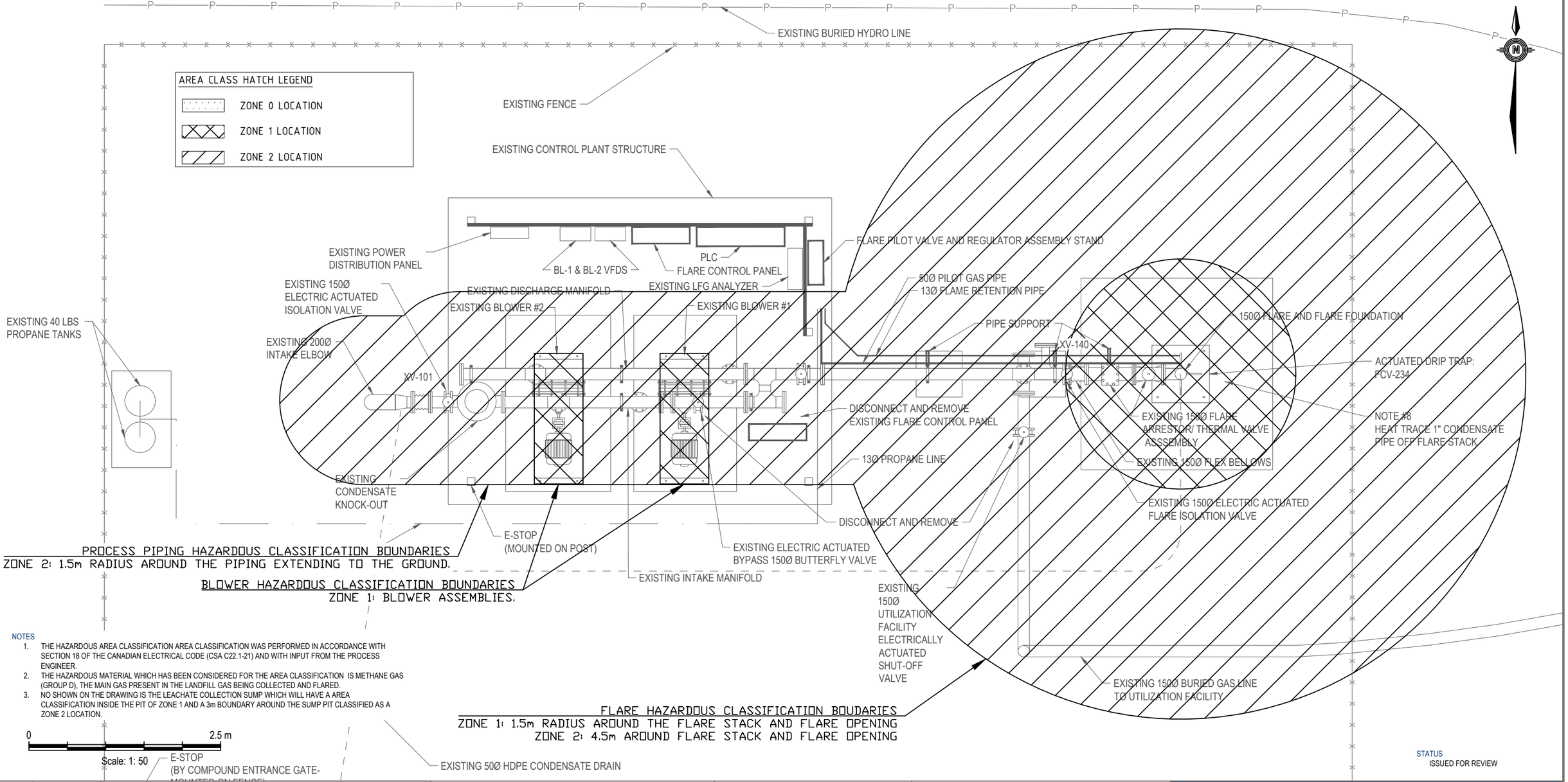


NOTES

1. THE HAZARDOUS AREA CLASSIFICATION AREA CLASSIFICATION WAS PERFORMED IN ACCORDANCE WITH SECTION 18 OF THE CANADIAN ELECTRICAL CODE (CSA C22.1-21) AND WITH INPUT FROM THE PROCESS ENGINEER.
2. THE HAZARDOUS MATERIAL WHICH HAS BEEN CONSIDERED FOR THE AREA CLASSIFICATION IS METHANE GAS (GROUP D), THE MAIN GAS PRESENT IN THE LANDFILL GAS BEING COLLECTED AND FLARED.
3. NO SHOWN ON THE DRAWING IS THE LEACHATE COLLECTION SUMP WHICH WILL HAVE A AREA CLASSIFICATION INSIDE THE PIT OF ZONE 1 AND A 3m BOUNDARY AROUND THE SUMP PIT CLASSIFIED AS A ZONE 2 LOCATION.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
REVISIONS			
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
DRAWING STATUS			

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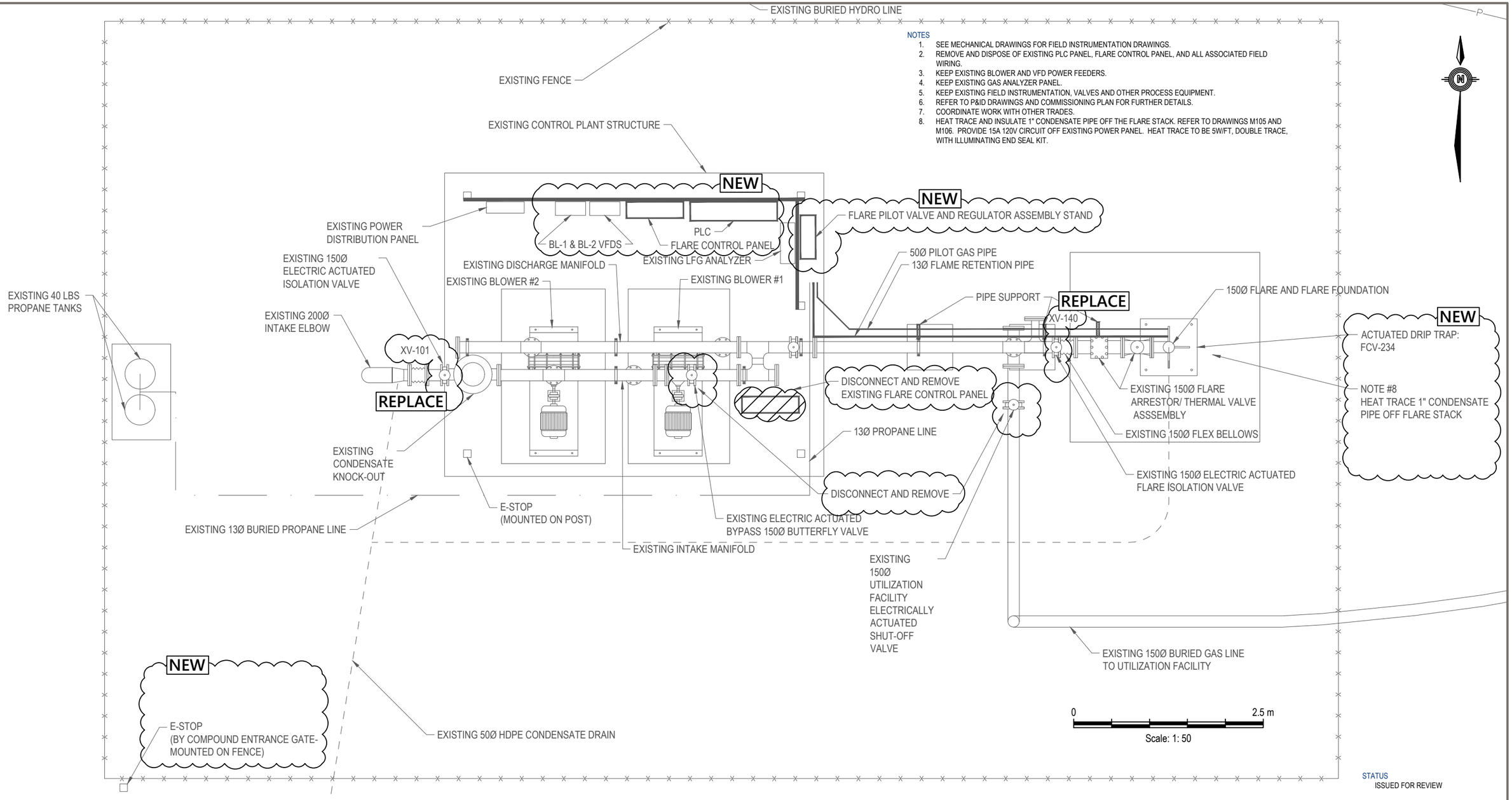
REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

PLANT AREA CLASSIFICATION

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E01**
DATE: February 8, 2023	SHEET No. 1 of 20	DWN AY	APP EB	STATUS IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nainaimo Flare Upgrade\06 Drawings\AREA CLASSIFICATION.dwg [E01] October 25, 2023 - 4:32:25 pm (BY: ERIC BUDD)

NOTES
1. SEE MECHANICAL DRAWINGS FOR FIELD INSTRUMENTATION DRAWINGS.
2. REMOVE AND DISPOSE OF EXISTING PLC PANEL, FLARE CONTROL PANEL, AND ALL ASSOCIATED FIELD WIRING.
3. KEEP EXISTING BLOWER AND VFD POWER FEEDERS.
4. KEEP EXISTING GAS ANALYZER PANEL.
5. KEEP EXISTING FIELD INSTRUMENTATION, VALVES AND OTHER PROCESS EQUIPMENT.
6. REFER TO P&ID DRAWINGS AND COMMISSIONING PLAN FOR FURTHER DETAILS.
7. COORDINATE WORK WITH OTHER TRADES.
8. HEAT TRACE AND INSULATE 1" CONDENSATE PIPE OFF THE FLARE STACK. REFER TO DRAWINGS M105 AND M106. PROVIDE 15A 120V CIRCUIT OFF EXISTING POWER PANEL. HEAT TRACE TO BE 5W/FT, DOUBLE TRACE, WITH ILLUMINATING END SEAL KIT.



STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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REGIONAL DISTRICT OF NANAIMO

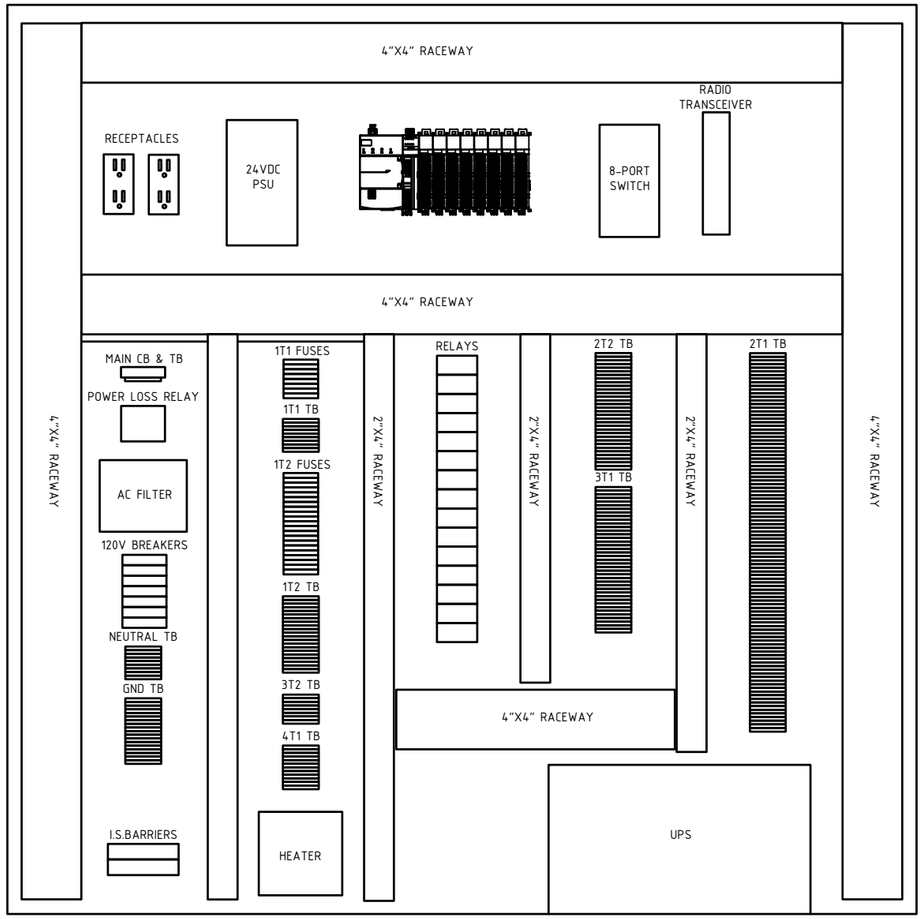
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REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

FLARE COMPOUND AREA - ELECTRICAL PLAN

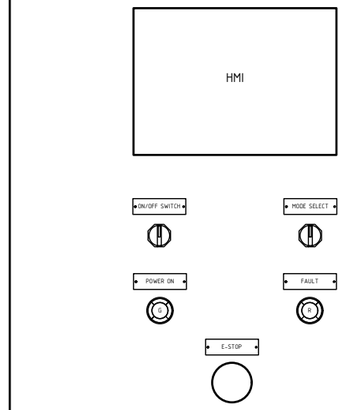
PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E02**
DATE: February 8, 2023	SHEET No. 2 of 20	DWN AY	APP EB	STATUS IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nainaimo Flare Upgrade\06 Drawings\AREA CLASSIFICATION.dwg [E02] October 25, 2023 - 4:33:20 pm (BY: ERIC BUDD)



1 PLC PANEL - INTERIOR LAYOUT

Scale: NTS



2 PLC PANEL - EXTERIOR LAYOUT

Scale: NTS

NOTES

1. PANEL LAYOUT SHOWN FOR SCHEMATIC PURPOSES ONLY, PLC PANEL SUPPLIER WILL BE RESPONSIBLE FOR FINAL LAYOUT.
2. PROVIDE INTERNAL BARRIER/ENCLOSURE AROUND I.S. BARRIER INPUTS.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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NANAIMO, BC

PLC PANEL LAYOUT

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E03**
DATE: February 8, 2023	SHEET No. 3 of 20	DWN AY	APP EB	STATUS IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nainaimo Flare Upgrade\06 Drawings\PANEL LAYOUT.dwg [E03] October 25, 2023 - 4:32:39 pm (BY: ERIC BUDD)

PLC PANEL EQUIPMENT SCHEDULE

QTY	DESCRIPTION
1	AC FILTER - SOLA STFV-200-10N OR EQUIVALENT
1	ETHERNET SWITCH - ALLEN BRADLEY 1738-US8T OR EQUIVALENT
1	RADIO TRANSCEIVER - MDS ORBIT MCR-900 OR EQUIVALENT
1	PLC CPU - ALLEN BRADLEY 5069-L320ER
3	PLC DIGITAL INPUT MODULE - ALLEN-BRADLEY 5069-IB16
1	PLC DIGITAL OUTPUT MODULE - ALLEN-BRADLEY 5069-OB16
2	PLC ANALOG INPUT MODULE - ALLEN-BRADLEY 5069-IF8
1	PLC ANALOG INPUT MODULE - ALLEN-BRADLEY 5069-IY4
1	PLC ANALOG OUTPUT MODULE - ALLEN-BRADLEY 5069-OF8
2	PLC END CAPS - ALLEN-BRADLEY 5069-ECR AND 5069-ECL
1	PLC HMI - RED LION G12S1100
2	I.S. BARRIER - EATON MTL 7789+ OR EQUIVALENT
1	24V POWER SUPPLY - PHOENIX CONTACT UNO2-PS/1AC/24DC/480W OR EQUIVALENT
16	RELAYS - OMRON MY4N-D2 OR EQUIVALENT
1	UPS - EMERSON SOLA HD SDU 850 OR EQUIVALENT
1	POWER LOSS RELAY - LITTELFUSE 201-110-SP OR EQUIVALENT
1	PILOT LIGHT GREEN, SE XB7EV04BP OR EQUIVALENT
1	PILOT LIGHT RED, SE XB7EV03BP OR EQUIVALENT
1	CONTROL SWITCH - SE XB7ND33 OR EQUIVALENT
1	E-STOP - SE XB7NS8444 OR EQUIVALENT
2	RECEPTACLES - NEMA 5-15R COMPLETE WITH BOX
1	CIRCUIT BREAKERS - EATON FAZ BREAKERS OR EQUIVALENT (AMPACITY AS PER DRAWINGS)
AS REQUIRED	FUSED TERMINAL BLOCKS - WEIDMULLER ASK1 OR EQUIVALENT
AS REQUIRED	TERMINAL BLOCKS - WEIDMULLER WDU4 OR EQUIVALENT
AS REQUIRED	RACEWAY - PANDUIT STYLE W/COVER, SIZED PER DRAWINGS
1	ENCLOSURE - NEMA 3R, GREY POWDER COATED STEEL, 60"x60"x18", C/W BACKPAN, HINGED DOORS AND LOCKABLE LATCH
AS REQUIRED	DIN RAIL

NOTES
1.

STATUS
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A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
DRAWING STATUS			

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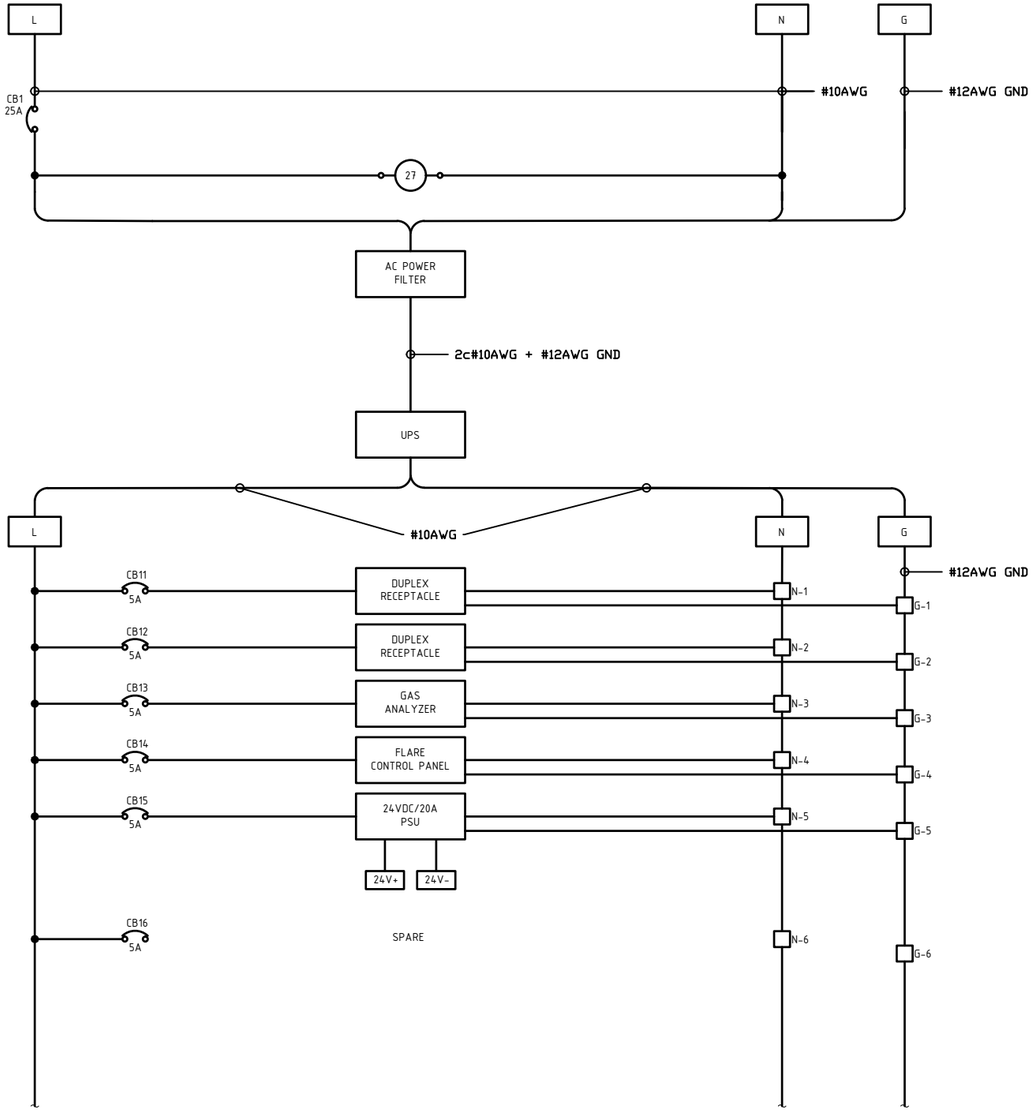
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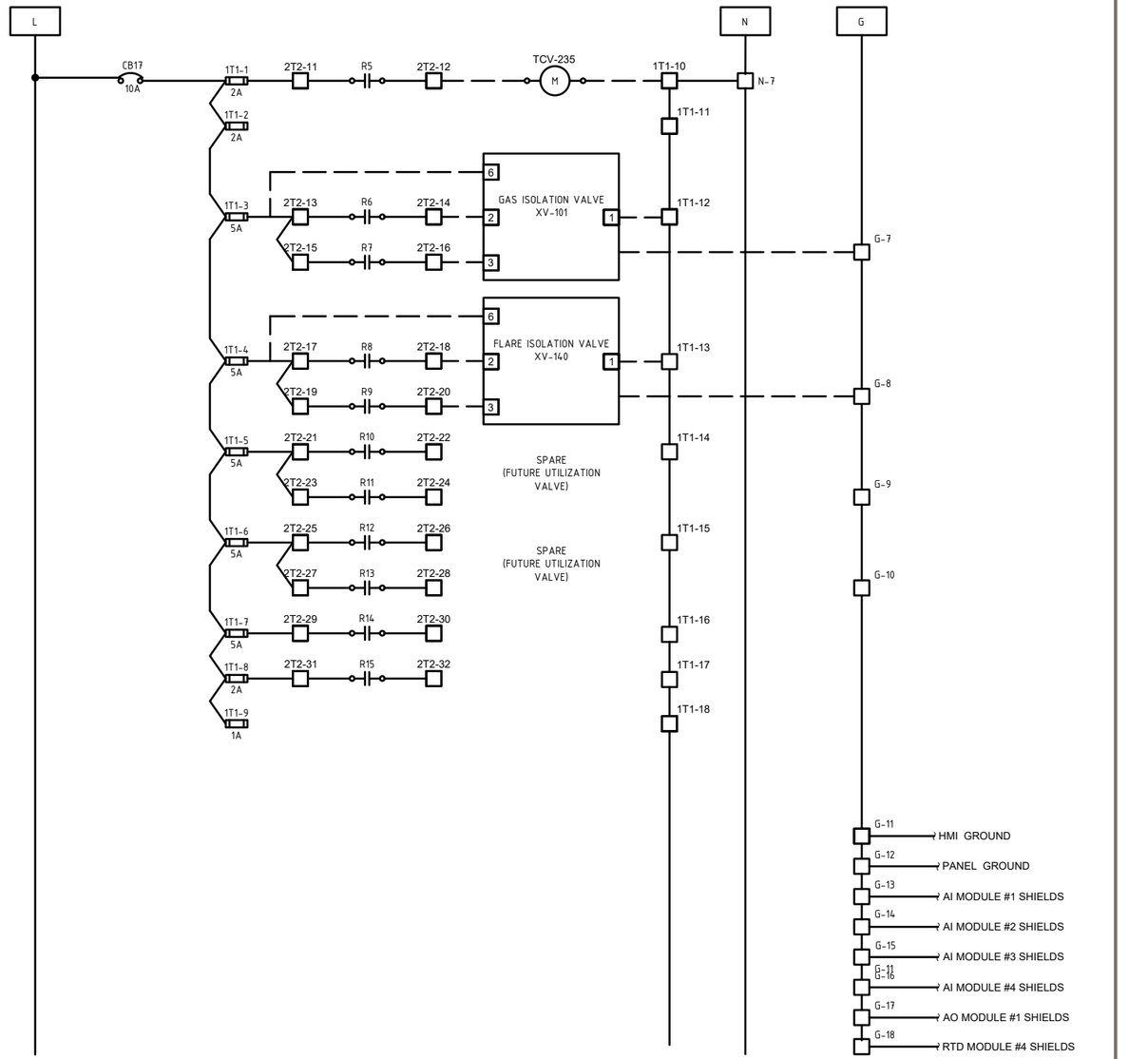
REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

PLC PANEL EQUIPMENT SCHEDULE

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E04**
DATE:	SHEET No.	DWN	APP	STATUS	
February 8, 2023	4 of 20	AY	EB	IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nanaimo Flare Upgrade\06 Drawings\PANEL LAYOUT.dwg [E04] October 25, 2023 - 4:32:52 pm (BY: ERIC BUDD)





NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 ALL 120VAV WIRING TO BE #14AWG UNLESS STATED OTHERWISE.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
REVISIONS			
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
DRAWING STATUS			

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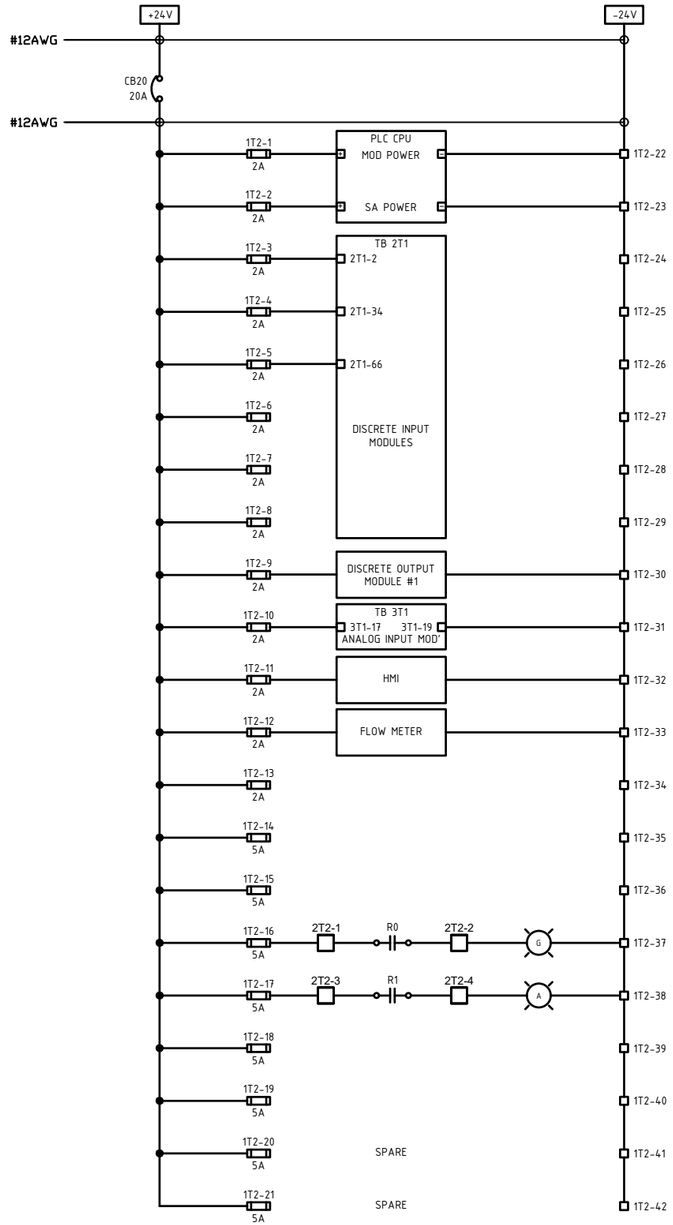
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NANAIMO, BC

PLC PANEL 120V DISTRIBUTION

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E05**
DATE: February 8, 2023	SHEET No. 5 of 20	DWN AY	APP EB	STATUS IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nanaimo Flare Upgrade\06 Drawings\PLC Wiring Details.dwg [E05] October 25, 2023 - 4:33:01 pm (BY: ERIC BUDD)



NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 ALL 24VDC WIRING TO BE #18AWG UNLESS STATED OTHERWISE.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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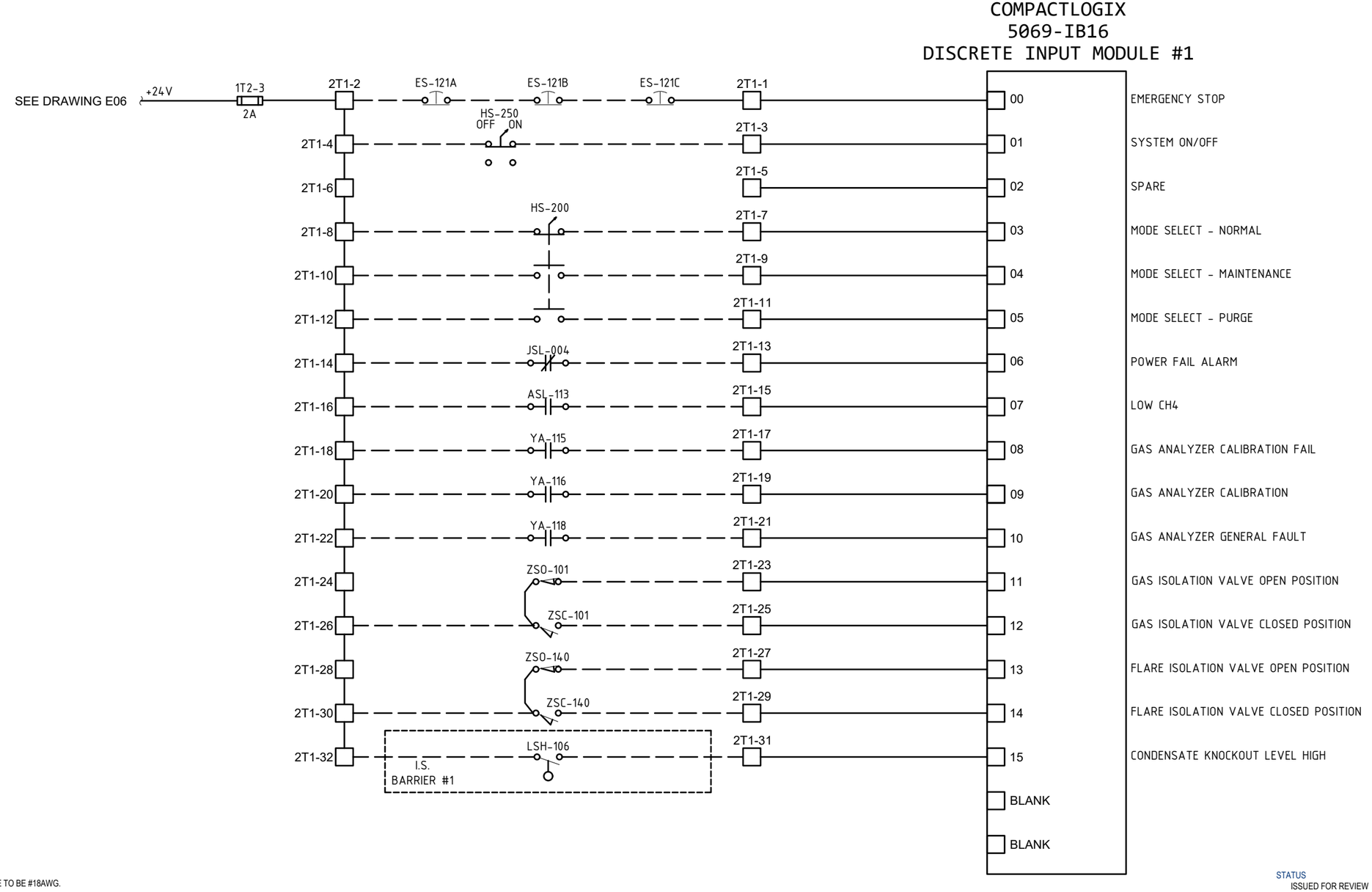
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NANAIMO, BC

PLC PANEL 24V DISTRIBUTION

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E06**
DATE: February 8, 2023	SHEET No. 6 of 20	DWN AY	APP EB	STATUS IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nanaimo Flare Upgrade\06 Drawings\PLC Wiring Details.dwg [E06] October 25, 2023 - 4:32:35 pm (BY: ERIC BUDD)



NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 ALL WIRING BETWEEN DISCRETE INPUT MODULE AND TERMINAL BLOCKS TO BE TO BE #18AWG.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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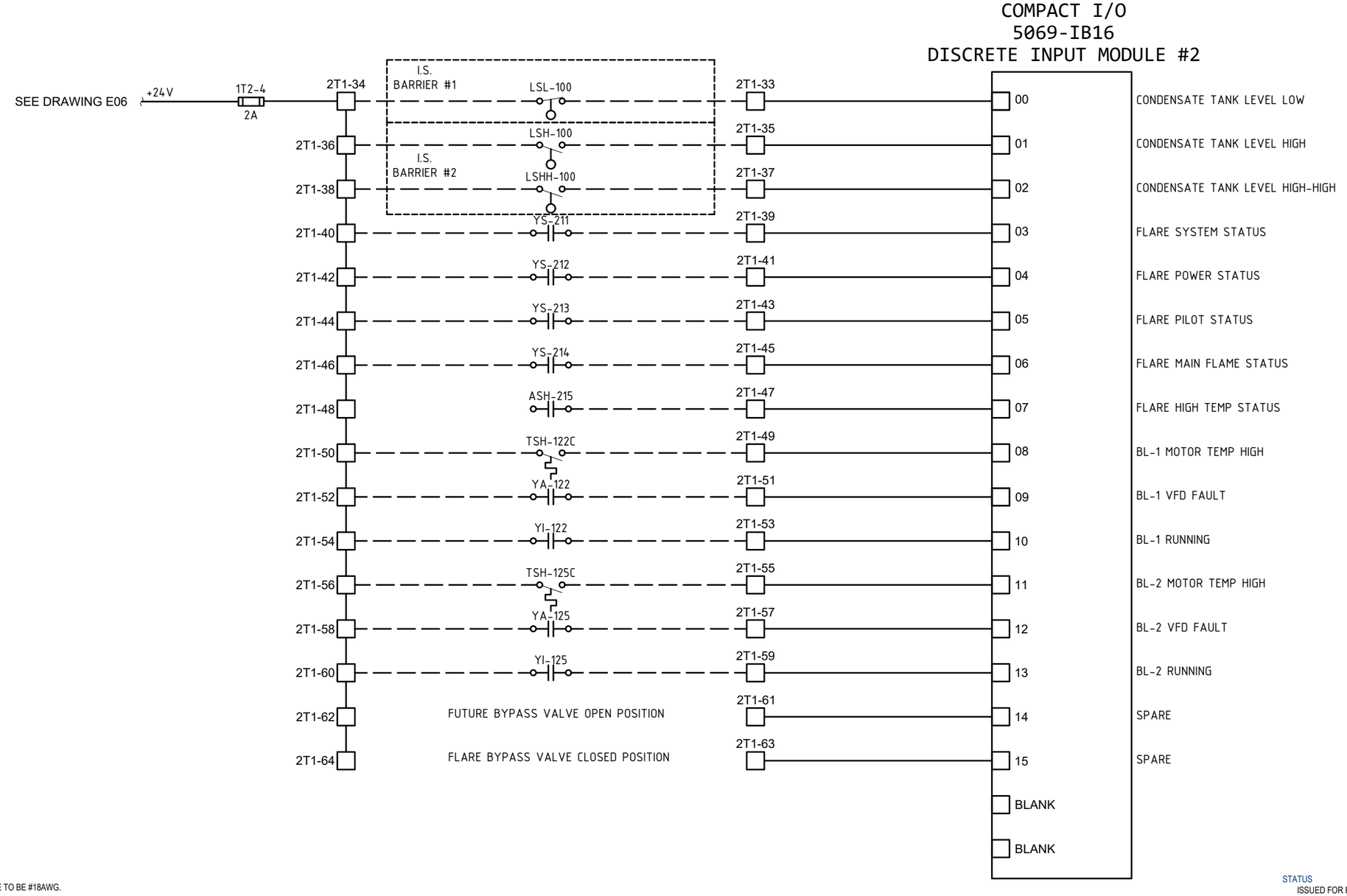
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NANAIMO, BC

DISCRETE INPUT MODULE #1
WIRING DETAILS

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E07**
DATE: February 8, 2023	SHEET No. 7 of 20	DWN AY	APP EB	STATUS IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nanaimo Flare Upgrade\06 Drawings\PLC Wiring Details.dwg [E07] October 25, 2023 - 4:32:55 pm (BY: ERIC BUDD)



NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 ALL WIRING BETWEEN DISCRETE INPUT MODULE AND TERMINAL BLOCKS TO BE TO BE #18AWG.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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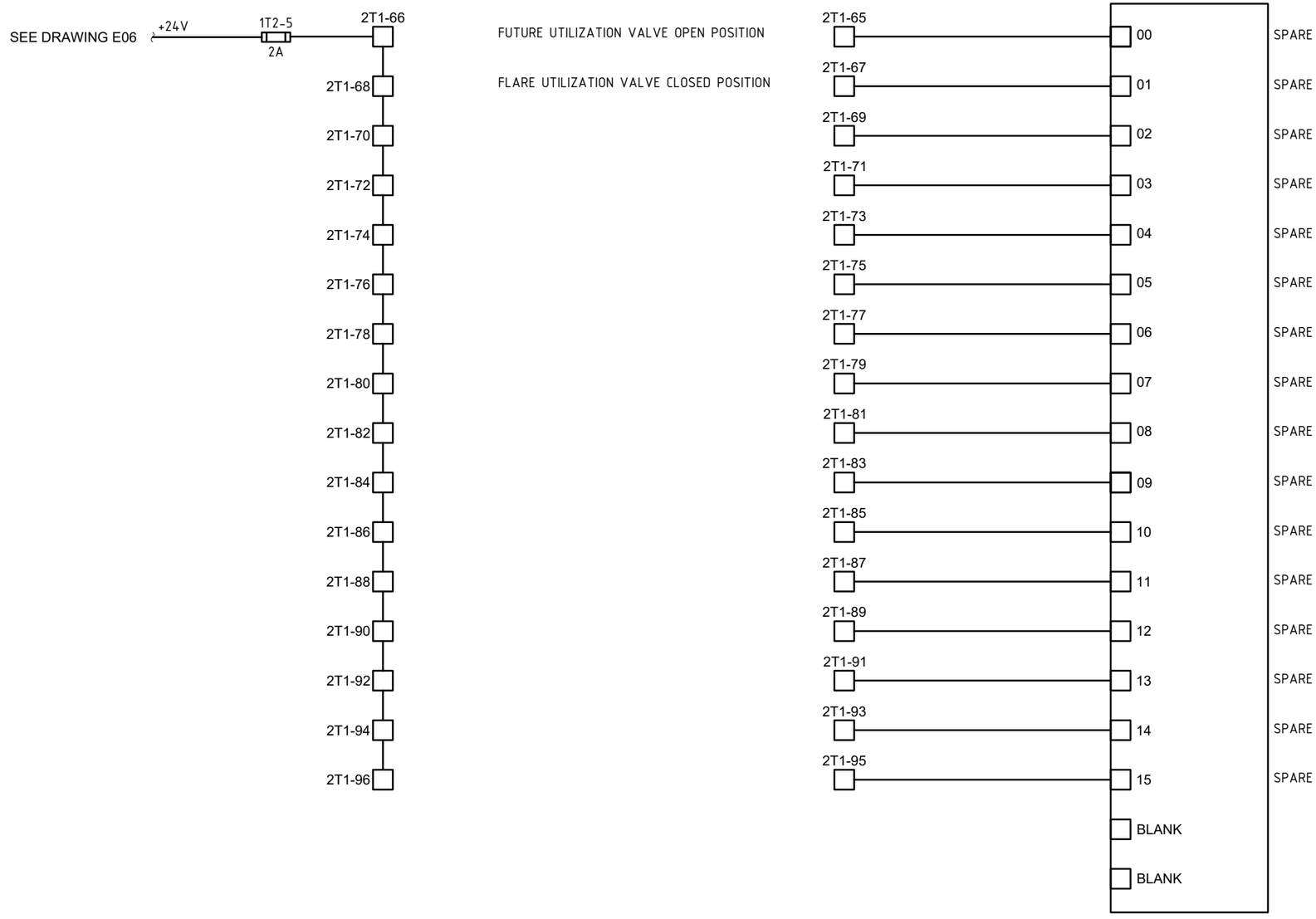
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REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

DISCRETE INPUT MODULE #2
WIRING DETAILS

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E08**
DATE: February 8, 2023	SHEET No. 8 of 20	DWN AY	APP EB	STATUS IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nanaimo Flare Upgrade\06 Drawings\PLC Wiring Details.dwg [E08] October 25, 2023 - 4:33:14 pm (BY: ERIC BUDD)



NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 ALL RELAY WIRING TO BE #14AWG.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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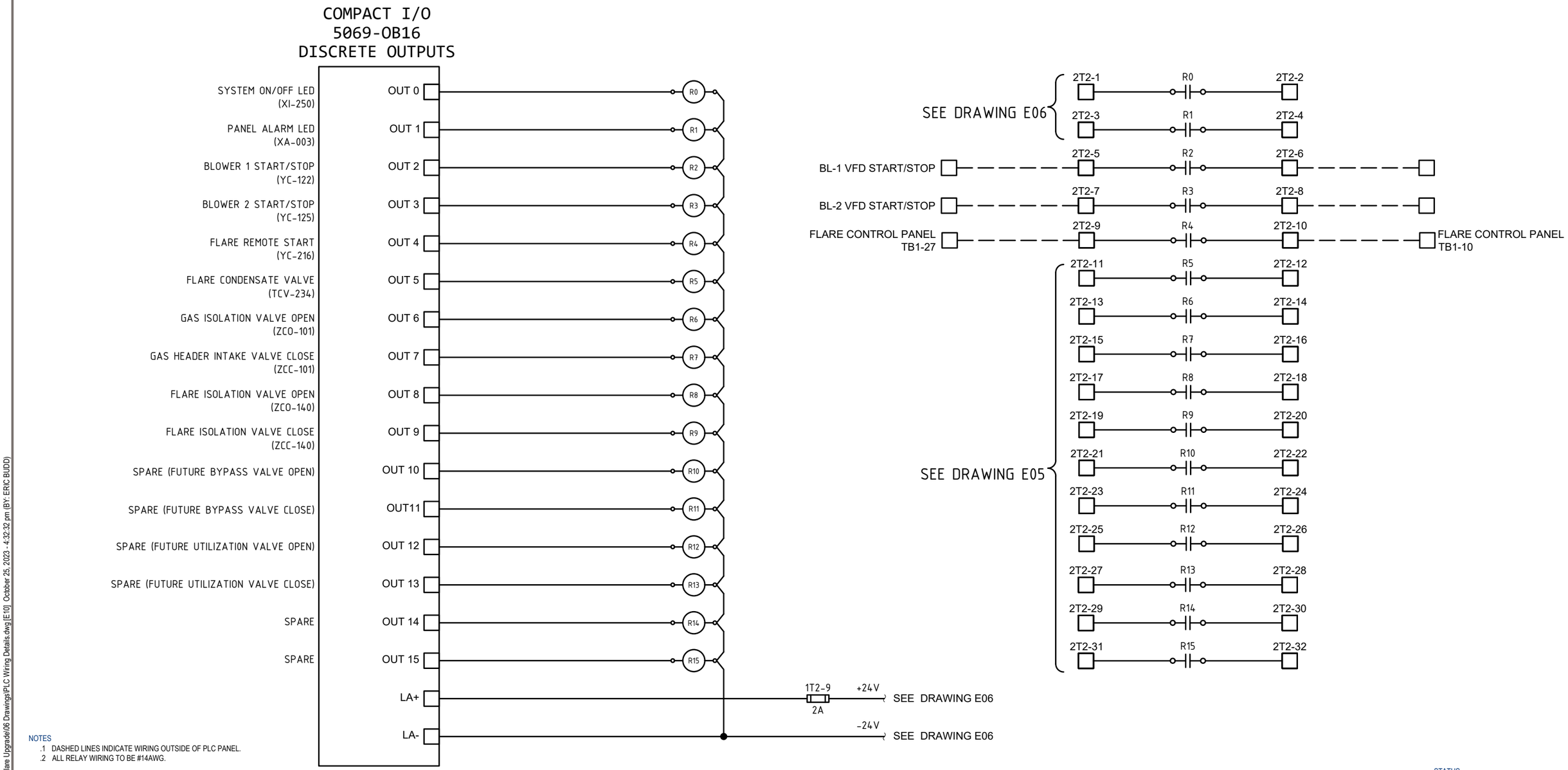
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REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

DISCRETE INPUT MODULE #3
WIRING DETAILS

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E09**
DATE: February 8, 2023	SHEET No. 9 of 20	DWN AY	APP EB	STATUS IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nanaimo Flare Upgrade\06 Drawings\PLC Wiring Details.dwg [E09] October 25, 2023 - 4:33:17 pm (BY: ERIC BUDD)



NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 ALL RELAY WIRING TO BE #14AWG.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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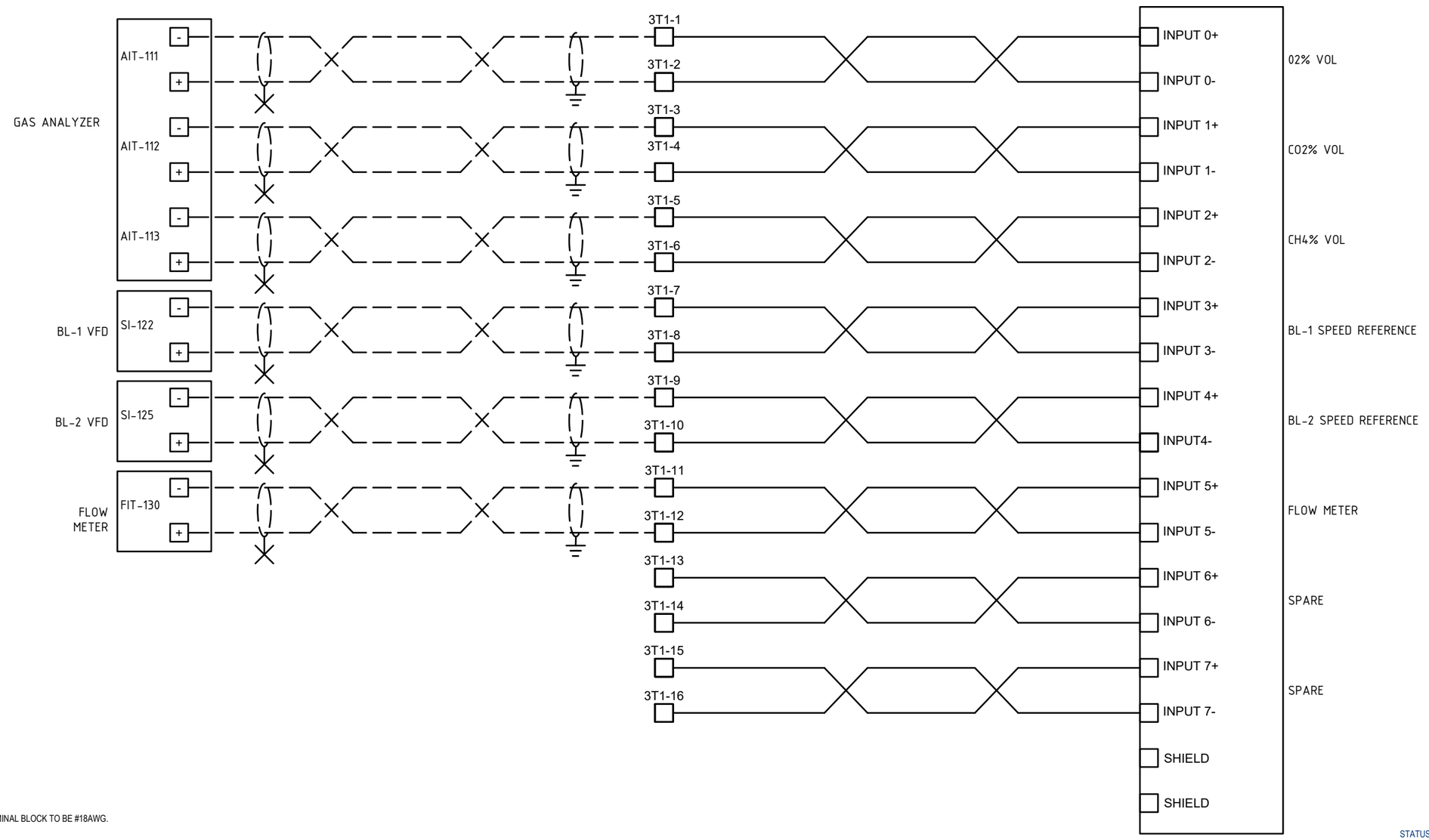
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REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
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DISCRETE OUTPUT MODULE #1
WIRING DETAILS

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E10**
DATE:	SHEET No.	DWN	APP	STATUS	
February 8, 2023	10 of 20	AY	EB	IFT	

D:\9_ACTIVE PROJECTS 2023-2024\1505-R12 Regional District of Nanaimo Flare Upgrade\06 Drawings\PLC Wiring Details.dwg [E10] October 25, 2023 - 4:32:32 pm (BY: ERIC BUDD)



NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 PLC WIRING BETWEEN ANALOG INPUT MODULE AND TERMINAL BLOCK TO BE #18AWG.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
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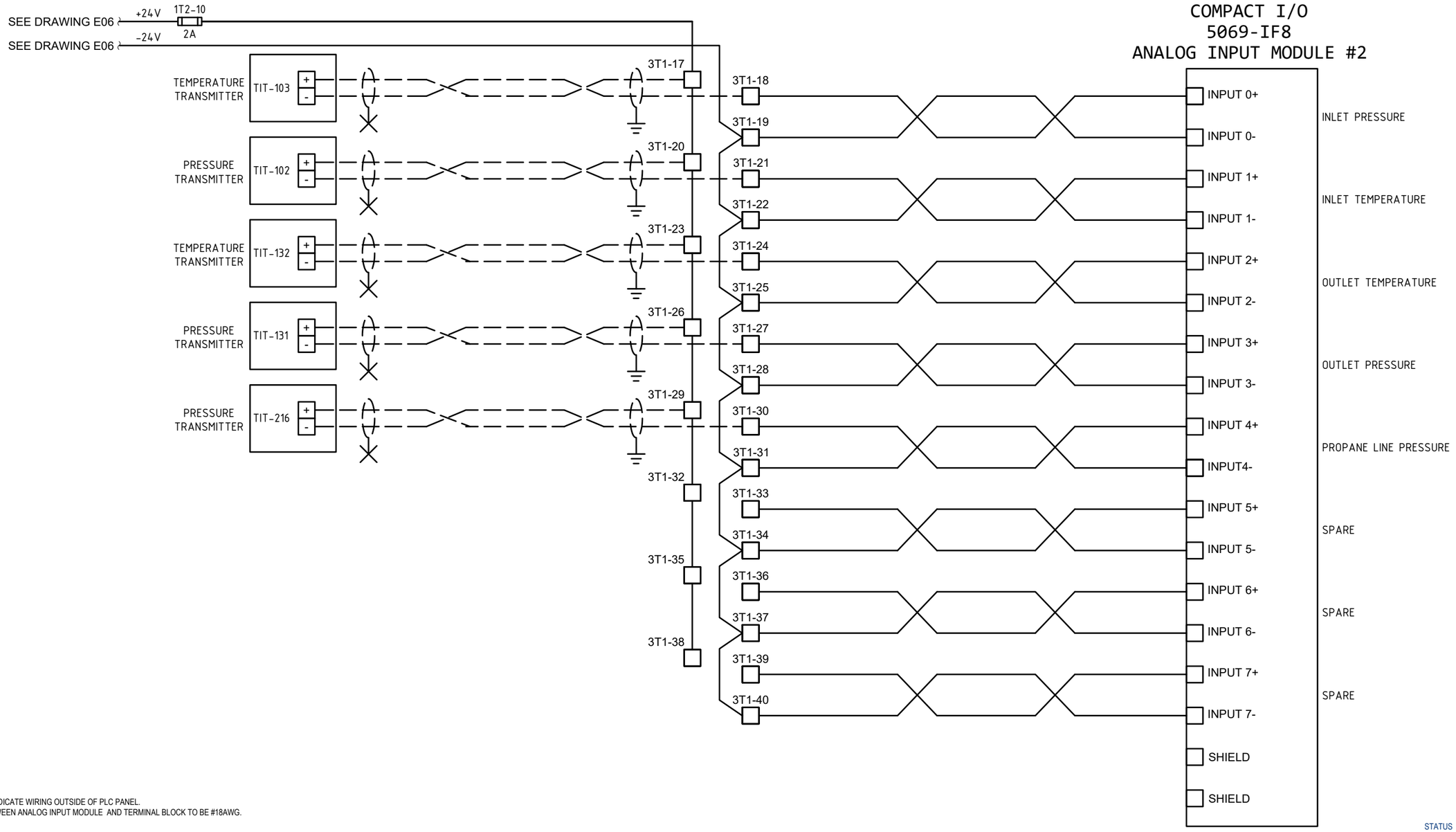
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REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

ANALOG INPUT MODULE #1
WIRING DETAILS

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E11**
DATE: February 8, 2023	SHEET No. 11 of 20	DWN AY	APP EB	STATUS IFT	

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nainaimo Flare Upgrade\06 Drawings\PLC Wiring Details.dwg [E11] October 25, 2023 - 4:33:08 pm (BY: ERIC BUDD)



NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 PLC WIRING BETWEEN ANALOG INPUT MODULE AND TERMINAL BLOCK TO BE #18AWG.

STATUS
ISSUED FOR REVIEW

D:\9_ACTIVE PROJECTS 2023-2024\T505-R12 Regional District of Nanaimo Flare Upgrade\06 Drawings\PLC Wiring Details.dwg [E12] October 25, 2023 - 4:33:11 pm (BY: ERIC BUDD)

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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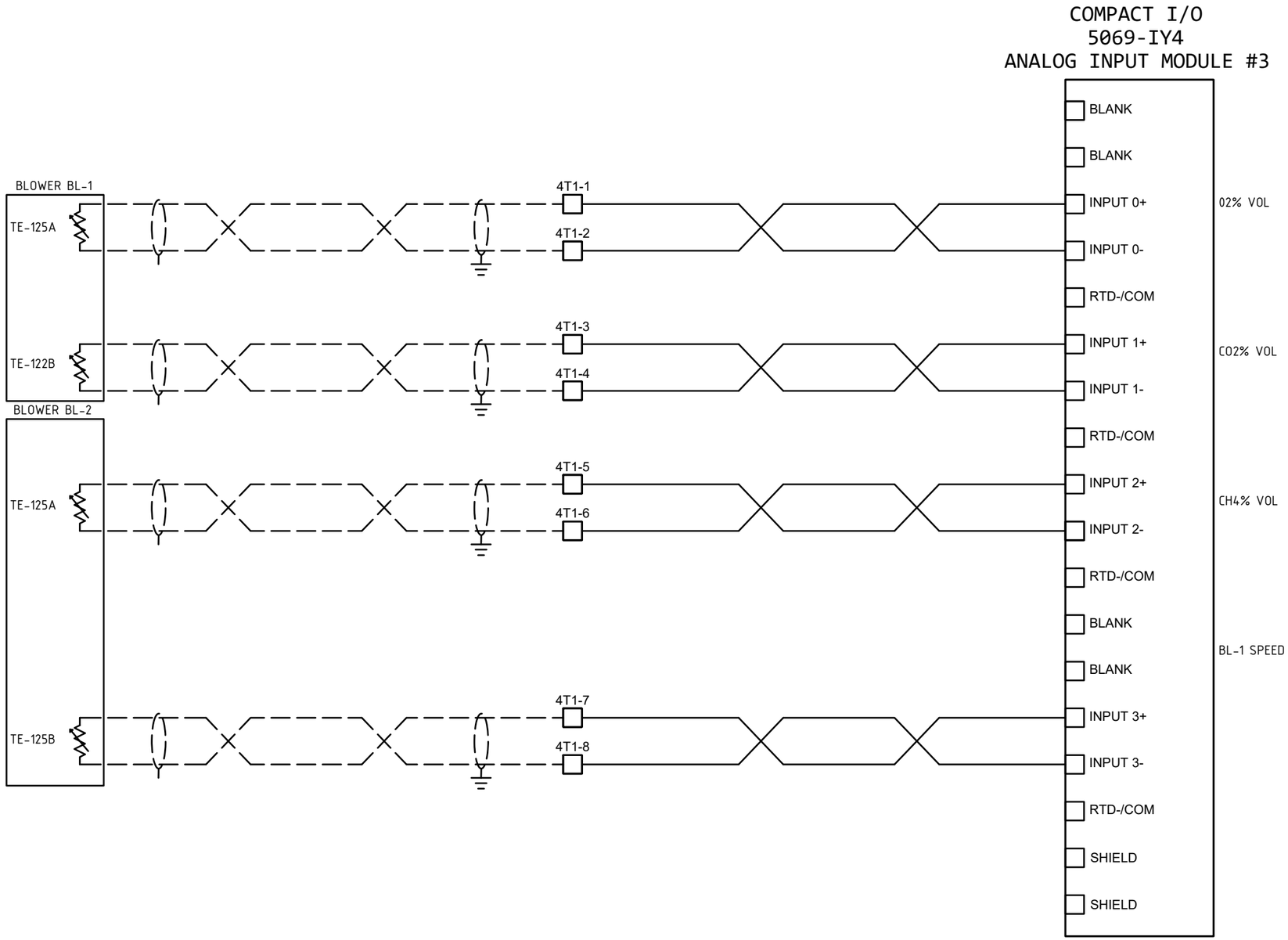
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REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

ANALOG INPUT MODULE #2
WIRING DETAILS

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E12**
DATE: February 8, 2023	SHEET No. 12 of 20	DWN AY	APP EB	STATUS IFT	



NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 PLC WIRING BETWEEN ANALOG INPUT MODULE AND TERMINAL BLOCK TO BE #18AWG.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

ISSUED FOR TENDER
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Last Saved: October 25, 2023

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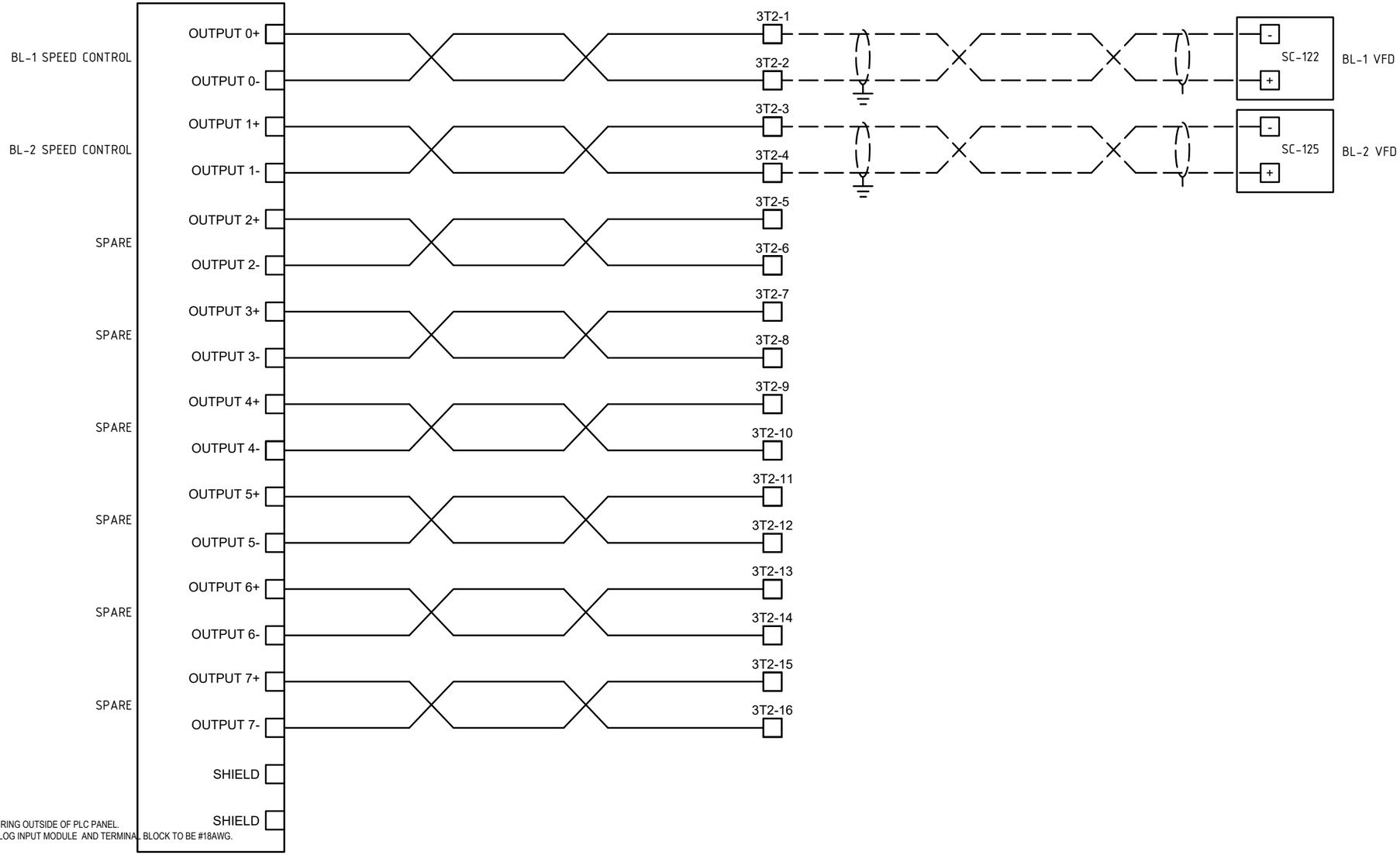
REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

ANALOG INPUT MODULE #3
WIRING DETAILS

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	E13
DATE:	SHEET No.	DWN	APP	STATUS	
February 8, 2023	13 of 20	AY	EB	IFT	

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COMPACT I/O
5069-OF8
ANALOG OUTPUT MODULE #1



NOTES
.1 DASHED LINES INDICATE WIRING OUTSIDE OF PLC PANEL.
.2 PLC WIRING BETWEEN ANALOG INPUT MODULE AND TERMINAL BLOCK TO BE #18AWG.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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ANALOG OUTPUT MODULE #1
WIRING DETAILS

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	E14
DATE: February 8, 2023	SHEET No. 14 of 20	DWN AY	APP EB	STATUS IFT	

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NOTES
.1 USE SUITABLE ARMOURED CABLE TO FEED ALL DEVICES IN HAZARDOUS LOCATIONS.
.2 REUSE EXISTING PLC PANEL BREAKER IN 120/208V PANEL TO REFEED NEW PLC PANEL.

HAZARDOUS LOCATION | NON HAZARDOUS LOCATION | NON HAZARDOUS LOCATION | HAZARDOUS LOCATION

120/208V DISTRIBUTION PANEL — 2c#10+GND

GAS ANALYZER: AIT 111, AIT 112, AIT 113, YA 113, YA 115, YA 116, YA 118 — 3PR #18 TWISTED SHIELDED; 10c#14+GND

BLOWER 2 VFD: SI 125, SC 125, YI 125, YC 125, YA 125 — 2PR #18 TWISTED SHIELDED; 6c#14

BLOWER 1 VFD: SI 122, SC 122, YI 122, YC 122, YA 122 — 2PR #18 TWISTED SHIELDED; 6c#14

TCV 234 — 2c#14

PLC PANEL

BLOWER B-1: TSH 122, TE 122B, TE 122A — 2c#14; 2PR #18 TWISTED SHIELDED

BLOWER BL-2: TSH 125, TE 125B, TE 125A — 2c#14; 2PR #18 TWISTED SHIELDED

CONDENSATE PIT: LSHH 100, LSH 100, LSL 100 — 6c#14

LSH 106 — 2c#14

PIT 102 — 1PR #18 TWISTED SHIELDED

TIT 103 — 1PR #18 TWISTED SHIELDED

PIT 216 — 1PR #18 TWISTED SHIELDED

PIT 131 — 1PR #18 TWISTED SHIELDED

FIT 130 — 2c#14; 1PR #18 TWISTED SHIELDED

TIT 132 — 1PR #18 TWISTED SHIELDED

GAS ISOLATION VALVE: ZCO 101, ZCC 101, XV 101, ZSO 101, ZSC 101 — 4c#14+GND (120V); 4c#14 (24V)

FLARE ISOLATION VALVE: ZCO 140, ZCC 140, XV 140, ZSO 140, ZSC 140 — 4c#14+GND (120V); 4c#14 (24V)

FLARE: TE 201, TE 202, TE 203, TE 204 — 4 x TYPE K THERMOCOUPLE WIRE

FLARE CONTROL PANEL: YC 210, YC 211, YC 212, YC 213, YC 214, YA 215 — 12c#14+GND

VALVE AND REGULATOR PANEL: SV 304, SV 303, BZ 210 — 6c#14+GND

SV 304 — 2C#14

SV 303 — 2C#14

BZ 210 — 2C#14

NOTES
.1

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			REVISIONS
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NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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OCT 23 2023
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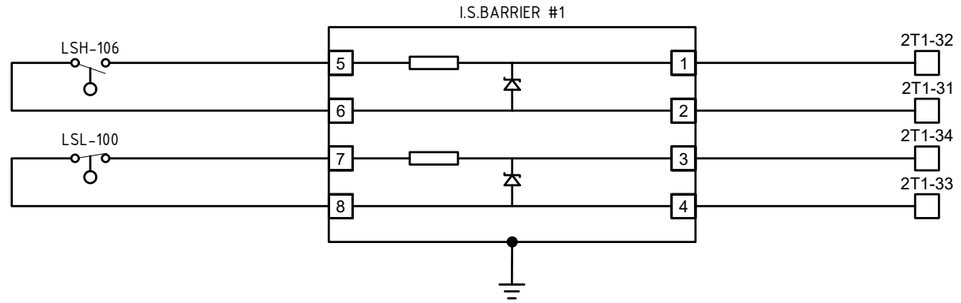
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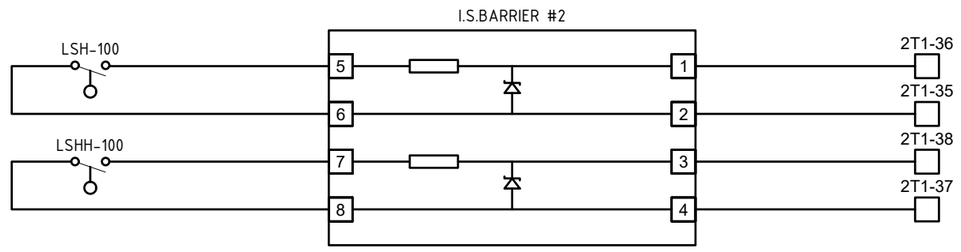
REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

INSTRUMENTATION BLOCK DIAGRAM

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	E15
DATE: February 8, 2023	SHEET No. 15 of 20	DWN AY	APP EB	STATUS IFT	

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NOTES
.1 SCHEMATIC BASED ON CROUSE-HINDS 7789+ BARRIER. ADJUST WIRING FOR DEVICES FROM OTHER MANUFACTURERS.

STATUS
ISSUED FOR REVIEW

NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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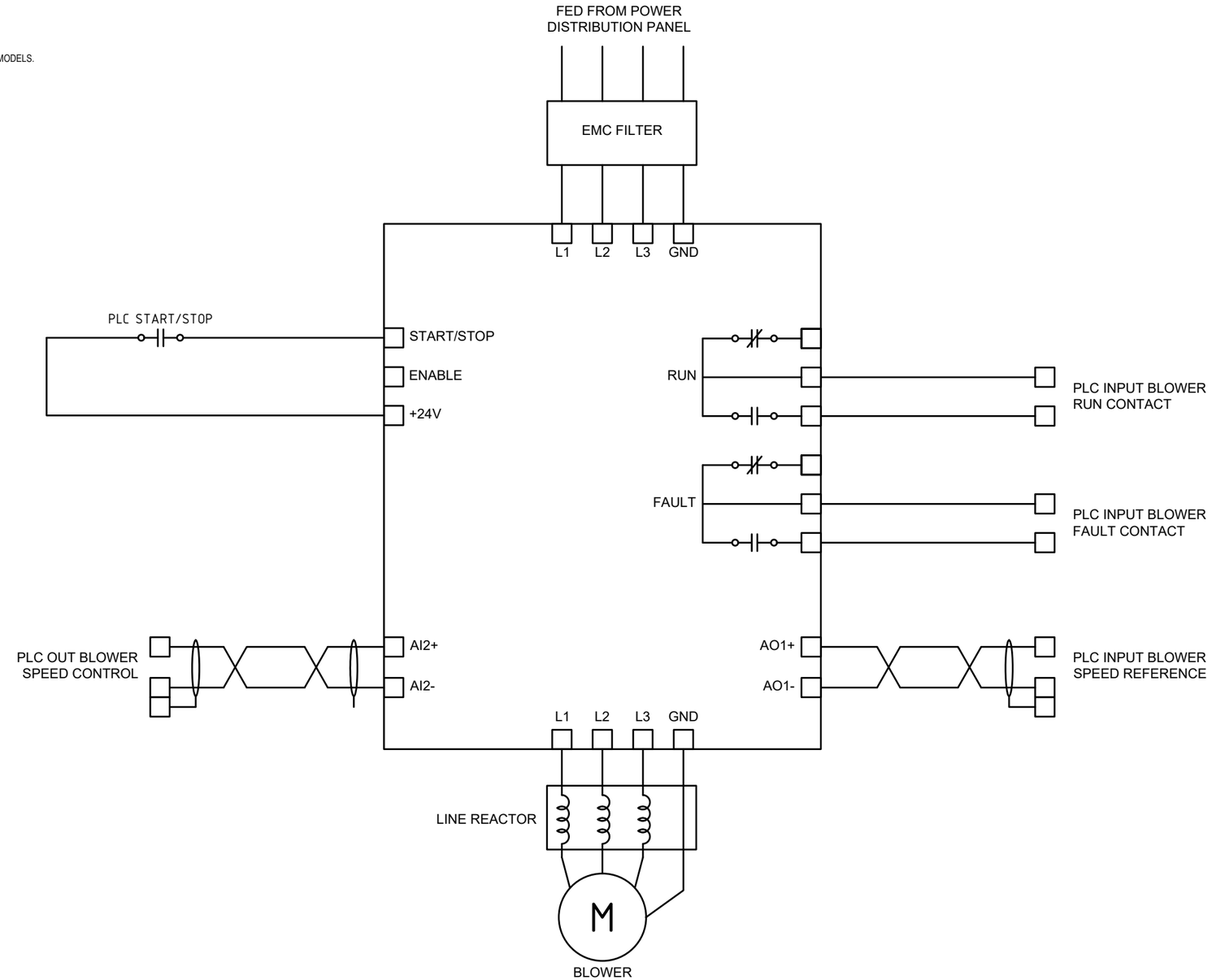
REGIONAL DISTRICT OF NANAIMO FLARE UPGRADE
NANAIMO, BC

INTRINSIC BARRIERS
WIRING DETAILS

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E16**
DATE:	SHEET No.	DWN	APP	STATUS	
February 8, 2023	16 of 20	AY	EB	IFT	

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NOTES
.1 WIRING BASED ON SCHNEIDER ALTIVAR 930. ADJUST WIRING FOR ALTERNATE VFD MODELS.



STATUS
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NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
B	OCT 05/23	EB	ISSUED FOR 99% REVIEW
A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
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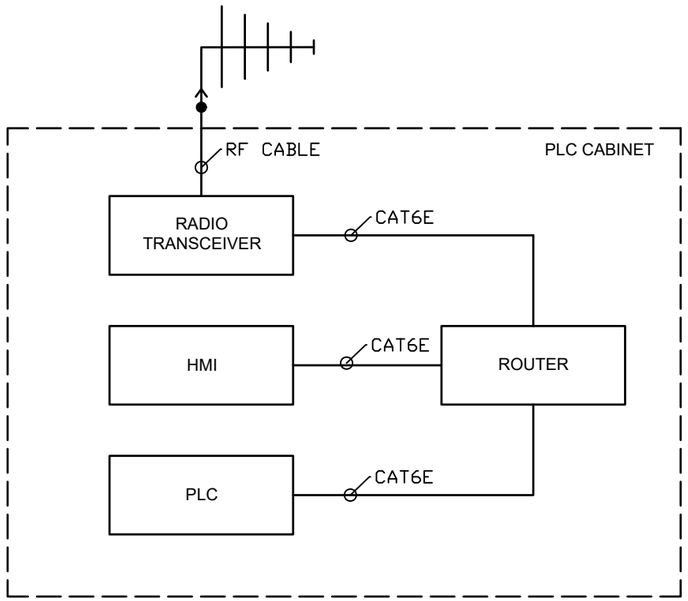
BLOWER VFD
TYPICAL WIRING DIAGRAM

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	E17
DATE: February 8, 2023	SHEET No. 17 of 20	DWN AY	APP EB	STATUS IFT	

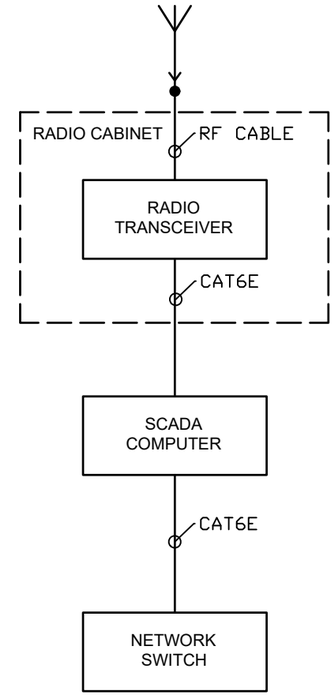
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NOTES
.1 ALL DEVICES AND WIRING, EXCEPT SITE OFFICE NETWORK SWITCH, TO BE PROVIDED BY CONTRACTOR.

LFG PLANT



SITE OFFICE



STATUS
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NUM	DATE	APR	DESCRIPTION
			REVISIONS
C	OCT 23/23	EB	ISSUED FOR TENDER
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A	FEB 08/23	EB	ISSUED FOR 95% REVIEW
NUM	DATE	APR	DESCRIPTION
			DRAWING STATUS

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OCT 23 2023
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NANAIMO, BC

COMMUNICATION BLOCK DIAGRAM

PROJECT No.	OFFICE	DES	CKD	REV	DRAWING
704-SWM.SWOP04043-01	EDM	AY	EB	C	**E18**
DATE: February 8, 2023	SHEET No. 18 of 20	DWN AY	APP EB	STATUS IFT	

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