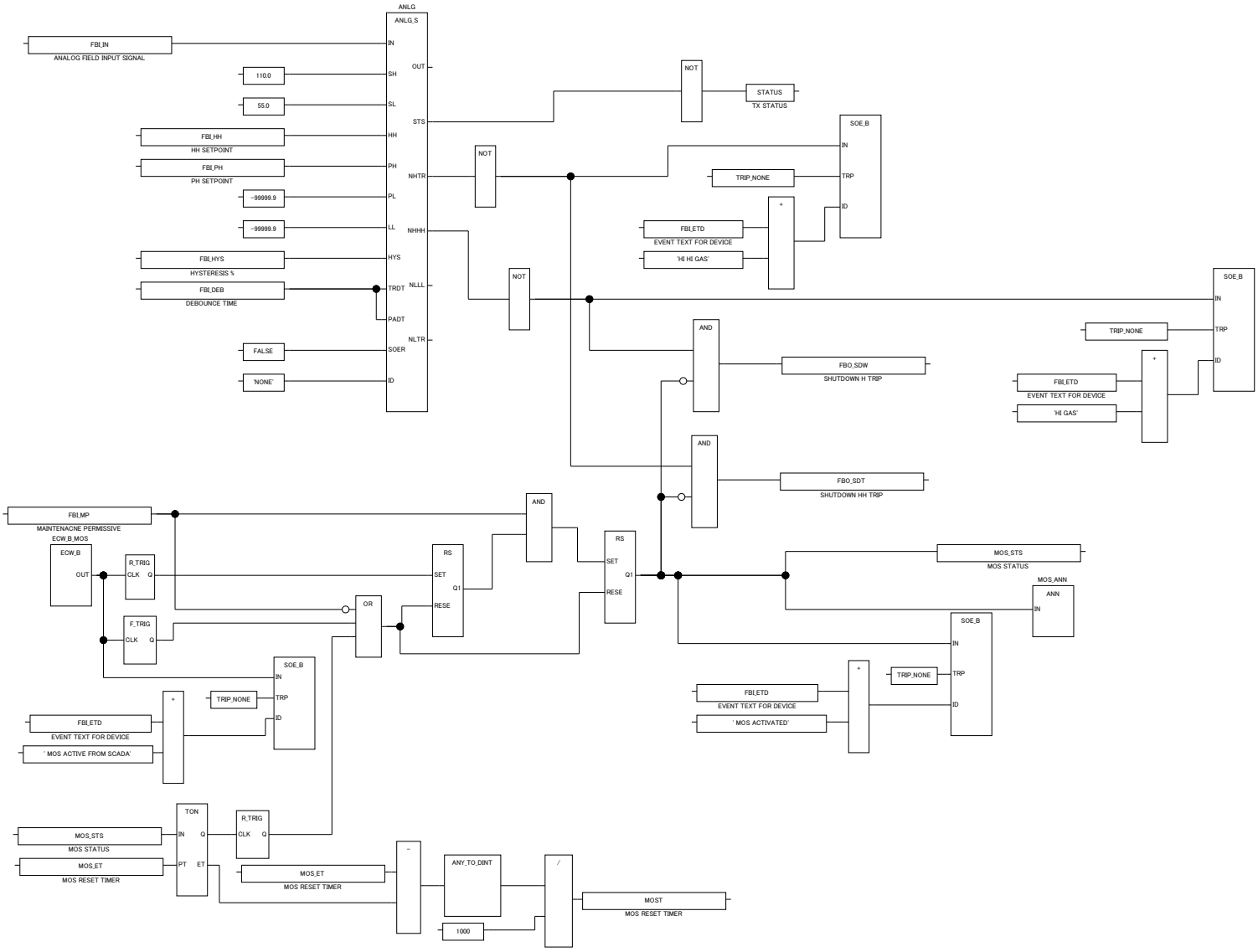
TYPICAL : LEAK DETECTOR (User Defined Function Block)

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.

Rev 00
Rev 01



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 189
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 190
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

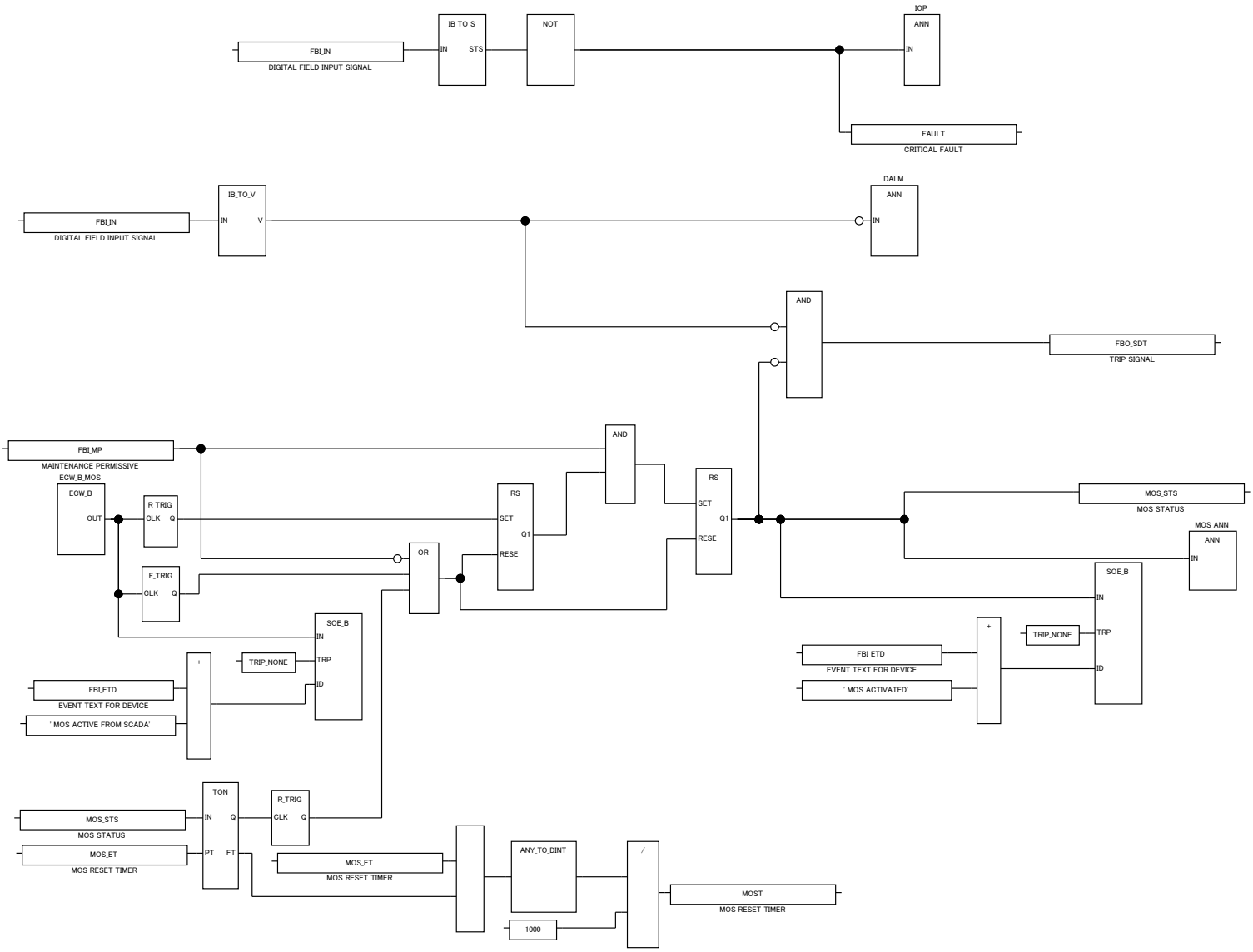
1.54. FG_MAN_REL_NC(* FGS NC Type Digital Input *)

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

Rev 00



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 191
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

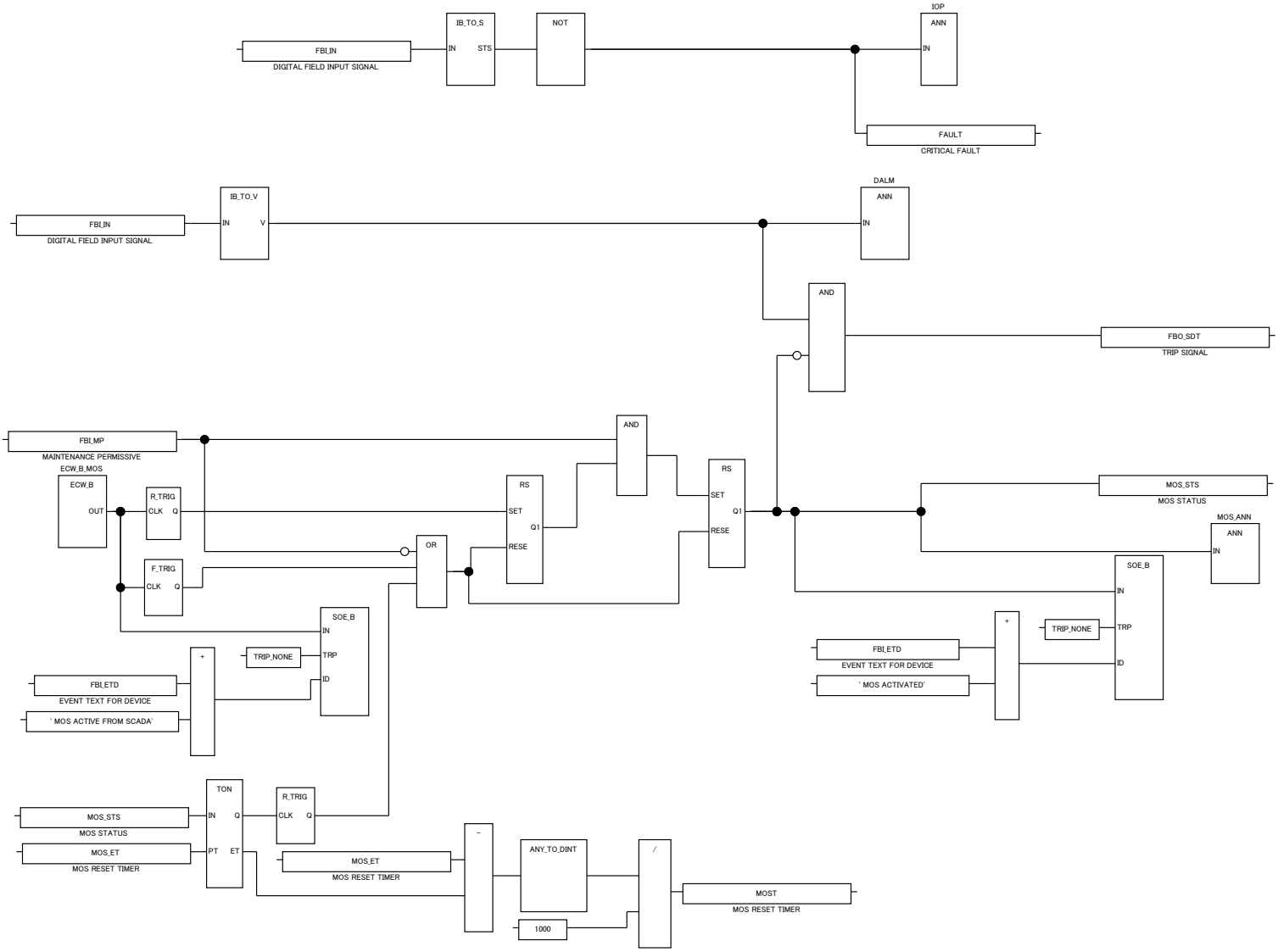
1.55. FG_MAN_REL_NO(* FGS NO Type Digital Input *)

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

Rev 00



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 192
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

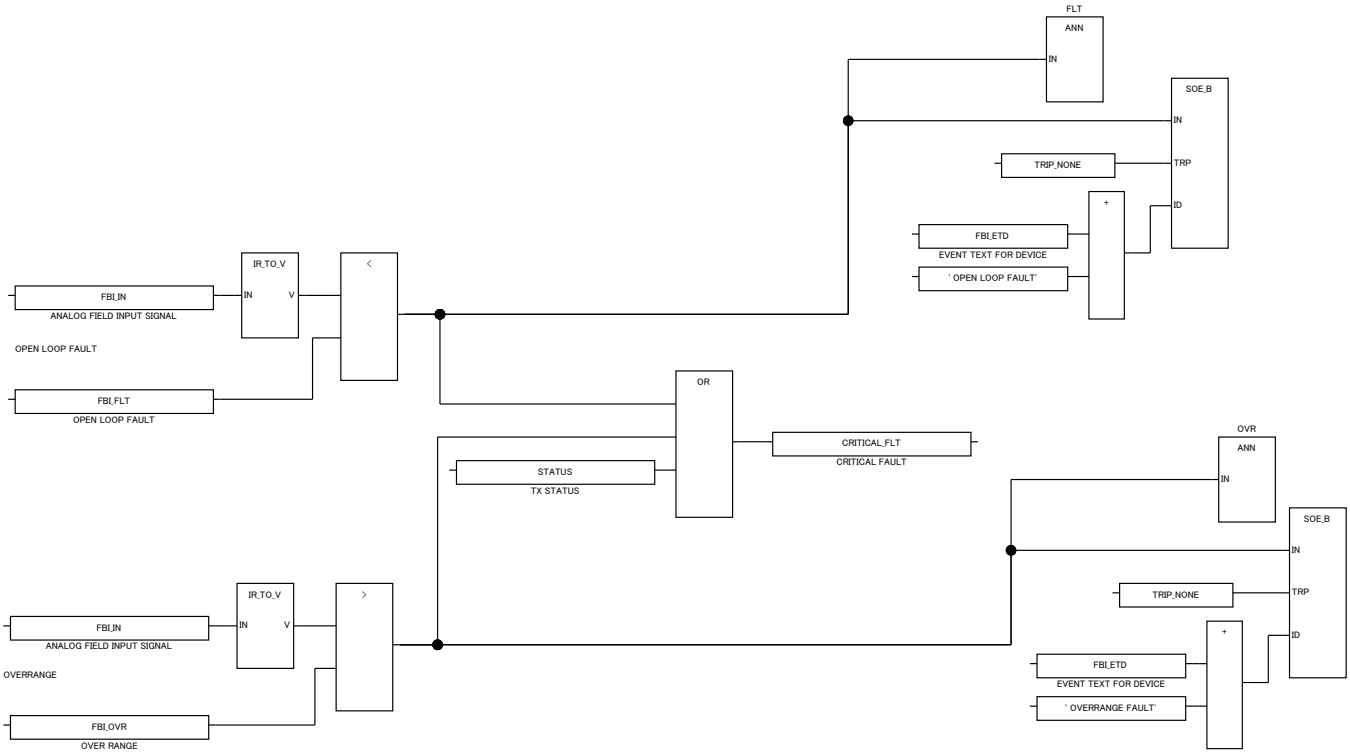
1.56. FG_SD(* Smoke Detector Analog Input *)

YOKOGAWA

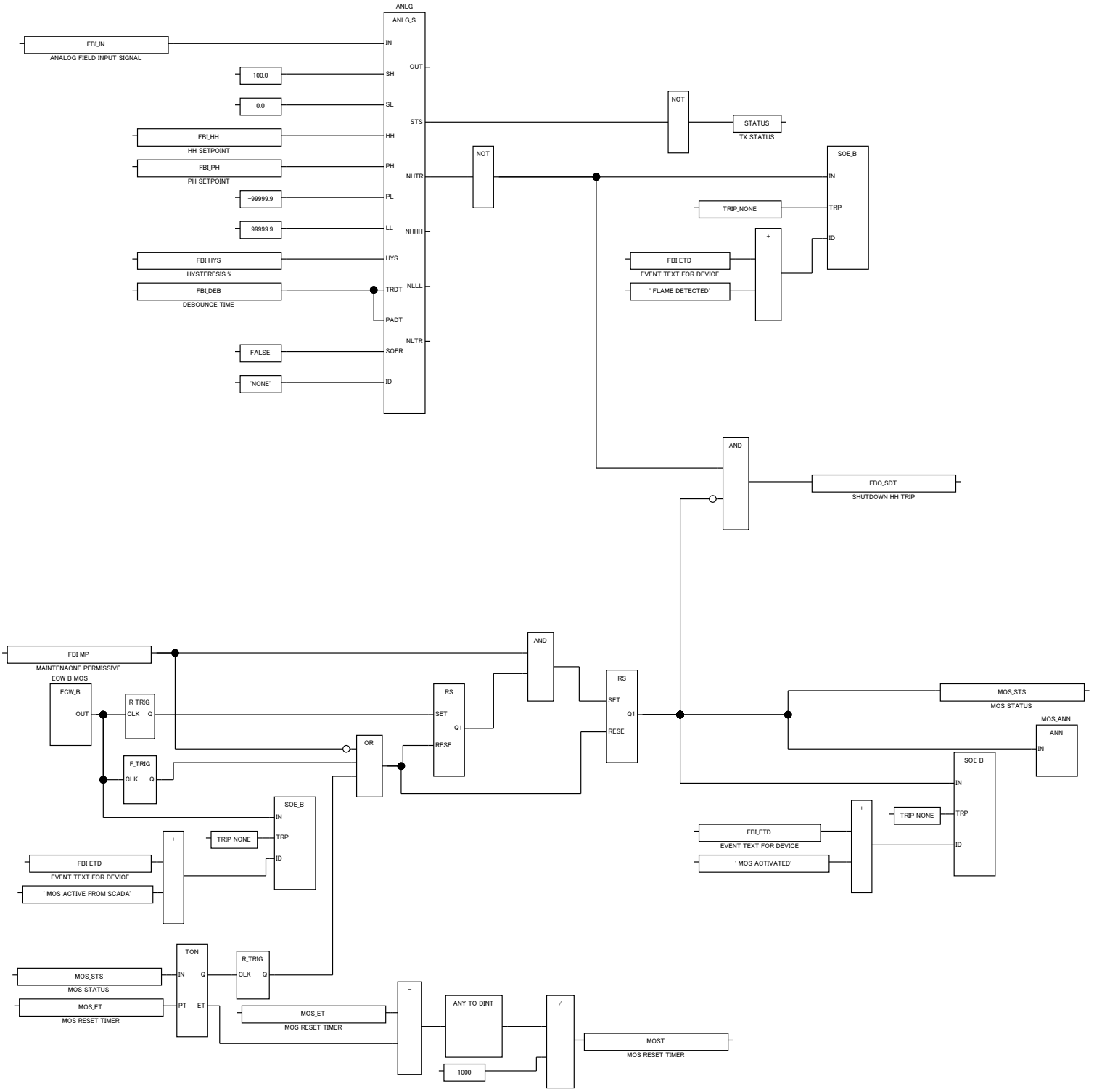
TYPICAL : SMOKE DETECTOR (User Defined Function Block)

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

Rev 00



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 193
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



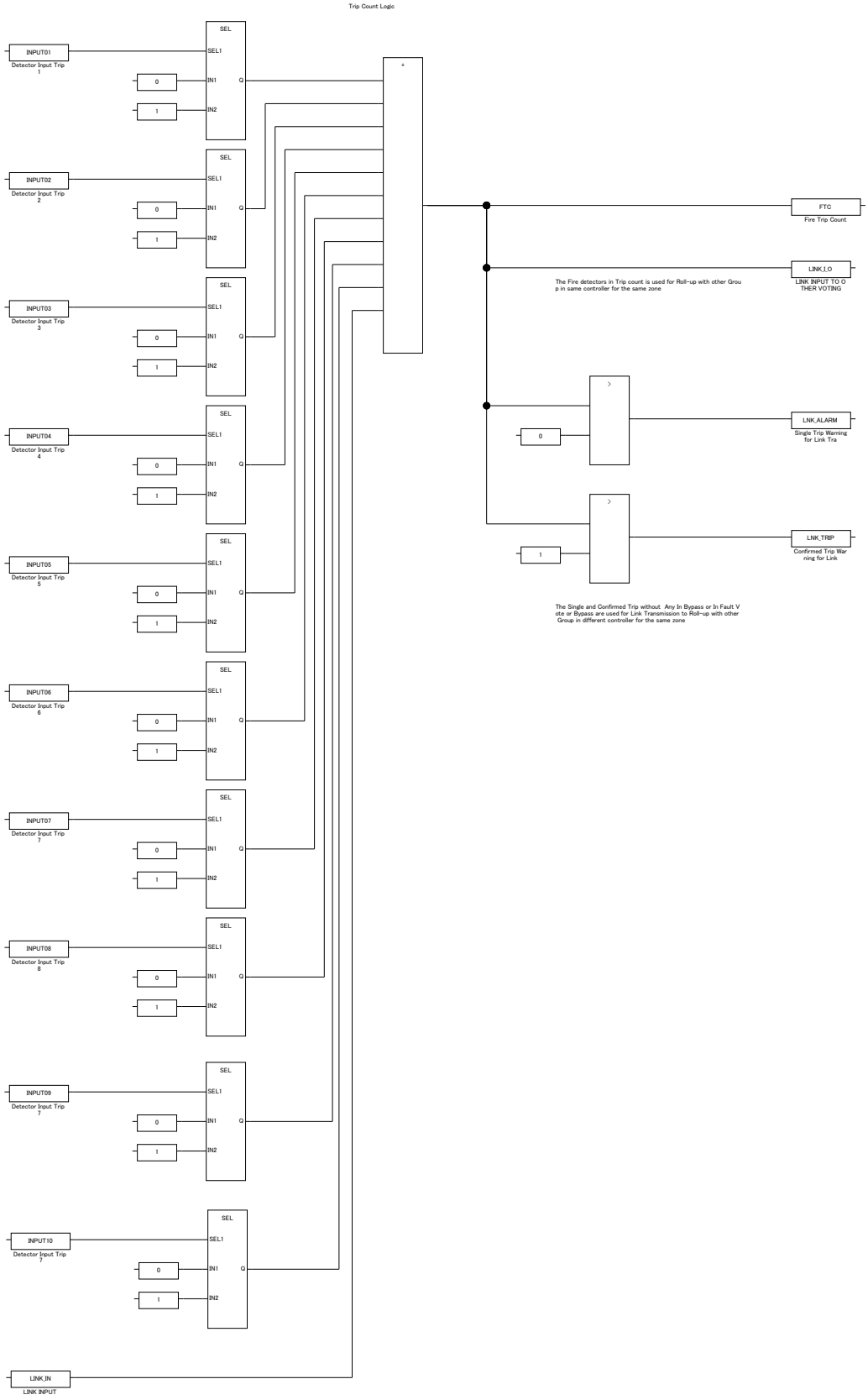
AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 194
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

1.57. FG_V2N(* 2ooN Detectors Vote *)

Typical: FG_V2N (User Defined Function Block)

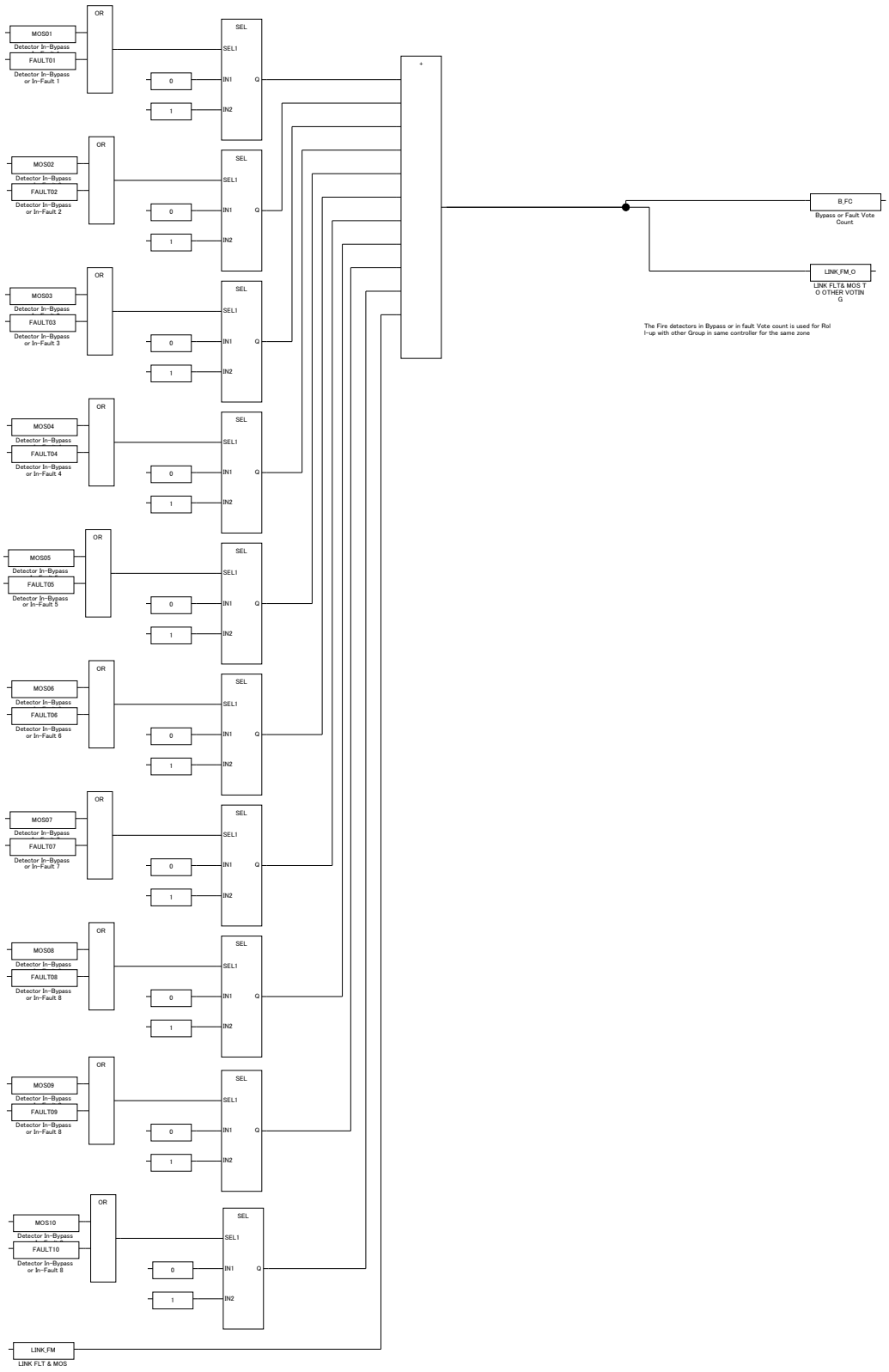
DESCRIPTION: 2OON FOR Detectors in Bypass or Fault Vote & Trip Vote logics for FGS applications.
Typical to handle: Count Boolean bits from Detectors Any in Bypass or Fault Vote & Trip to Vote.

Rev 00



AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 195
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

In- Bypass or In-Fault Count Logic



The Fire detectors in Bypass or in fault Vote count is used for Rol l-up with other Group in same controller for the same zone

O=NONE
I=ANY

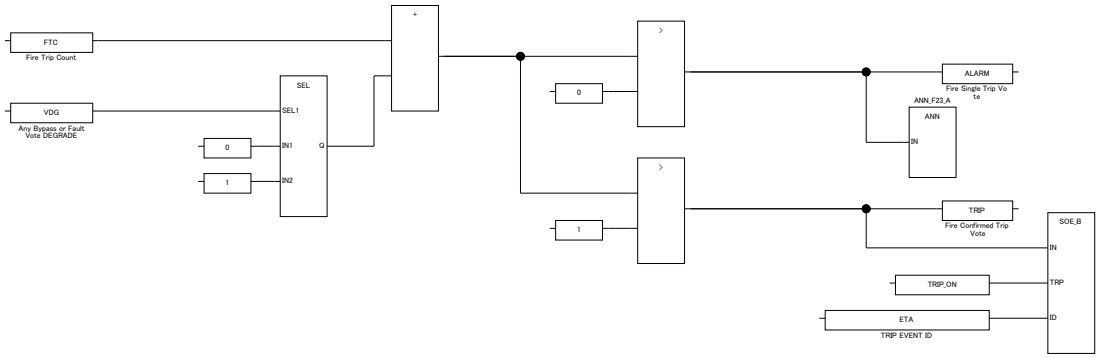


AREA:	-	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 196
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

Confirmed / Single Fire Warning Check Logic

For 2ooN configurations, executive actions shall be initiated when one of the following applies:
a: Two or more detectors are in Alarm condition
b: One or more detectors are in Fault AND one detector is in Alarm.

0=NORMAL
1= ALARM



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 197
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

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

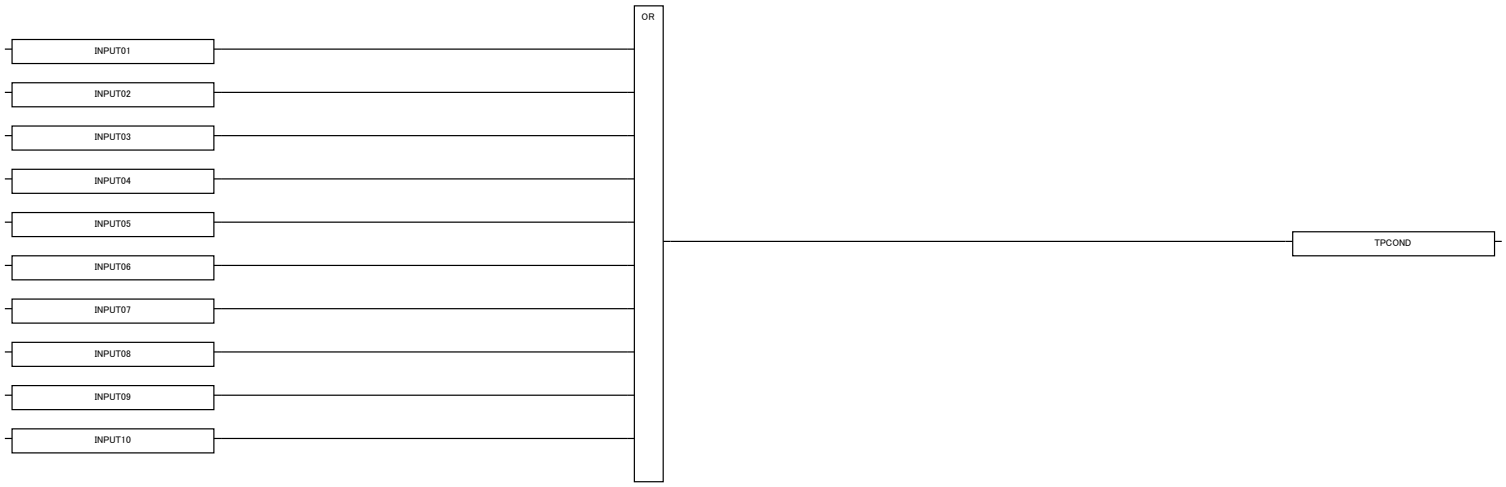
1.0.0

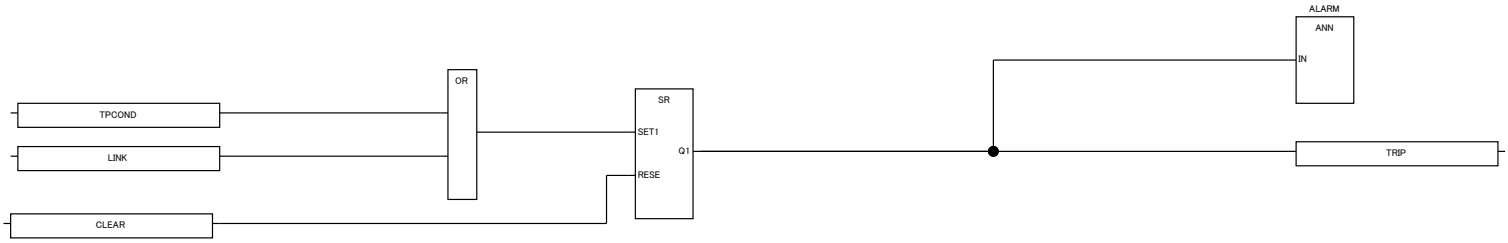
YOKOGAWA

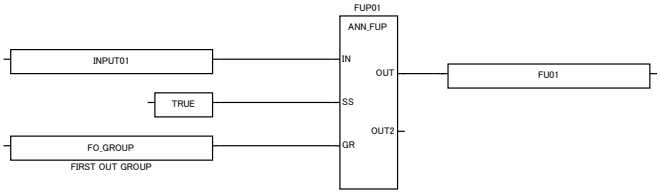
TYPICAL : UZGRP (User Defined Function Block)

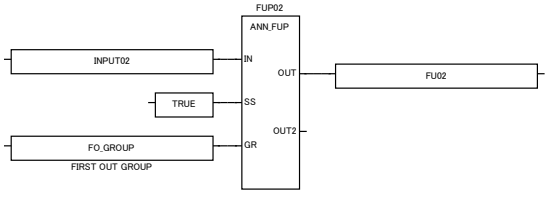
DESCRIPTION : This FB is used for the processing trip logic.
The UZGRP function block has the following main functions:
- Trip the UZ group if any of the input causes are in tripped state.
- Initiate a first out alarm.
- Latch the UZ trip until the causes have returned to normal state & no reset is activated.

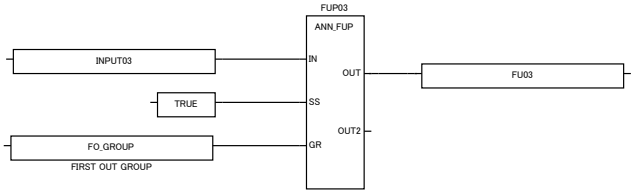
Rev 00



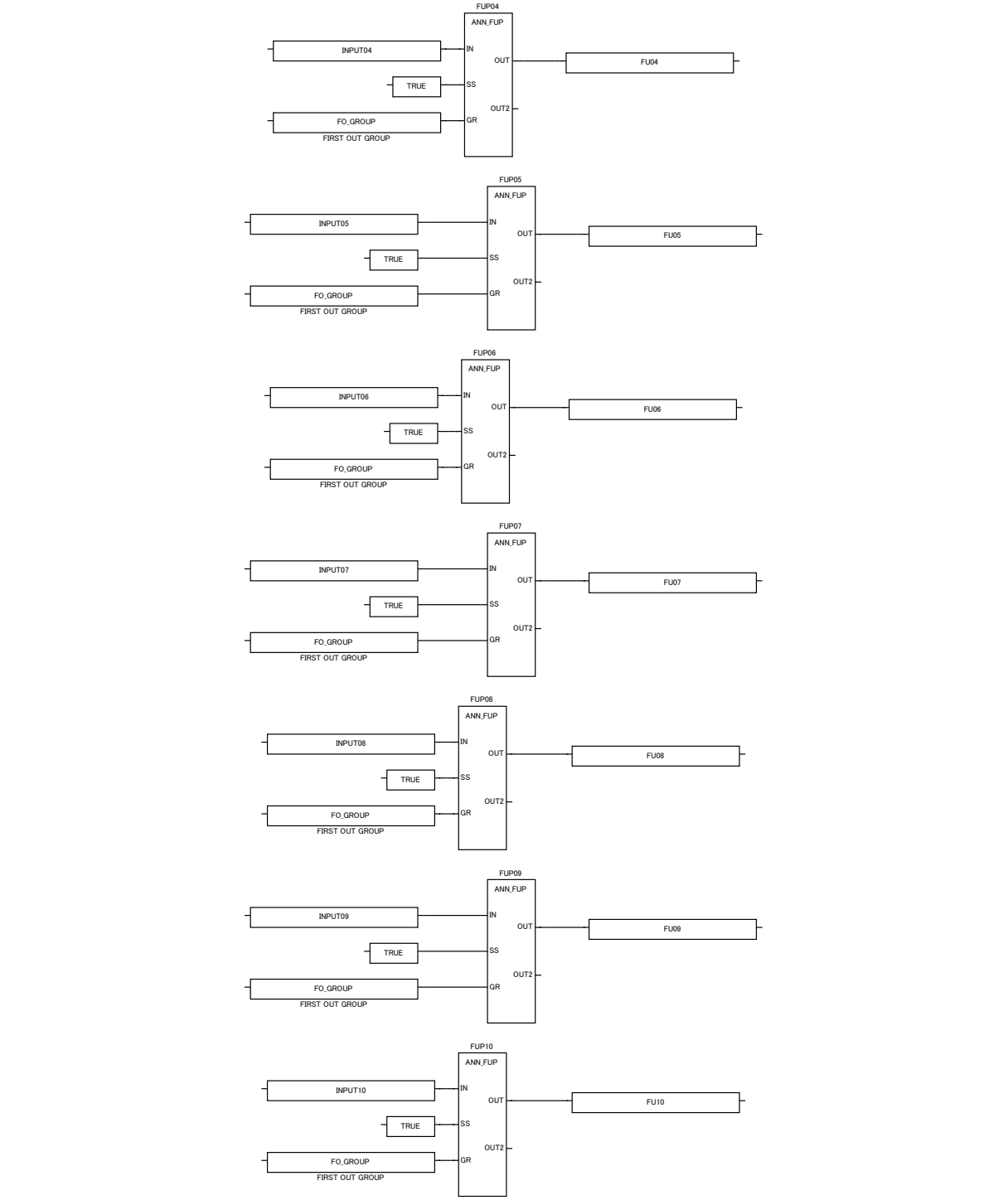


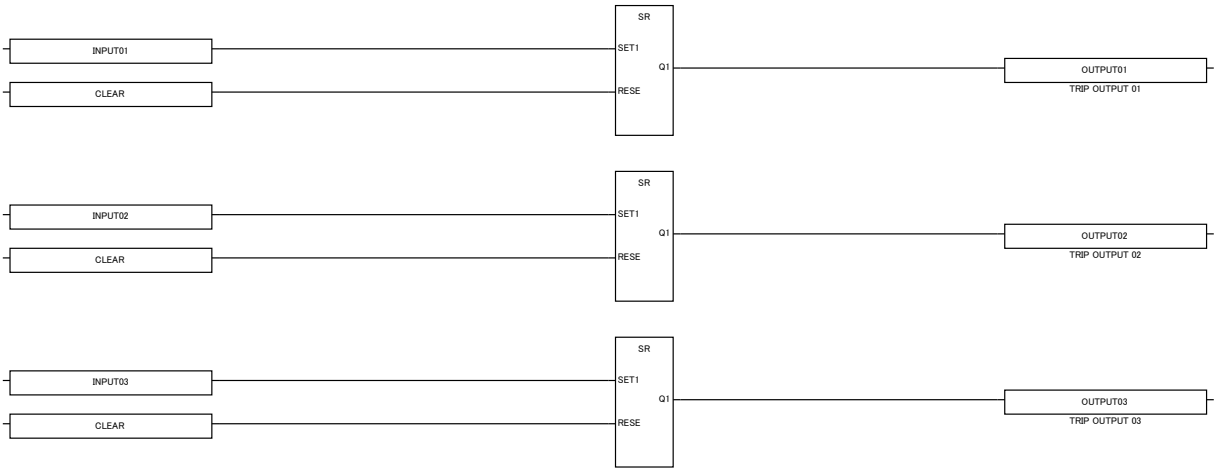




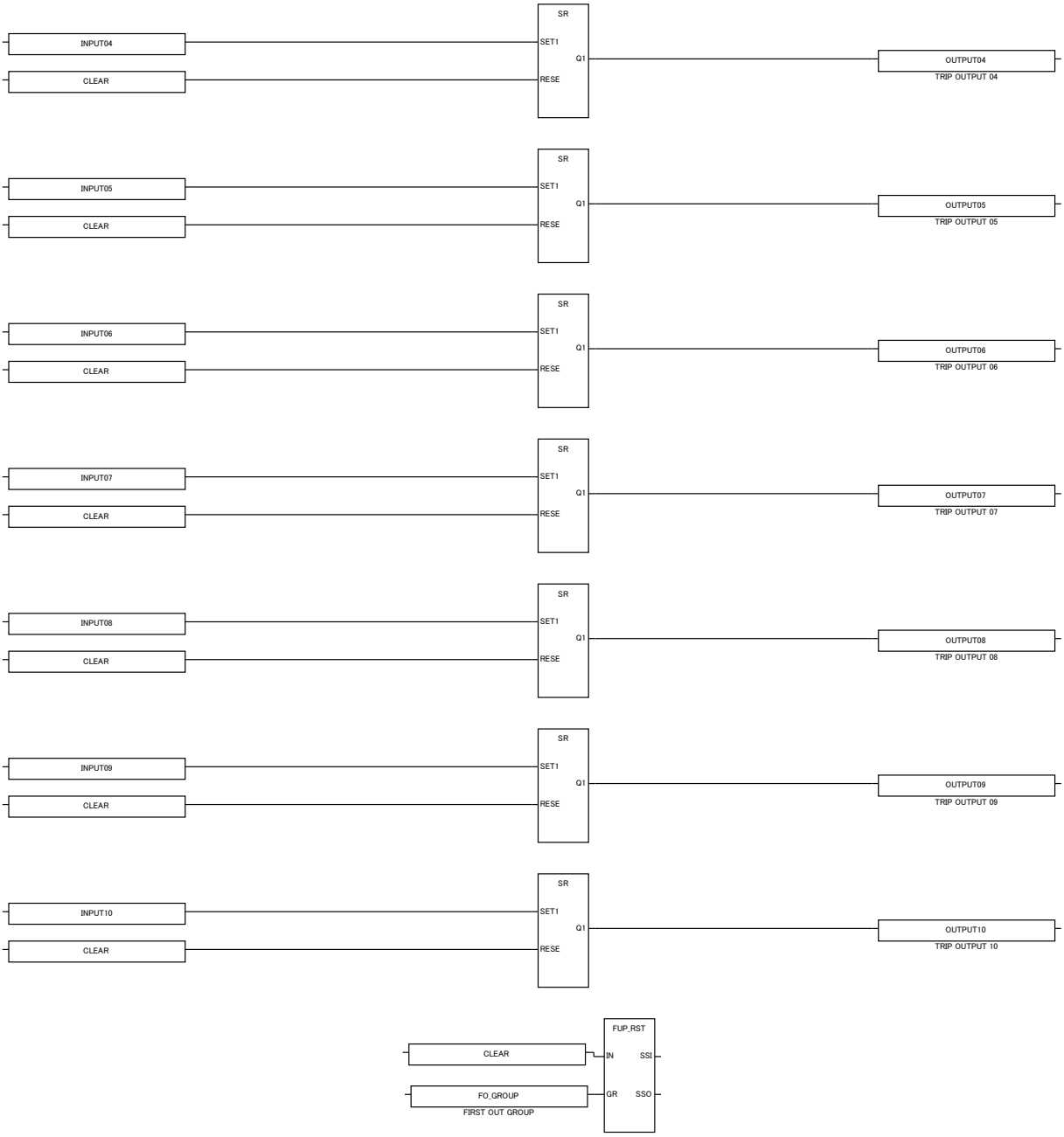


AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 198
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		





AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 199
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		



AREA:	–	CONTRACTOR:	ROSETTI MARINO	PROJECT:	BASE LOAD POWER HUB (BLPH)	YOKOGAWA	PAGE: 200
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		

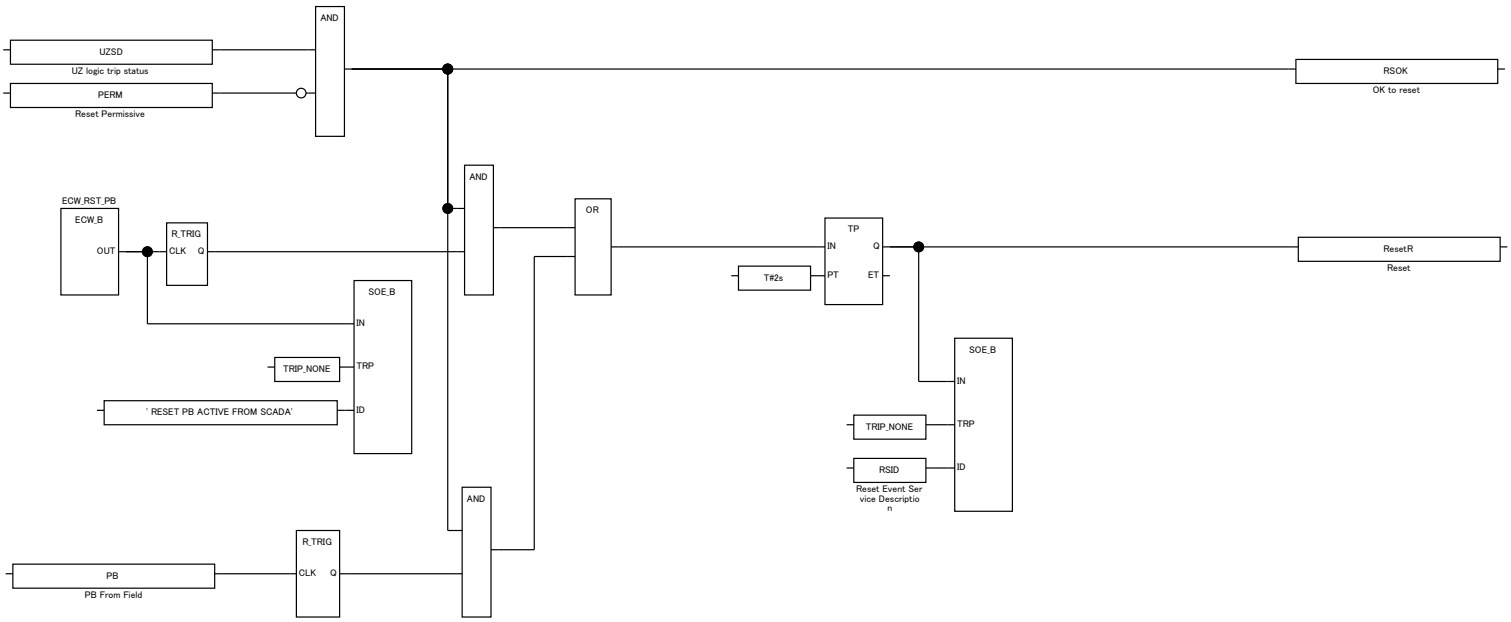
1.59. UZRST(* IPS Reset for UZ group *)

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	PAGE: 201
SCS PROJECT:	SCS0120	END USER:	CROSSWIND	DOCUMENT NAME:	SELF DOCUMENTATION/LOGIC PRINTOUTS-FGS		
SYSTEM:	FGS	POU COMMENT:		DATE:	26-DEC-2024		TOTAL: 201
				REVISION:	03		