طرح نگهداشت و افزایش تولید 27 مخزن

PLC WIRING DIAGRAM & TERMINAL DETAILS

نگهداشت و افزایش تولید میدان نفتی بینک

V00	Feb. 2024	IFR	HAVAYAR.Co	M.Fakharian	S.Faramarzpour	
Rev.	**Date**	**Purpose of Issue/Status**	**Prepared by:**	**Checked by:**	**Approved by:**	**CLIENT Approval**

Status:

IFA: Issued for Approval
IFR: Issued for Review
IFI: Issued for Information
AFC: Approved for Construction

NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)	HIRGAN ENERGY HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	PLC WIRING DIAGRAM & TERMINAL DETAILS								شماره صفحه: 335 از 2
053 - 073 – 9184	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	
	BK	GCS	HY	120	IN	DG	0001	V00	

REVISION RECORD SHEET

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6	X		71	X	
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C-2101A

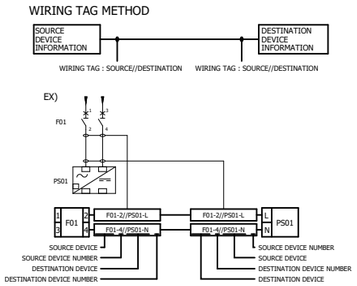
GENERAL NOTES

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V03					

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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HAVAYAR

KwangShin

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	3 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

LEGEND

ITEM	SYMBOL	DESCRIPTION
1		TERMINAL
2		MCB
3		Terminal Fuse With LED
4		EMG Stop Push Button
5		Selector Switch
6		Relays, contactors Coil
7		NO Contact
8		Door Micro Switch
9		Heater Thermostat
10		Fan Thermostat
11		Fluorescent
12		Heater
13		Outlet Socket
14	M 1~	POWER SUPLLY
15	4-20mA	Analog Input

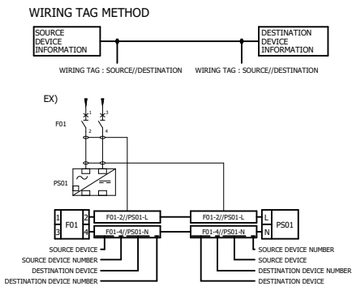
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

WIRE COLOR CODE

WIRING TYPE	WIRE	WIRE COLOR	LABEL WIRE COLORE	LABEL WIRE FONT COLORE	SIZE mm2	Material
110VAC UPS POWER	PHASE (LINE 1)	YELLOW	WHITE	BLACK	2.5	PVC
	NEUTRAL (LINE 2)	GRAY	WHITE	BLACK	2.5	PVC
230VAC NUPS POWER	PHASE (LINE 1)	BROWN	WHITE	BLACK	2.5	PVC
	NEUTRAL (LINE 2)	LIGHT BLUE	WHITE	BLACK	2.5	PVC
	EARTH	YELLOW-GREEN	WHITE	BLACK	2.5	PVC
24VDC	24VDC (MAIN)	RED	WHITE	BLACK	1.5	PVC
	0VDC (MAIN)	BLACK	WHITE	BLACK	1.5	PVC
	24VDC (DISTRIBUTION)	RED	WHITE	BLACK	0.75	PVC
	0VDC (DISTRIBUTION)	BLACK	WHITE	BLACK	0.75	PVC
SIGNAL WIRES	DIGITAL INPUT SIGNALS	IS BLUE	WHITE	BLACK	0.75	PVC
		NIS WHITE	WHITE	BLACK	0.75	PVC
	DIGITAL OUTPUT SIGNALS	IS BLUE	WHITE	BLACK	FROM CARD TO RELAY 0.75 / FROM RELAY TO TERMINAL 0.75	PVC
		NIS WHITE	WHITE	BLACK	FROM CARD TO RELAY 0.75 / FROM RELAY TO TERMINAL 0.75	PVC
	ANALUG INPUT SIGNALS	IS BLUE	WHITE	BLACK	0.75	PVC
		NIS WHITE	WHITE	BLACK	0.75	PVC
EARTH	ELECTRICAL EARTH (PE) (SAFETY EARTH)	YELLOW-GREEN	WHITE	BLACK	2.5	PVC
	INSTRUMENT EARTH (IPE)	GREEN WITH RED OR WIGHT ID RING	WHITE	BLACK	2.5	PVC

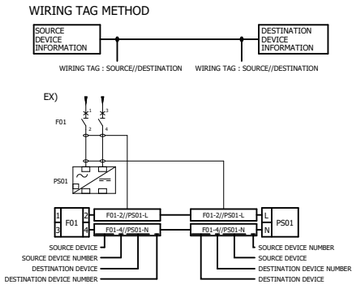
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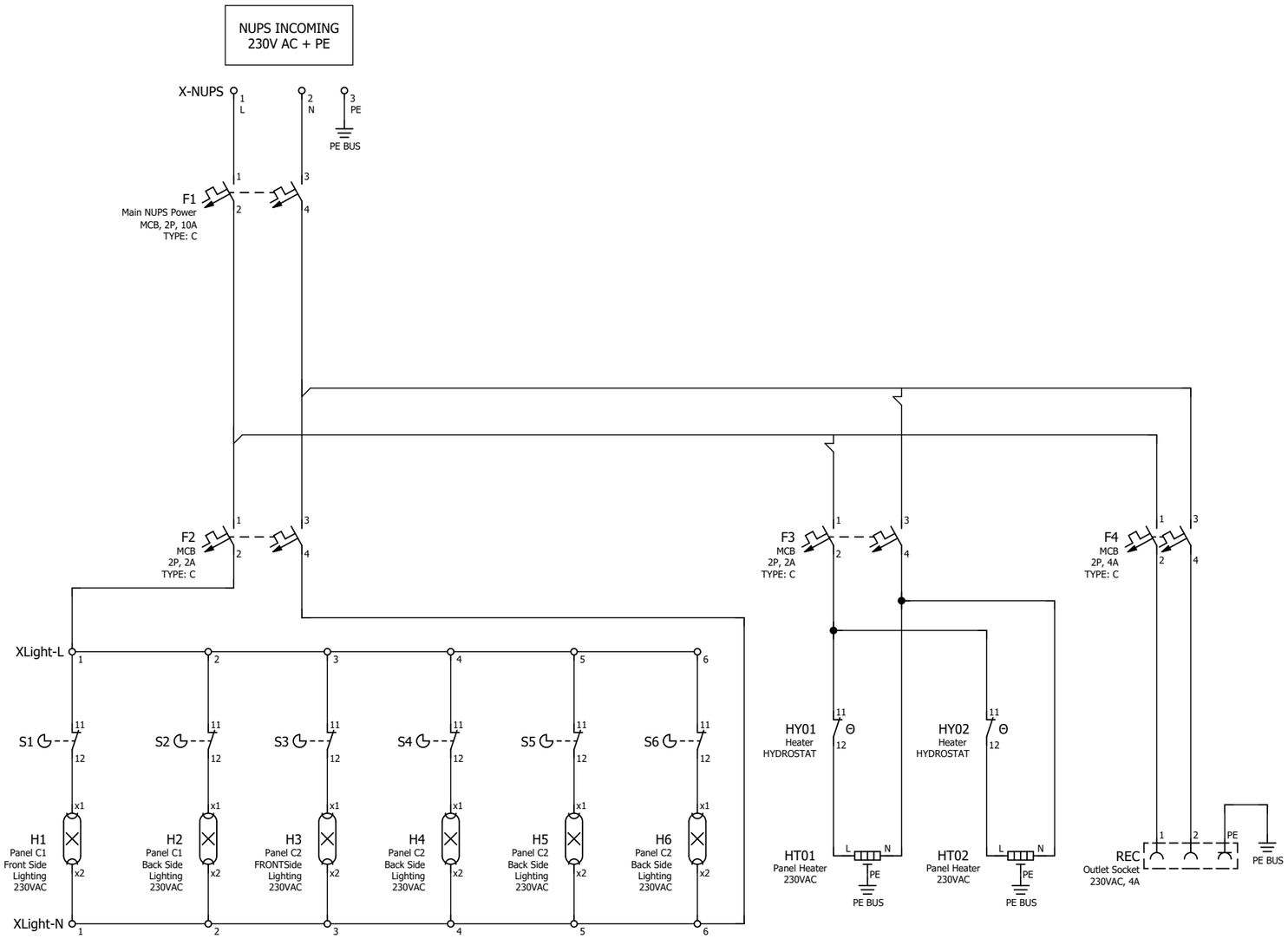
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KwangShin

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SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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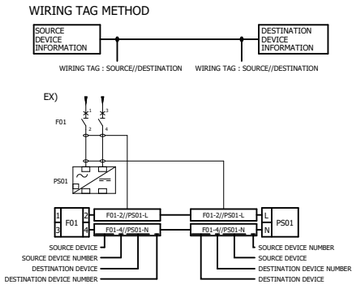
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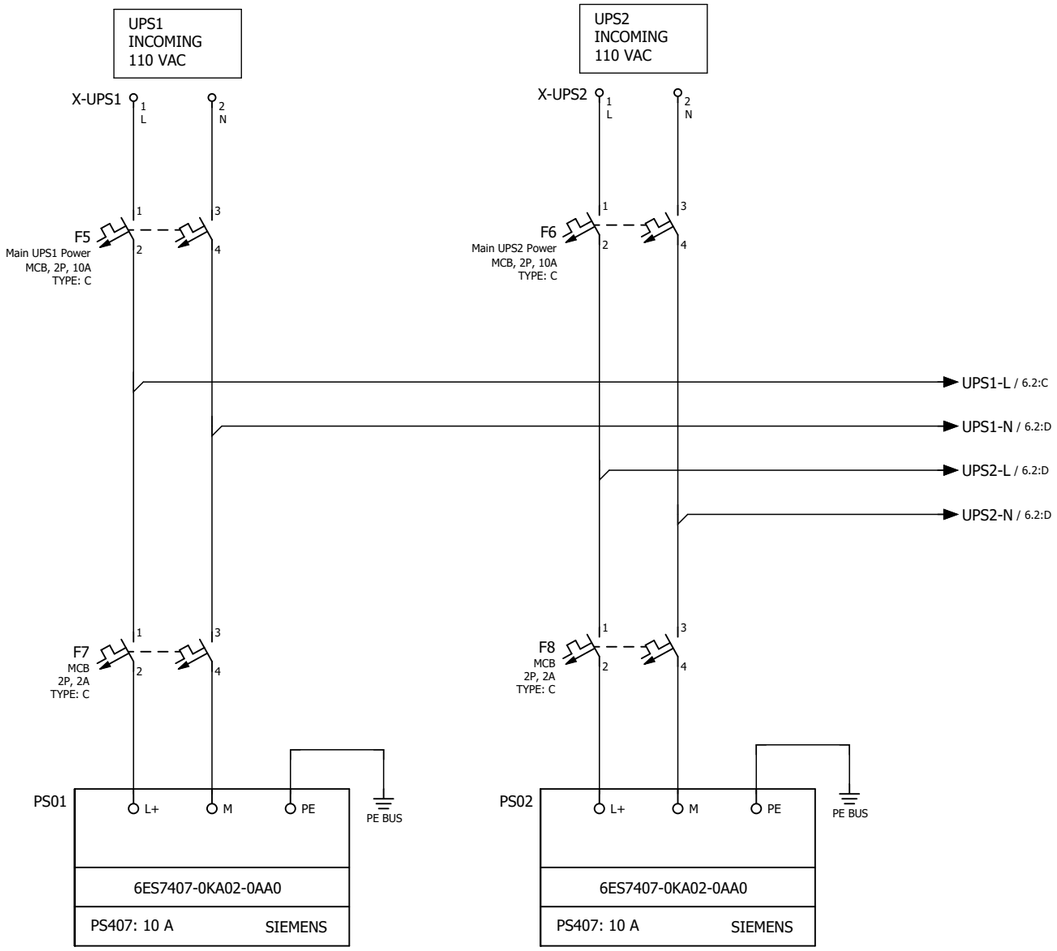
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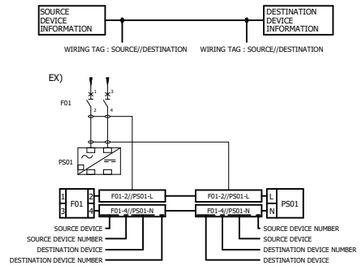
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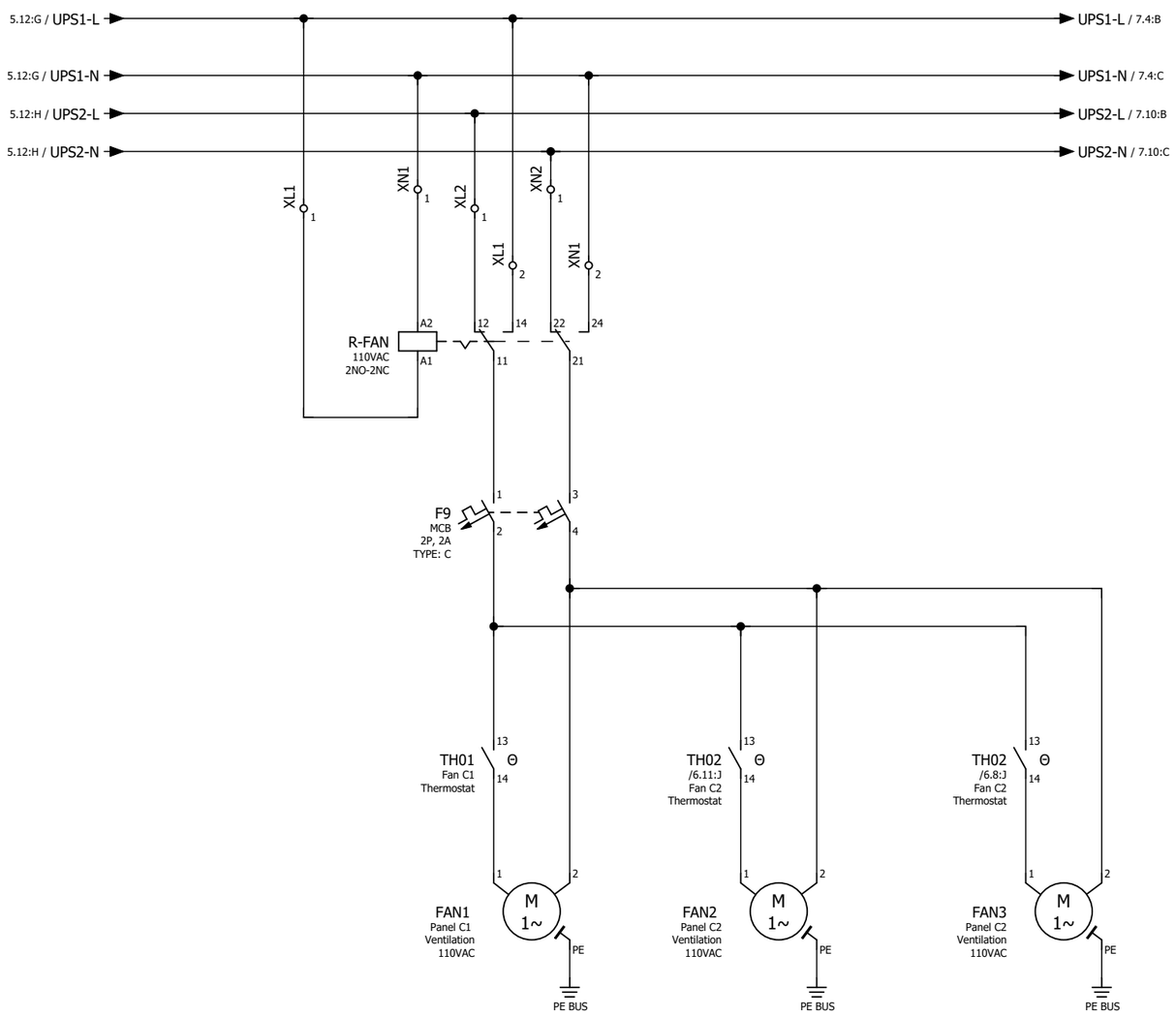
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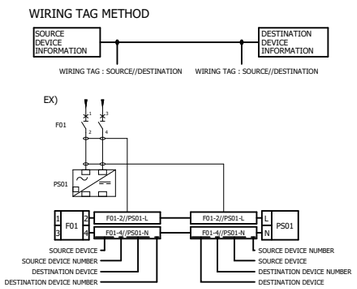
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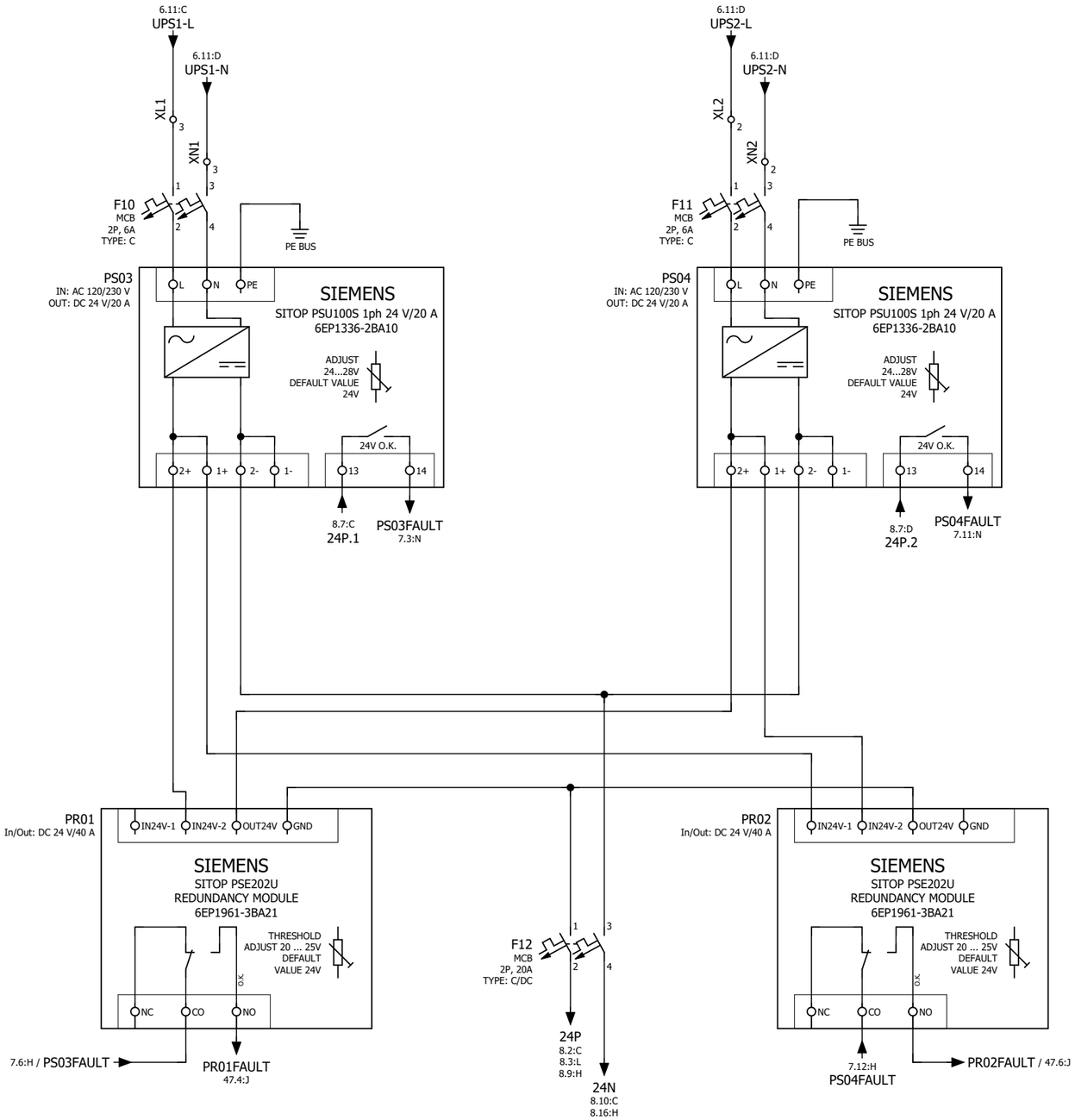
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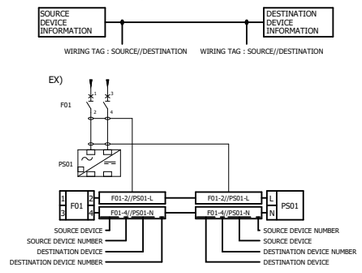
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Rev.	DESCRIPTION	BY	DATE	BY	DATE
V00	*******	*******	*******	*******	*******
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	*******

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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HAVAYAR

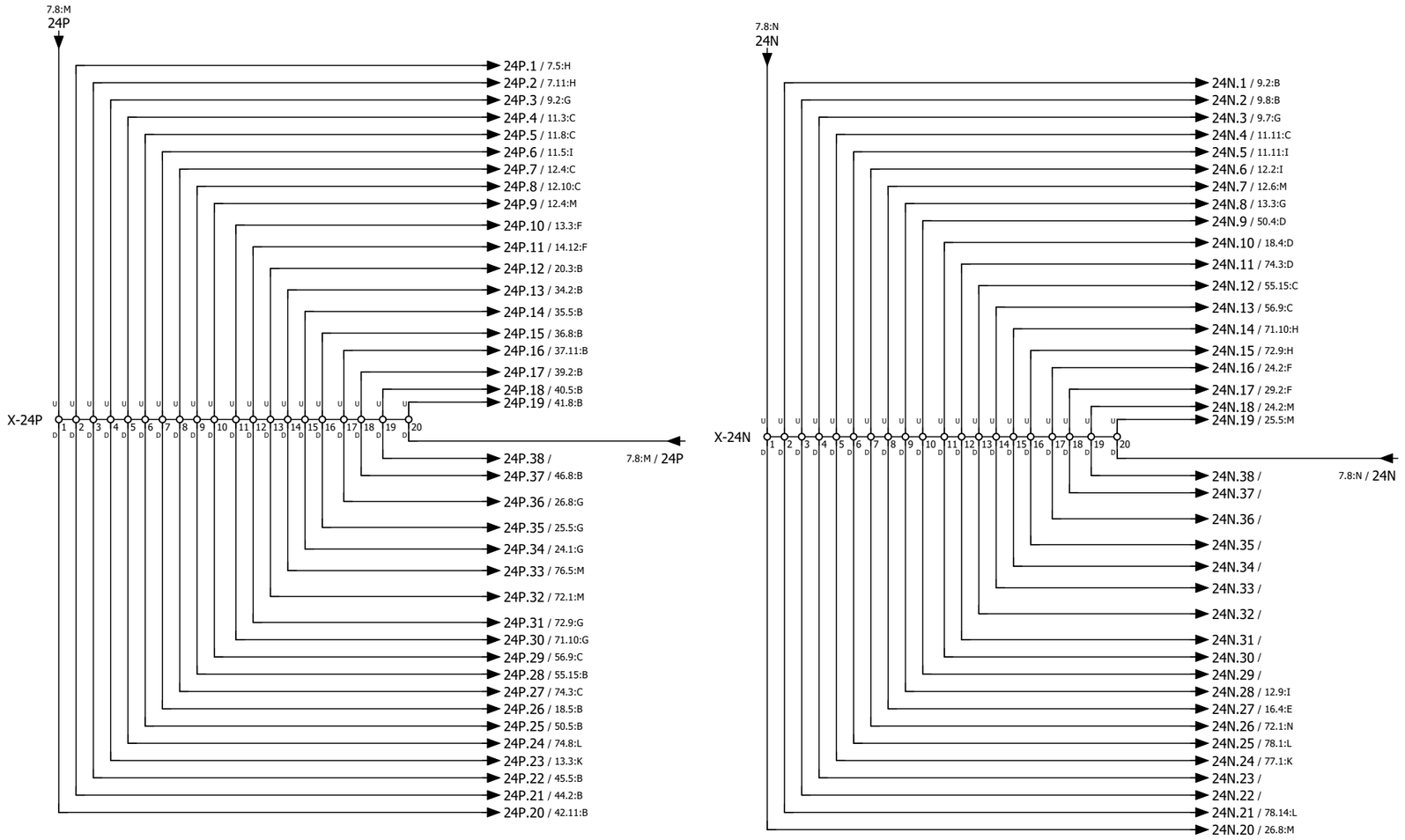
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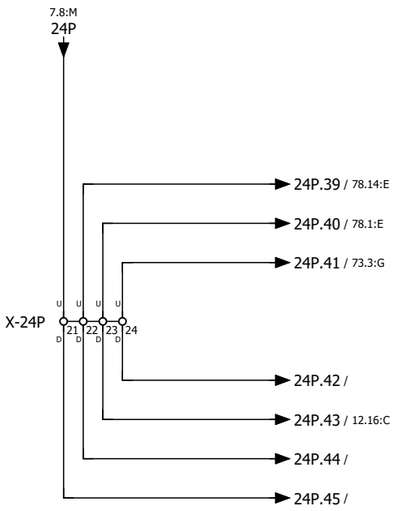
DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	9 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





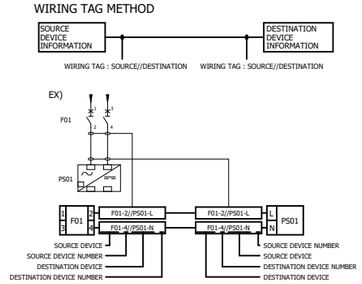
GENERAL NOTES

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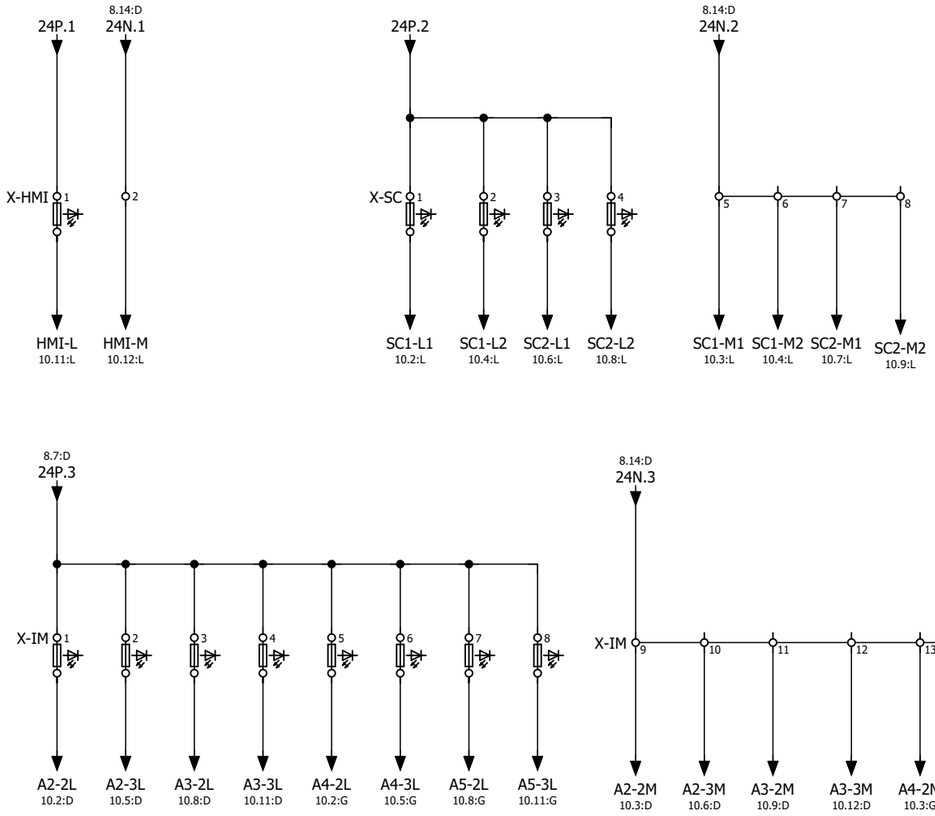
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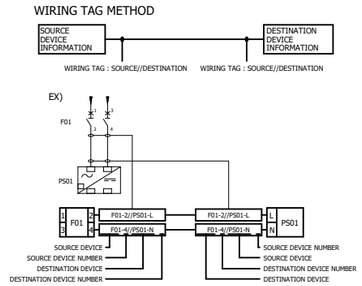
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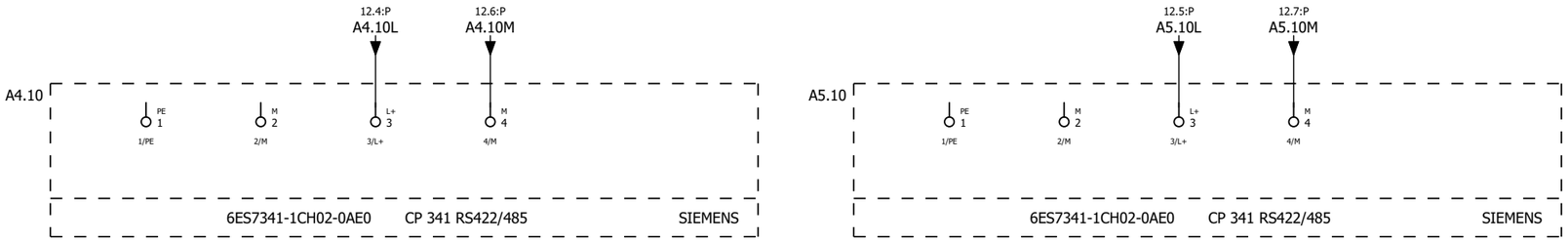
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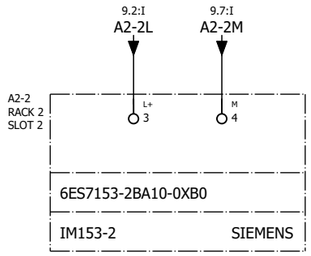
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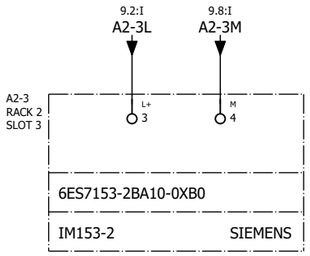
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

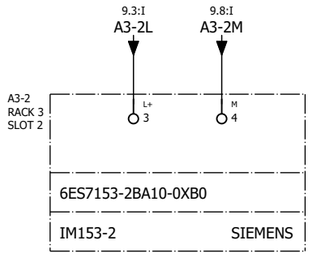
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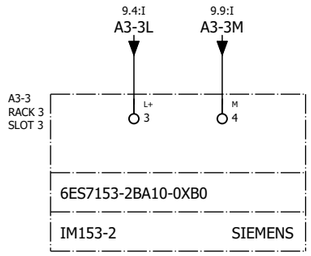
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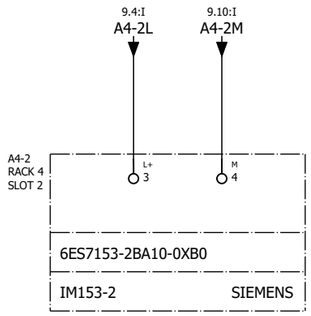


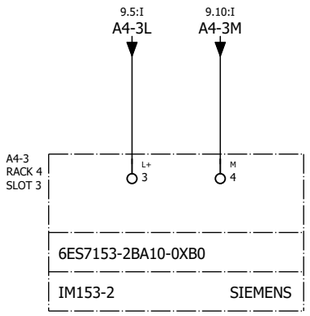


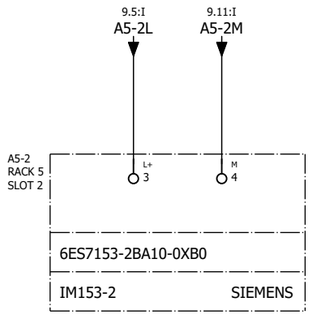


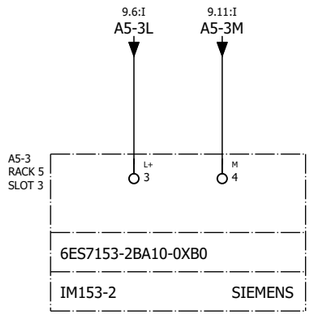


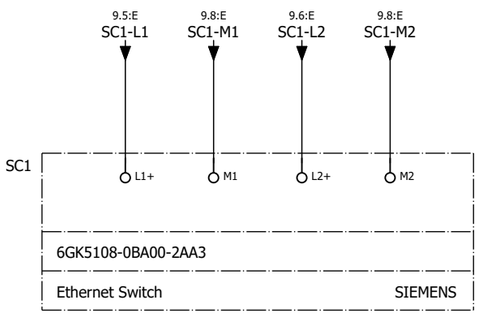


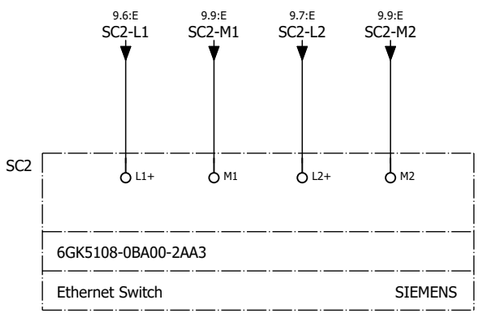


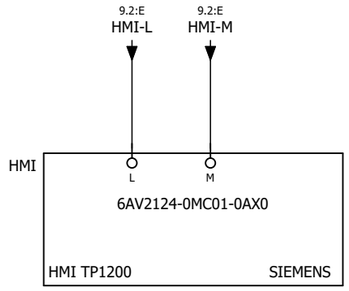












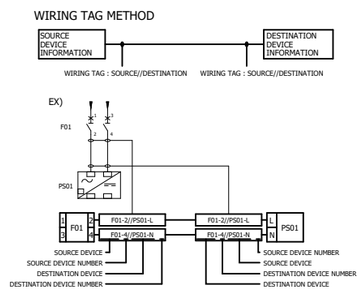
GENERAL NOTES

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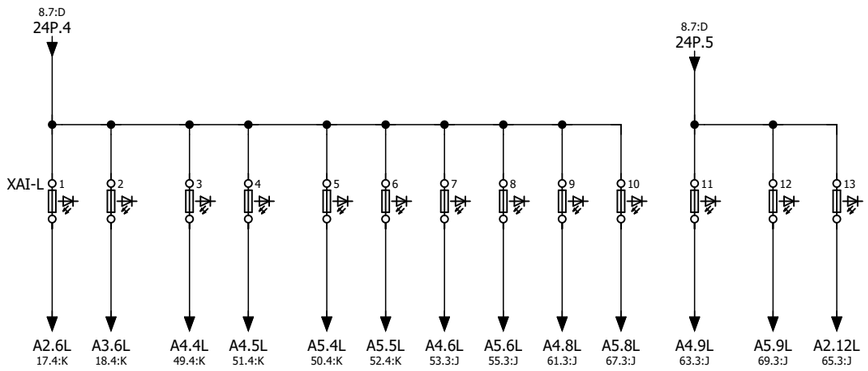
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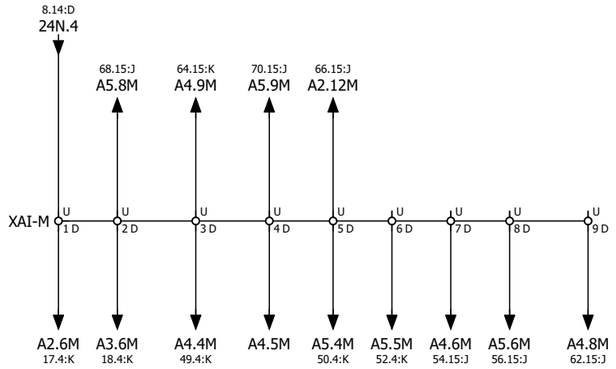
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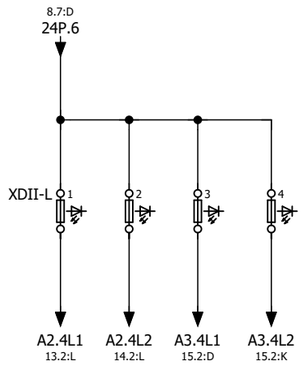
DRAWING TITLE:
PLC WIRING DIAGRAM & TERMINAL DETAILS

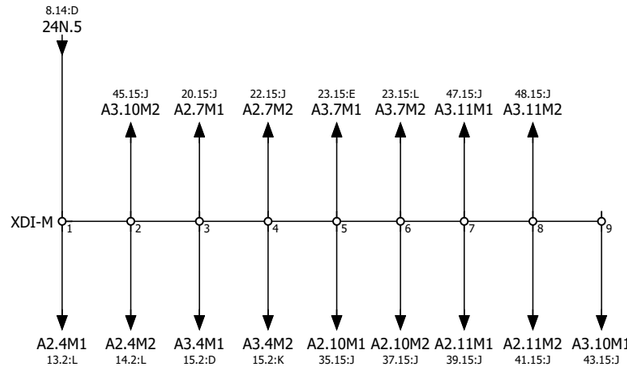
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	12 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION









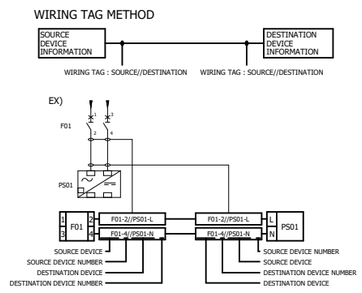
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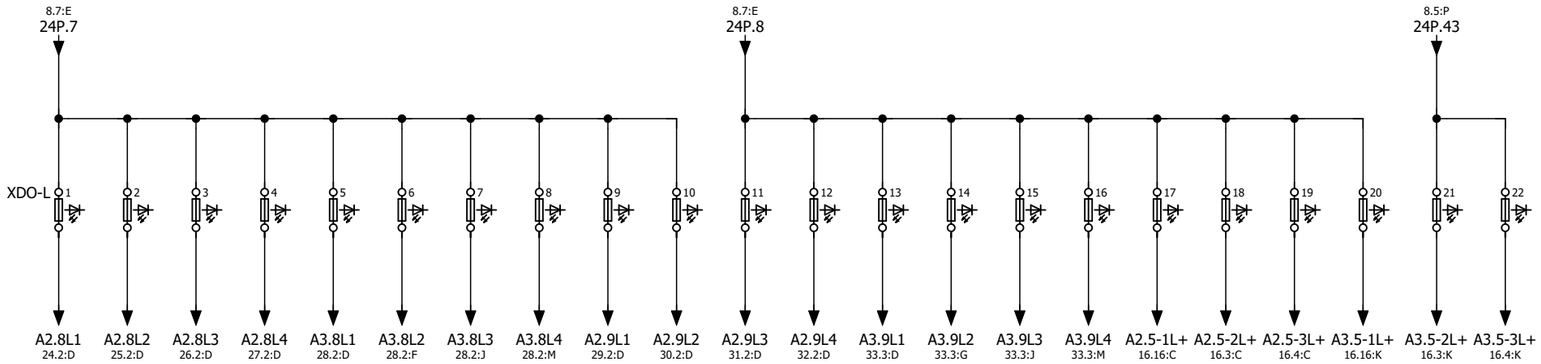
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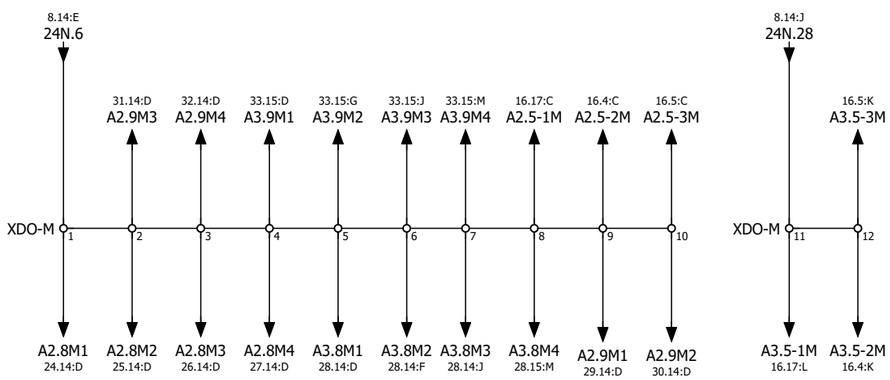
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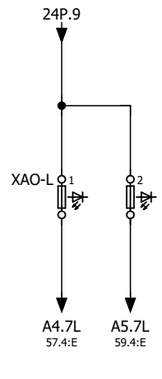
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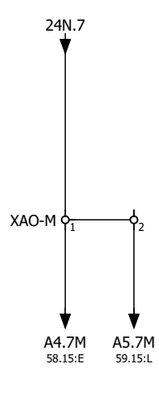
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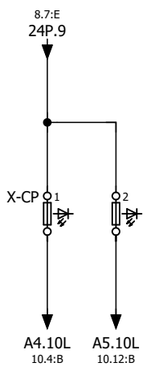
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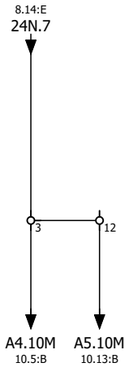












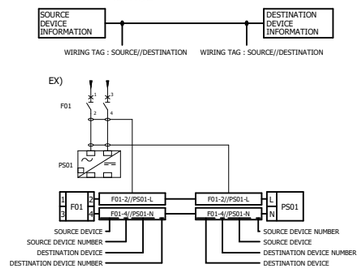
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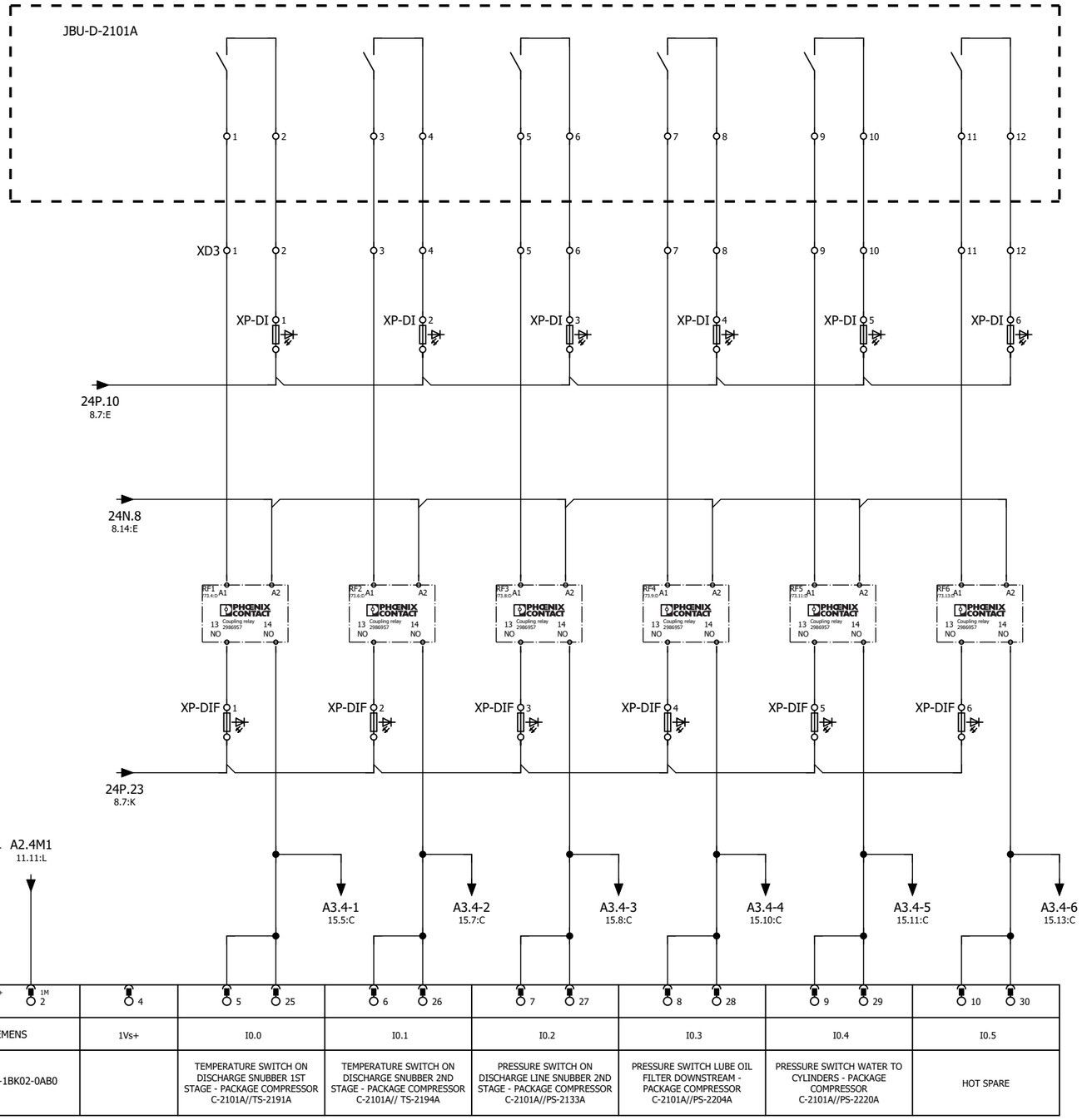
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SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	14 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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SIEMENS	1Vs+	I0.0	I0.1	I0.2	I0.3	I0.4	I0.5
6ES7326-1BK02-0AB0		TEMPERATURE SWITCH ON DISCHARGE SNUBBER 1ST STAGE - PACKAGE COMPRESSOR C-2101A//TS-2191A	TEMPERATURE SWITCH ON DISCHARGE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101A// TS-2194A	PRESSURE SWITCH ON DISCHARGE LINE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101A//PS-2133A	PRESSURE SWITCH LUBE OIL FILTER DOWNSTREAM - PACKAGE COMPRESSOR C-2101A//PS-2204A	PRESSURE SWITCH WATER TO CYLINDERS - PACKAGE COMPRESSOR C-2101A//PS-2220A	HOT SPARE

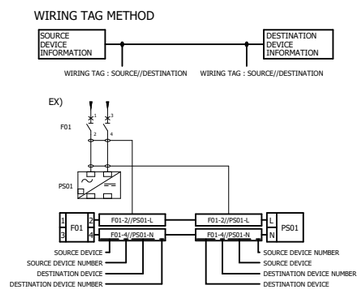
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KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V00	*******	*******	*******	*******	*******
V01					
V02					
V03					
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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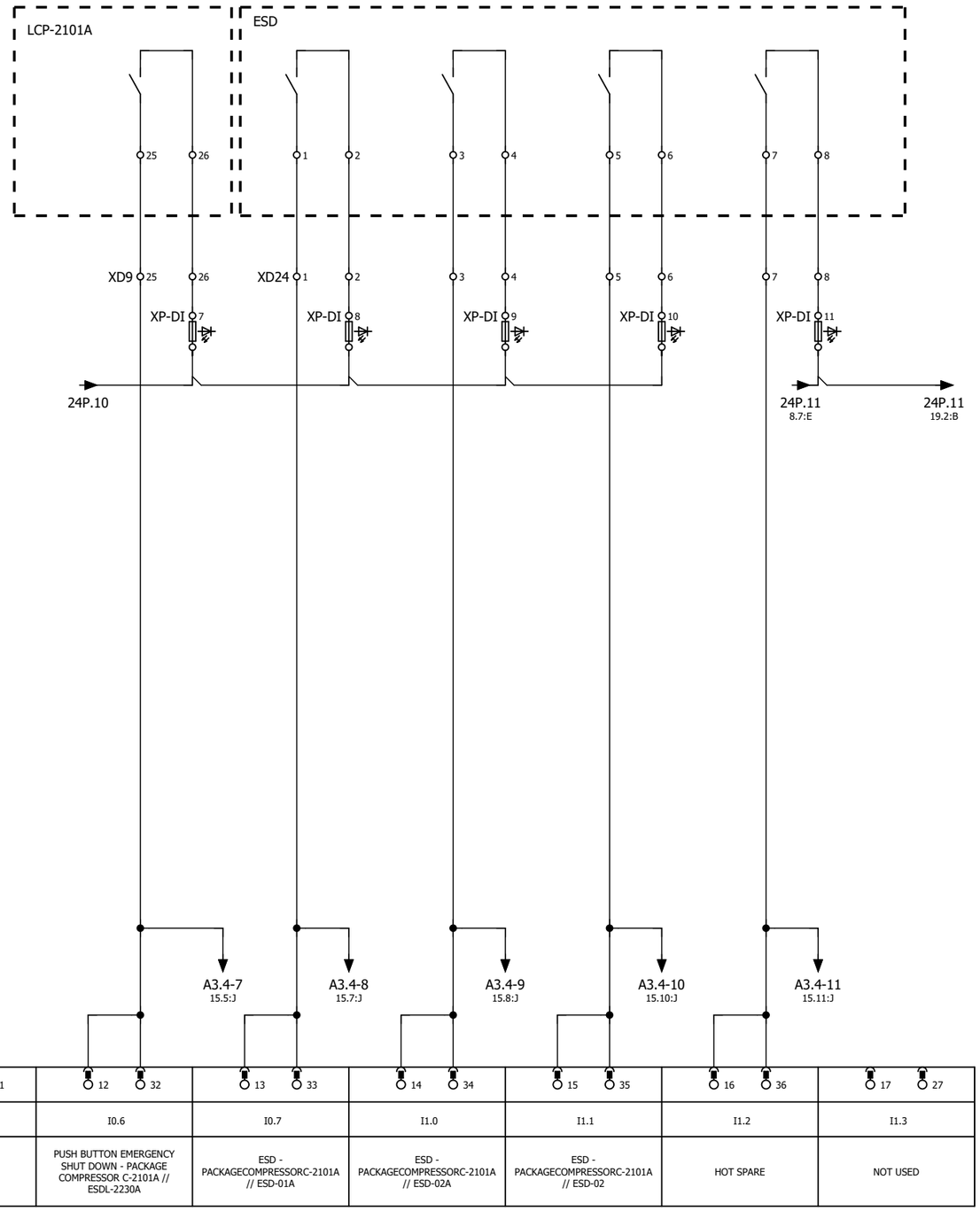
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

HAVAYAR

KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	15 OF 335	00



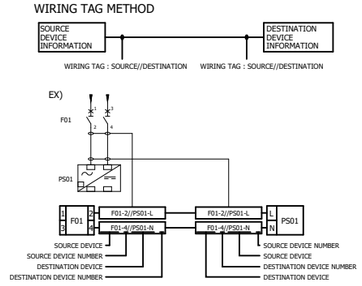
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V03					
V02					
V01					
V00	*******	*******	*******	*******	*******
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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SURFACE FACILITIES

GAS COMPRESSOR STATION

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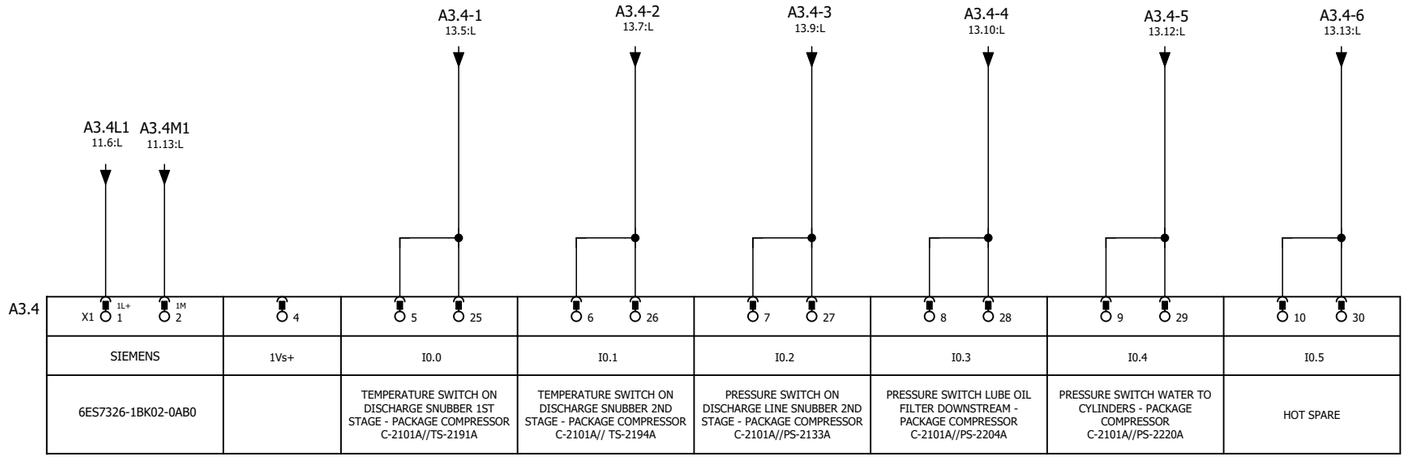
KwangShin Reciprocating Compressors

DRAWING TITLE:

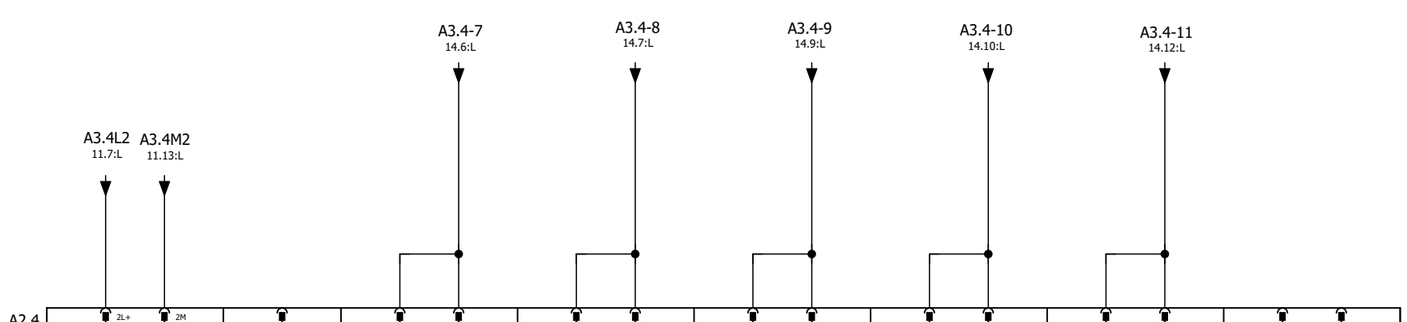
PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	16 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	1Vs+	I0.0	I0.1	I0.2	I0.3	I0.4	I0.5
6ES7326-1BK02-0AB0		TEMPERATURE SWITCH ON DISCHARGE SNUBBER 1ST STAGE - PACKAGE COMPRESSOR C-2101A//TS-2191A	TEMPERATURE SWITCH ON DISCHARGE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101A// TS-2194A	PRESSURE SWITCH ON DISCHARGE LINE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101A//PS-2133A	PRESSURE SWITCH LUBE OIL FILTER DOWNSTREAM - PACKAGE COMPRESSOR C-2101A//PS-2204A	PRESSURE SWITCH WATER TO CYLINDERS - PACKAGE COMPRESSOR C-2101A//PS-2220A	HOT SPARE



SIEMENS	2Vs+	I0.6	I0.7	I1.0	I1.1	I1.2	I1.3
6ES7326-1BK02-0AB0		PUSH BUTTON EMERGENCY SHUT DOWN - PACKAGE COMPRESSOR C-2101A // ESDL-2230A	ESD - PACKAGECOMPRESSORC-2101A // ESD-01A	ESD - PACKAGECOMPRESSORC-2101A // ESD-02A	ESD - PACKAGECOMPRESSORC-2101A // ESD-02	HOT SPARE	NOT USED

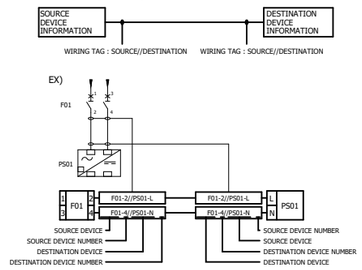
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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APPROVED FOR CONSTRUCTION BY: DATE:

HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	17 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A2.5

6ES7326-2BF10-0AB0	ESD - PACKAGECOMPRESSOR C-2101A // USD-05A	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
SIEMENS	Q8.0	Q8.1	Q8.2	Q8.3	Q8.4	Q8.5	Q8.6	Q8.7	Q9.0	Q9.1	
2L+ 17 / 3L+ 37 / 2M 19 / 3M 39	3	6	9	12	15	23	26	29	32	35	1L+ 21 / 1M 22

12.14:F A2.5-2L+ | 12.15:F A2.5-3L+ | 12.7:I A2.5-2M | 12.8:I A2.5-3M

-A3-5:3 16.6:L

-A3-5:6 16.7:L

12.14:F A2.5-1L+

12.7:I A2.5-1M

RF7/A1 / 78.18:G

24N.27 / 8.14:J

RF7 (73.4.3) A1 A2 — PHOENIX CONTACT Coupling relay 2986957 — 13 NO 14 NO

RF8 (73.6.3) A1 A2 — PHOENIX CONTACT Coupling relay 2986957 — 13 NO 14 NO

XD24 9 10 11 12

ESD

9 10 11 12

A3.5

6ES7326-2BF10-0AB0	ESD - PACKAGECOMPRESSOR C-2101A // USD-05A	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
SIEMENS	Q8.0	Q8.1	Q8.2	Q8.3	Q8.4	Q8.5	Q8.6	Q8.7	Q9.0	Q9.1	
2L+ 17 / 3L+ 37 / 2M 19 / 3M 39	3	6	9	12	15	23	26	29	32	35	1L+ 21 / 1M 22

12.16:F A3.5-2L+ | 12.17:F A3.5-3L+ | 12.10:K A3.5-2M | 12.10:I A3.5-3M

16.6:C -A3-5:3

16.7:C -A3-5:6

12.16:F A3.5-1L+

12.9:K A3.5-1M

GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

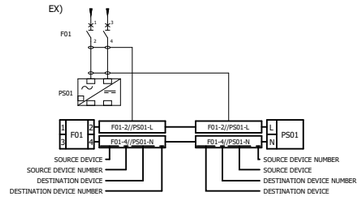
KEY PLAN

WIRING TAG METHOD

SOURCE DEVICE INFORMATION — DESTINATION DEVICE INFORMATION

WIRING TAG : SOURCE//DESTINATION — WIRING TAG : SOURCE//DESTINATION

EX)



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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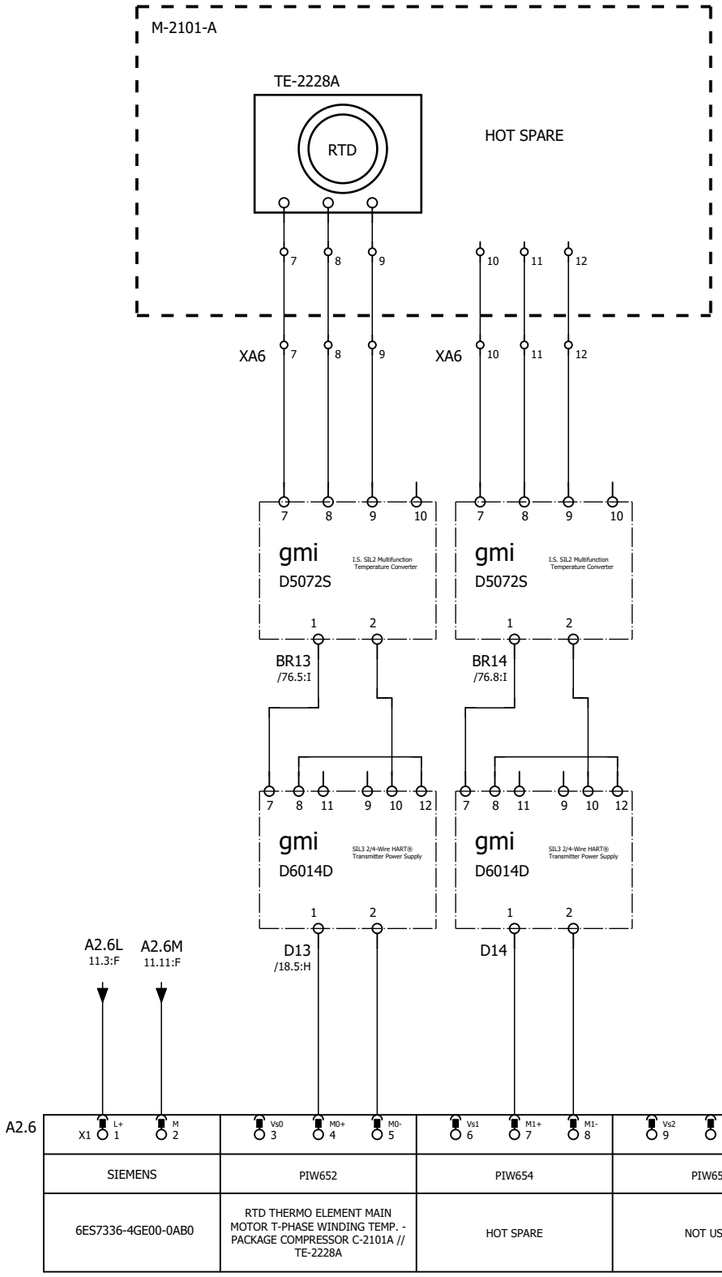
HAVAYAR

KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	18 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.6	X1 L+ 1 / M 2	Vs0 3 / M0+ 4 / M0- 5	Vs1 6 / M1+ 7 / M1- 8	Vs2 9 / M2+ 10 / M2- 11	Vs3 12 / M3+ 13 / M3- 14	Vs4 15 / M4+ 16 / M4- 17	Vs5 18 / M5+ 19 / M5- 20
	SIEMENS	PIW652	PIW654	PIW656	PIW658	PIW660	PIW662
	6ES7336-4GE00-0AB0	RTD THERMO ELEMENT MAIN MOTOR T-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101A // TE-2228A	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED

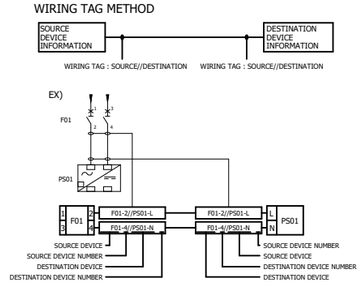
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
V03					
V02					
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V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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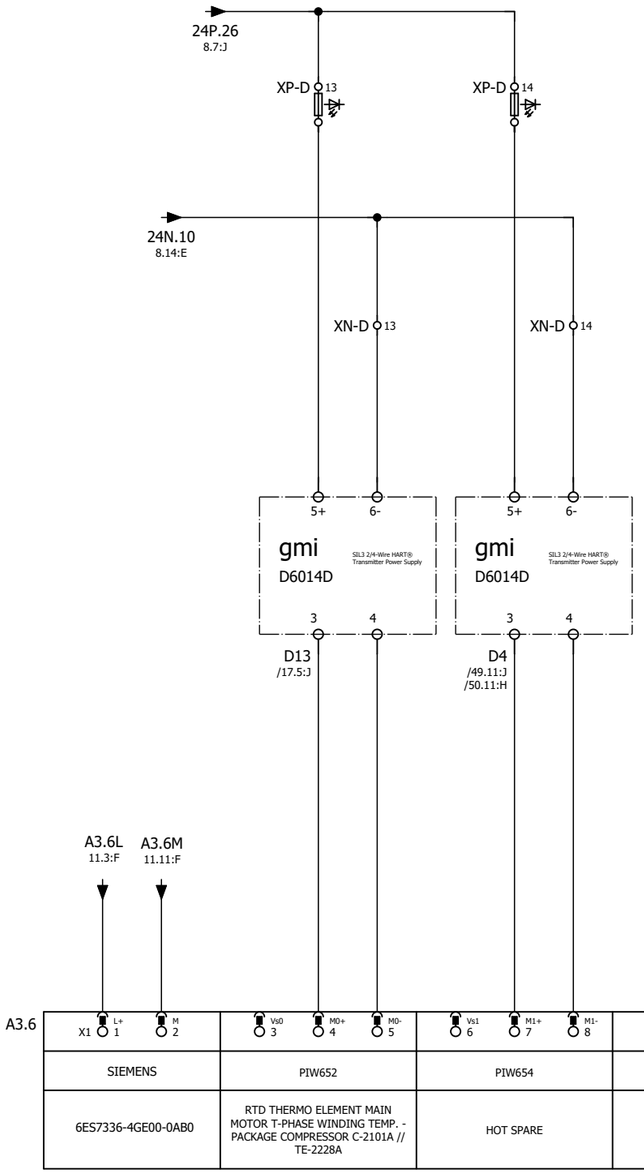
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	19 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A3.6							
	X1 1 L+ / 2 M	3 Vs0 / 4 M0+ / 5 M0-	6 Vs1 / 7 M1+ / 8 M1-	9 Vs2 / 10 M2+ / 11 M2-	12 Vs3 / 13 M3+ / 14 M3-	15 Vs4 / 16 M4+ / 17 M4-	18 Vs5 / 19 M5+ / 20 M5-
	SIEMENS	PIW652	PIW654	PIW656	PIW658	PIW660	PIW662
	6ES7336-4GE00-0AB0	RTD THERMO ELEMENT MAIN MOTOR T-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101A // TE-2228A	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED

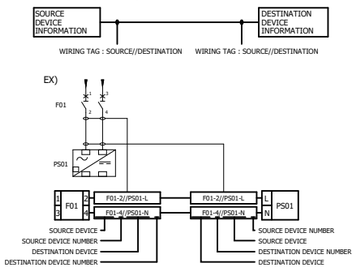
GENERAL NOTES

LEGEND

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KEY PLAN

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
V03					
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V00	*******	*******	*******	*******	*******
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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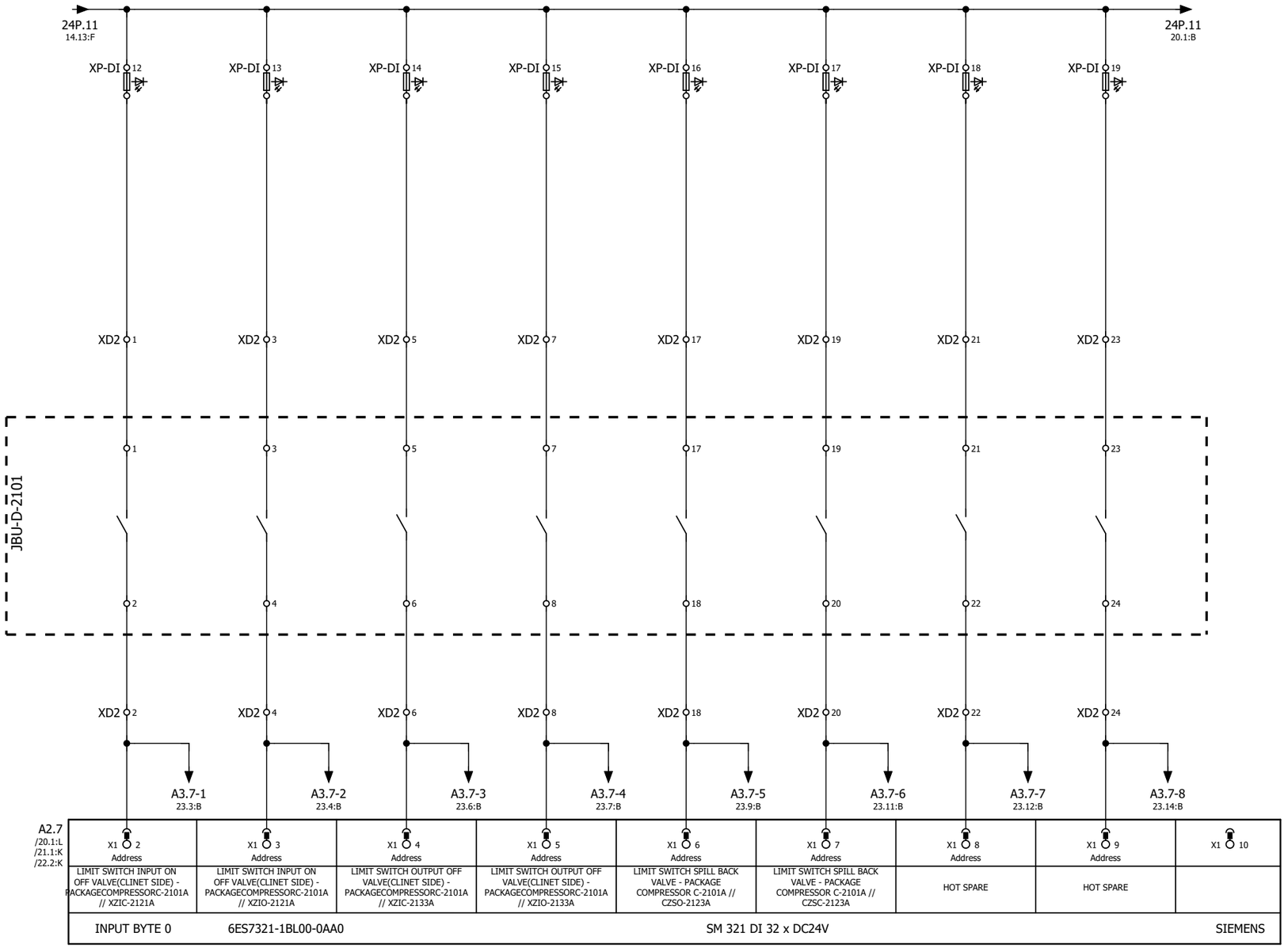
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	20 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.7
/20.1:L
/21.1:K
/22.2:K

X1 2	X1 3	X1 4	X1 5	X1 6	X1 7	X1 8	X1 9	X1 10
Address	Address	Address	Address	Address	Address	Address	Address	
LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // XZIC-2121A	LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // XZIO-2121A	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // XZIC-2133A	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // XZIO-2133A	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101A // CZSO-2123A	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101A // CZSC-2123A	HOT SPARE	HOT SPARE	

INPUT BYTE 0 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

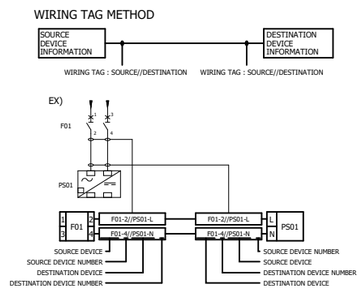
GENERAL NOTES

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SURFACE FACILITIES

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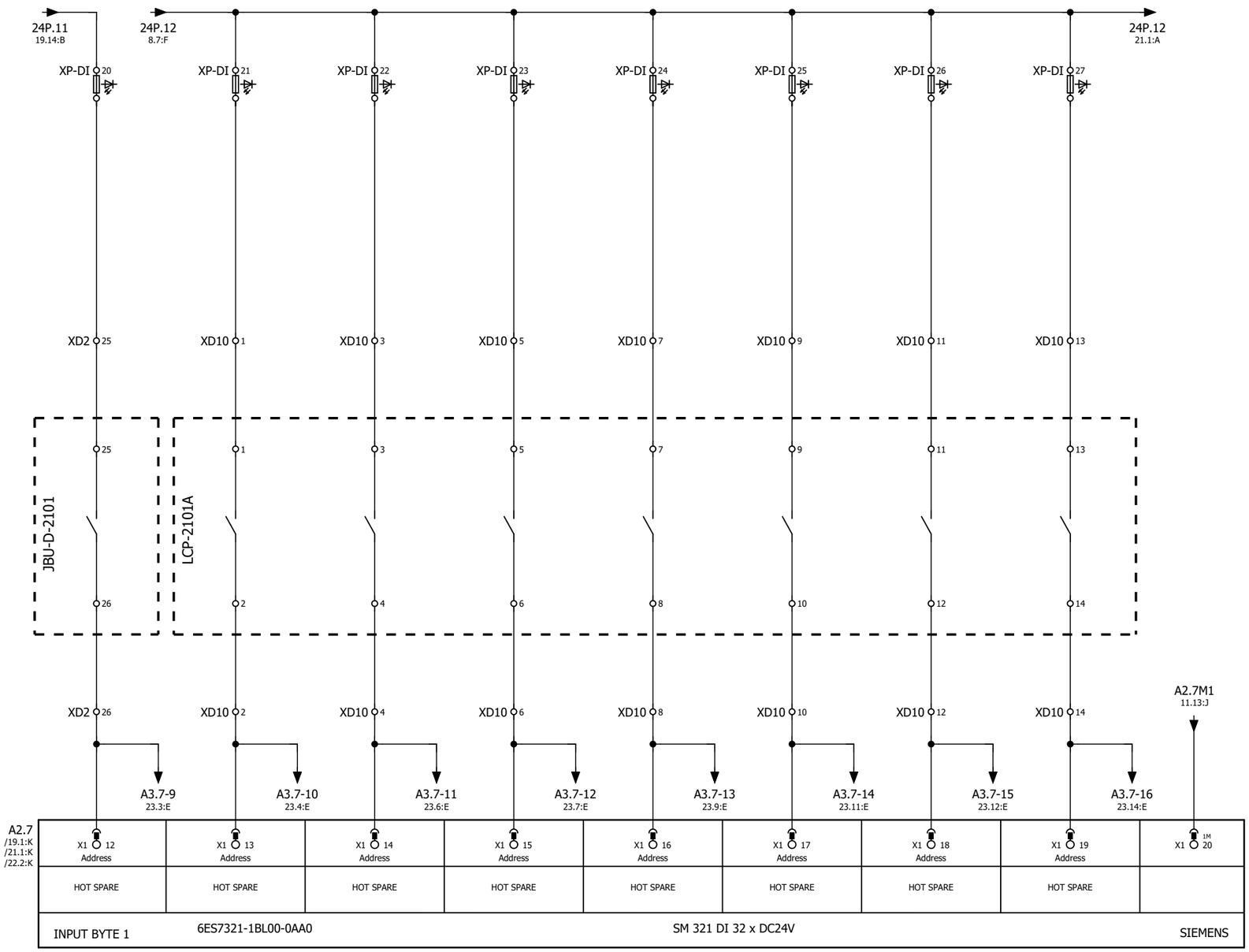
KwangShin

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	21 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



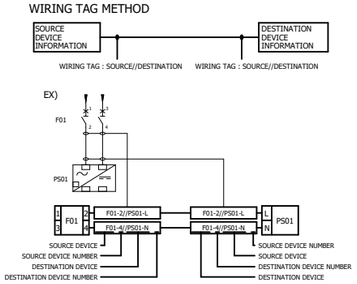
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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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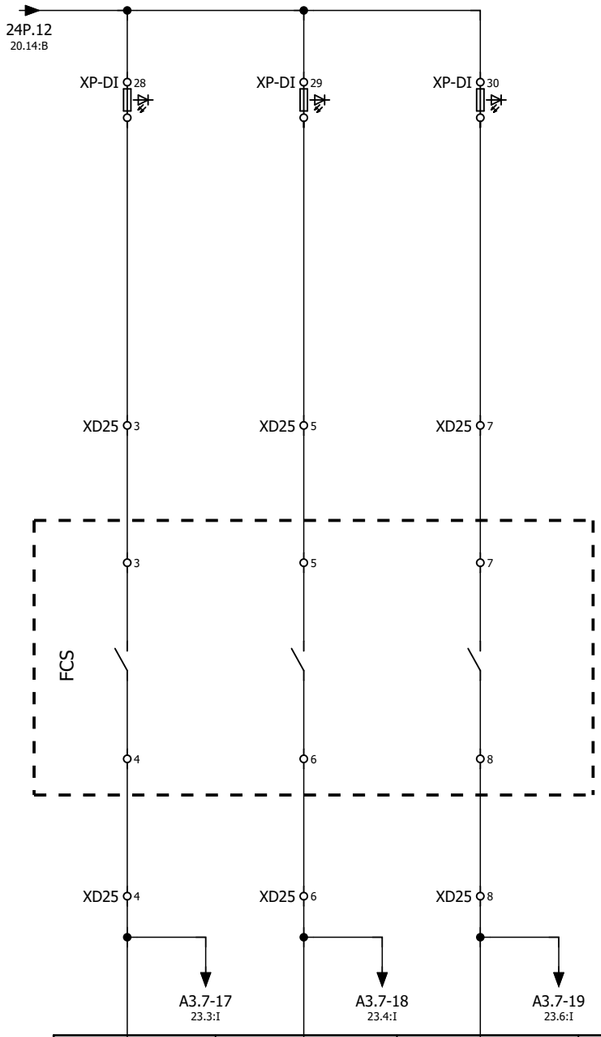
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	22 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.7 /19.1:K /20.1:L /22.2:K	X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30 Address
	Permission to start - PACKAGECOMPRESSORC-2101A // HSS-2125A	Command Start - PACKAGECOMPRESSORC-2101A // HSS-2123A	Command Stop - PACKAGECOMPRESSORC-2101A // HSP-2123A	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 2	6ES7321-1BL00-0AA0			SM 321 DI 32 x DC24V					SIEMENS

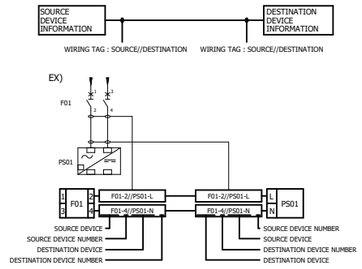
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V00	*******	*******	*******	*******	*******
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	23 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A2.7M2
11.13:J

A2.7
/19.1:K
/20.1:L
/21.1:K

X1 32 Address	X1 33 Address	X1 34 Address	X1 35 Address	X1 36 Address	X1 37 Address	X1 38 Address	X1 39 Address	X1 2M 40 Address
NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 3	6ES7321-1BL00-0AA0			SM 321 DI 32 x DC24V				SIEMENS

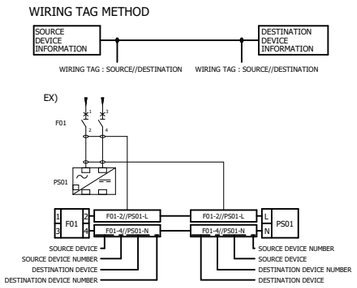
GENERAL NOTES

LEGEND

REFERENCE DRAWING | DRG. NO.

KEY PLAN

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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KwangShin Reputable Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	24 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A3.7	X1 2 Address	X1 3 Address	X1 4 Address	X1 5 Address	X1 6 Address	X1 7 Address	X1 8 Address	X1 9 Address	X1 10
/23.2:F /23.2:I /23.2:L	LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // XZIC-2121A	LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // XZIO-2121A	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // XZIC-2133A	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // XZIO-2133A	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101A // CZSO-2123A	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101A // CZSC-2123A	HOT SPARE	HOT SPARE	
INPUT BYTE 0	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

A3.7	X1 12 Address	X1 13 Address	X1 14 Address	X1 15 Address	X1 16 Address	X1 17 Address	X1 18 Address	X1 19 Address	X1 1M 20
/23.2:C /23.2:I /23.2:L	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	
INPUT BYTE 1	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

A3.7	X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30
/23.2:C /23.2:F /23.2:L	Permission to start - PACKAGECOMPRESSORC-2101A // HSS-2125A	Command Start - PACKAGECOMPRESSORC-2101A // HSS-2123A	Command Stop - PACKAGECOMPRESSORC-2101A // HSP-2123A	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 2	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

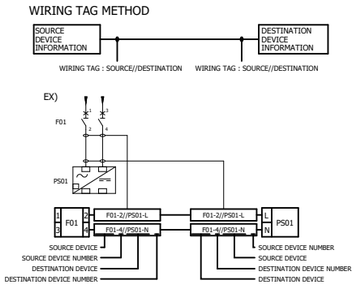
A3.7	X1 32 Address	X1 33 Address	X1 34 Address	X1 35 Address	X1 36 Address	X1 37 Address	X1 38 Address	X1 39 Address	X1 2M 40
/23.2:C /23.2:F /23.2:I	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 3	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

GENERAL NOTES

LEGEND

KEY PLAN

WIRING TAG METHOD



REFERENCE DRAWING	DRG. NO.

Rev.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
V03					
V02					
V01					
V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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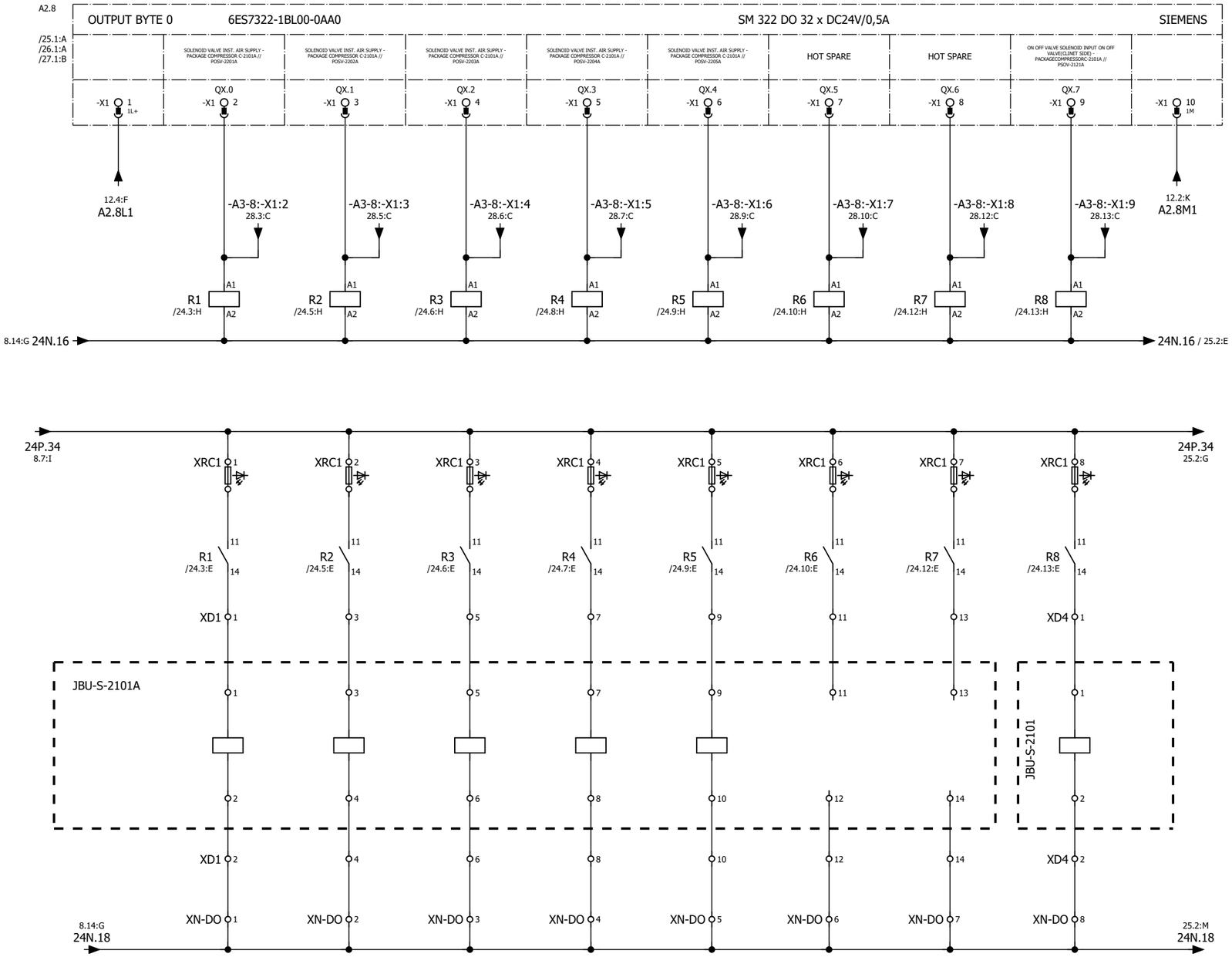
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	25 OF 335	00



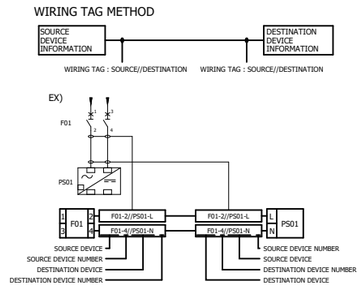
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

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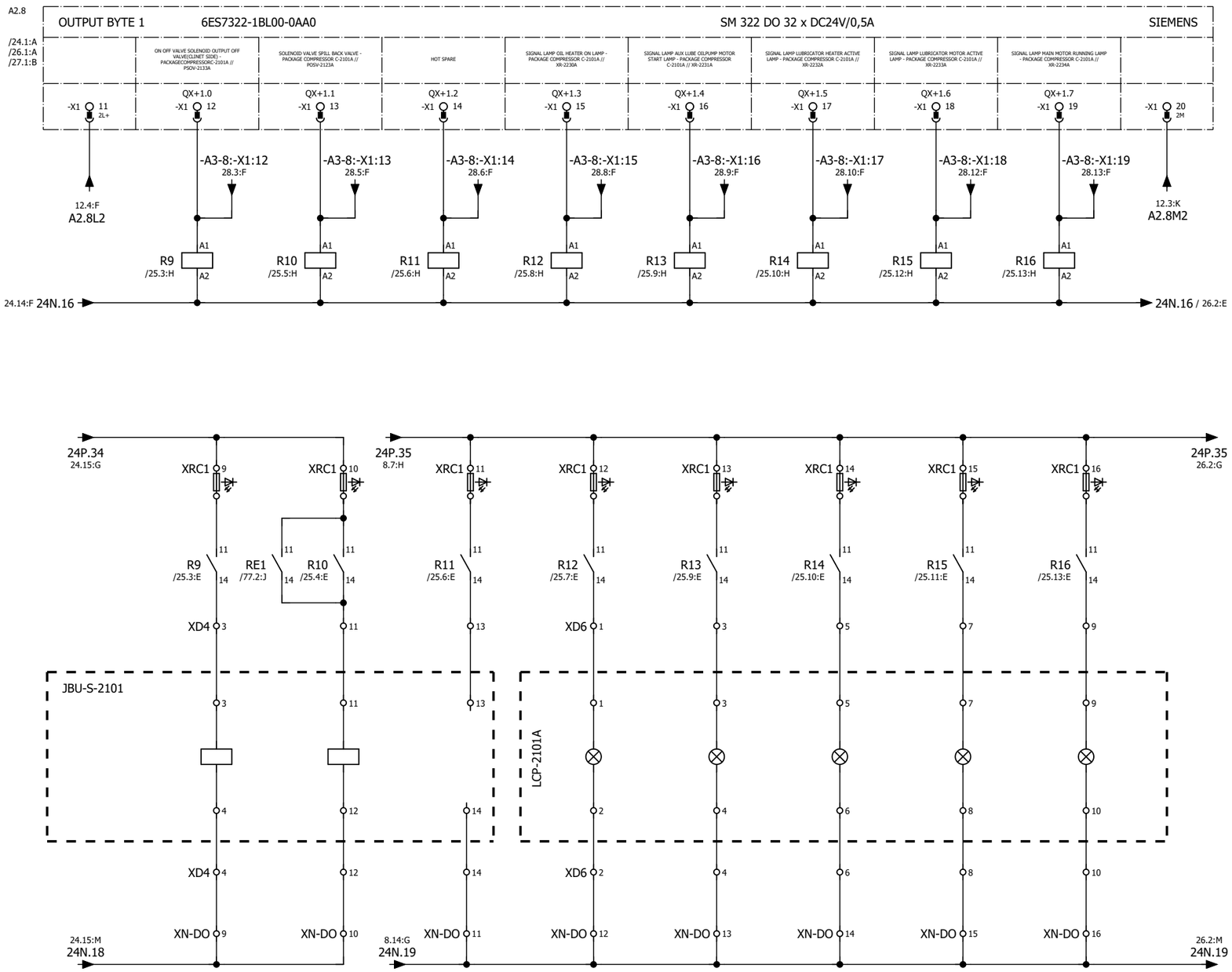
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	26 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



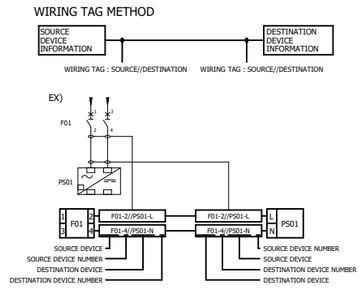
GENERAL NOTES

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V00	*******	*******	*******	*******	*******
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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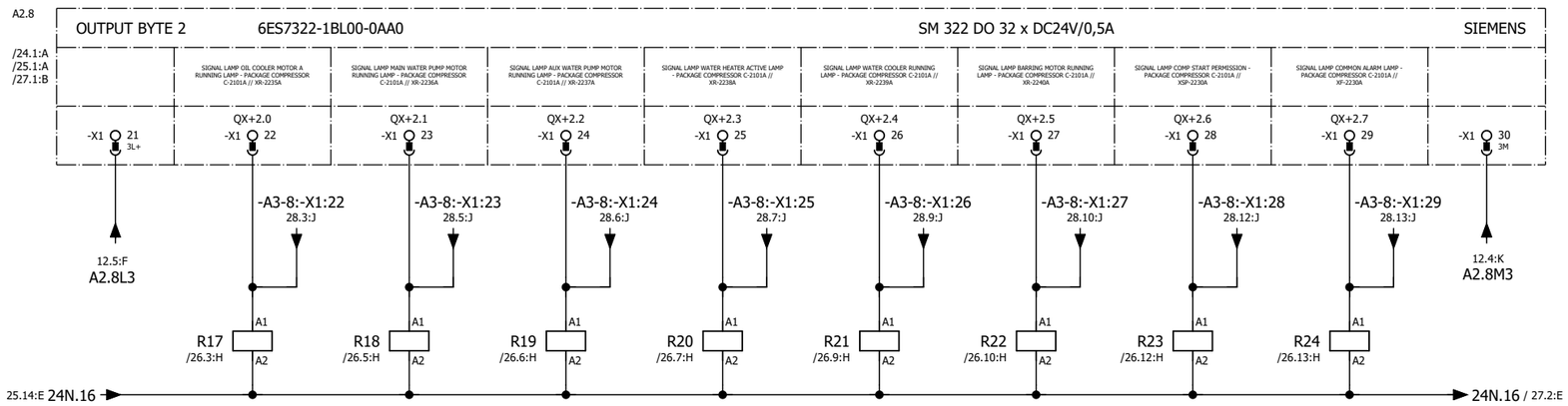
APPROVED FOR CONSTRUCTION			BY:	DATE:		
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

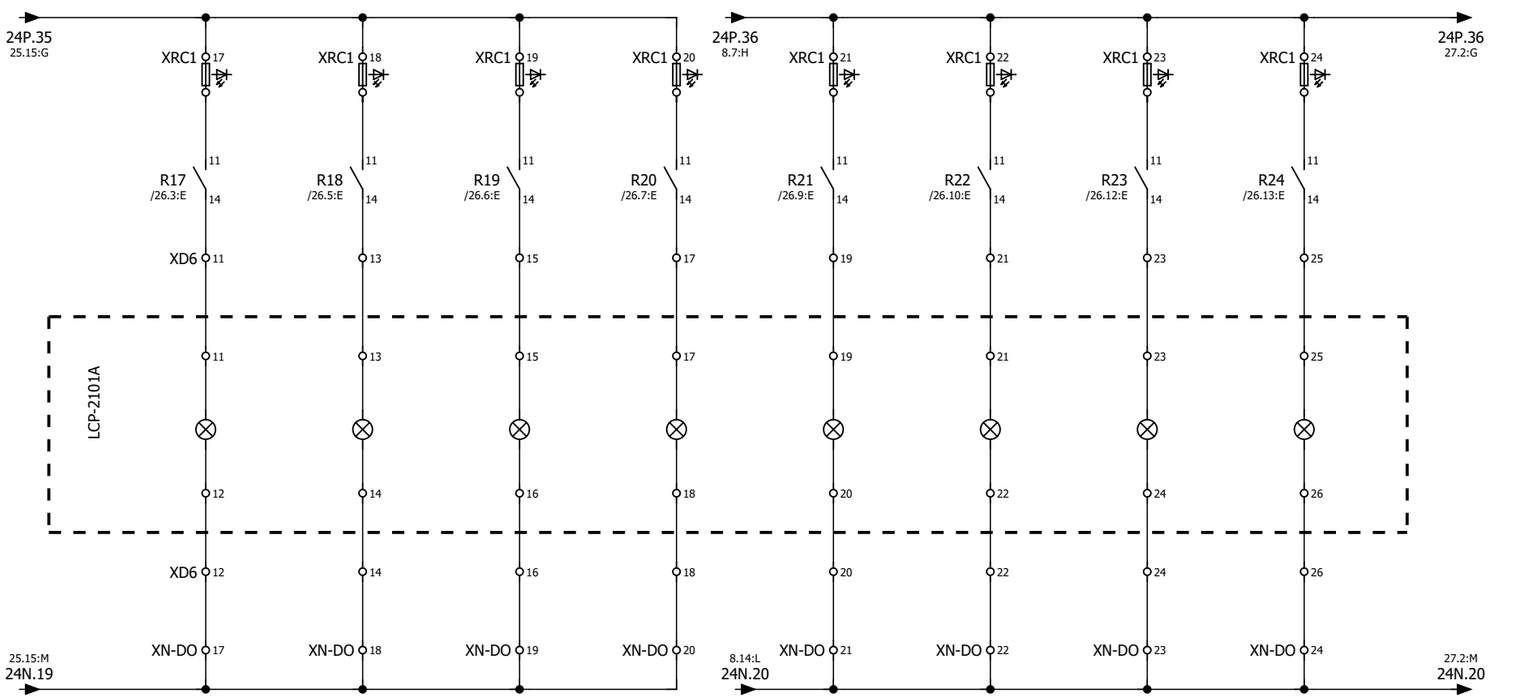
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	27 OF 335	00





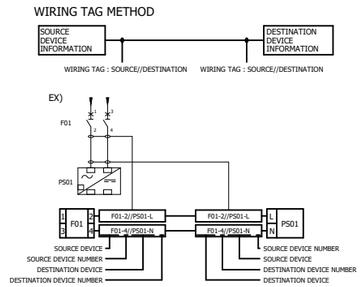
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V00	*******	*******	*******	*******	*******
V03					
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********
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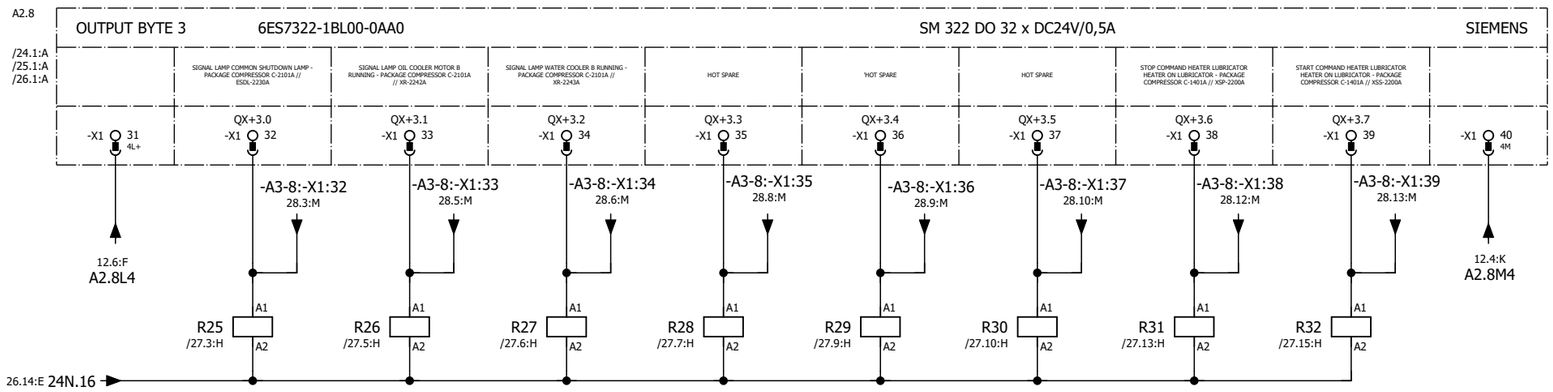
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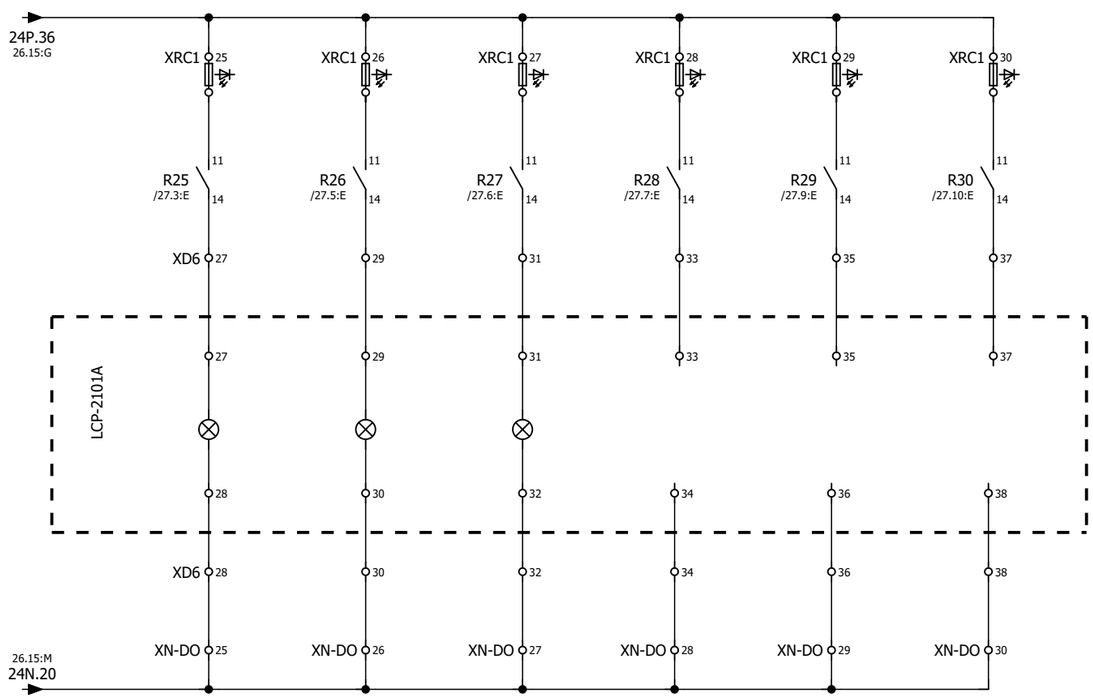
KwangShin

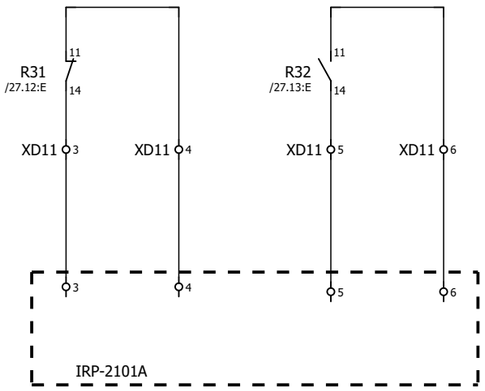
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	28 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION







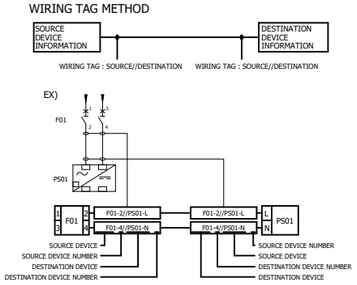
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	29 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A3.8 — OUTPUT BYTE 0 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/28.1:G /28.1:D /28.2:J

	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101A // POSV-2201A	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101A // POSV-2202A	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101A // POSV-2203A	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101A // POSV-2204A	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101A // POSV-2205A	SOLENOID VALVE SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101A // POSV-2123A	HOT SPARE	ON OFF VALVE SOLENOID INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // PSOV-2121A	
-X1 1 1L+	QX.0 -X1 2	QX.1 -X1 3	QX.2 -X1 4	QX.3 -X1 5	QX.4 -X1 6	QX.5 -X1 7	QX.6 -X1 8	QX.7 -X1 9	-X1 10 1M
12.6:F A3.8L1	24.4:D -A3-8:-X1:2	24.5:D -A3-8:-X1:3	24.6:D -A3-8:-X1:4	24.8:D -A3-8:-X1:5	24.9:D -A3-8:-X1:6	24.11:D -A3-8:-X1:7	24.12:D -A3-8:-X1:8	24.14:D -A3-8:-X1:9	12.5:K A3.8M1

A3.8 — OUTPUT BYTE 1 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/28.1:A /28.1:G /28.2:J

	ON OFF VALVE SOLENOID OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101A // PSOV-2133A	HOT SPARE	HOT SPARE	SIGNAL LAMP OIL HEATER ON LAMP - PACKAGE COMPRESSOR C-2101A // XR-2230A	SIGNAL LAMP AUX LUBE OILPUMP MOTOR START LAMP - PACKAGE COMPRESSOR C-2101A // XR-2231A	SIGNAL LAMP LUBRICATOR HEATER ACTIVE LAMP - PACKAGE COMPRESSOR C-2101A // XR-2232A	SIGNAL LAMP LUBRICATOR MOTOR ACTIVE LAMP - PACKAGE COMPRESSOR C-2101A // XR-2233A	SIGNAL LAMP MAIN MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101A // XR-2234A	
-X1 11 2L+	QX+1.0 -X1 12	QX+1.1 -X1 13	QX+1.2 -X1 14	QX+1.3 -X1 15	QX+1.4 -X1 16	QX+1.5 -X1 17	QX+1.6 -X1 18	QX+1.7 -X1 19	-X1 20 2M
12.7:F A3.8L2	25.3:D -A3-8:-X1:12	25.5:D -A3-8:-X1:13	25.6:D -A3-8:-X1:14	25.8:D -A3-8:-X1:15	25.9:D -A3-8:-X1:16	25.10:D -A3-8:-X1:17	25.12:D -A3-8:-X1:18	25.13:D -A3-8:-X1:19	12.6:K A3.8M2

A3.8 — OUTPUT BYTE 2 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/28.1:A /28.1:D /28.2:J

	SIGNAL LAMP OIL COOLER MOTOR A RUNNING LAMP - PACKAGE COMPRESSOR C-2101A // XR-2235A	SIGNAL LAMP MAIN WATER PUMP MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101A // XR-2236A	SIGNAL LAMP AUX WATER PUMP MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101A // XR-2237A	SIGNAL LAMP WATER HEATER ACTIVE LAMP - PACKAGE COMPRESSOR C-2101A // XR-2238A	SIGNAL LAMP WATER COOLER RUNNING LAMP - PACKAGE COMPRESSOR C-2101A // XR-2239A	SIGNAL LAMP BARRING MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101A // XR-2240A	SIGNAL LAMP COMP START PERMISSION - PACKAGE COMPRESSOR C-2101A // XSP-2230A	SIGNAL LAMP COMMON ALARM LAMP - PACKAGE COMPRESSOR C-2101A // XF-2230A	
-X1 21 3L+	QX+2.0 -X1 22	QX+2.1 -X1 23	QX+2.2 -X1 24	QX+2.3 -X1 25	QX+2.4 -X1 26	QX+2.5 -X1 27	QX+2.6 -X1 28	QX+2.7 -X1 29	-X1 30 3M
12.7:F A3.8L3	26.4:D -A3-8:-X1:22	26.5:D -A3-8:-X1:23	26.6:D -A3-8:-X1:24	26.8:D -A3-8:-X1:25	26.9:D -A3-8:-X1:26	26.11:D -A3-8:-X1:27	26.12:D -A3-8:-X1:28	26.14:D -A3-8:-X1:29	12.6:K A3.8M3

A3.8 — OUTPUT BYTE 3 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/28.1:A /28.1:G /28.1:D

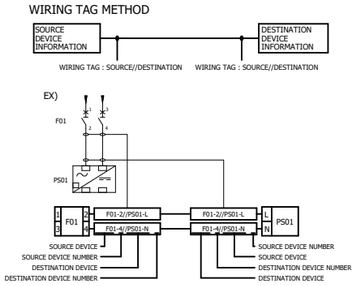
	SIGNAL LAMP COMMON SHUTDOWN LAMP - PACKAGE COMPRESSOR C-2101A // ESDL-2230A	SIGNAL LAMP OIL COOLER MOTOR B RUNNING - PACKAGE COMPRESSOR C-2101A // XR-2242A	SIGNAL LAMP WATER COOLER B RUNNING - PACKAGE COMPRESSOR C-2101A // XR-2243A	HOT SPARE	'HOT SPARE	HOT SPARE	STOP COMMAND HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401A // XSP-2200A	START COMMAND HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401A // XSS-2200A	
-X1 31 4L+	QX+3.0 -X1 32	QX+3.1 -X1 33	QX+3.2 -X1 34	QX+3.3 -X1 35	QX+3.4 -X1 36	QX+3.5 -X1 37	QX+3.6 -X1 38	QX+3.7 -X1 39	-X1 40 4M
12.8:F A3.8L4	27.4:D -A3-8:-X1:32	27.5:D -A3-8:-X1:33	27.6:D -A3-8:-X1:34	27.8:D -A3-8:-X1:35	27.9:D -A3-8:-X1:36	27.11:D -A3-8:-X1:37	27.12:D -A3-8:-X1:38	27.14:D -A3-8:-X1:39	12.7:K A3.8M4

GENERAL NOTES

LEGEND

KEY PLAN

WIRING TAG METHOD



REFERENCE DRAWING	DRG. NO.

Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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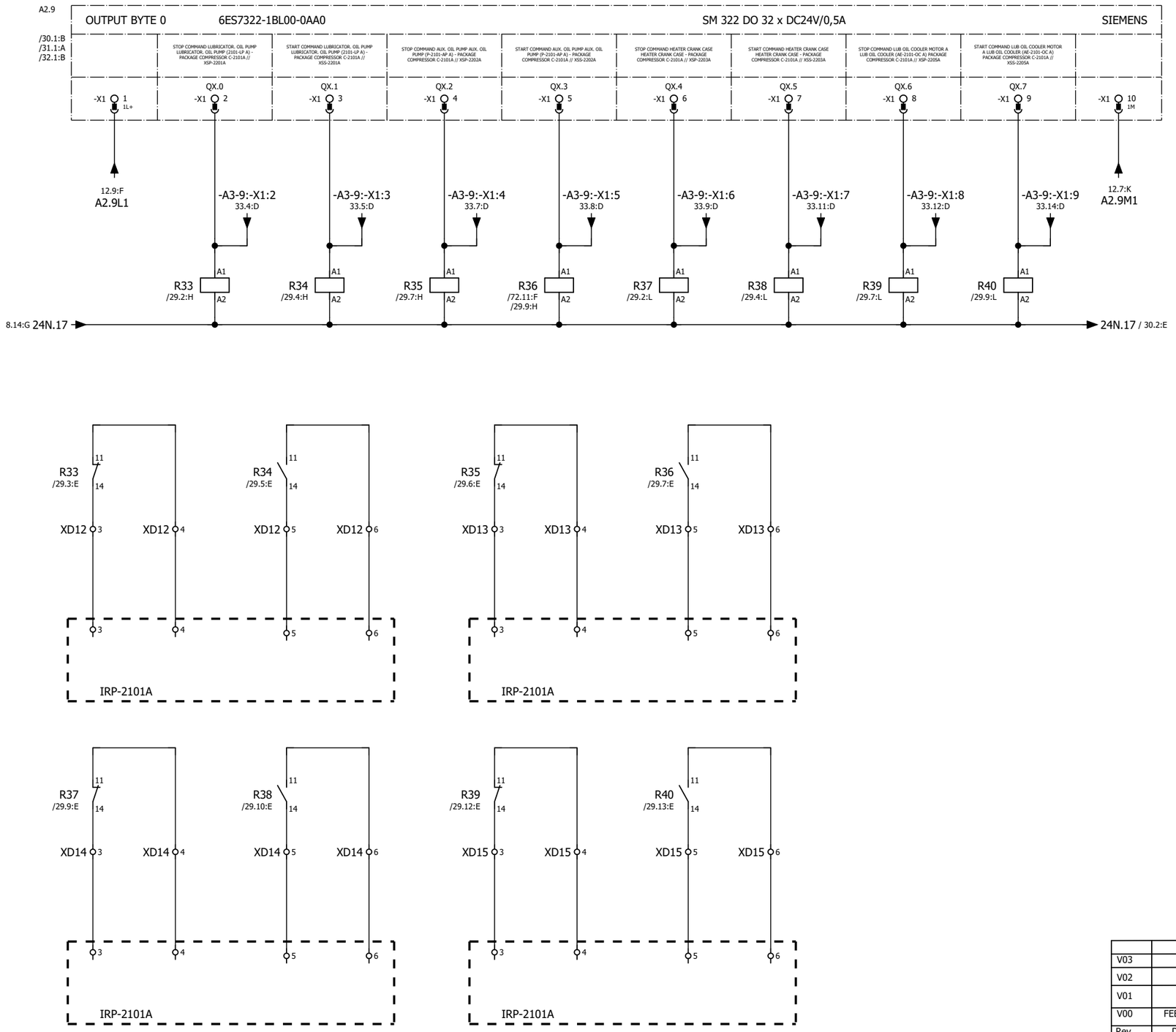
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KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	30 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



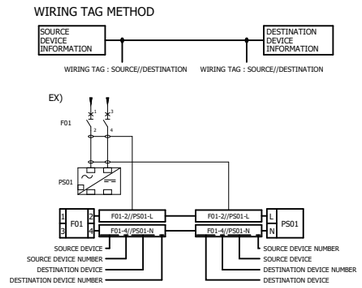
GENERAL NOTES

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WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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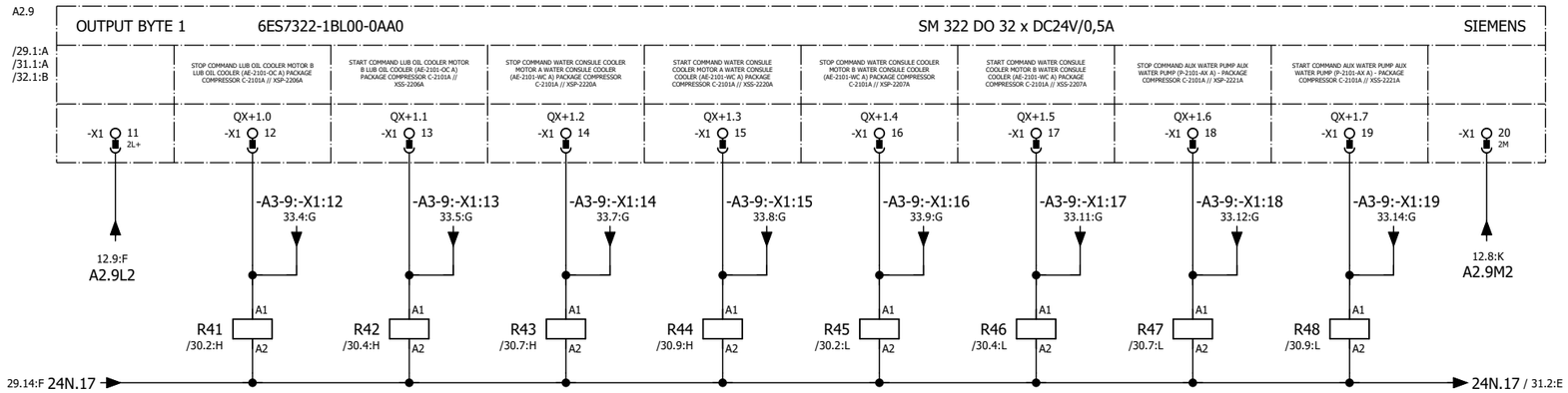
KwangShin

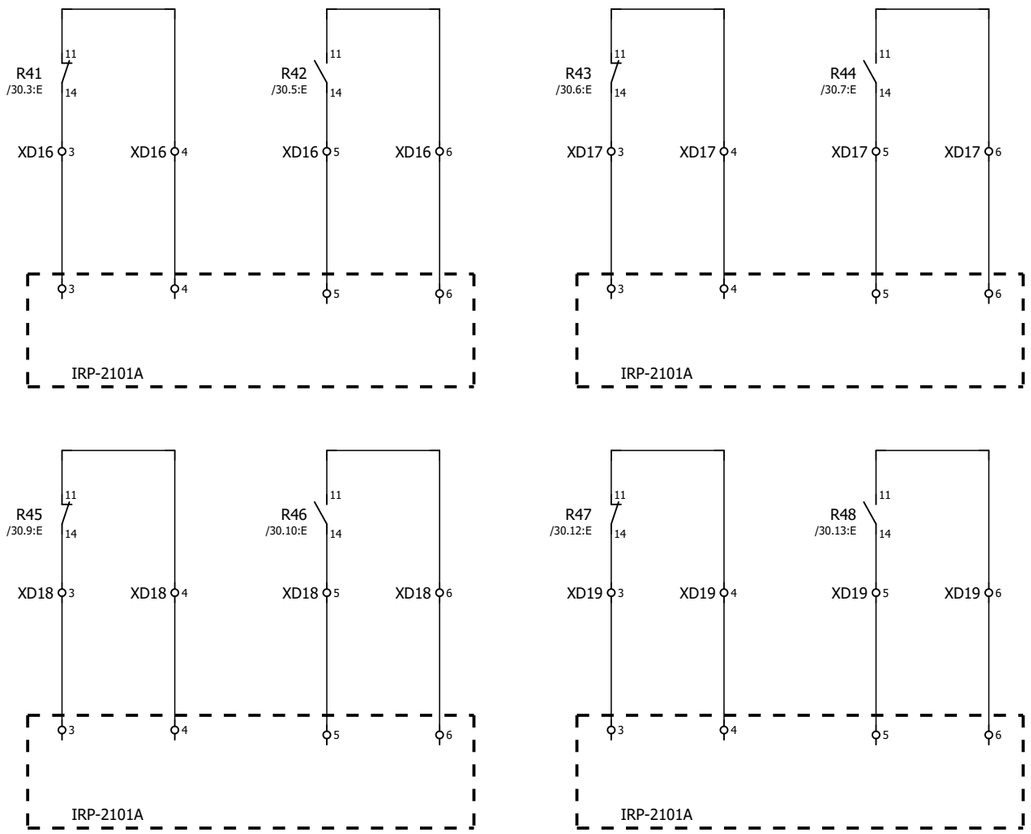
DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	31 OF 335	00

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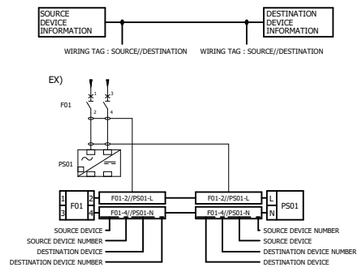
GENERAL NOTES

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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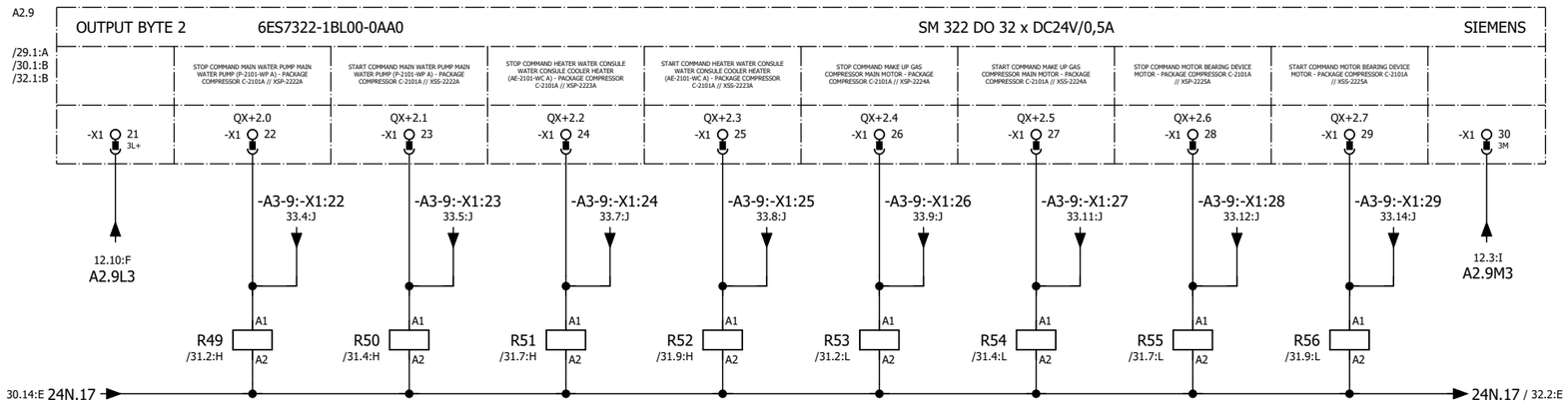
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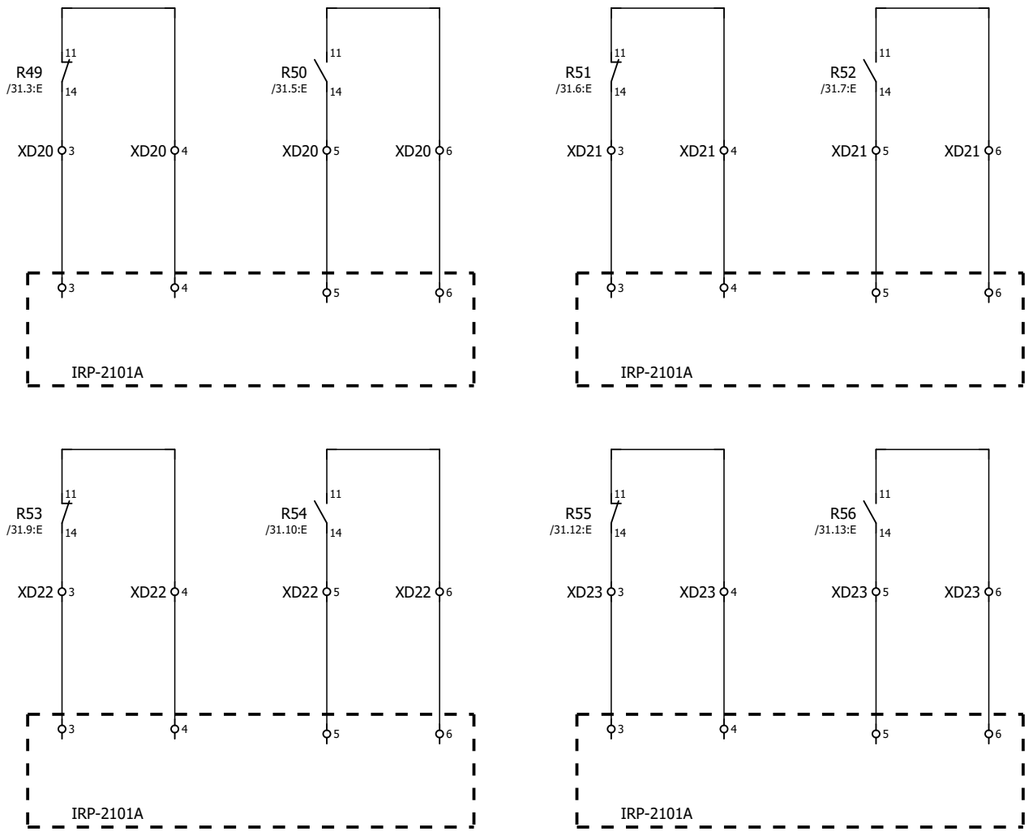
KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	32 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





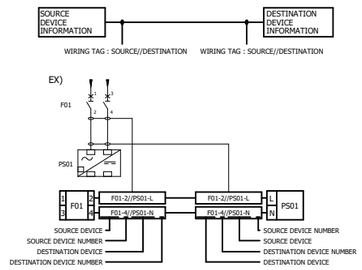
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V02					
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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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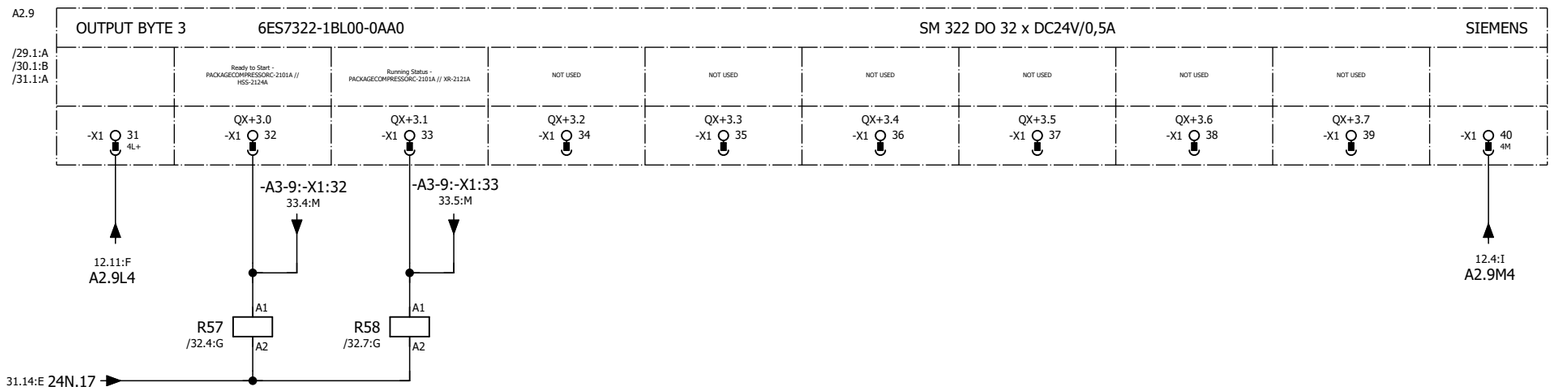
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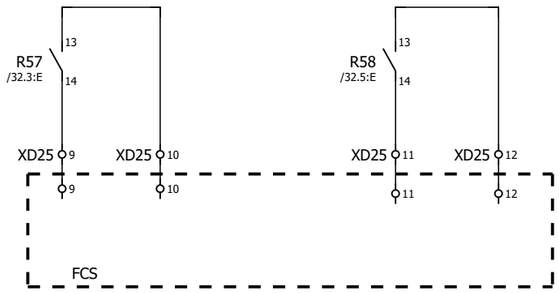
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	33 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





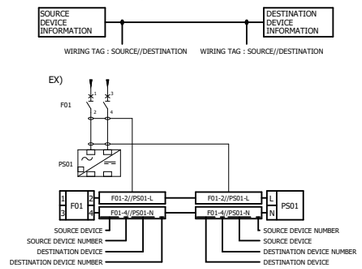
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	34 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A3.9

OUTPUT BYTE 0 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:E
/33.2:H
/33.2:K

	STOP COMMAND LUBRICATOR. OIL PUMP LUBRICATOR. OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101A // XSP-2201A	START COMMAND LUBRICATOR. OIL PUMP LUBRICATOR. OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101A // XSS-2201A	STOP COMMAND AUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101A // XSP-2202A	START COMMAND AUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101A // XSS-2202A	STOP COMMAND HEATER CRANK CASE HEATER CRANK CASE - PACKAGE COMPRESSOR C-2101A // XSP-2203A	START COMMAND HEATER CRANK CASE HEATER CRANK CASE - PACKAGE COMPRESSOR C-2101A // XSS-2203A	STOP COMMAND LUB OIL COOLER MOTOR A LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101A // XSP-2205A	START COMMAND LUB OIL COOLER MOTOR A LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101A // XSS-2205A	
-X1 1 1L+	QX.0 -X1 2	QX.1 -X1 3	QX.2 -X1 4	QX.3 -X1 5	QX.4 -X1 6	QX.5 -X1 7	QX.6 -X1 8	QX.7 -X1 9	-X1 10 1M
12.11:F A3.9L1	29.4:D -A3-9:-X1:2	29.5:D -A3-9:-X1:3	29.6:D -A3-9:-X1:4	29.8:D -A3-9:-X1:5	29.9:D -A3-9:-X1:6	29.11:D -A3-9:-X1:7	29.12:D -A3-9:-X1:8	29.14:D -A3-9:-X1:9	12.4:I A3.9M1

A3.9

OUTPUT BYTE 1 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:B
/33.2:H
/33.2:K

	STOP COMMAND LUB OIL COOLER MOTOR B LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101A // XSP-2206A	START COMMAND LUB OIL COOLER MOTOR B LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101A // XSS-2206A	STOP COMMAND WATER CONSULE COOLER MOTOR A WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101A // XSP-2220A	START COMMAND WATER CONSULE COOLER MOTOR A WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101A // XSS-2220A	STOP COMMAND WATER CONSULE COOLER MOTOR B WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101A // XSP-2207A	START COMMAND WATER CONSULE COOLER MOTOR B WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101A // XSS-2207A	STOP COMMAND AUX WATER PUMP AUX WATER PUMP (P-2101-AX A) - PACKAGE COMPRESSOR C-2101A // XSP-2221A	START COMMAND AUX WATER PUMP AUX WATER PUMP (P-2101-AX A) - PACKAGE COMPRESSOR C-2101A // XSS-2221A	
-X1 11 2L+	QX+1.0 -X1 12	QX+1.1 -X1 13	QX+1.2 -X1 14	QX+1.3 -X1 15	QX+1.4 -X1 16	QX+1.5 -X1 17	QX+1.6 -X1 18	QX+1.7 -X1 19	-X1 20 2M
12.12:F A3.9L2	30.4:D -A3-9:-X1:12	30.5:D -A3-9:-X1:13	30.6:D -A3-9:-X1:14	30.8:D -A3-9:-X1:15	30.9:D -A3-9:-X1:16	30.11:D -A3-9:-X1:17	30.12:D -A3-9:-X1:18	30.14:D -A3-9:-X1:19	12.5:I A3.9M2

A3.9

OUTPUT BYTE 2 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:B
/33.2:E
/33.2:K

	STOP COMMAND MAIN WATER PUMP MAIN WATER PUMP (P-2101-WP A) - PACKAGE COMPRESSOR C-2101A // XSP-2222A	START COMMAND MAIN WATER PUMP MAIN WATER PUMP (P-2101-WP A) - PACKAGE COMPRESSOR C-2101A // XSS-2222A	STOP COMMAND HEATER WATER CONSULE WATER CONSULE COOLER HEATER (AE-2101-WC A) - PACKAGE COMPRESSOR C-2101A // XSP-2223A	START COMMAND HEATER WATER CONSULE WATER CONSULE COOLER HEATER (AE-2101-WC A) - PACKAGE COMPRESSOR C-2101A // XSS-2223A	STOP COMMAND MAKE UP GAS COMPRESSOR MAIN MOTOR - PACKAGE COMPRESSOR C-2101A // XSP-2224A	START COMMAND MAKE UP GAS COMPRESSOR MAIN MOTOR - PACKAGE COMPRESSOR C-2101A // XSS-2224A	STOP COMMAND MOTOR BEARING DEVICE MOTOR - PACKAGE COMPRESSOR C-2101A // XSP-2225A	START COMMAND MOTOR BEARING DEVICE MOTOR - PACKAGE COMPRESSOR C-2101A // XSS-2225A	
-X1 21 3L+	QX+2.0 -X1 22	QX+2.1 -X1 23	QX+2.2 -X1 24	QX+2.3 -X1 25	QX+2.4 -X1 26	QX+2.5 -X1 27	QX+2.6 -X1 28	QX+2.7 -X1 29	-X1 30 3M
12.12:F A3.9L3	31.4:D -A3-9:-X1:22	31.5:D -A3-9:-X1:23	31.6:D -A3-9:-X1:24	31.8:D -A3-9:-X1:25	31.9:D -A3-9:-X1:26	31.11:D -A3-9:-X1:27	31.12:D -A3-9:-X1:28	31.14:D -A3-9:-X1:29	12.6:I A3.9M3

A3.9

OUTPUT BYTE 3 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:B
/33.2:E
/33.2:H

	Ready to Start - PACKAGECOMPRESSORC-2101A // HSS-2124A	Running Status - PACKAGECOMPRESSORC-2101A // XR-2121A	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
-X1 31 4L+	QX+3.0 -X1 32	QX+3.1 -X1 33	QX+3.2 -X1 34	QX+3.3 -X1 35	QX+3.4 -X1 36	QX+3.5 -X1 37	QX+3.6 -X1 38	QX+3.7 -X1 39	-X1 40 4M
12.13:F A3.9L4	32.4:D -A3-9:-X1:32	32.5:D -A3-9:-X1:33							12.6:I A3.9M4

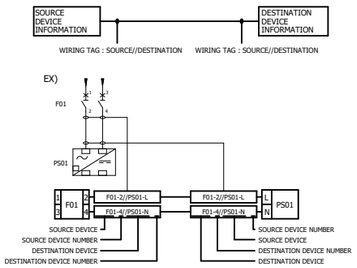
GENERAL NOTES

LEGEND

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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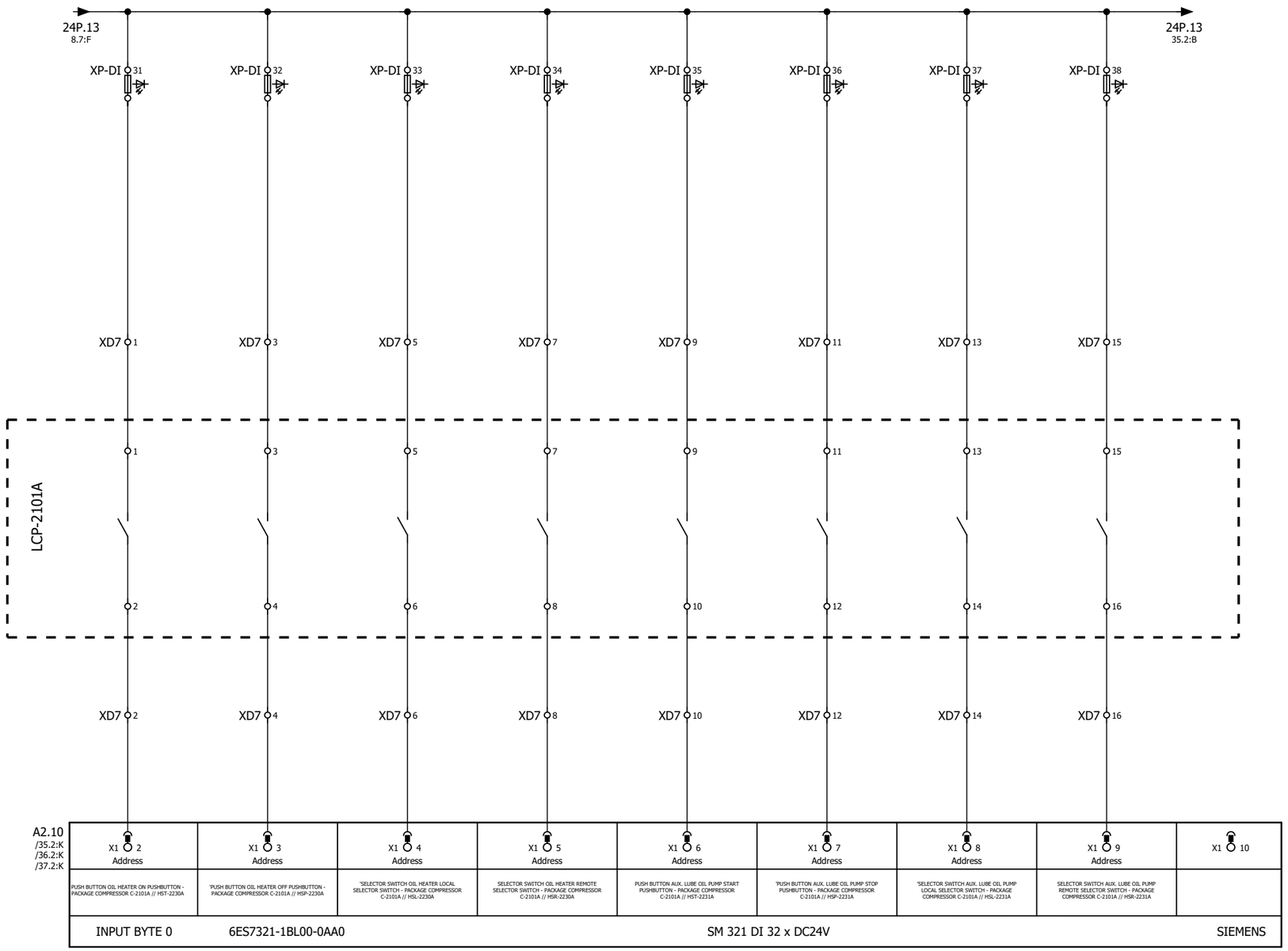
HAVAYAR

KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	35 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.10
/35.2:K
/36.2:K
/37.2:K

X1 2 Address	X1 3 Address	X1 4 Address	X1 5 Address	X1 6 Address	X1 7 Address	X1 8 Address	X1 9 Address	X1 10
PUSH BUTTON OIL HEATER ON PUSHBUTTON - PACKAGE COMPRESSOR C-2101A // HST-2230A	'PUSH BUTTON OIL HEATER OFF PUSHBUTTON - PACKAGE COMPRESSOR C-2101A // HSP-2230A	'SELECTOR SWITCH OIL HEATER LOCAL SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101A // HSL-2230A	SELECTOR SWITCH OIL HEATER REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101A // HSR-2230A	PUSH BUTTON AUX. LUBE OIL PUMP START PUSHBUTTON - PACKAGE COMPRESSOR C-2101A // HST-2231A	'PUSH BUTTON AUX. LUBE OIL PUMP STOP PUSHBUTTON - PACKAGE COMPRESSOR C-2101A // HSP-2231A	'SELECTOR SWITCH AUX. LUBE OIL PUMP LOCAL SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101A // HSL-2231A	SELECTOR SWITCH AUX. LUBE OIL PUMP REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101A // HSR-2231A	

INPUT BYTE 0 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

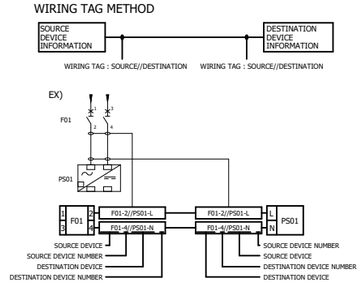
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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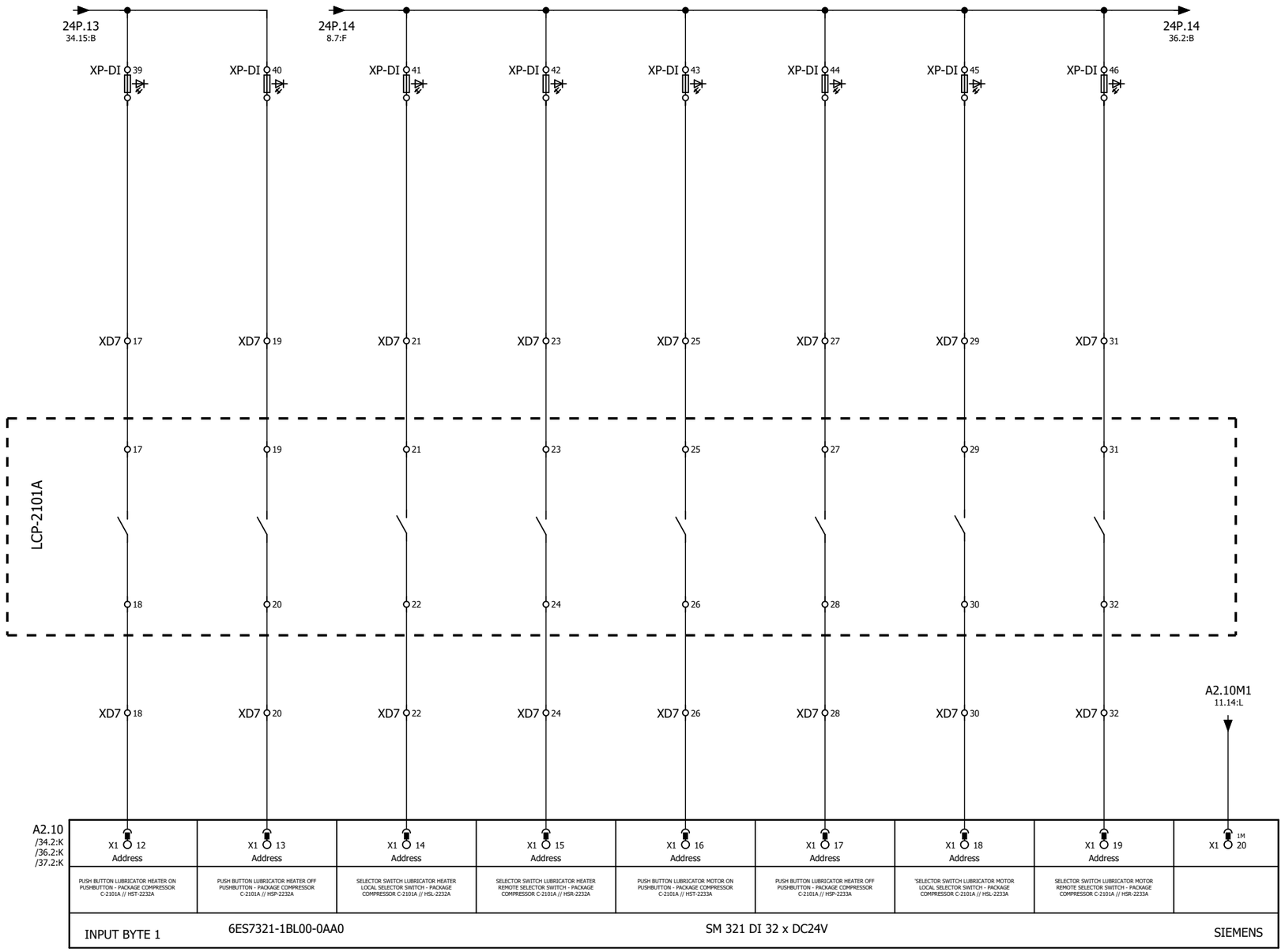
KwangShin Reciprocating Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	36 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



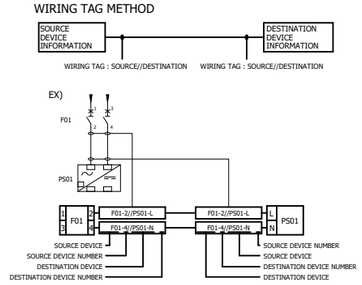
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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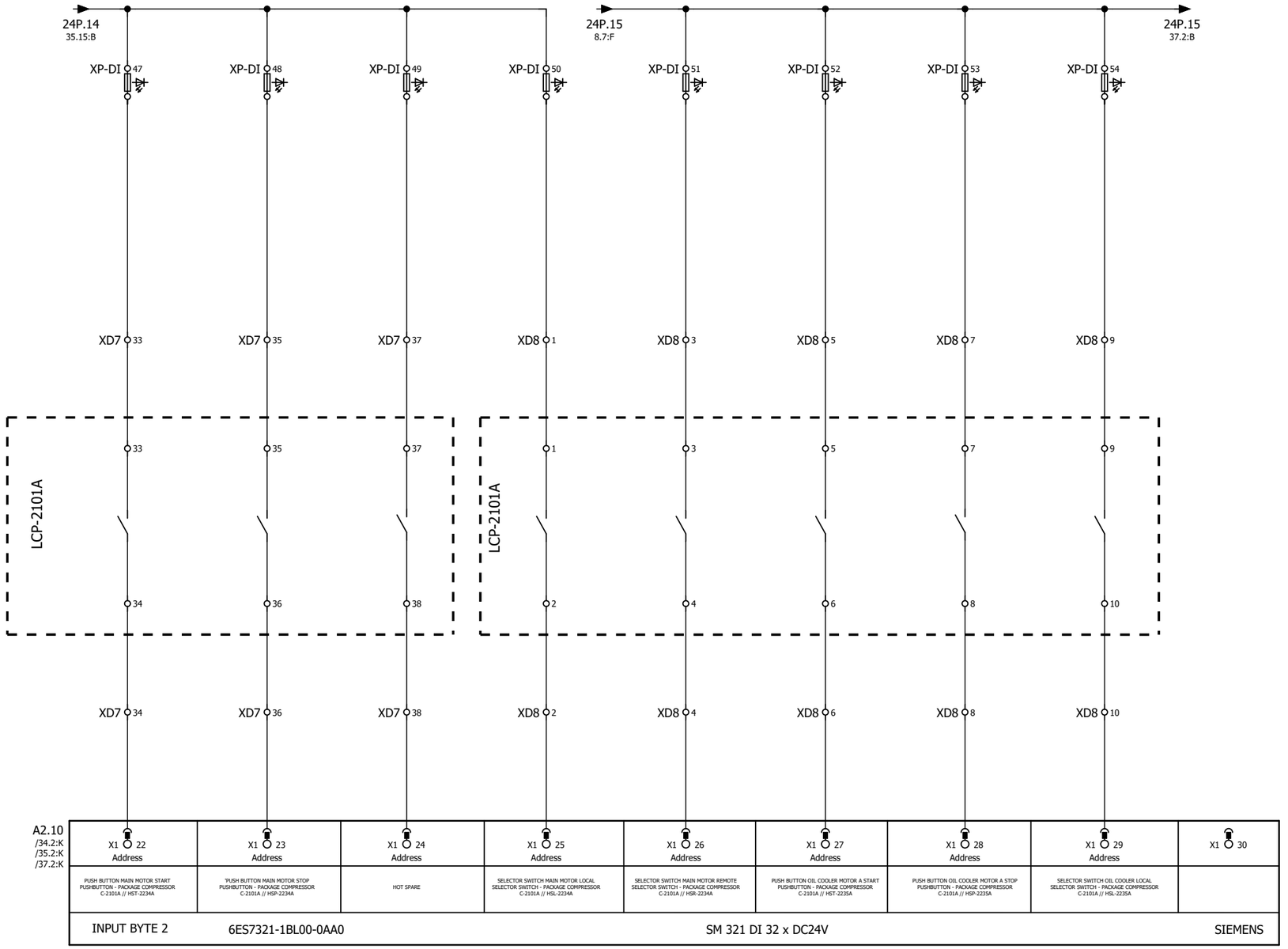
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	37 OF 335	00



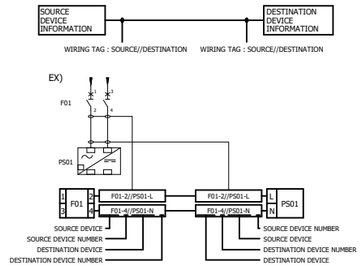
GENERAL NOTES

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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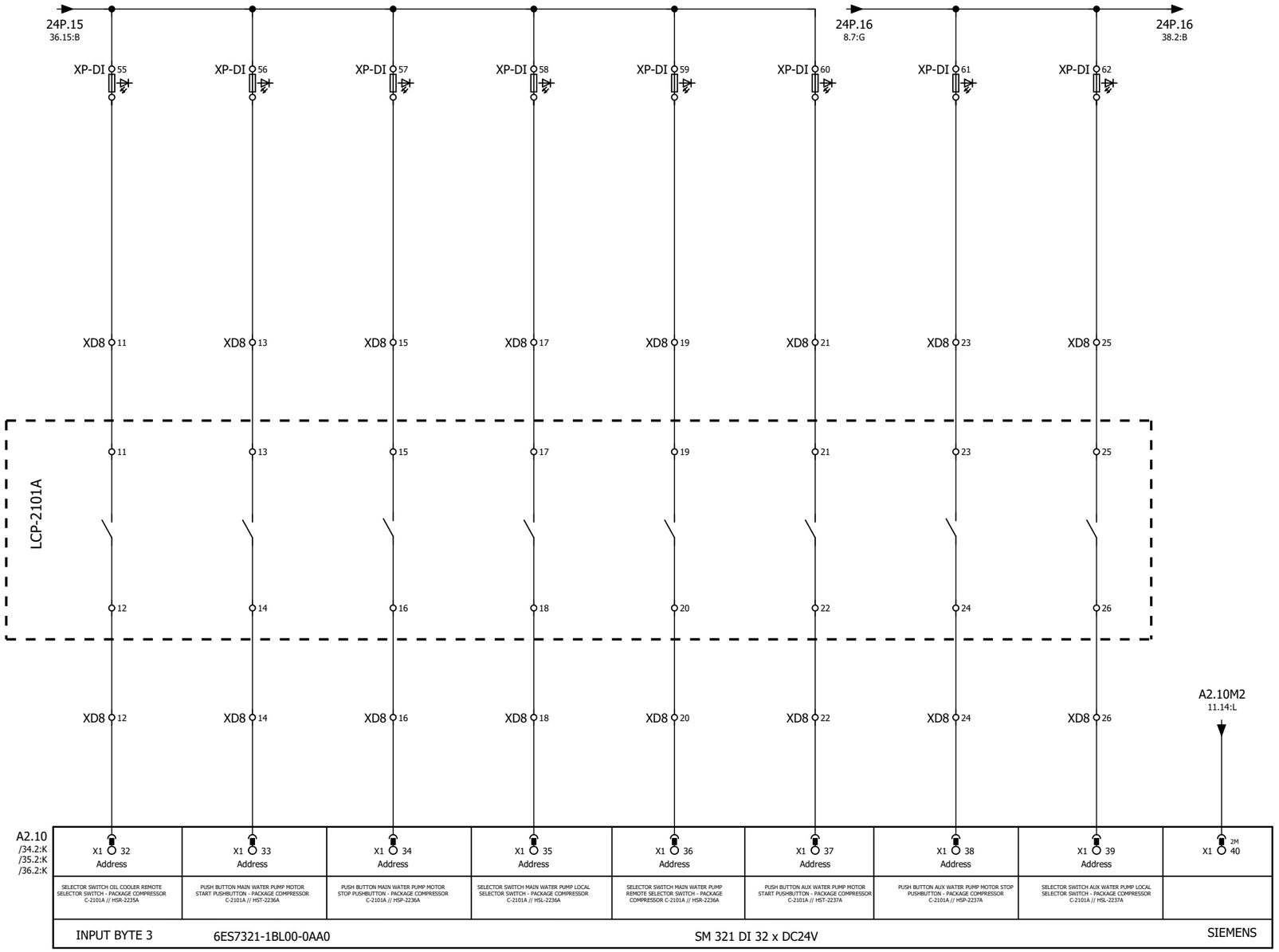
KwangShin Reputable Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



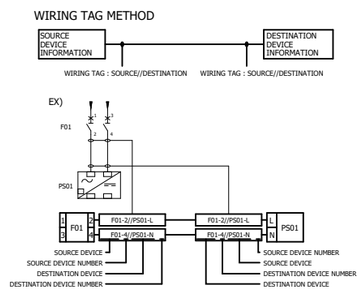
GENERAL NOTES

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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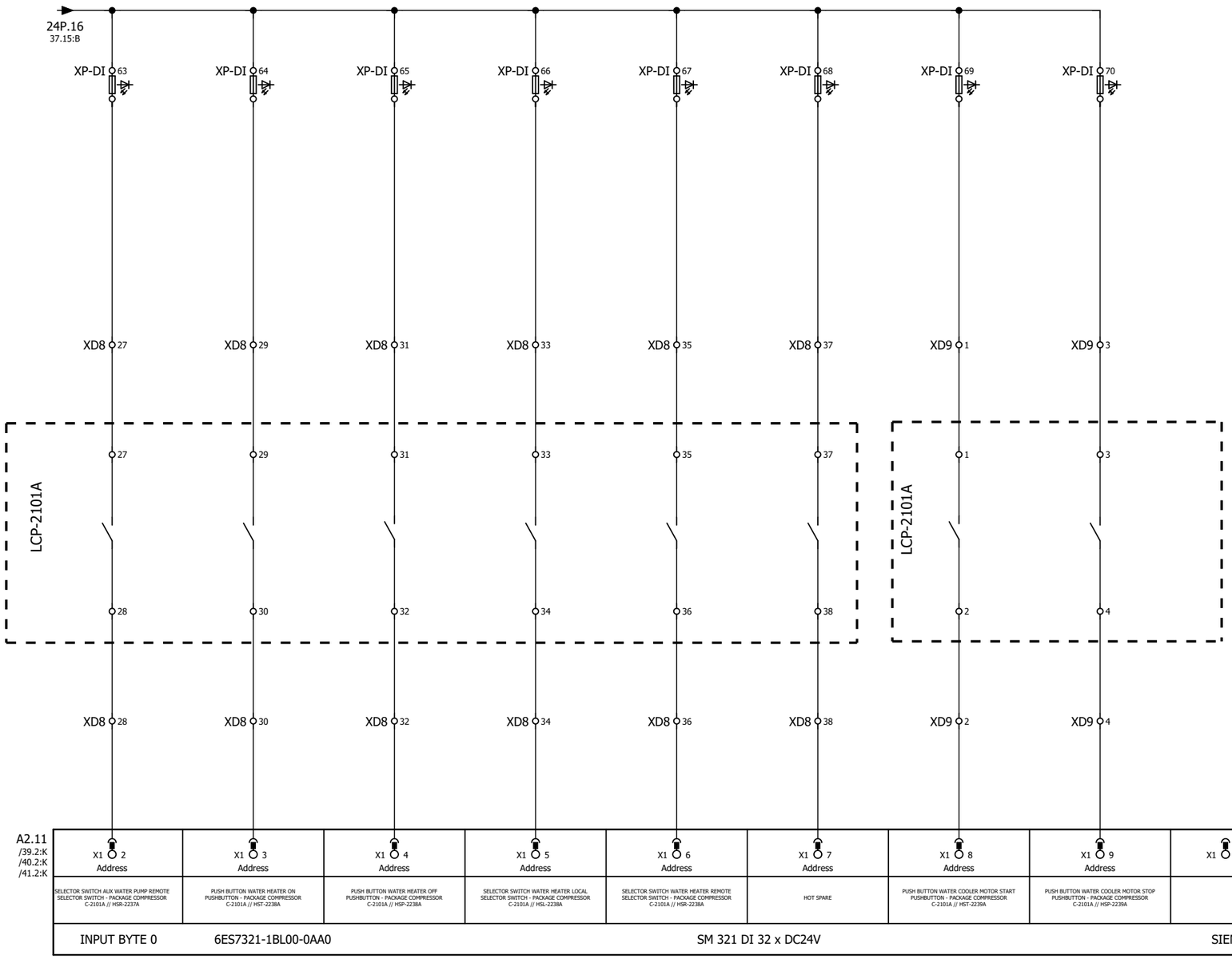
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PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.11
/39.2:K
/40.2:K
/41.2:K

X1 2 Address	X1 3 Address	X1 4 Address	X1 5 Address	X1 6 Address	X1 7 Address	X1 8 Address	X1 9 Address	X1 10
SELECTOR SWITCH AUX WATER PUMP REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101A // HSR-2237A	PUSH BUTTON WATER HEATER ON PUSHBUTTON - PACKAGE COMPRESSOR C-2101A // HST-2238A	PUSH BUTTON WATER HEATER OFF PUSHBUTTON - PACKAGE COMPRESSOR C-2101A // HSP-2238A	SELECTOR SWITCH WATER HEATER LOCAL SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101A // HSL-2238A	SELECTOR SWITCH WATER HEATER REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101A // HSR-2238A	HOT SPARE	PUSH BUTTON WATER COOLER MOTOR START PUSHBUTTON - PACKAGE COMPRESSOR C-2101A // HST-2239A	PUSH BUTTON WATER COOLER MOTOR STOP PUSHBUTTON - PACKAGE COMPRESSOR C-2101A // HSP-2239A	

INPUT BYTE 0 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

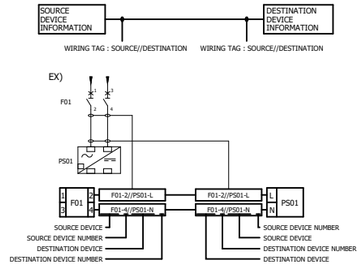
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
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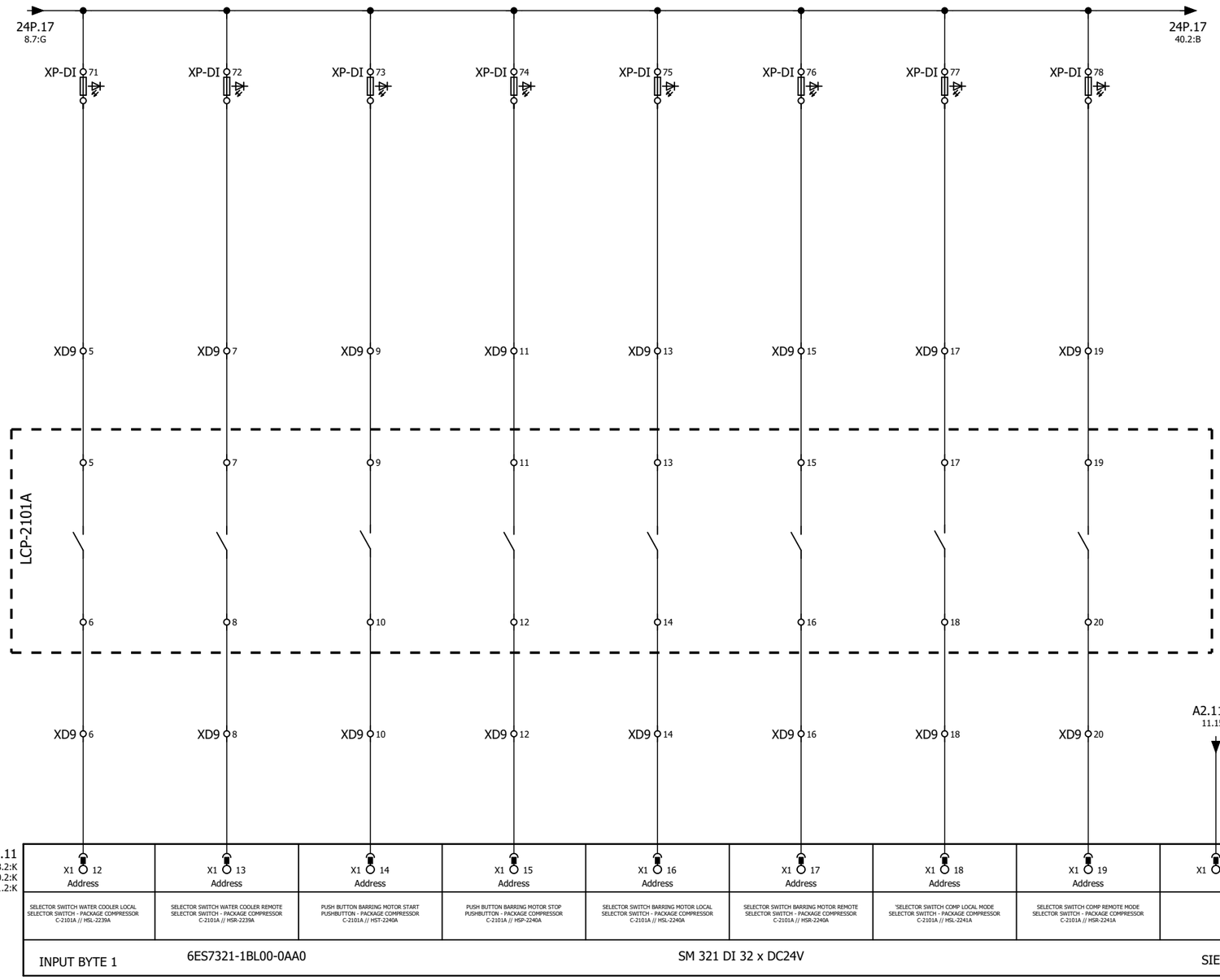
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	40 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



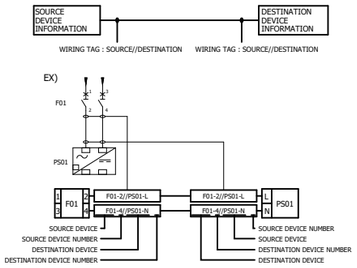
GENERAL NOTES

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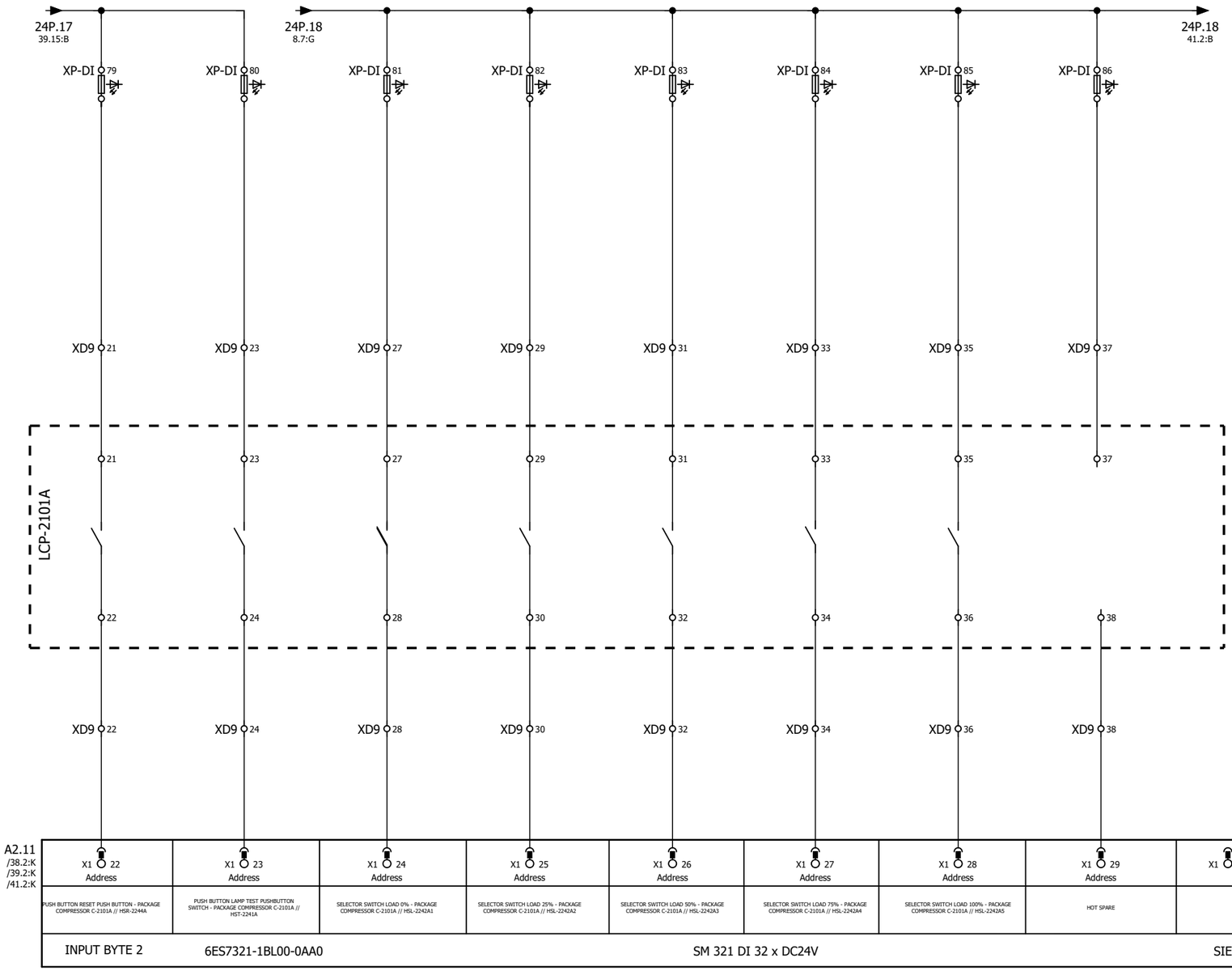
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	41 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.11
/38.2:K
/39.2:K
/41.2:K

X1 22	X1 23	X1 24	X1 25	X1 26	X1 27	X1 28	X1 29	X1 30
Address	Address	Address	Address	Address	Address	Address	Address	
PUSH BUTTON RESET PUSH BUTTON - PACKAGE COMPRESSOR C-2101A // HSR-2244A	PUSH BUTTON LAMP TEST PUSHBUTTON SWITCH - PACKAGE COMPRESSOR C-2101A // HST-2241A	SELECTOR SWITCH LOAD 0% - PACKAGE COMPRESSOR C-2101A // HSL-2242A1	SELECTOR SWITCH LOAD 25% - PACKAGE COMPRESSOR C-2101A // HSL-2242A2	SELECTOR SWITCH LOAD 50% - PACKAGE COMPRESSOR C-2101A // HSL-2242A3	SELECTOR SWITCH LOAD 75% - PACKAGE COMPRESSOR C-2101A // HSL-2242A4	SELECTOR SWITCH LOAD 100% - PACKAGE COMPRESSOR C-2101A // HSL-2242A5	HOT SPARE	
INPUT BYTE 2	6ES7321-1BL00-0AA0			SM 321 DI 32 x DC24V				SIEMENS

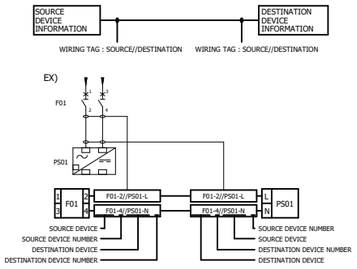
GENERAL NOTES

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V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.
V00	*******	*******	*******	*******	*******
		AUT.			

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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APPROVED FOR CONSTRUCTION	BY:	DATE:

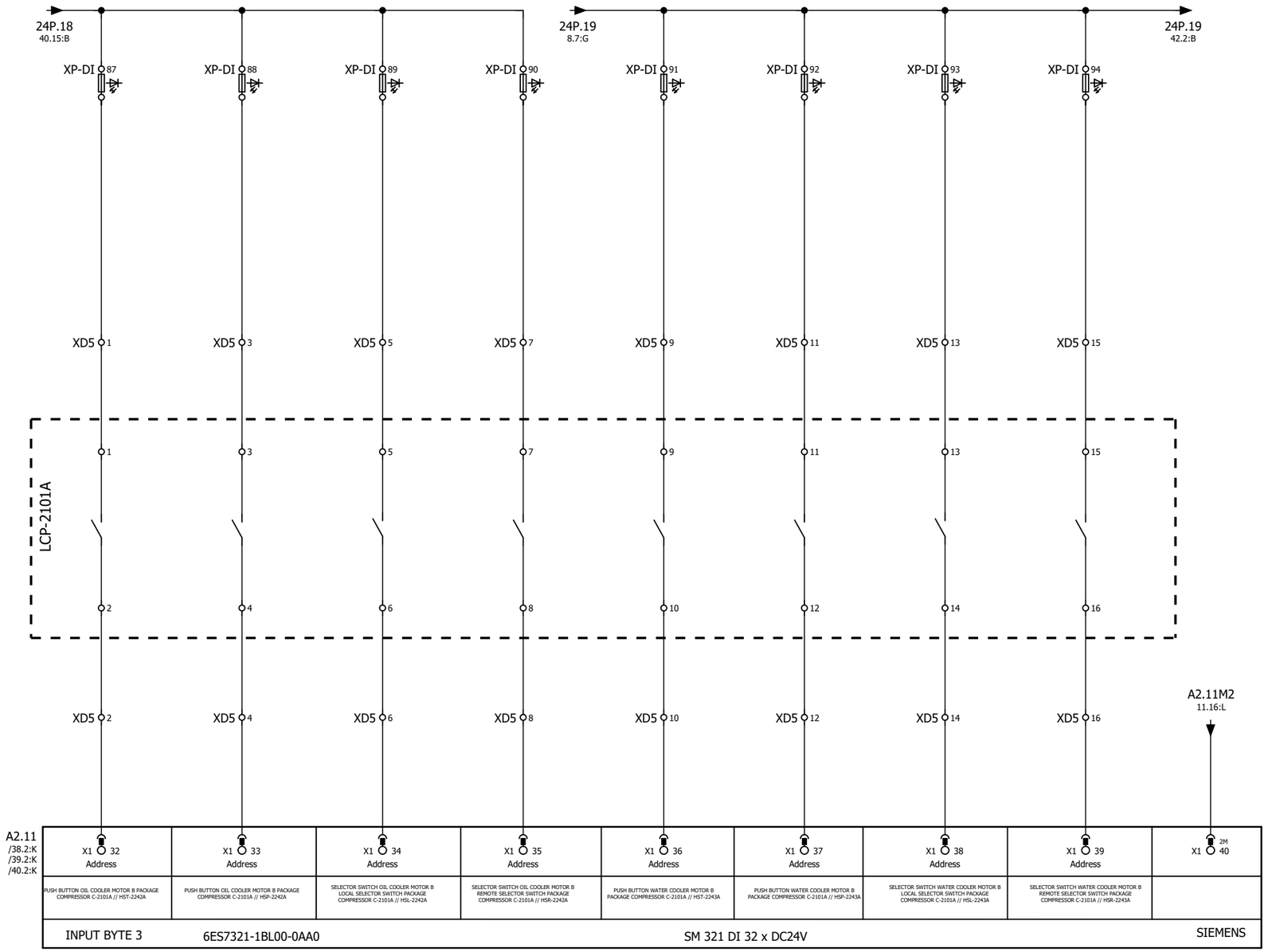
HAVAYAR

KwangShin Reputable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	42 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



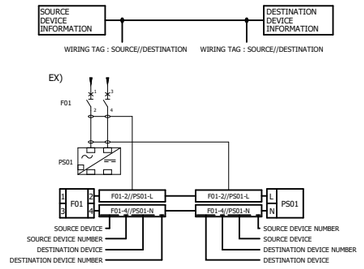
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
		P.O.I.S	PREP.	CHK.	APPR.
V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE				

V00	*******	*******	*******	*******	*******
Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE

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PROJECT NO.:	971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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APPROVED FOR CONSTRUCTION	BY:	DATE:

HAVAYAR

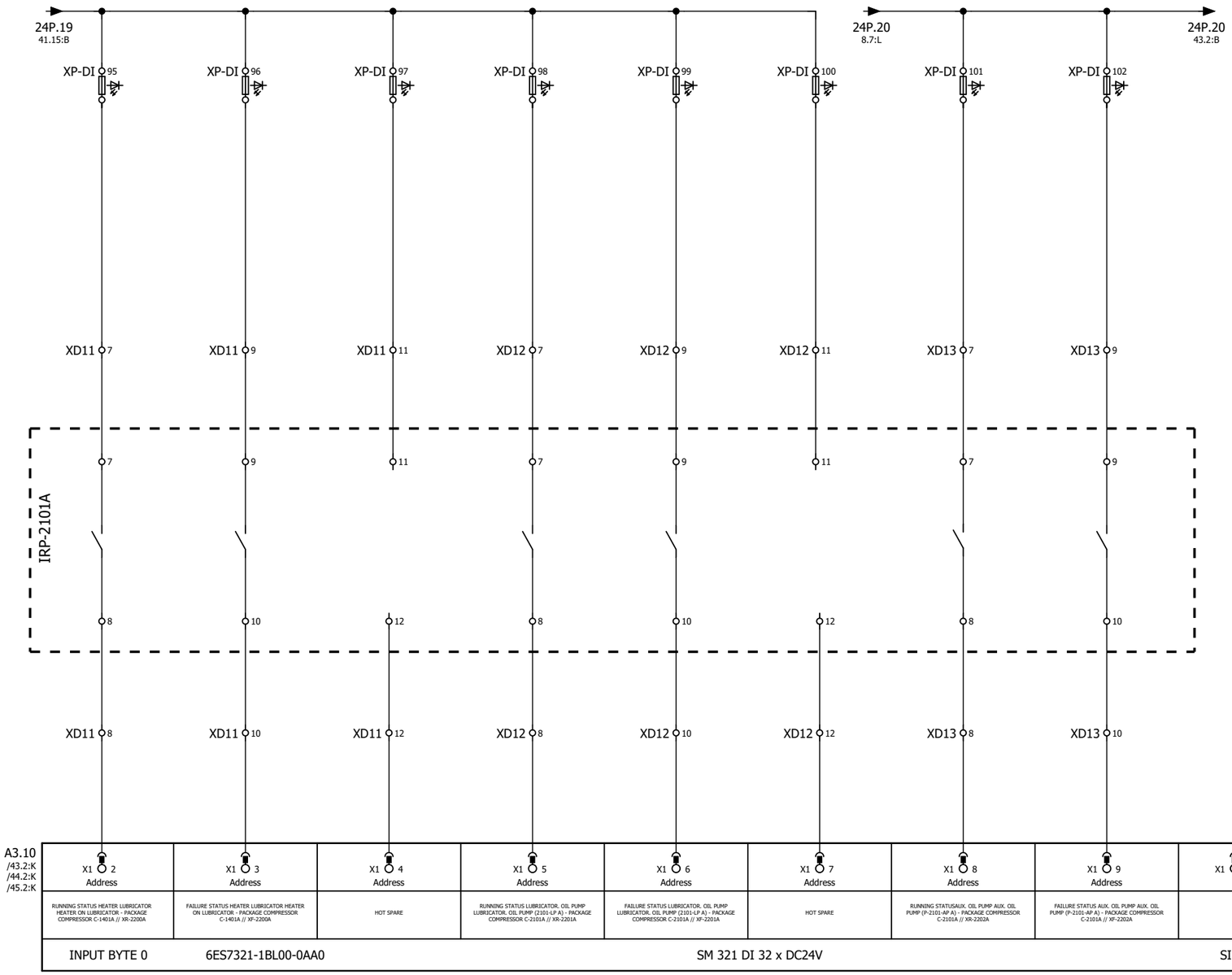
KwangShin Dependable Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	43 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A3.10 /43.2:K /44.2:K /45.2:K								
X1 2 Address	X1 3 Address	X1 4 Address	X1 5 Address	X1 6 Address	X1 7 Address	X1 8 Address	X1 9 Address	X1 10
RUNNING STATUS HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401A // XR-2200A	FAILURE STATUS HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401A // XF-2200A	HOT SPARE	RUNNING STATUS LUBRICATOR, OIL PUMP LUBRICATOR, OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101A // XR-2201A	FAILURE STATUS LUBRICATOR, OIL PUMP LUBRICATOR, OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101A // XF-2201A	HOT SPARE	RUNNING STATUSAUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101A // XR-2202A	FAILURE STATUS AUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101A // XF-2202A	
INPUT BYTE 0	6ES7321-1BL00-0AA0		SM 321 DI 32 x DC24V					SIEMENS

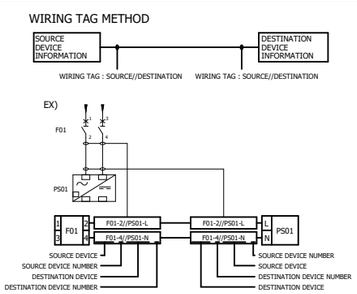
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.

V00	********	*******	*******	*******	*******
Rev.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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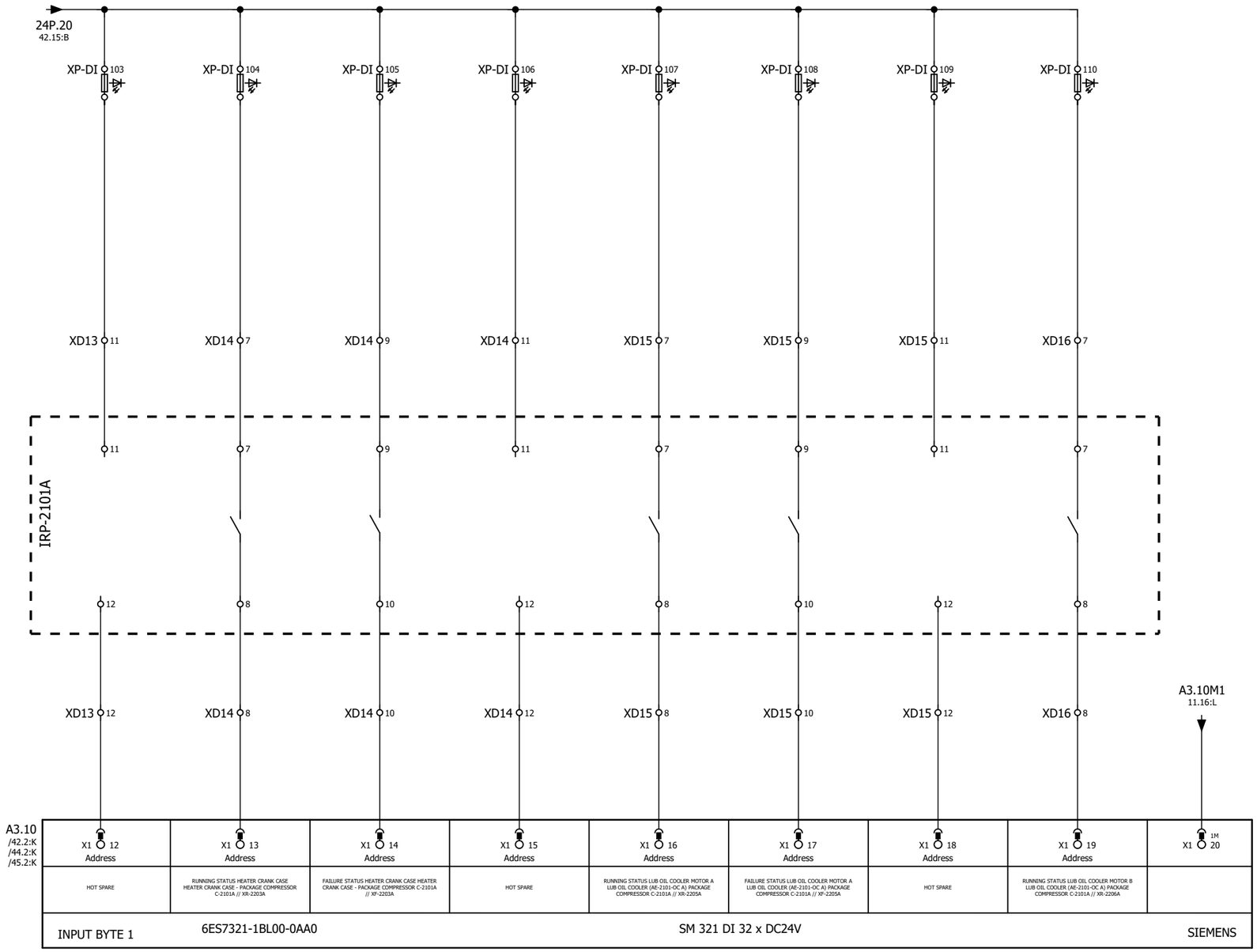
KwangShin Reliable Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	44 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



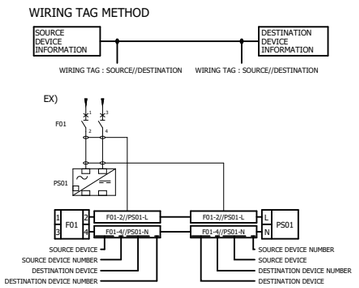
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

V00 ******* ******* ******* ******* *******

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AUT.

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES
GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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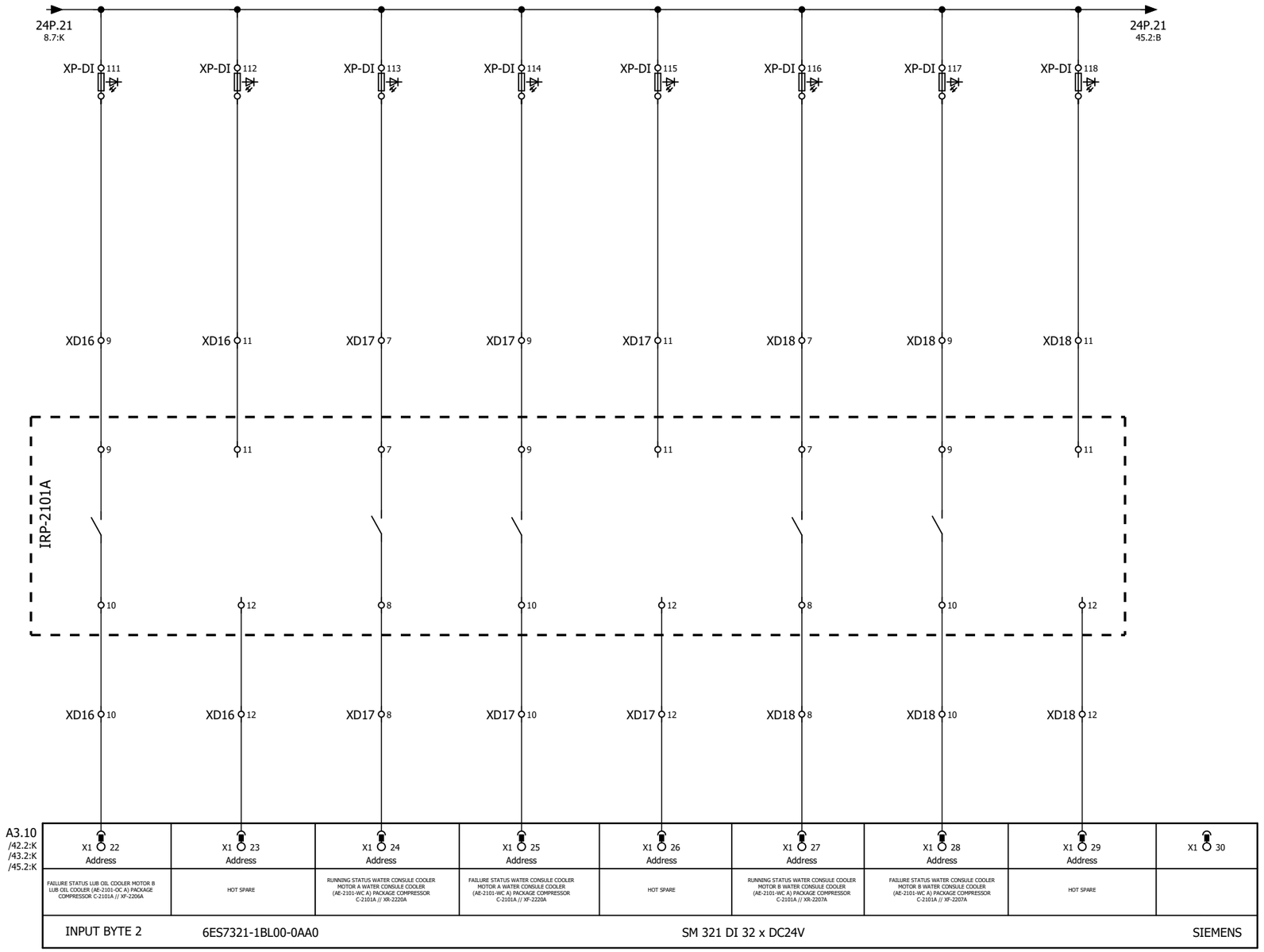
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE:
PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	45 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



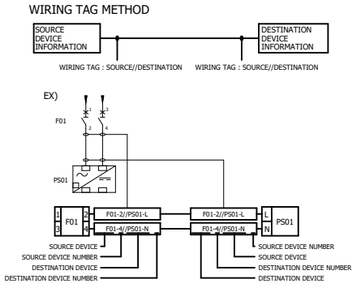
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V00	*******	*******	*******	*******	*******
		CHECKED		REV. APPR.	

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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BINAK OILFIELD DEVELOPMENT
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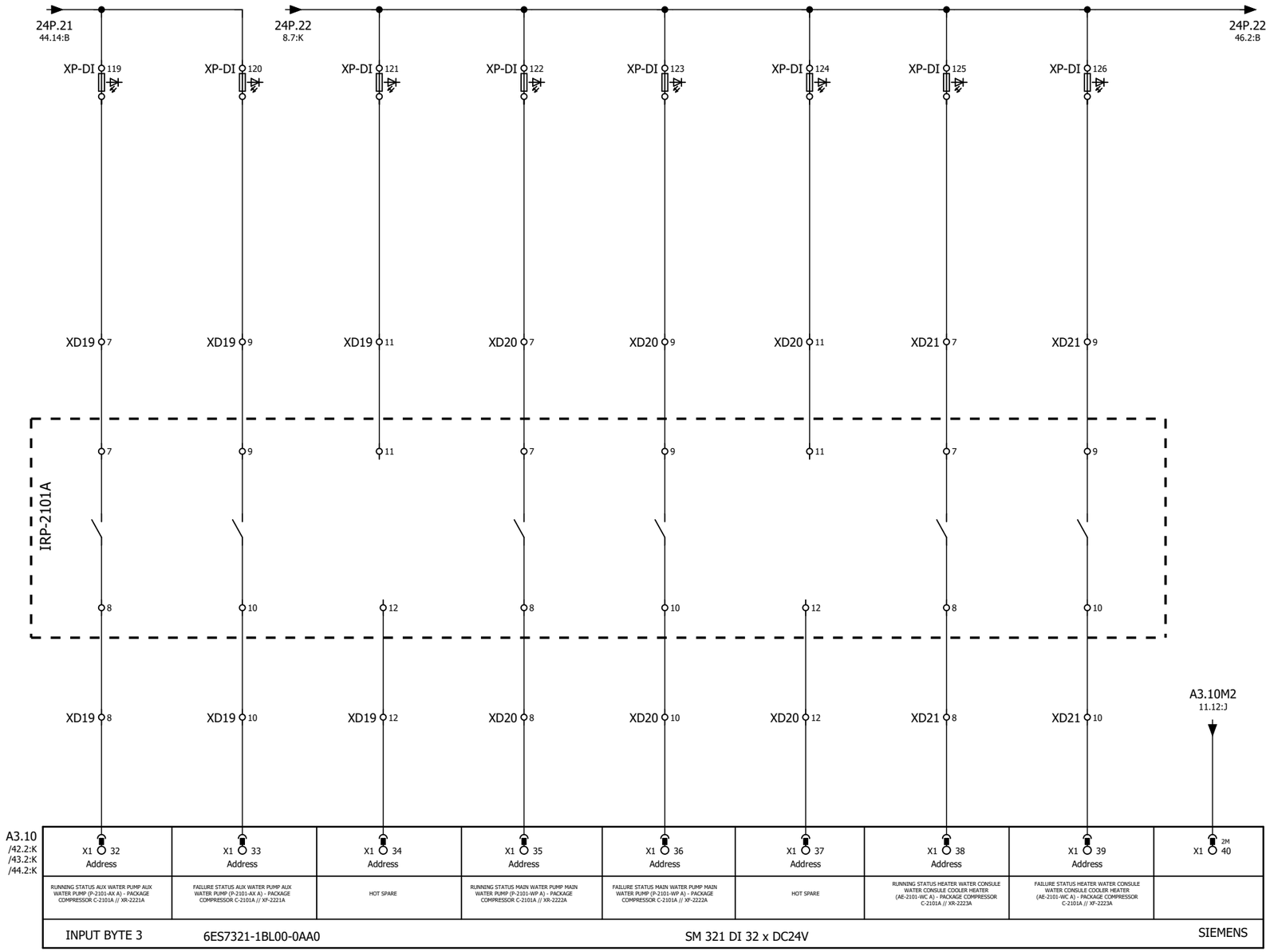
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	46 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



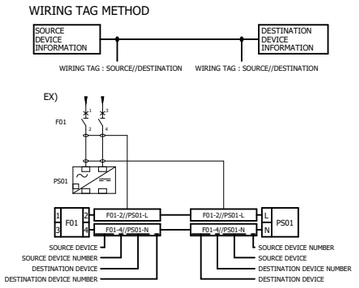
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V00	*******	*******	*******	*******	*******
V01					
V02					
V03					

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

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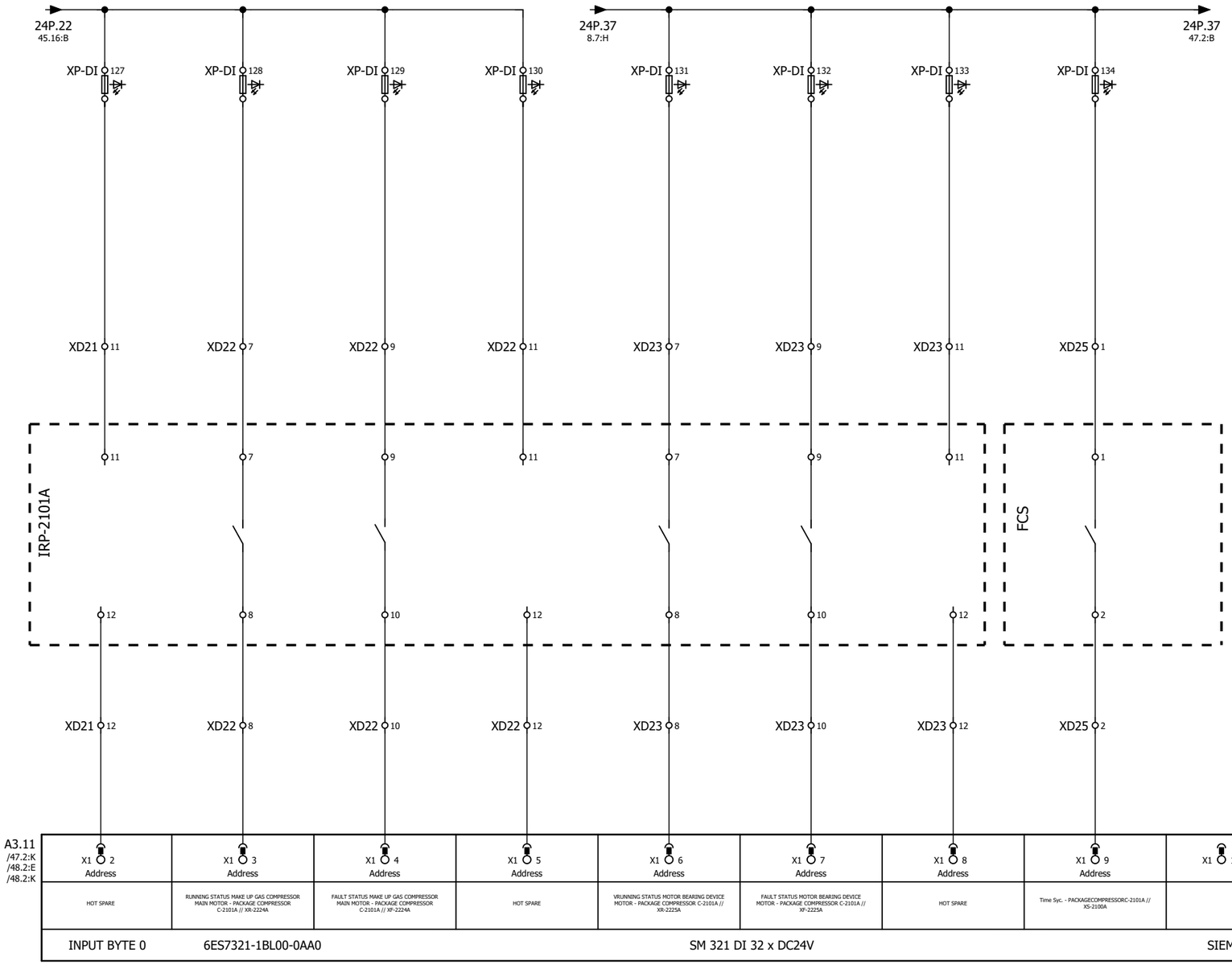
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	47 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



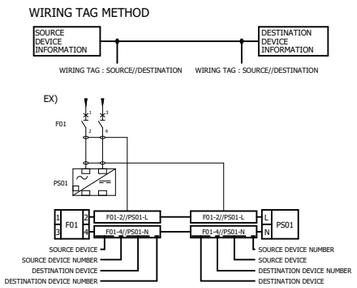
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
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V00 ******* ******* ******* ******* *******

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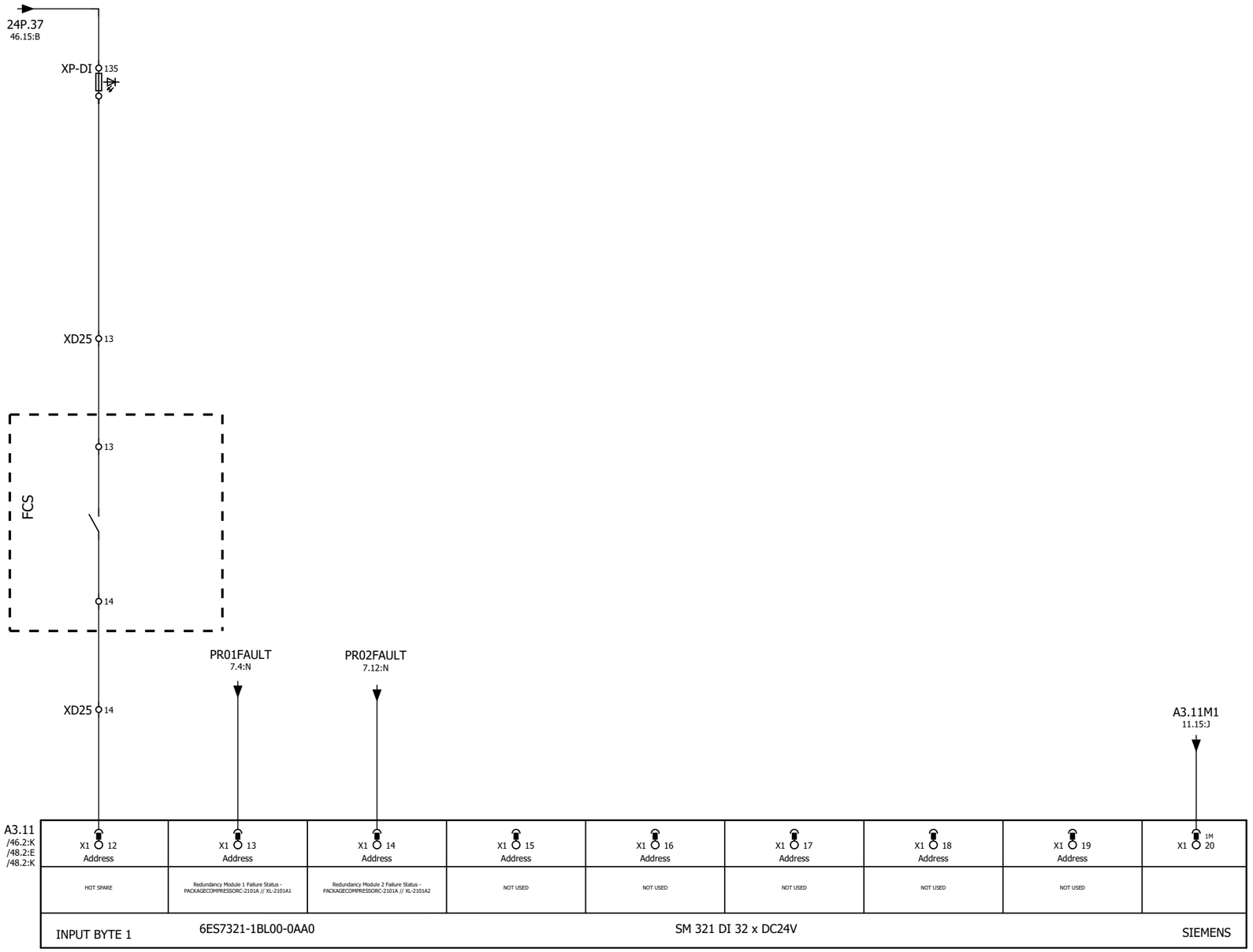
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	48 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



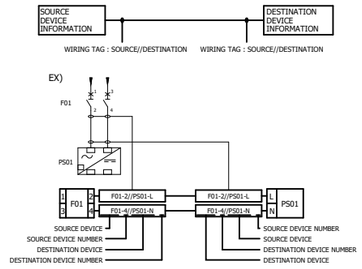
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	CHECKED BY	DATE	REV. APPR. BY	DATE
V00	*******	*******	*******	*******	*******	*******	*******

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KwangShin Reciprocating Compressors

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PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	49 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A3.11
/46.2:K
/47.2:K
/48.2:K

X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30
NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	

INPUT BYTE 2 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

A3.11M2
11.16:J

A3.11
/46.2:K
/47.2:K
/48.2:E

X1 32 Address	X1 33 Address	X1 34 Address	X1 35 Address	X1 36 Address	X1 37 Address	X1 38 Address	X1 39 Address	2M X1 40
NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	

INPUT BYTE 3 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

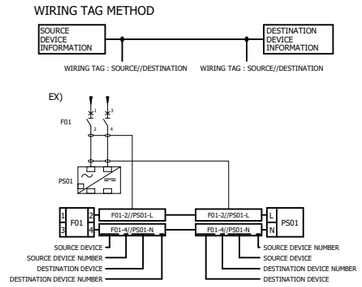
GENERAL NOTES

LEGEND

REFERENCE DRAWING | DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

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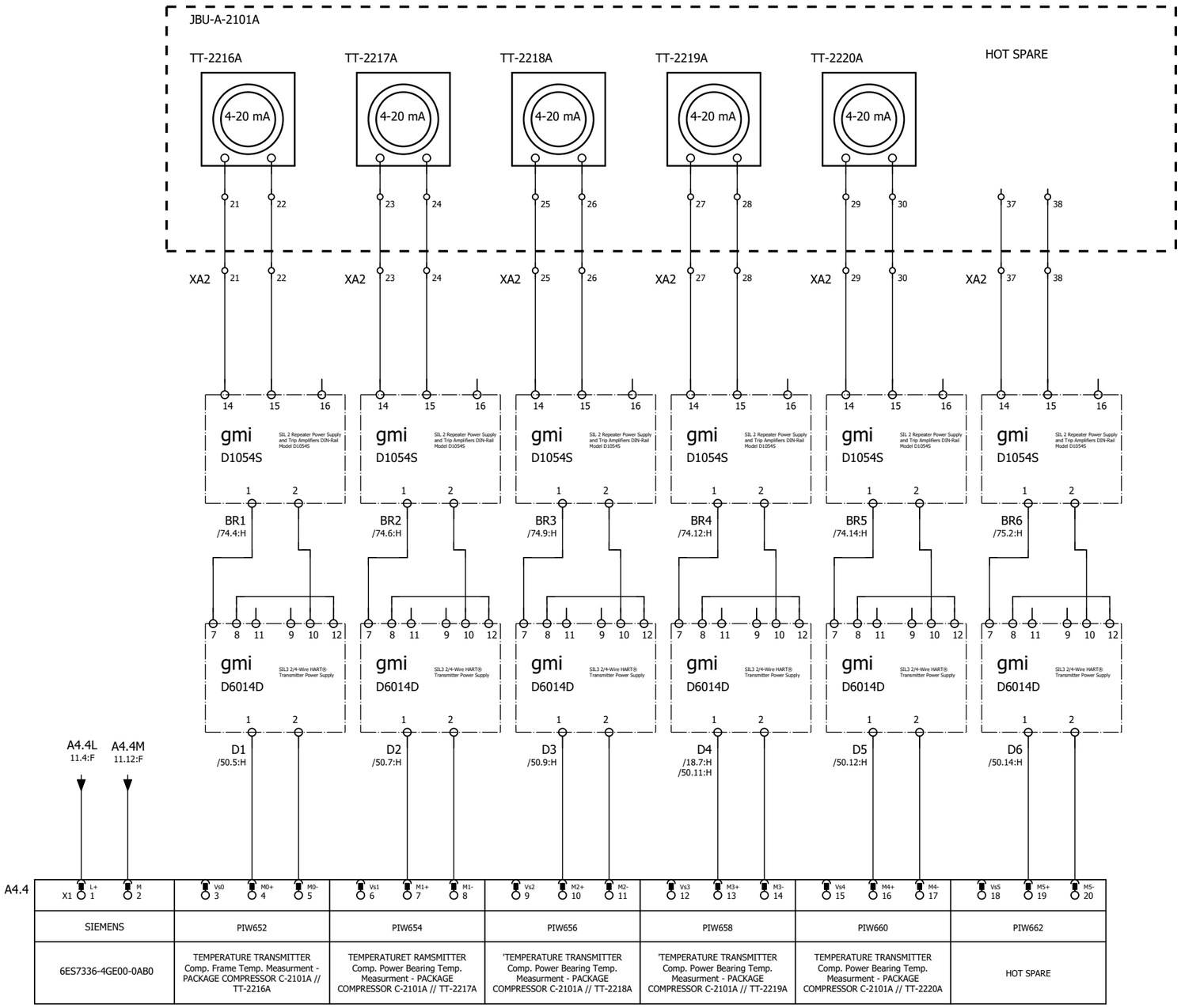
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	50 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654	PIW656	PIW658	PIW660	PIW662
6ES7336-4GE00-0AB0	TEMPERATURE TRANSMITTER Comp. Frame Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2216A	TEMPERATURET RAMSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2217A	'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2218A	'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2219A	TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2220A	HOT SPARE

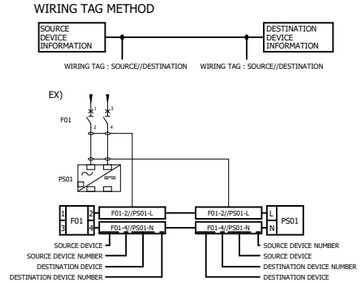
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	CHECKED		REV. APPR.	
		BY	DATE	BY	DATE
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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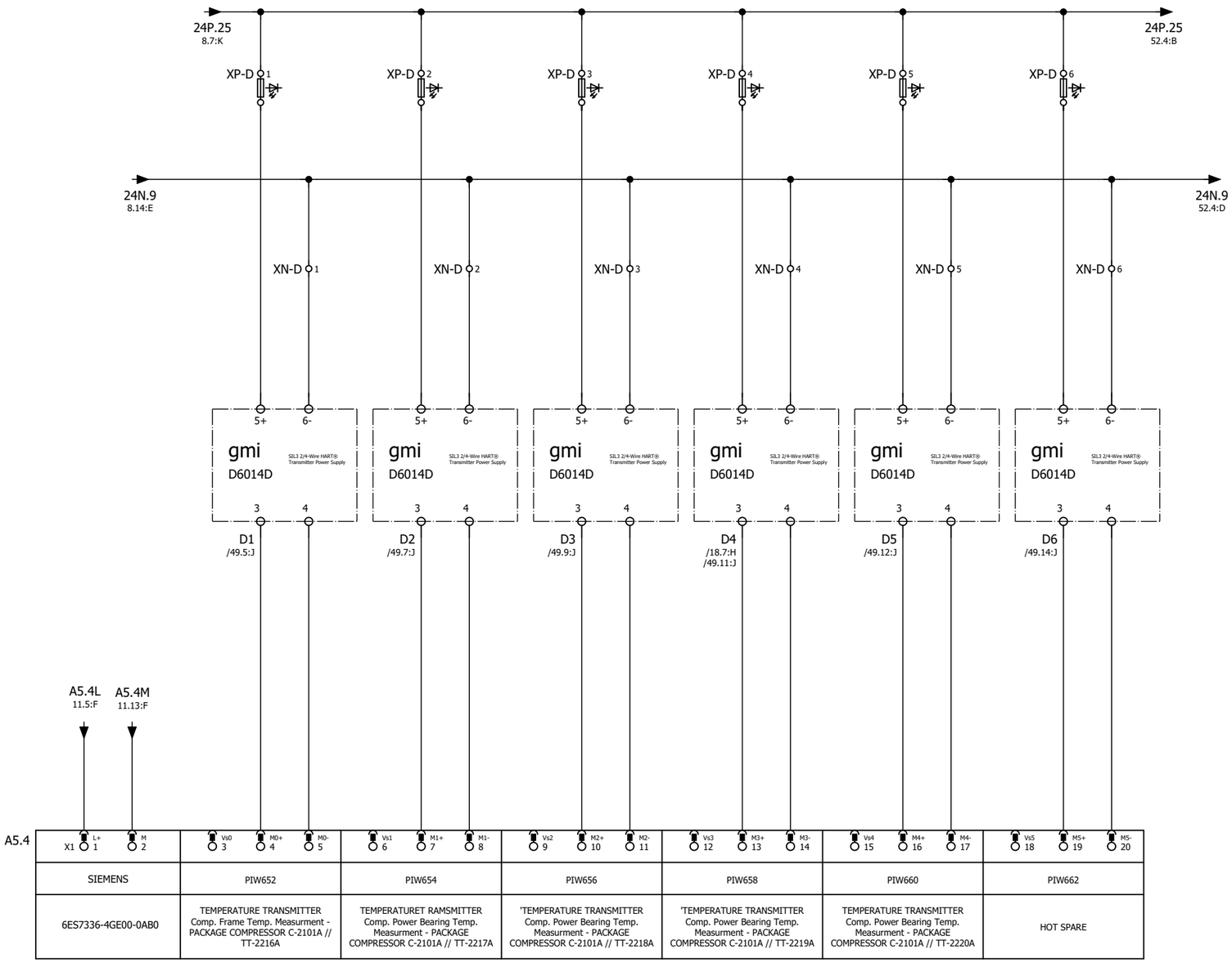
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

HAVAYAR

KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	51 OF 335	00



SIEMENS	PIW652	PIW654	PIW656
6ES7336-4GE00-0AB0	TEMPERATURE TRANSMITTER Comp. Frame Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2216A	TEMPERATURET RAMSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2217A	'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2218A

PIW658	PIW660	PIW662
'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2219A	TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101A // TT-2220A	HOT SPARE

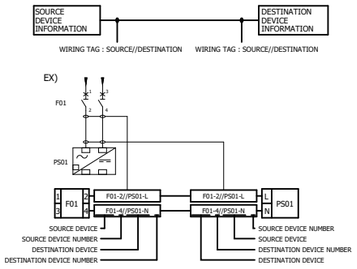
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	*******

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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APPROVED FOR CONSTRUCTION BY: DATE:

HAVAYAR

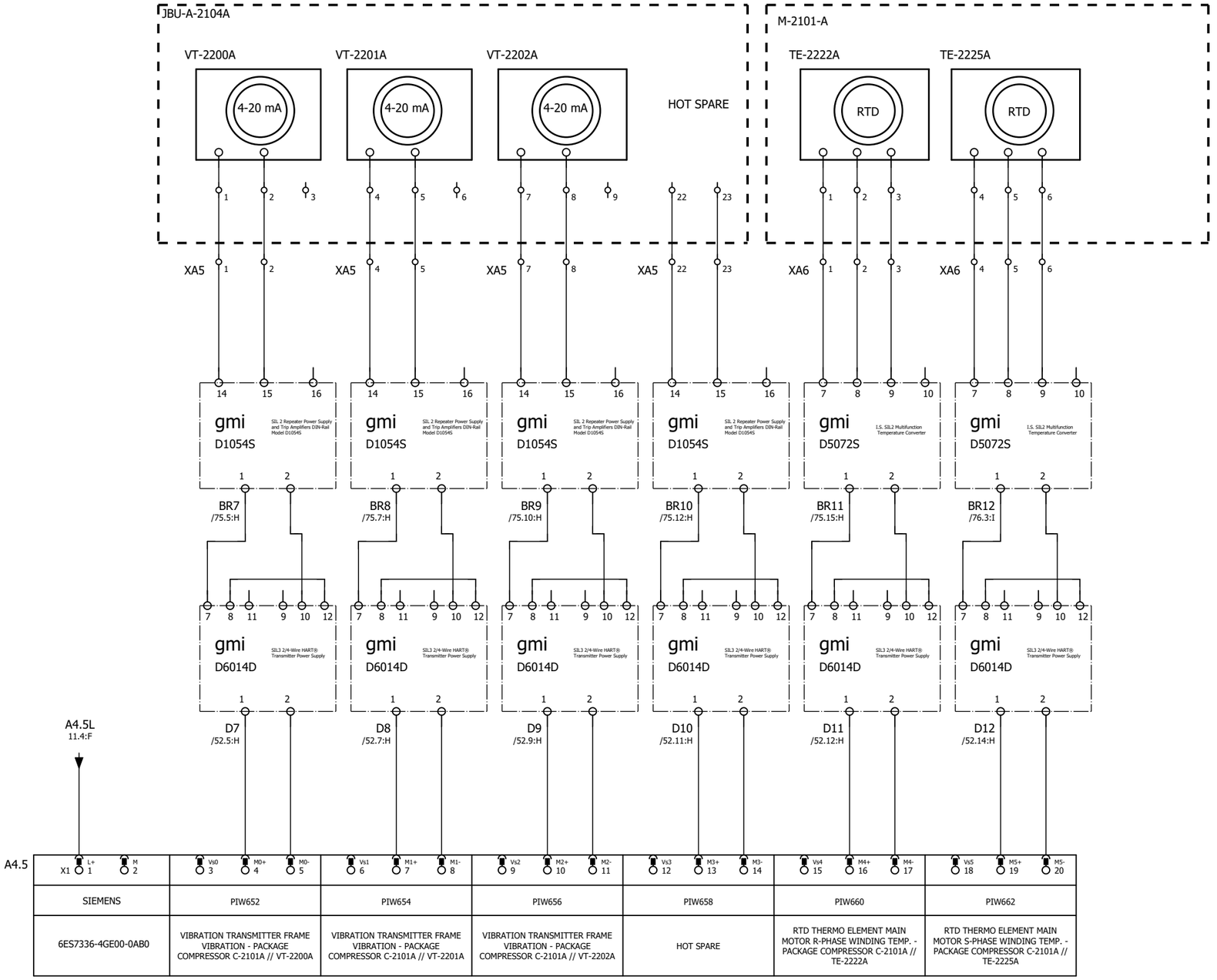
KwangShin Impendable Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	52 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654	PIW656
6ES7336-4GE00-0AB0	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101A // VT-2200A	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101A // VT-2201A	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101A // VT-2202A

PIW658	PIW660	PIW662
HOT SPARE	RTD THERMO ELEMENT MAIN MOTOR R-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101A // TE-2222A	RTD THERMO ELEMENT MAIN MOTOR S-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101A // TE-2225A

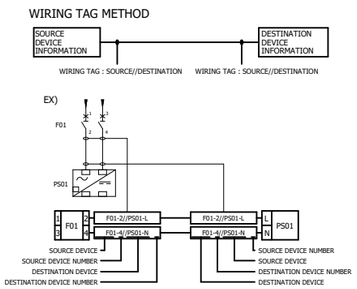
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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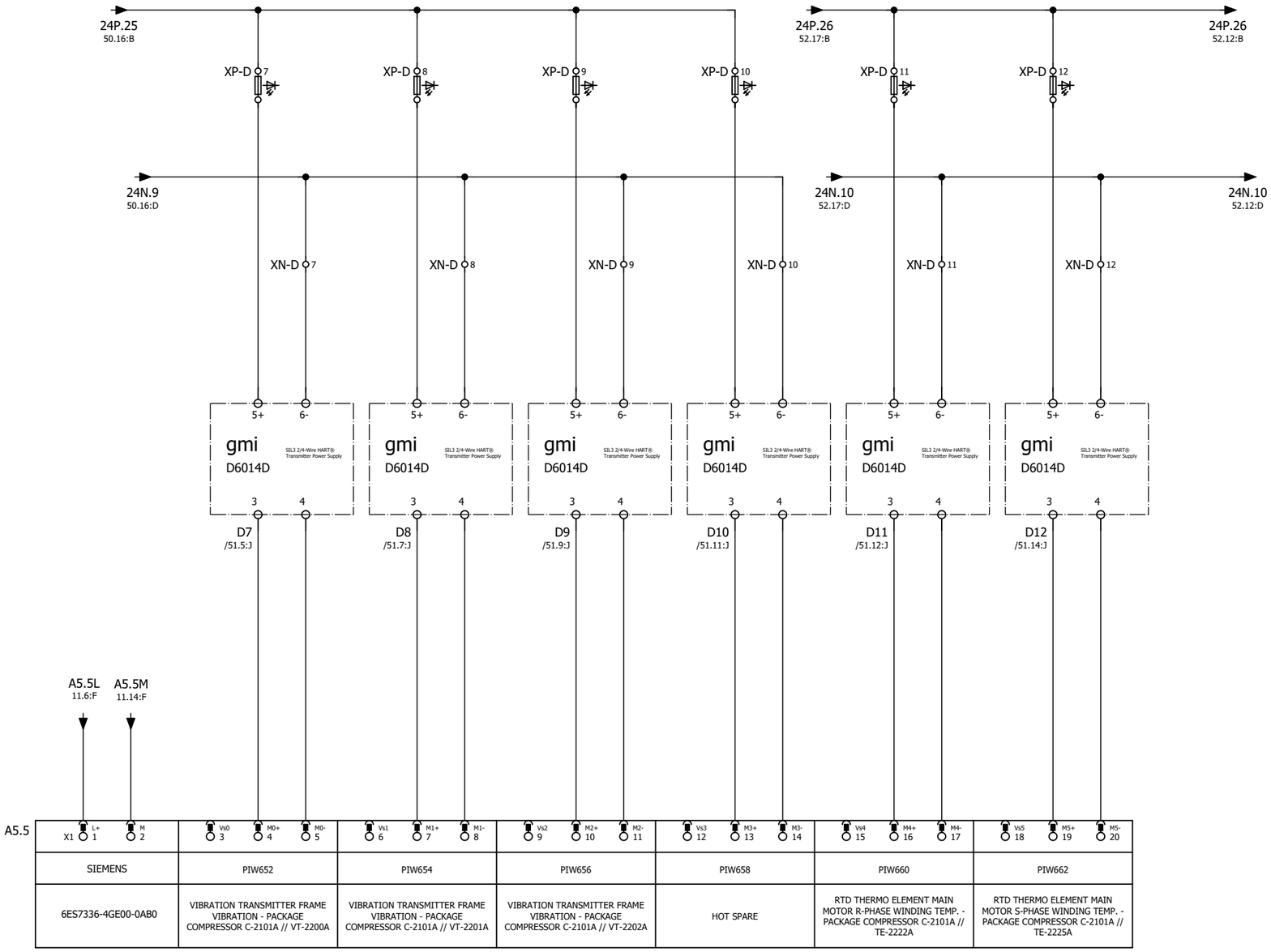
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APPROVED FOR CONSTRUCTION	BY:	DATE:

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	53 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A5.5																				
	X1 1	L+ 1	M 2	Vs0 3	M0+ 4	M0- 5	Vs1 6	M1+ 7	M1- 8	Vs2 9	M2+ 10	M2- 11	Vs3 12	M3+ 13	M3- 14	Vs4 15	M4+ 16	M4- 17	VsS 18	M5+ 19	M5- 20
SIEMENS				PIW652			PIW654			PIW656			PIW658			PIW660			PIW662		
6ES7336-4GE00-0AB0				VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101A // VT-2200A			VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101A // VT-2201A			VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101A // VT-2202A			HOT SPARE			RTD THERMO ELEMENT MAIN MOTOR R-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101A // TE-2222A			RTD THERMO ELEMENT MAIN MOTOR S-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101A // TE-2225A		

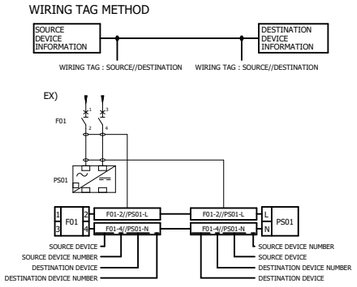
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

V00 ******* ******* ******* ******* *******

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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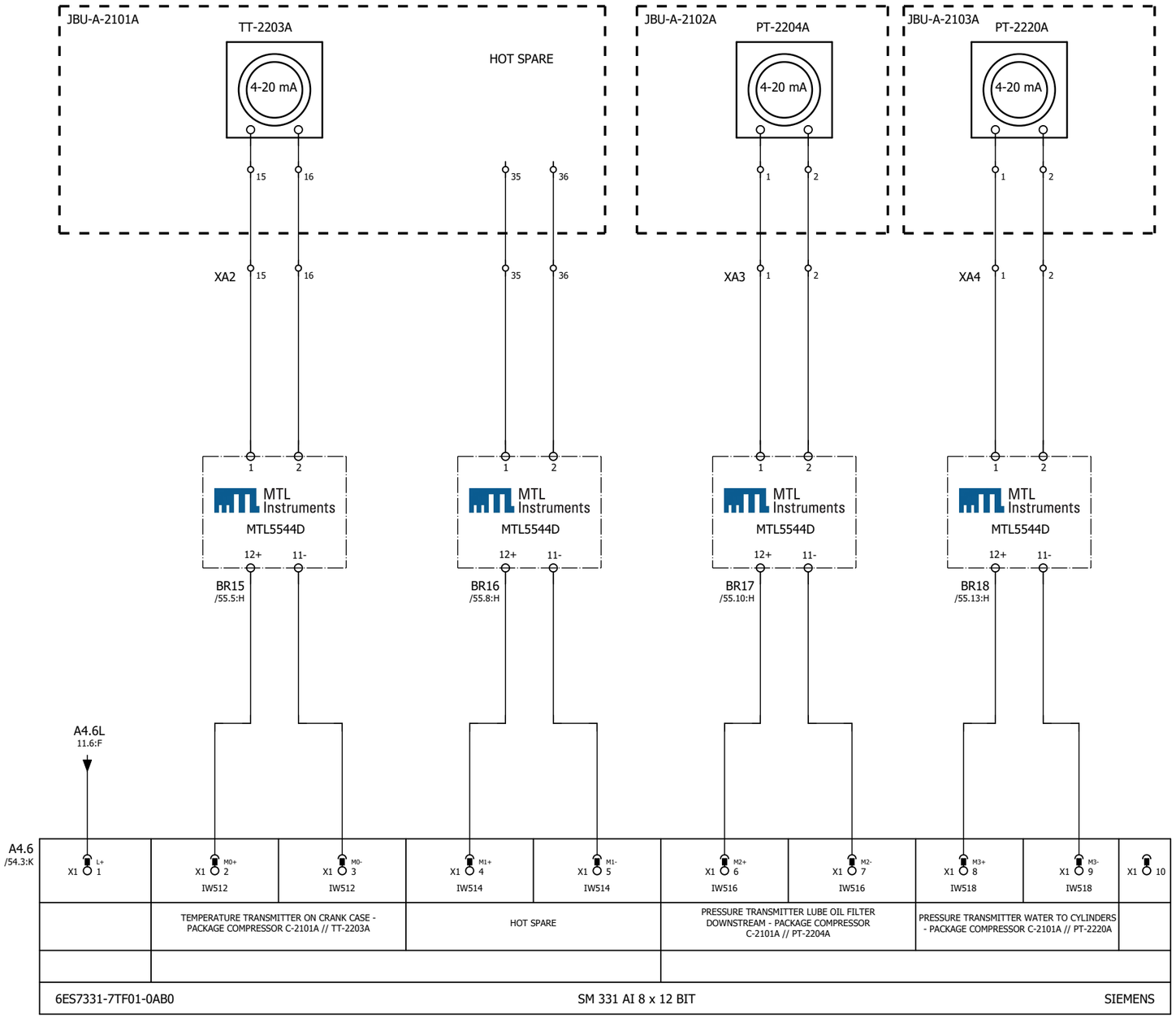
HAVAYAR

KwangShin Reputable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	54 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



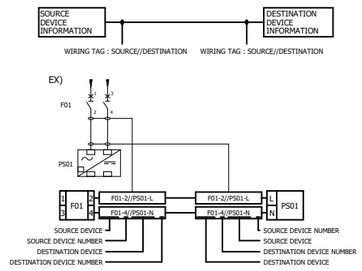
GENERAL NOTES

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PROJECT NO.:	971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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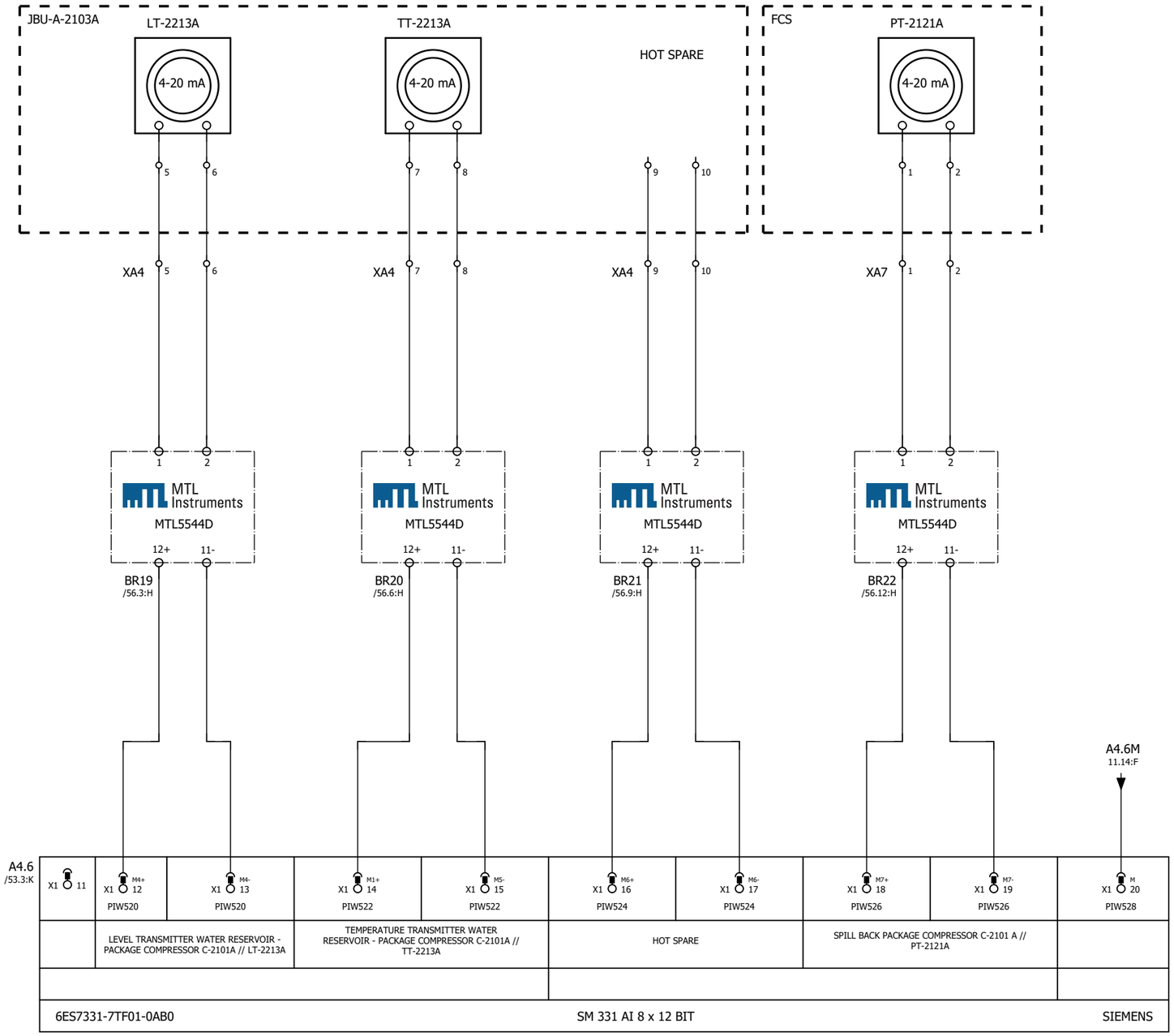
KwangShin Reciprocating Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	55 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



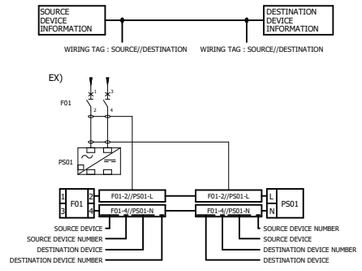
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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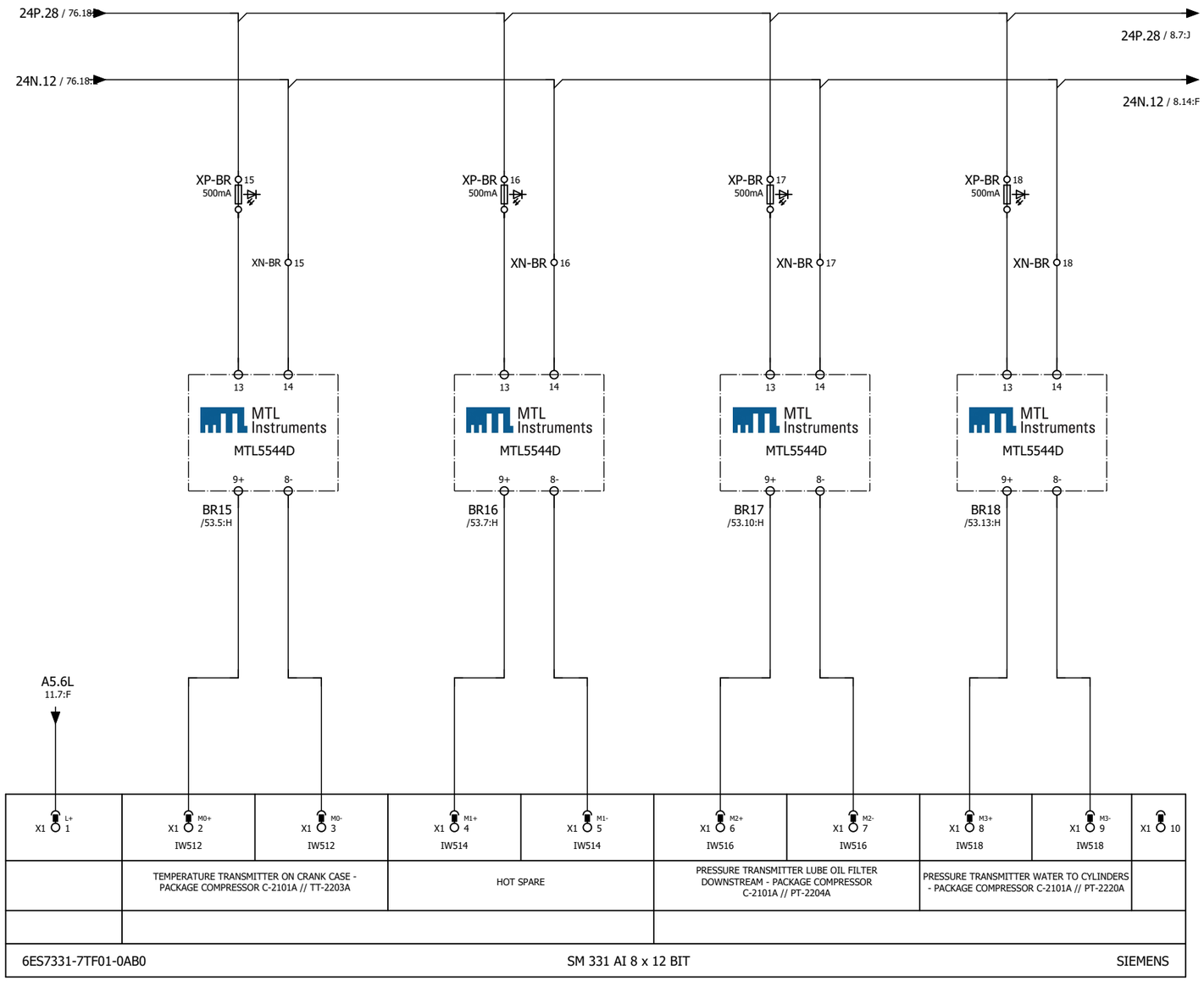
HAVAYAR

KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	56 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



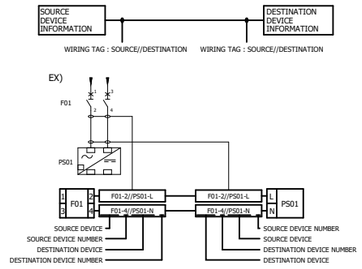
GENERAL NOTES

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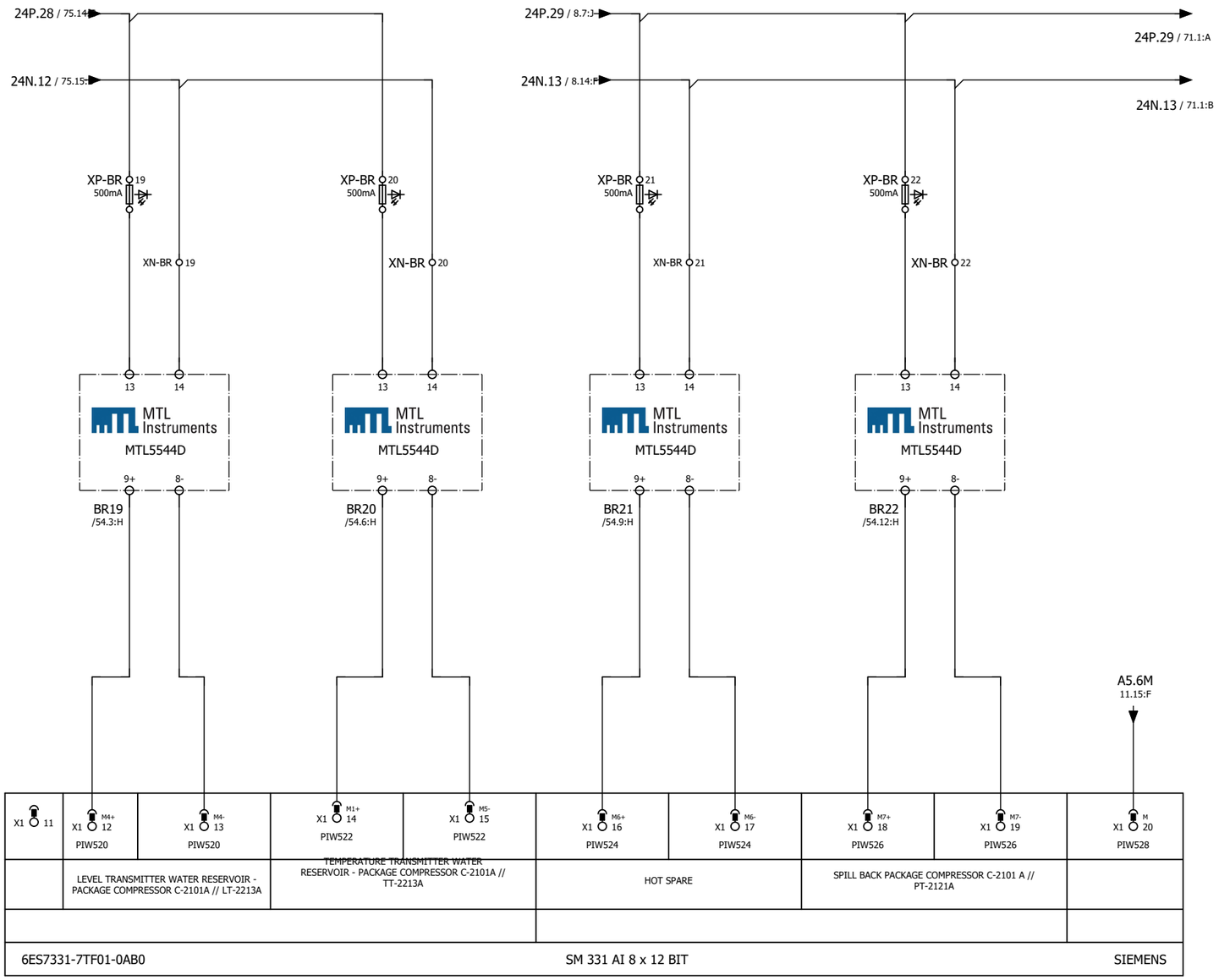
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



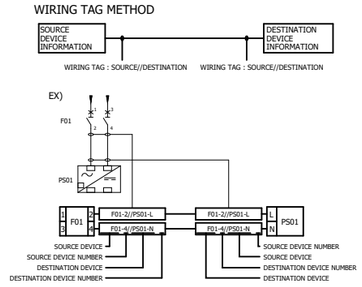
GENERAL NOTES

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SURFACE FACILITIES

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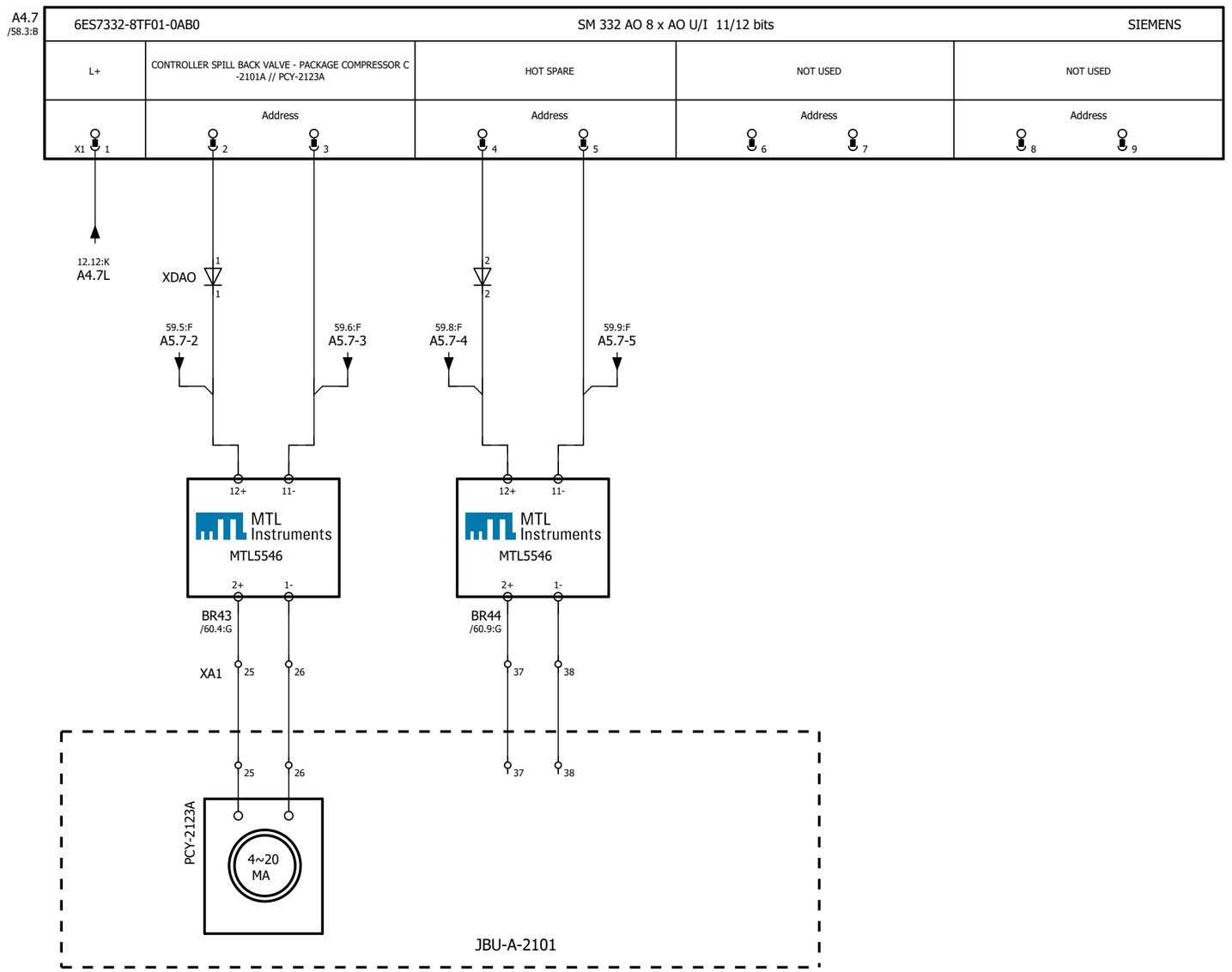
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KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

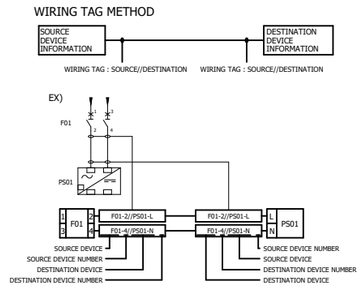


GENERAL NOTES

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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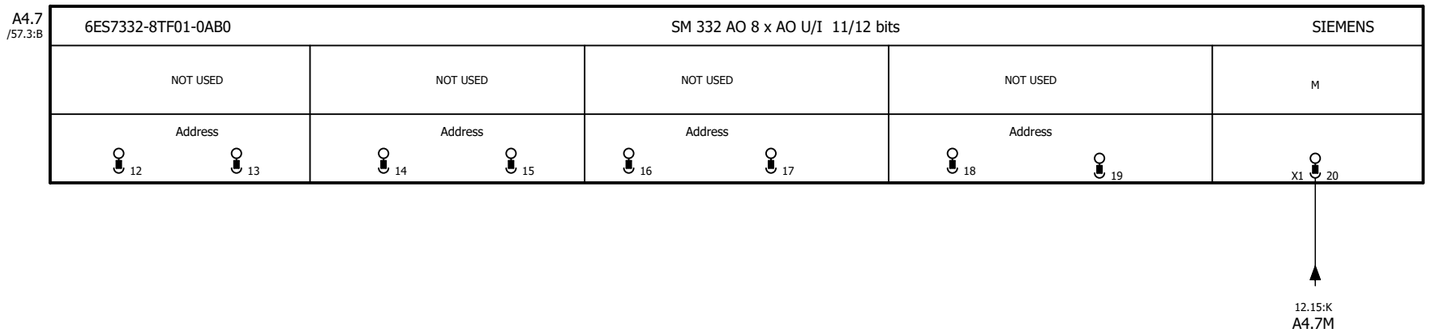
APPROVED FOR CONSTRUCTION	BY:	DATE:

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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	59 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

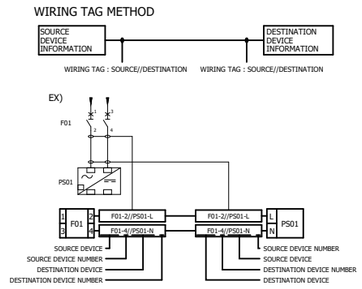


GENERAL NOTES

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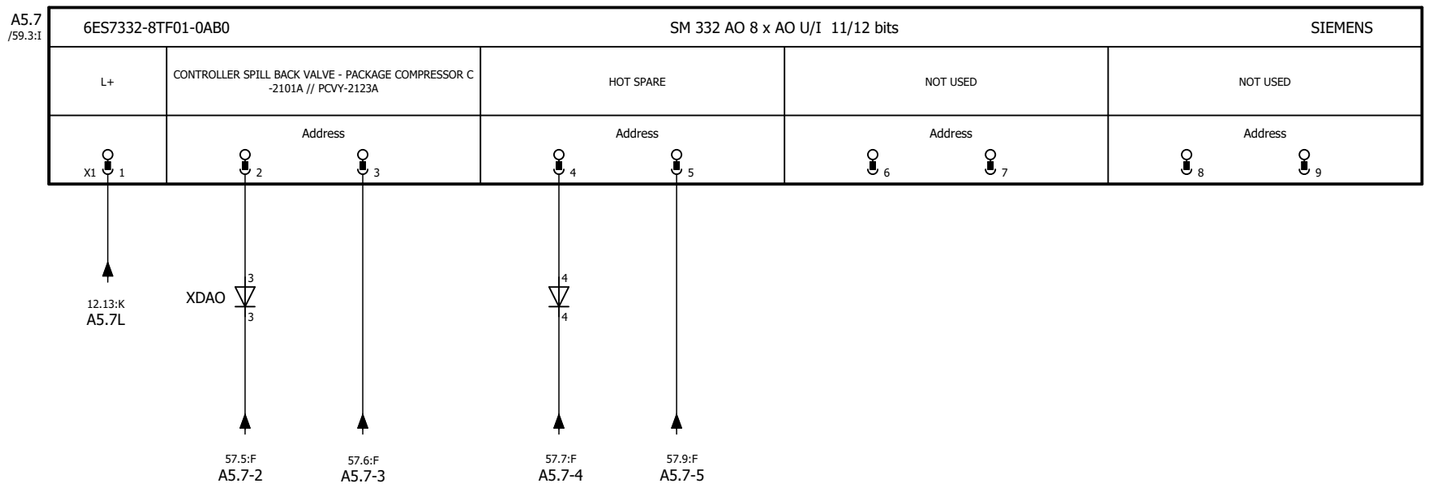
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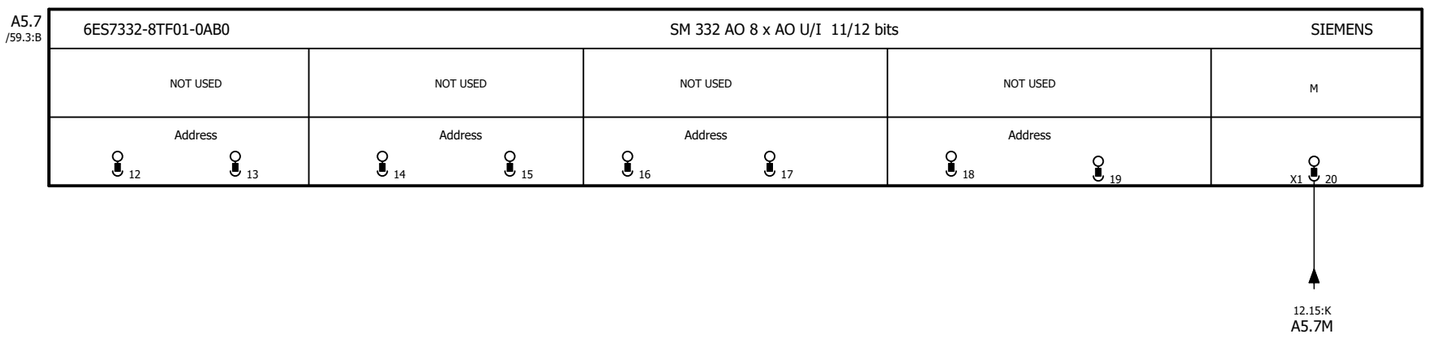
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	60 OF 335	00

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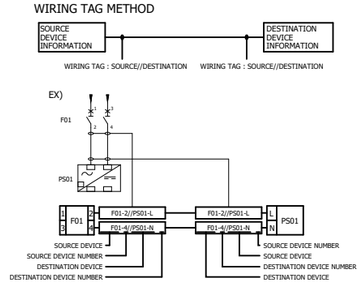
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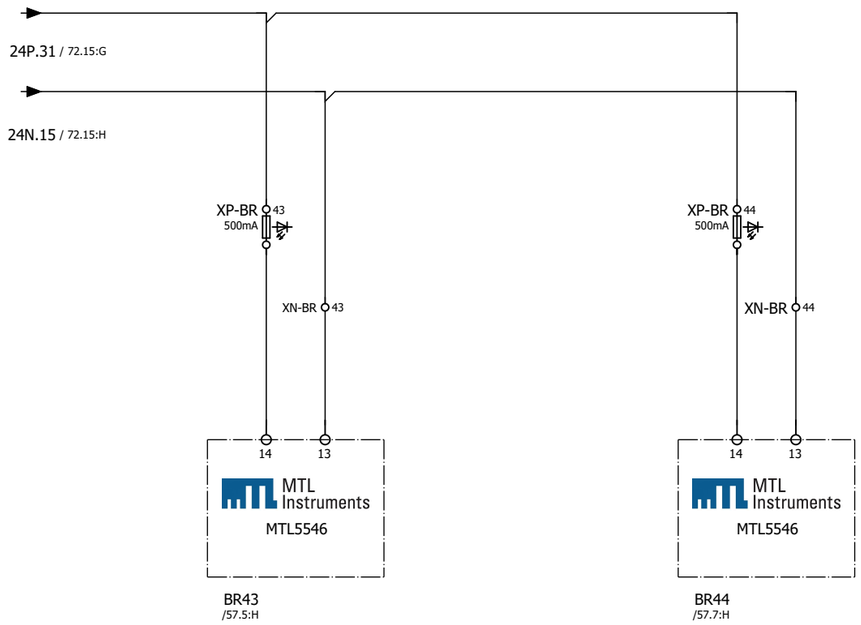
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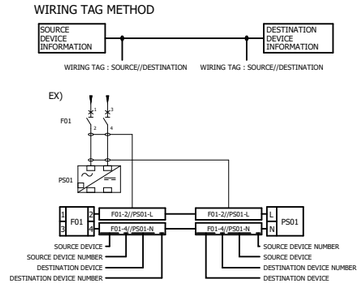
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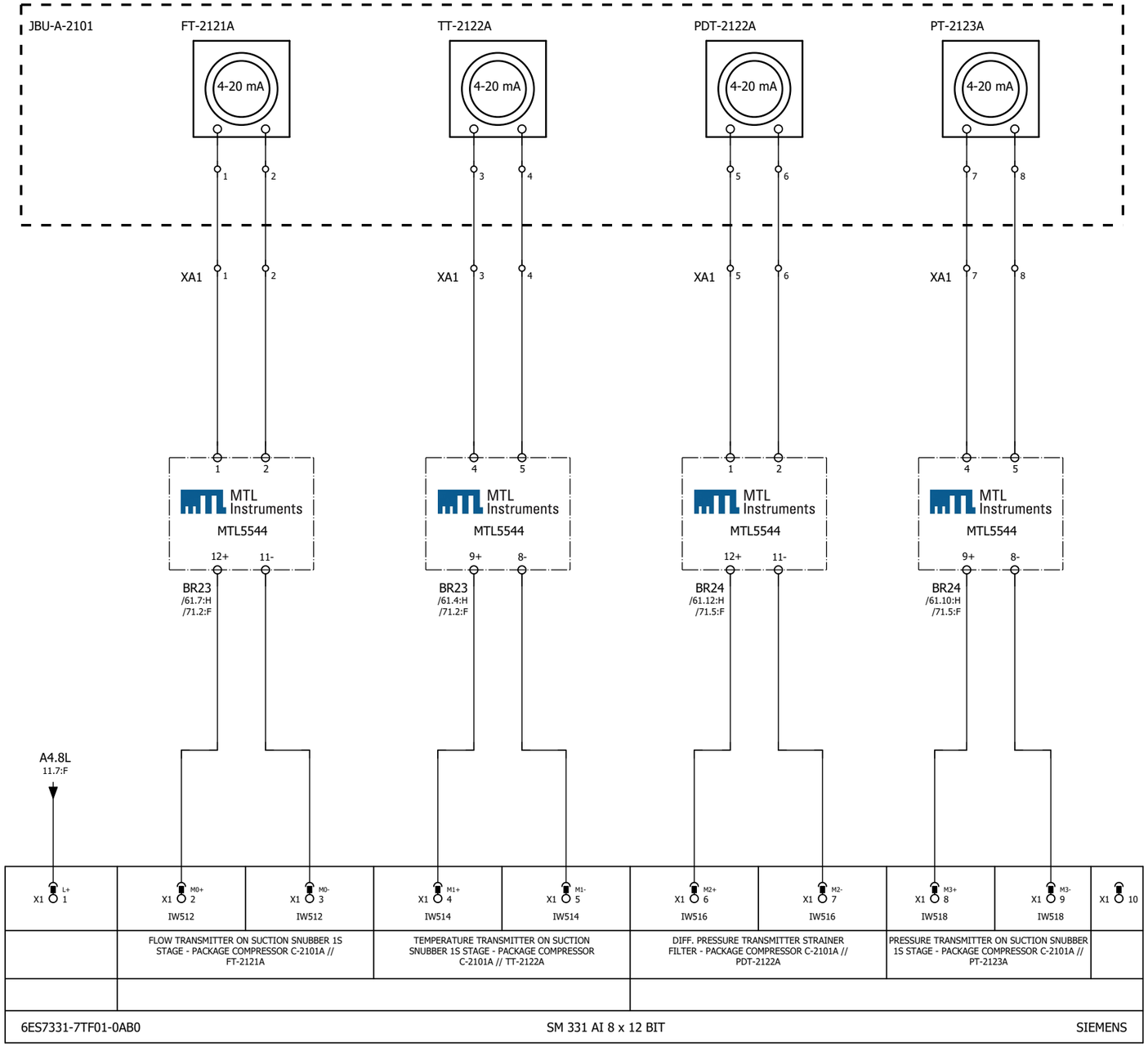
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SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	62 OF 335	00

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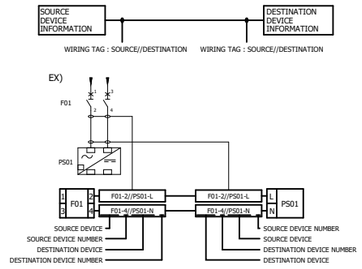
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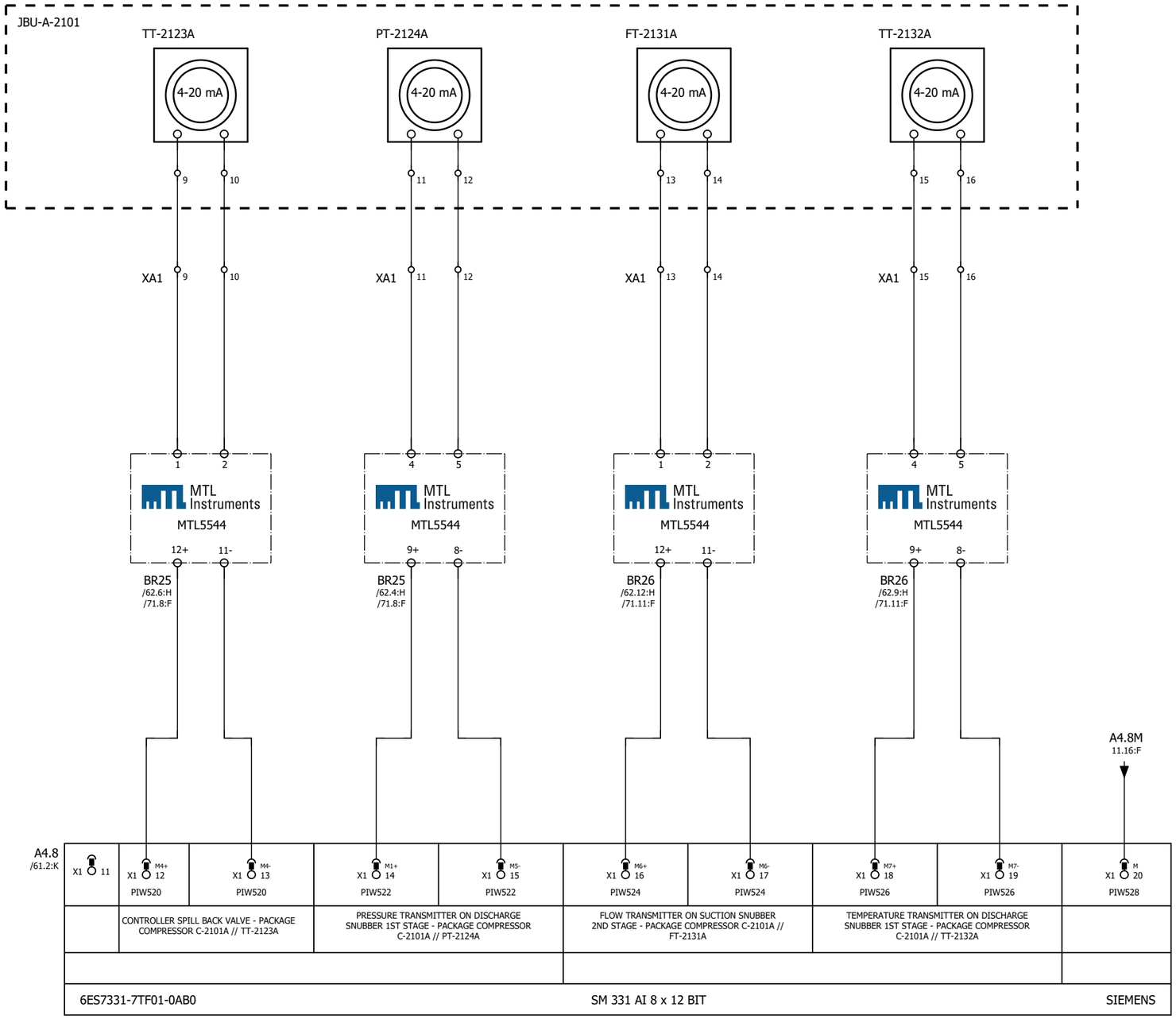
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



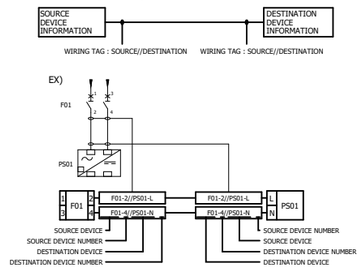
GENERAL NOTES

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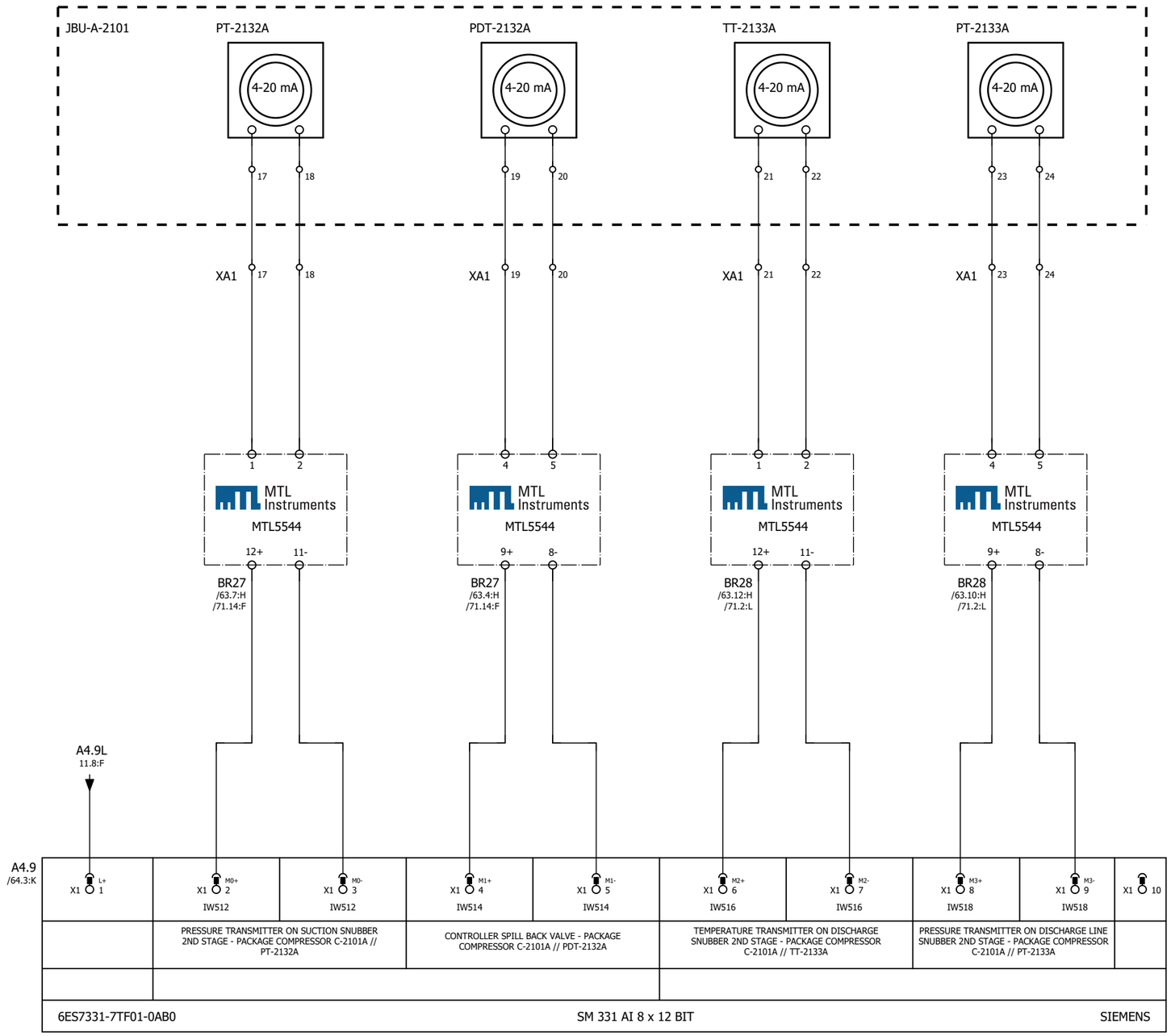
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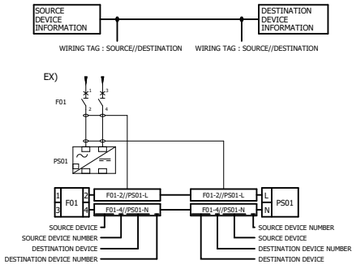
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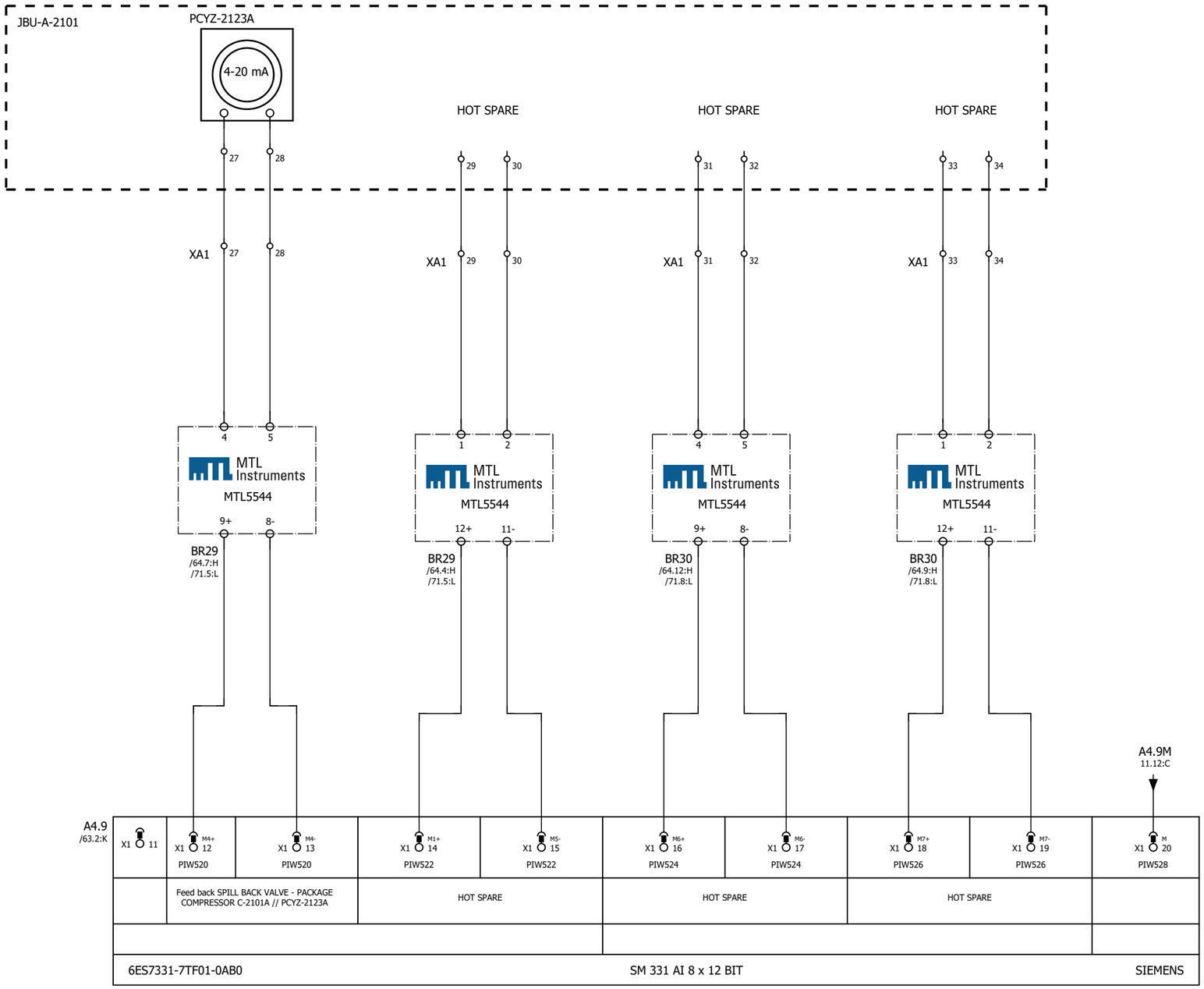
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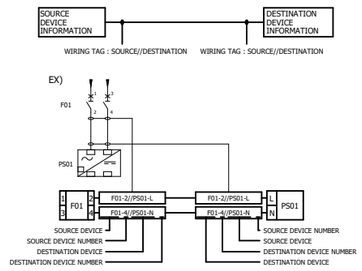
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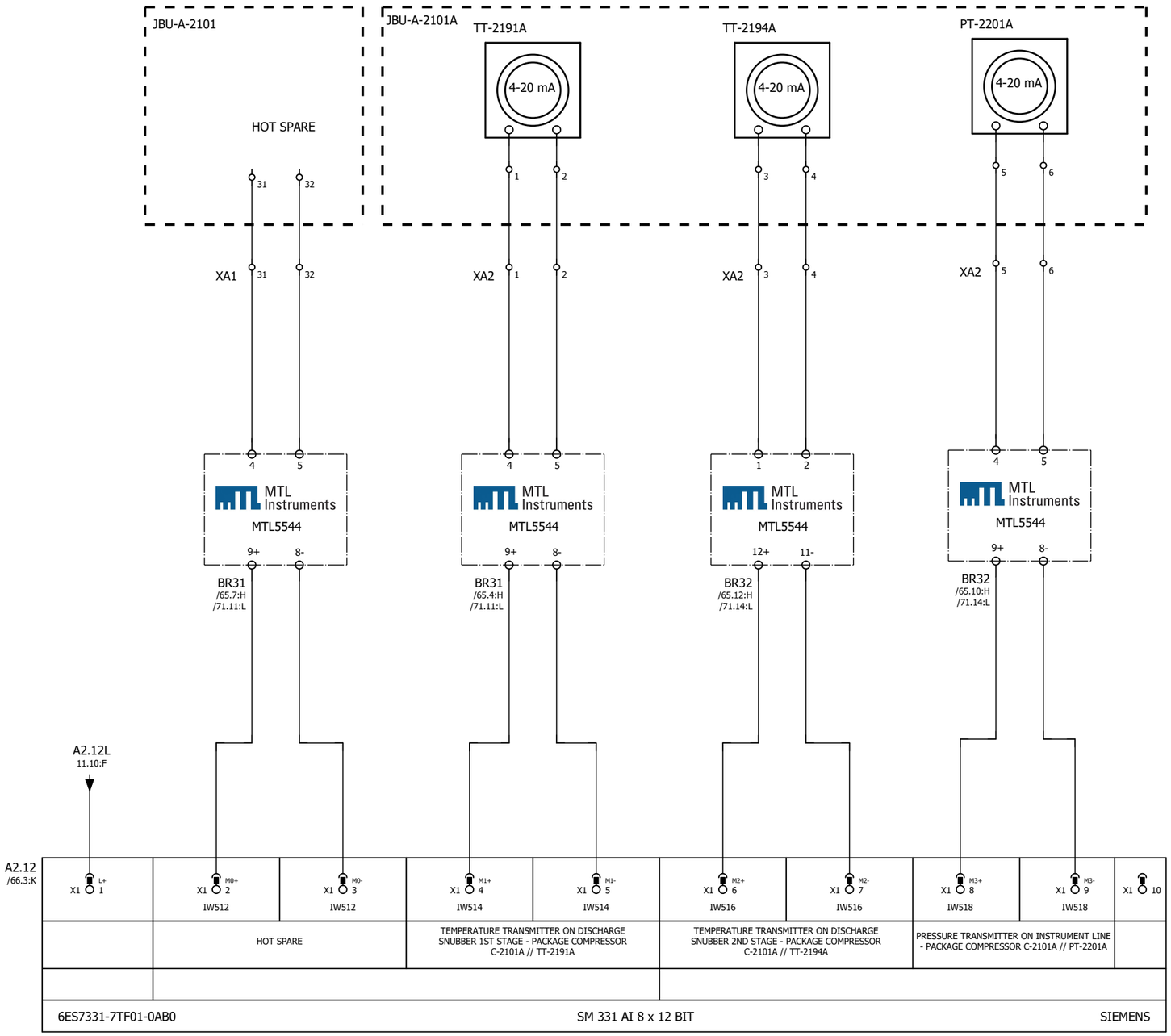
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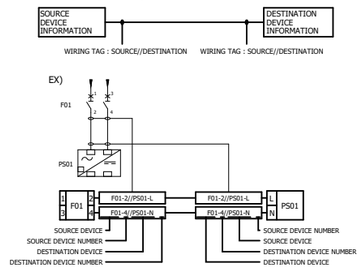
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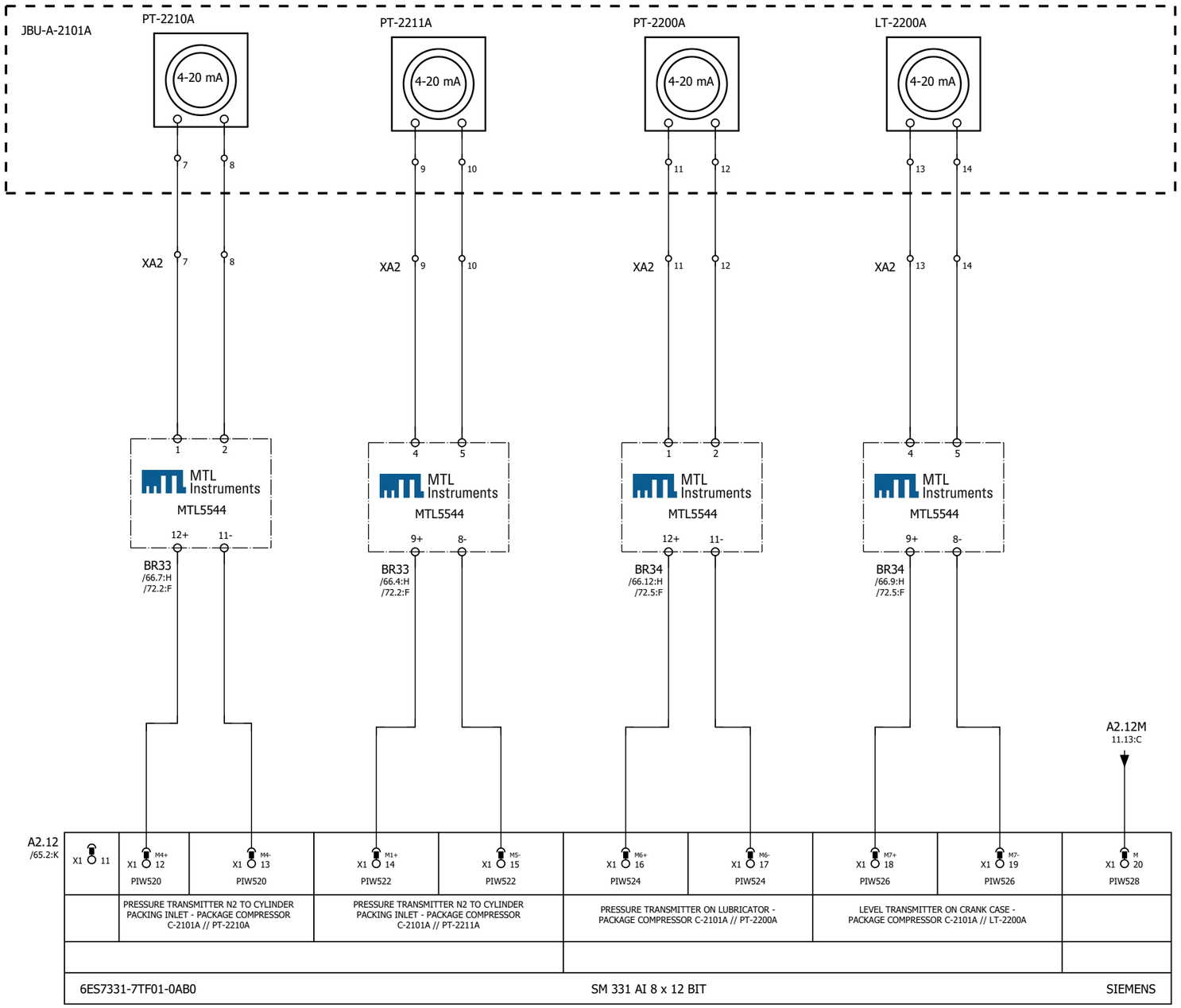
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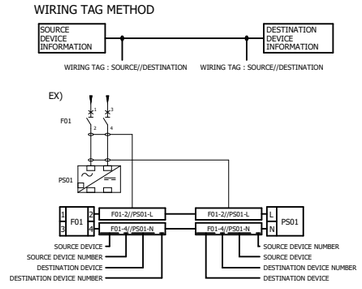
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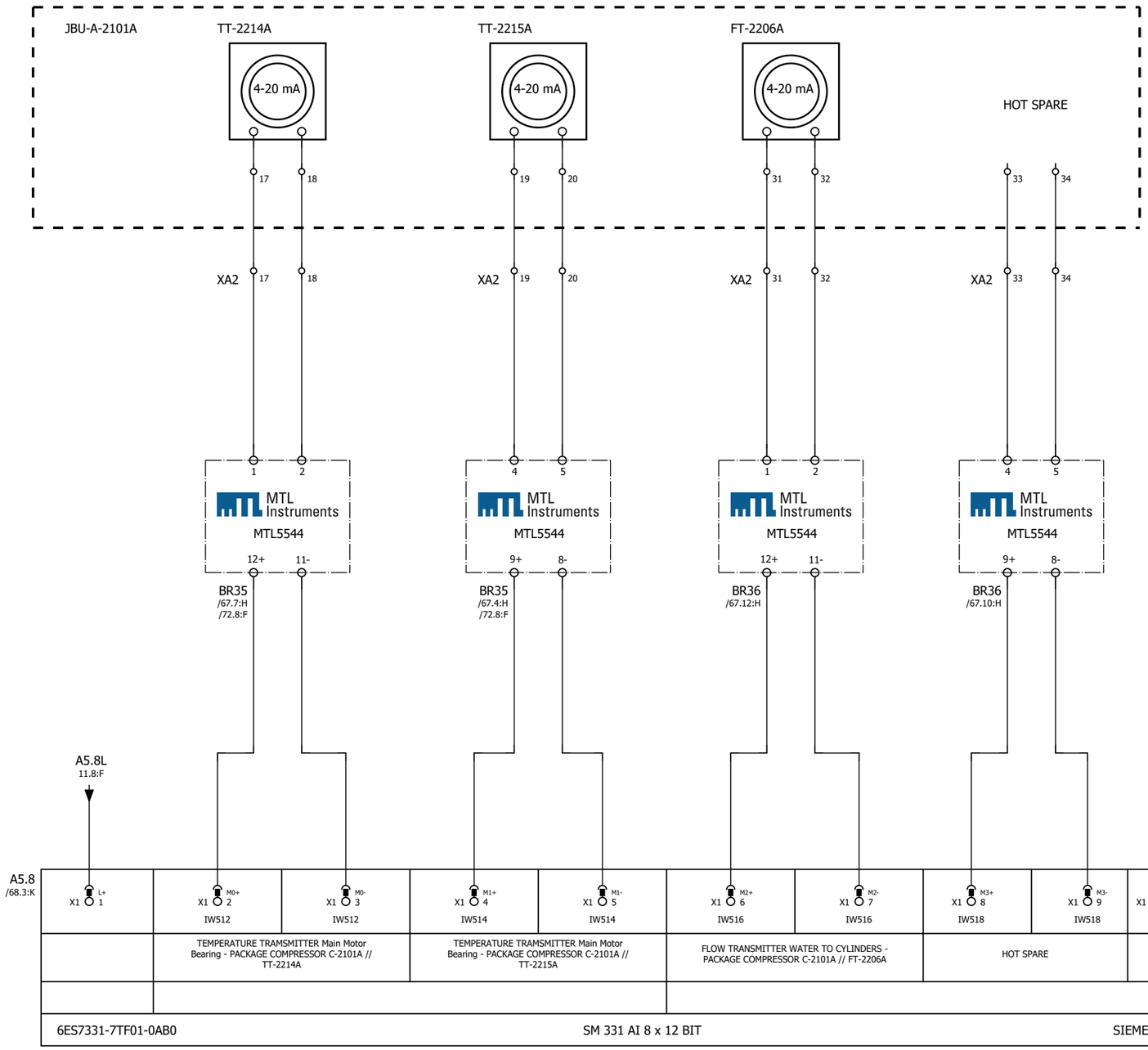
HAVAYAR

KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	68 OF 335	00

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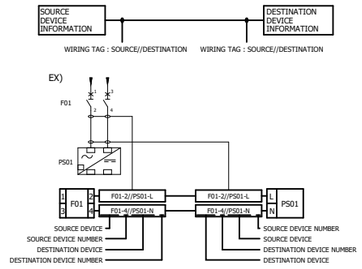
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V02					
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V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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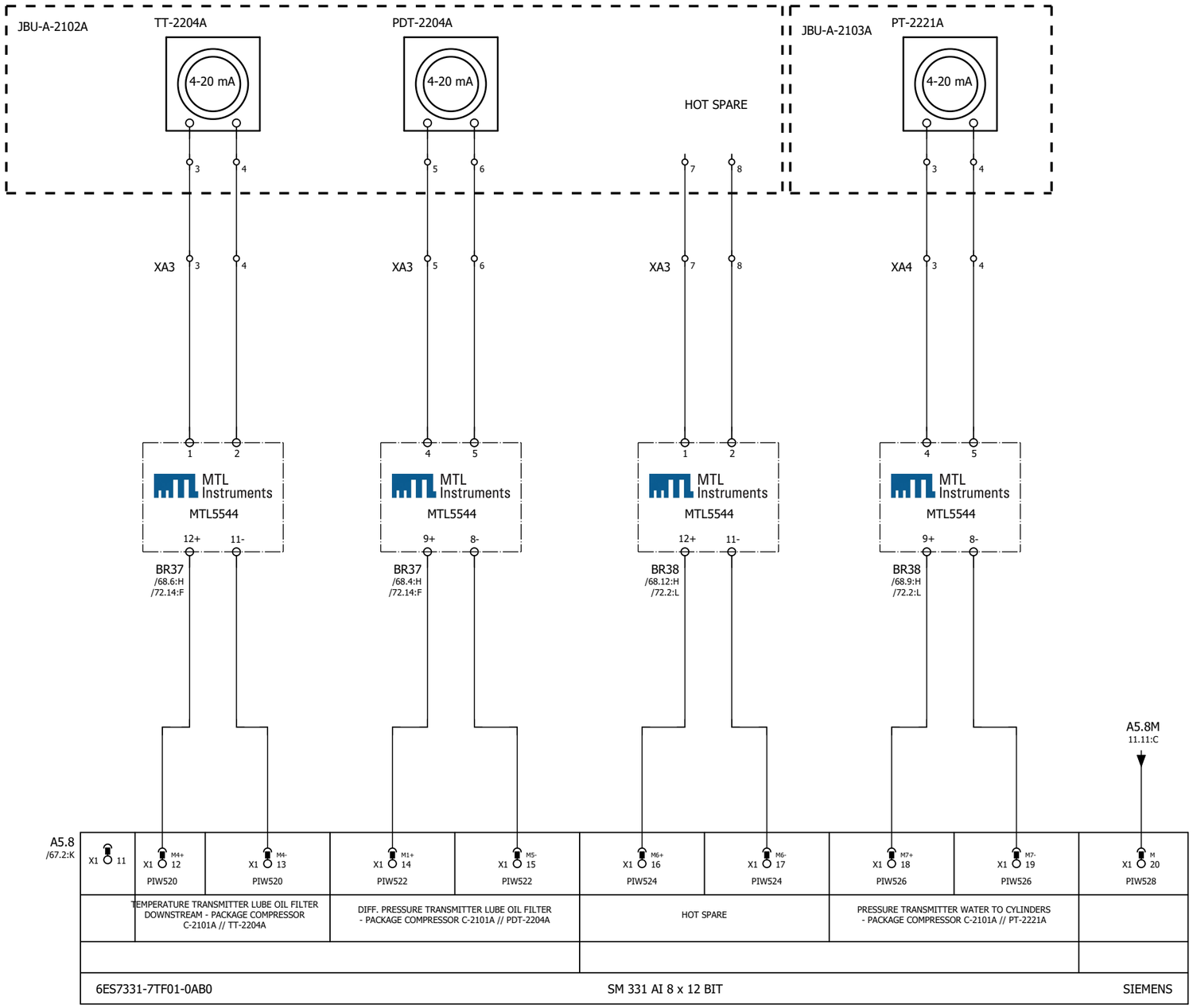
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	69 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



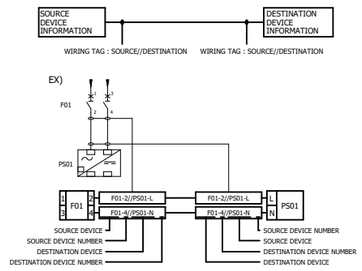
GENERAL NOTES

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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PROJECT NO.:	971020

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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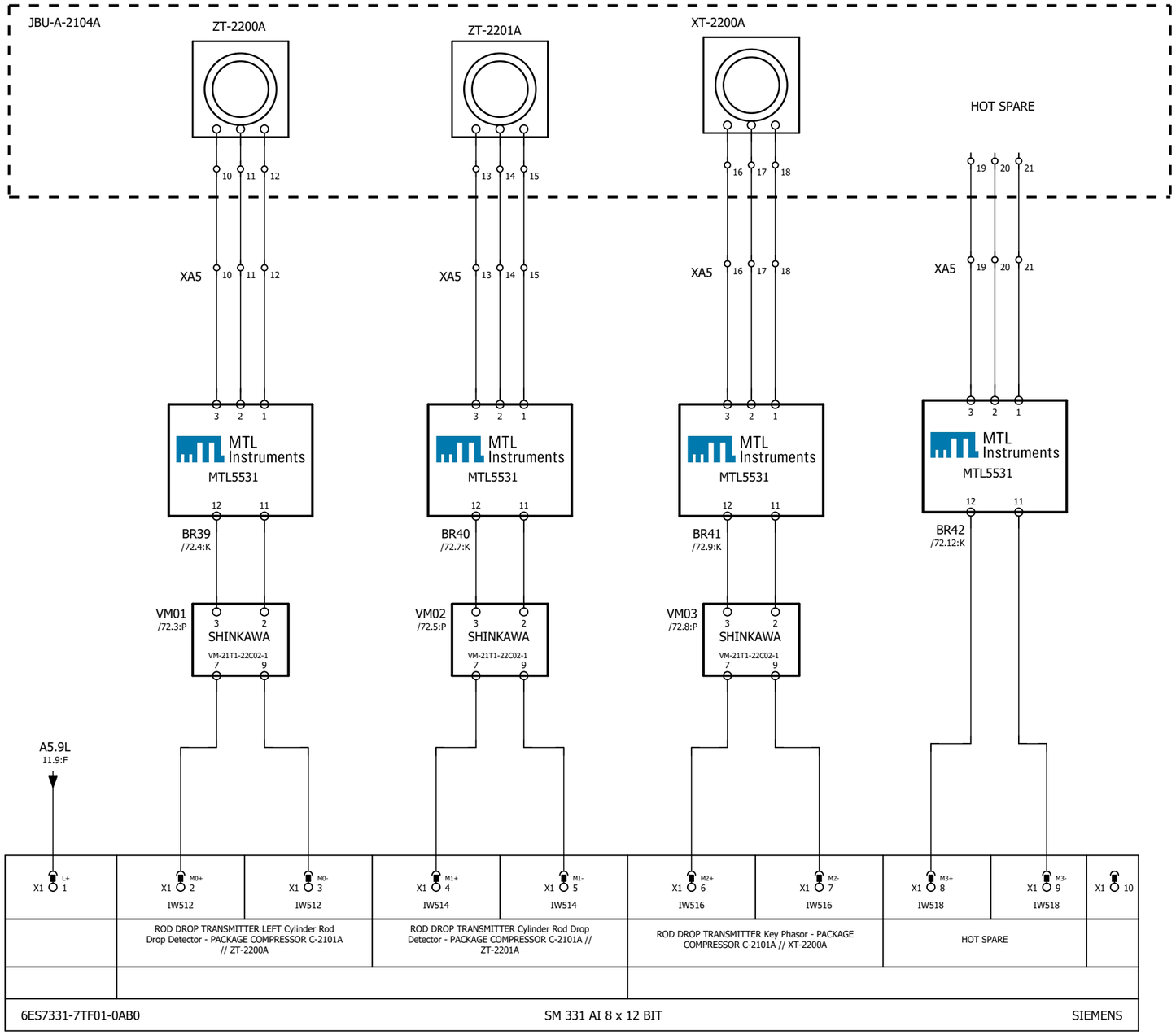
KwangShin

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



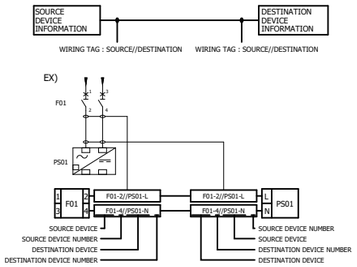
GENERAL NOTES

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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A5.9M
11.13:C

A5.9 /69.2:K									
X1 11	X1 M4+ 12 PIW520	X1 M4- 13 PIW520	X1 M1+ 14 PIW522	X1 M5- 15 PIW522	X1 M6+ 16 PIW524	X1 M6- 17 PIW524	X1 M7+ 18 PIW526	X1 M7- 19 PIW526	X1 M 20 PIW528
	NOT USED		NOT USED		NOT USED		NOT USED		
6ES7331-7TF01-0AB0	SM 331 AI 8 x 12 BIT								SIEMENS

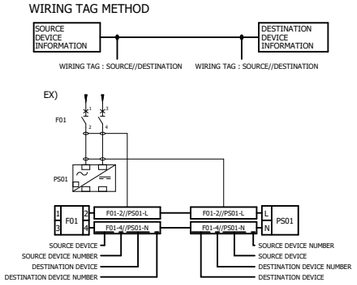
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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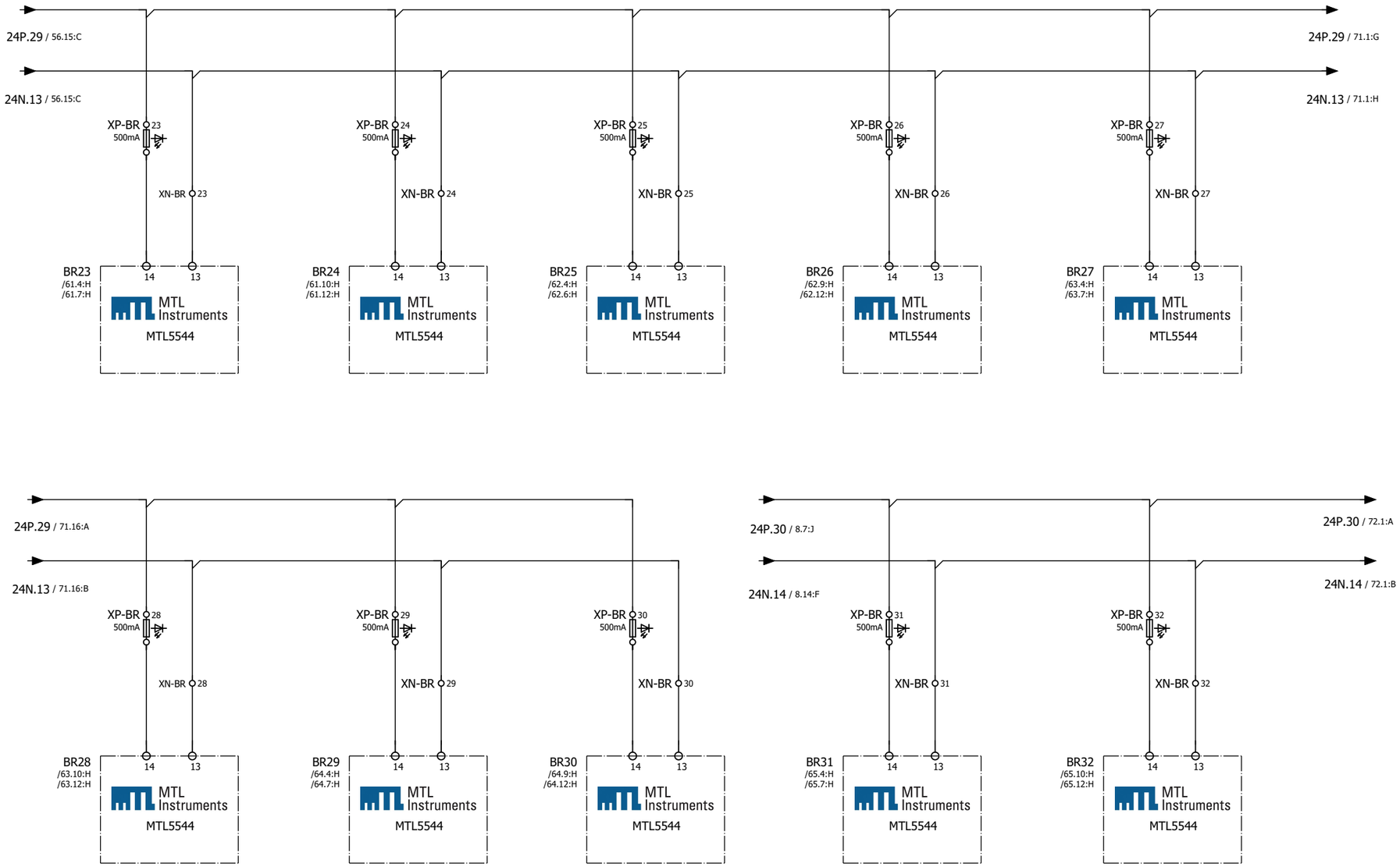
KwangShin Dependable Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	72 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



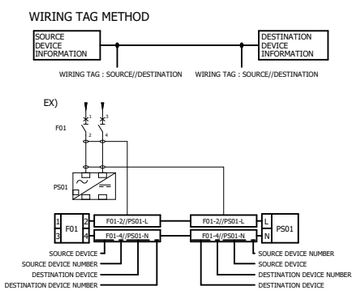
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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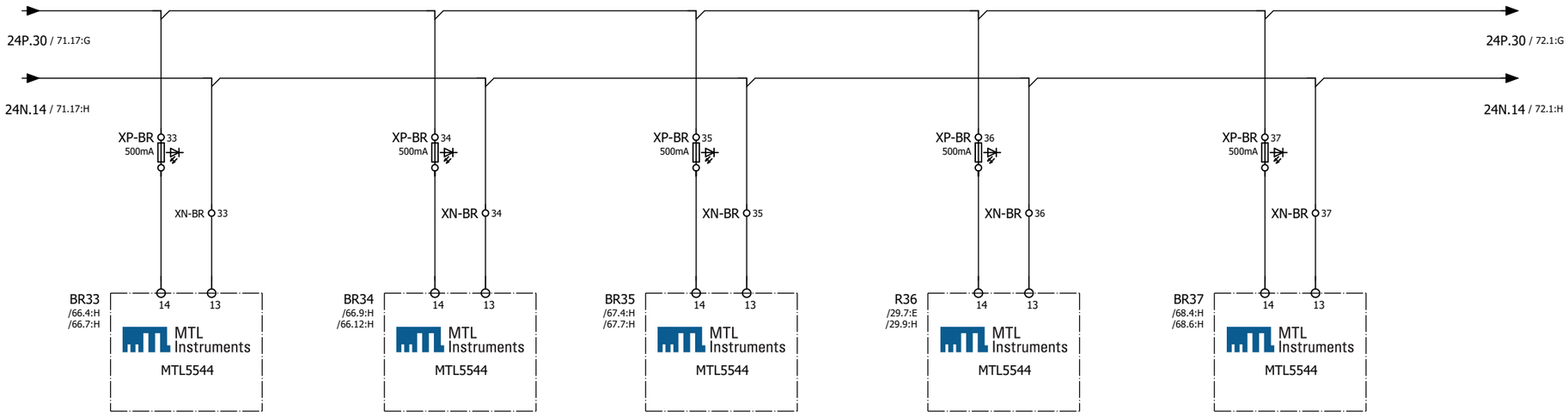
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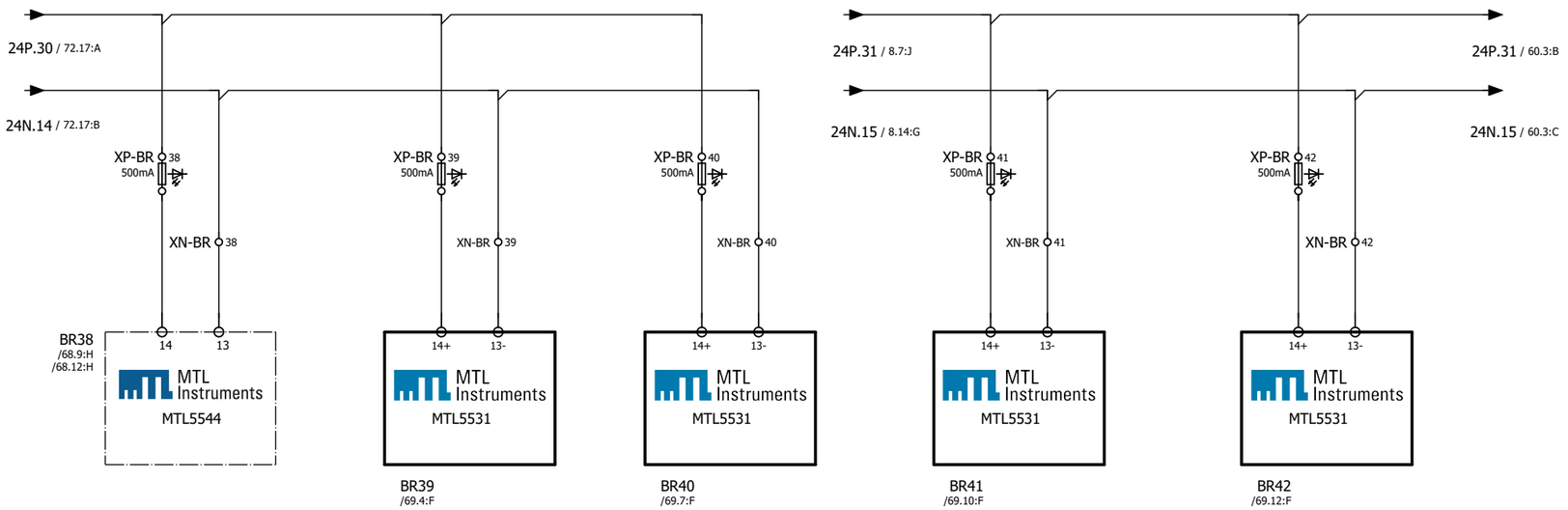
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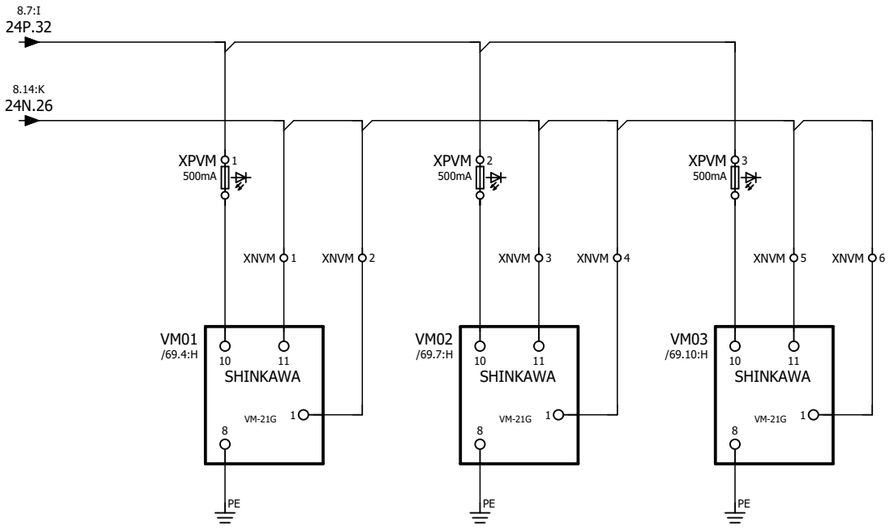
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION







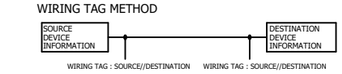
GENERAL NOTES

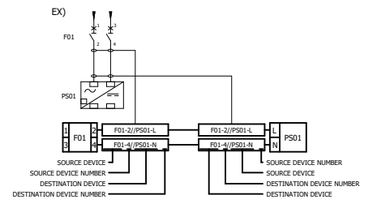
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KEY PLAN

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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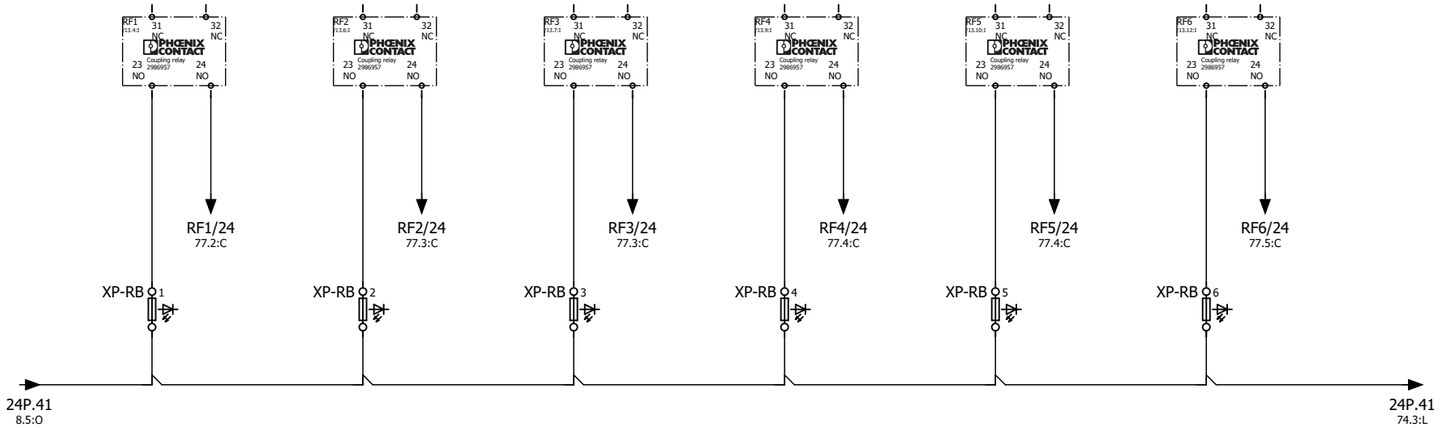
KwangShin

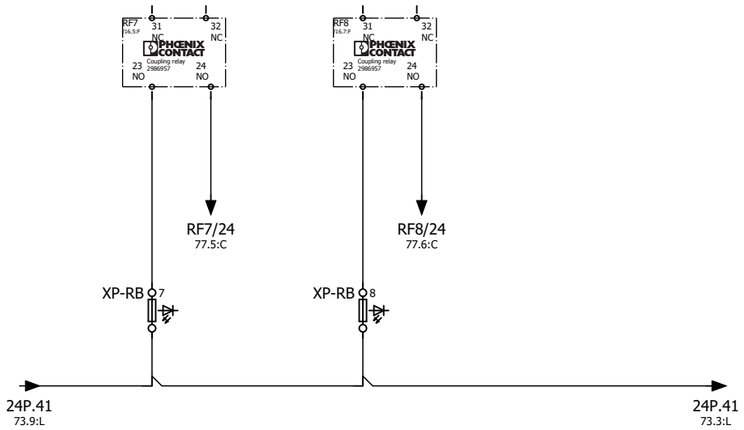
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

RELAY ESD





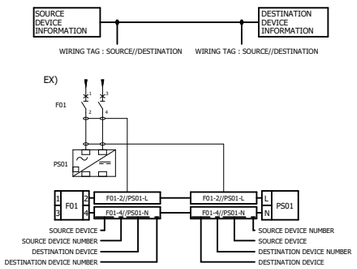
GENERAL NOTES

LEGEND

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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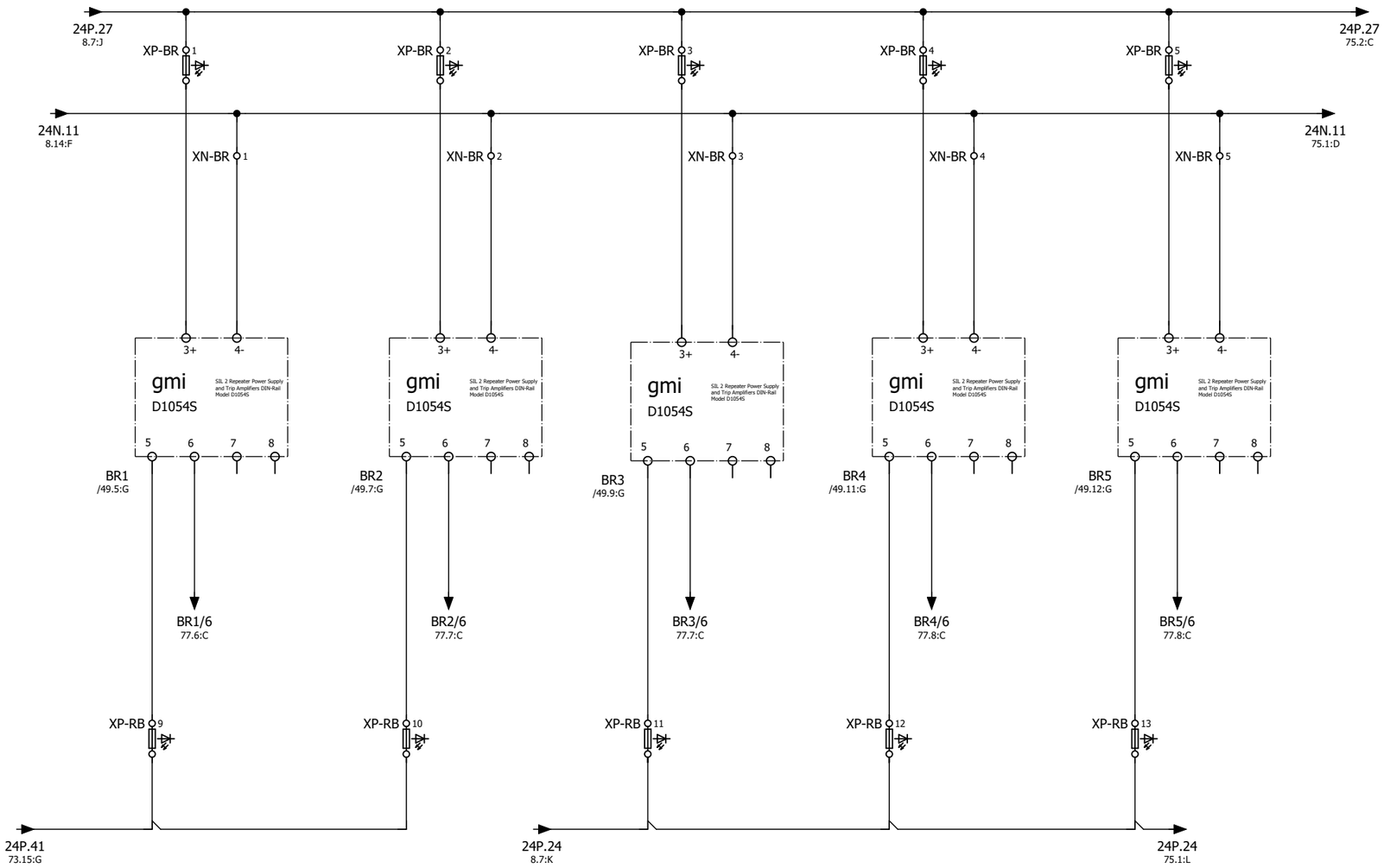
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SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



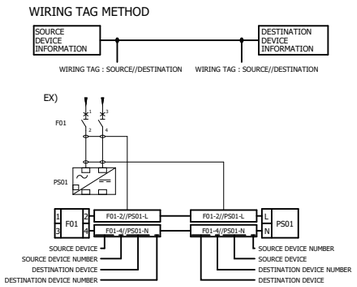
GENERAL NOTES

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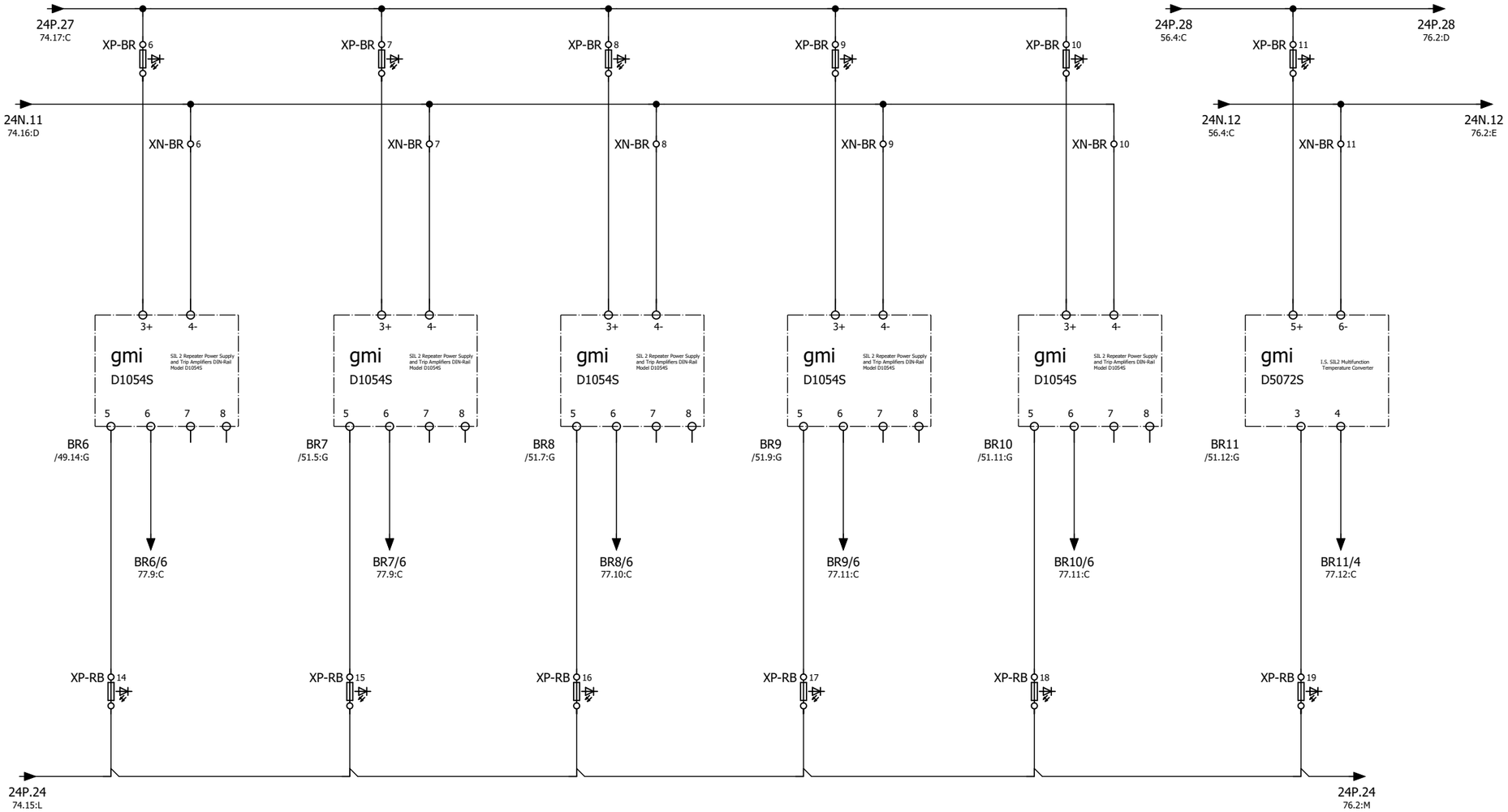
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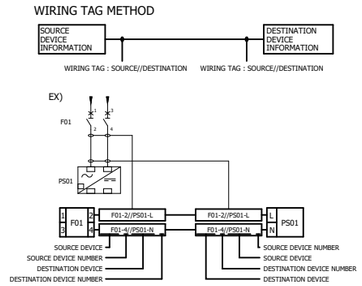
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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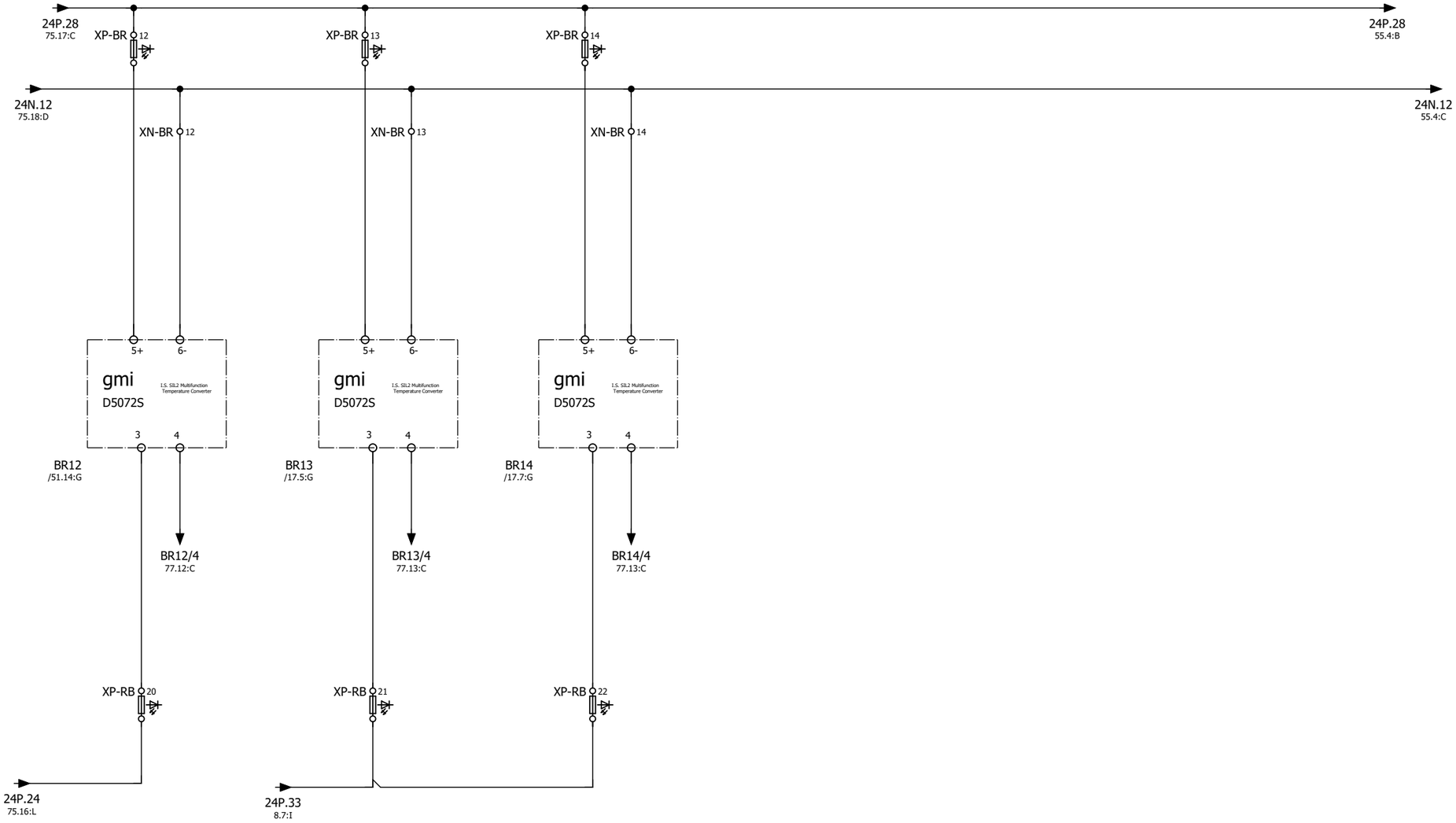
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HAVAYAR
KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	77 OF 335	00

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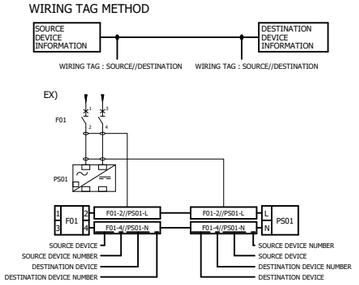
GENERAL NOTES

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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

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GAS COMPRESSOR STATION

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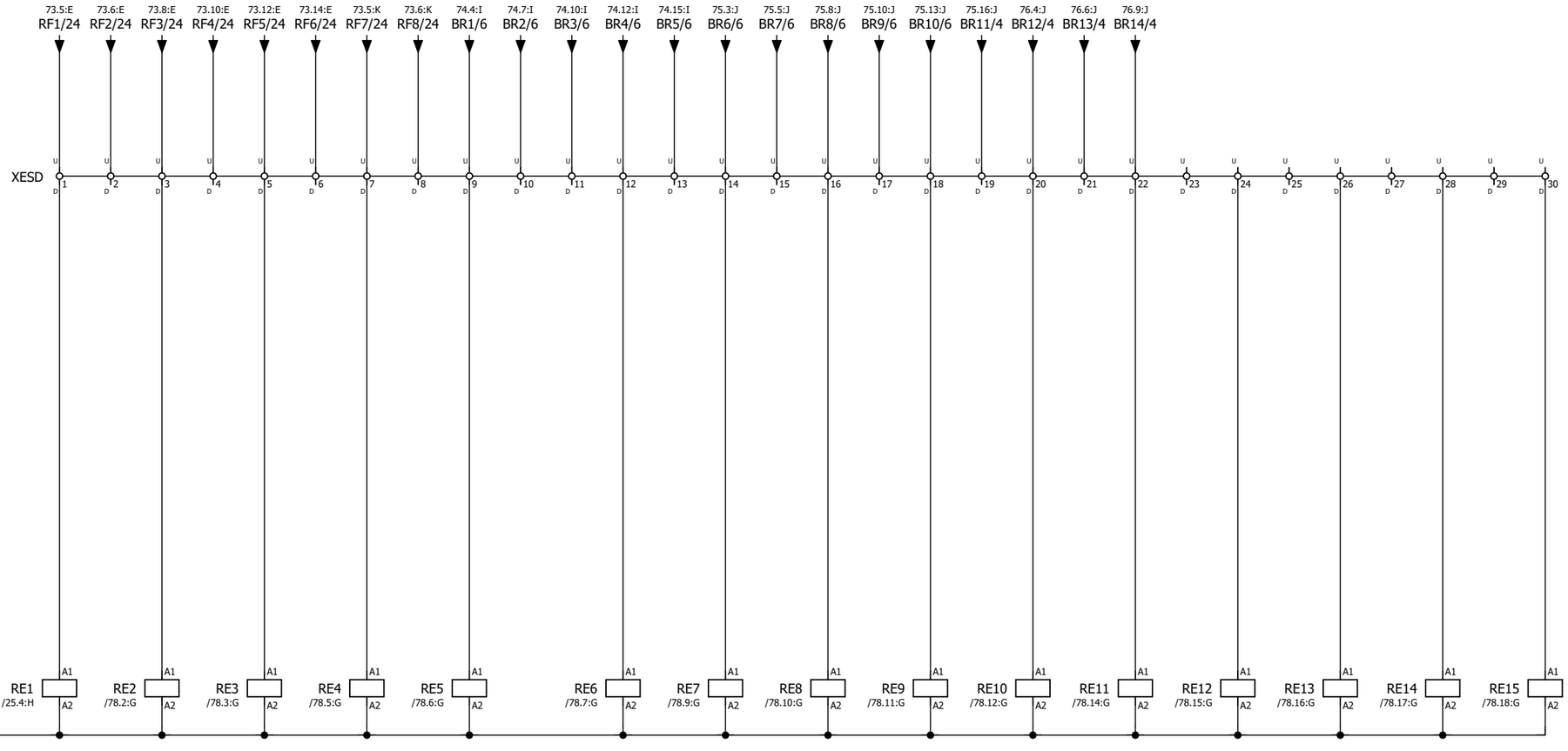
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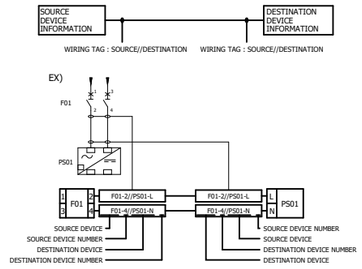
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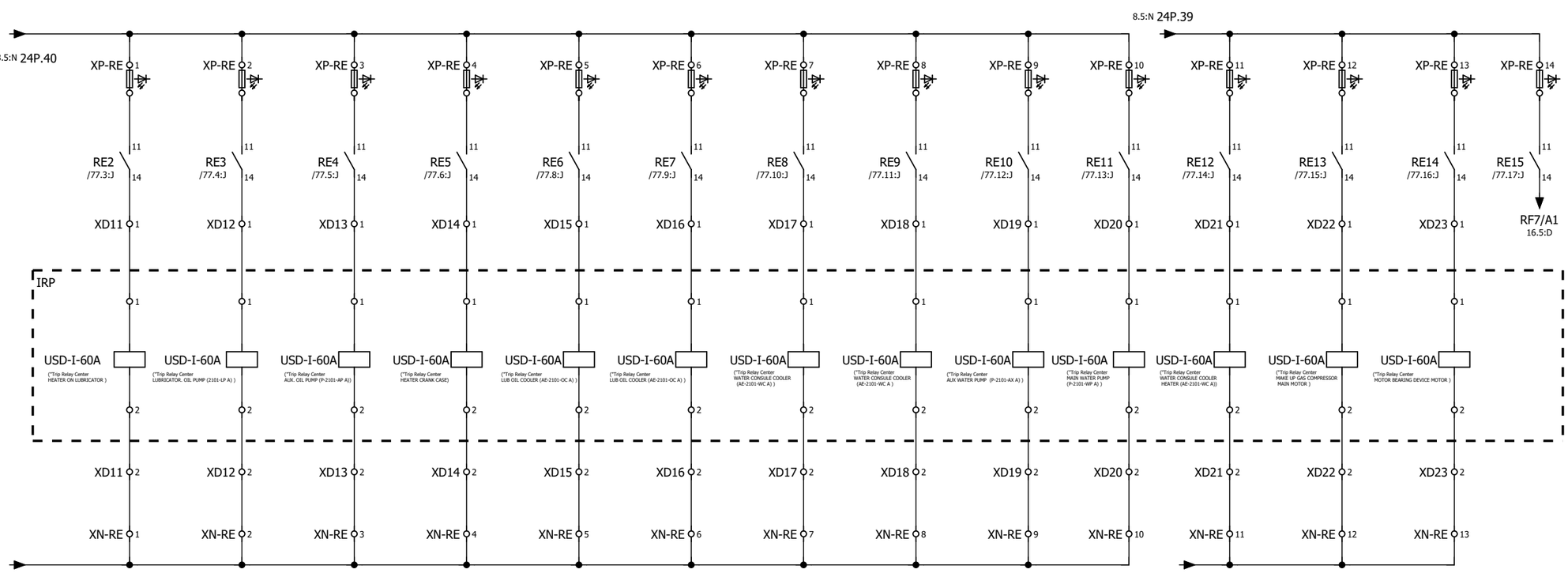
HAVAYAR

KwangShin Dependable Compressors

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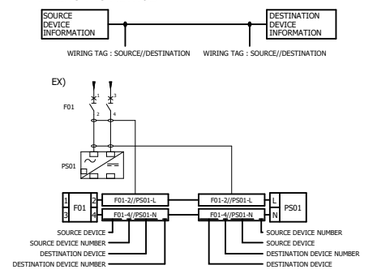
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PACKAGE COMPRESSOR
C-2101B

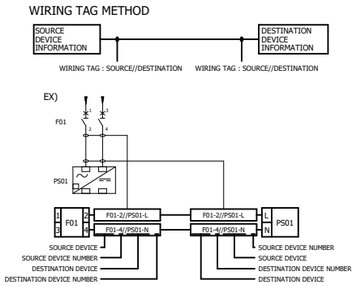
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

LEGEND

ITEM	SYMBOL	DESCRIPTION
1		TERMINAL
2		MCB
3		Terminal Fuse With LED
4		EMG Stop Push Button
5		Selector Switch
6		Relays, contactors Coil
7		NO Contact
8		Door Micro Switch
9		Heater Thermostat
10		Fan Thermostat
11		Fluorescent
12		Heater
13		Outlet Socket
14	M 1~	POWER SUPLLY
15	4-20mA	Analog Input

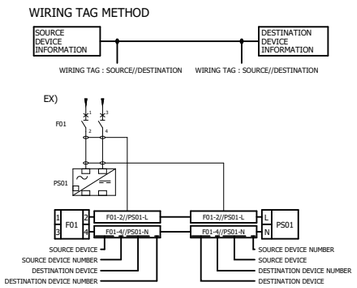
GENERAL NOTES

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

WIRE COLOR CODE

WIRING TYPE	WIRE	WIRE COLOR	LABEL WIRE COLORE	LABEL WIRE FONT COLORE	SIZE mm2	Material
110VAC UPS POWER	PHASE (LINE 1)	YELLOW	WHITE	BLACK	2.5	PVC
	NEUTRAL (LINE 2)	GRAY	WHITE	BLACK	2.5	PVC
230VAC NUPS POWER	PHASE (LINE 1)	BROWN	WHITE	BLACK	2.5	PVC
	NEUTRAL (LINE 2)	LIGHT BLUE	WHITE	BLACK	2.5	PVC
	EARTH	YELLOW-GREEN	WHITE	BLACK	2.5	PVC
24VDC	24VDC (MAIN)	RED	WHITE	BLACK	1.5	PVC
	0VDC (MAIN)	BLACK	WHITE	BLACK	1.5	PVC
	24VDC (DISTRIBUTION)	RED	WHITE	BLACK	0.75	PVC
	0VDC (DISTRIBUTION)	BLACK	WHITE	BLACK	0.75	PVC
SIGNAL WIRES	DIGITAL INPUT SIGNALS	IS BLUE	WHITE	BLACK	0.75	PVC
		NIS WHITE	WHITE	BLACK	0.75	PVC
	DIGITAL OUTPUT SIGNALS	IS BLUE	WHITE	BLACK	FROM CARD TO RELAY 0.75 FROM RELAY TO TERMINAL 0.75	PVC
		NIS WHITE	WHITE	BLACK	FROM CARD TO RELAY 0.75 FROM RELAY TO TERMINAL 0.75	PVC
	ANALUG INPUT SIGNALS	IS BLUE	WHITE	BLACK	0.75	PVC
		NIS WHITE	WHITE	BLACK	0.75	PVC
EARTH	ELECTRICAL EARTH (PE) (SAFETY EARTH)	YELLOW-GREEN	WHITE	BLACK	2.5	PVC
	INSTRUMENT EARTH (IPE)	GREEN WITH RED OR WIGHT ID RING	WHITE	BLACK	2.5	PVC

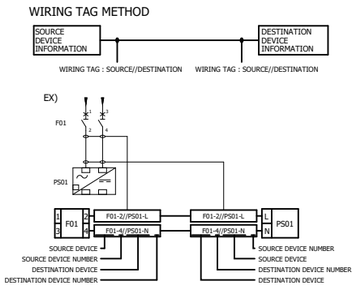
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NUPS INCOMING
230V AC + PE

X-NUPS
1 L
2 N
3 PE
PE BUS

F1
Main NUPS Power
MCB, 2P, 10A
TYPE: C

F2
MCB
2P, 2A
TYPE: C

F3
MCB
2P, 2A
TYPE: C

F4
MCB
2P, 4A
TYPE: C

XLight-L
XLight-N

S1 S2 S3 S4 S5 S6

H1 Panel C1 Front Side Lighting 230VAC
H2 Panel C1 Back Side Lighting 230VAC
H3 Panel C2 FRONTSide Lighting 230VAC
H4 Panel C2 Back Side Lighting 230VAC
H5 Panel C2 Back Side Lighting 230VAC
H6 Panel C2 Back Side Lighting 230VAC

HY01 Heater HYDROSTAT
HY02 Heater HYDROSTAT

HT01 Panel Heater 230VAC
HT02 Panel Heater 230VAC

REC
Outlet Socket
230VAC, 4A

PE BUS

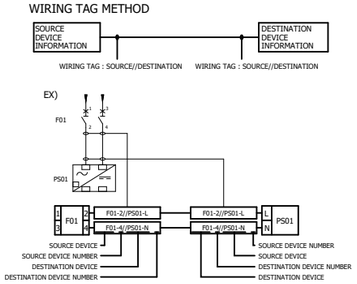
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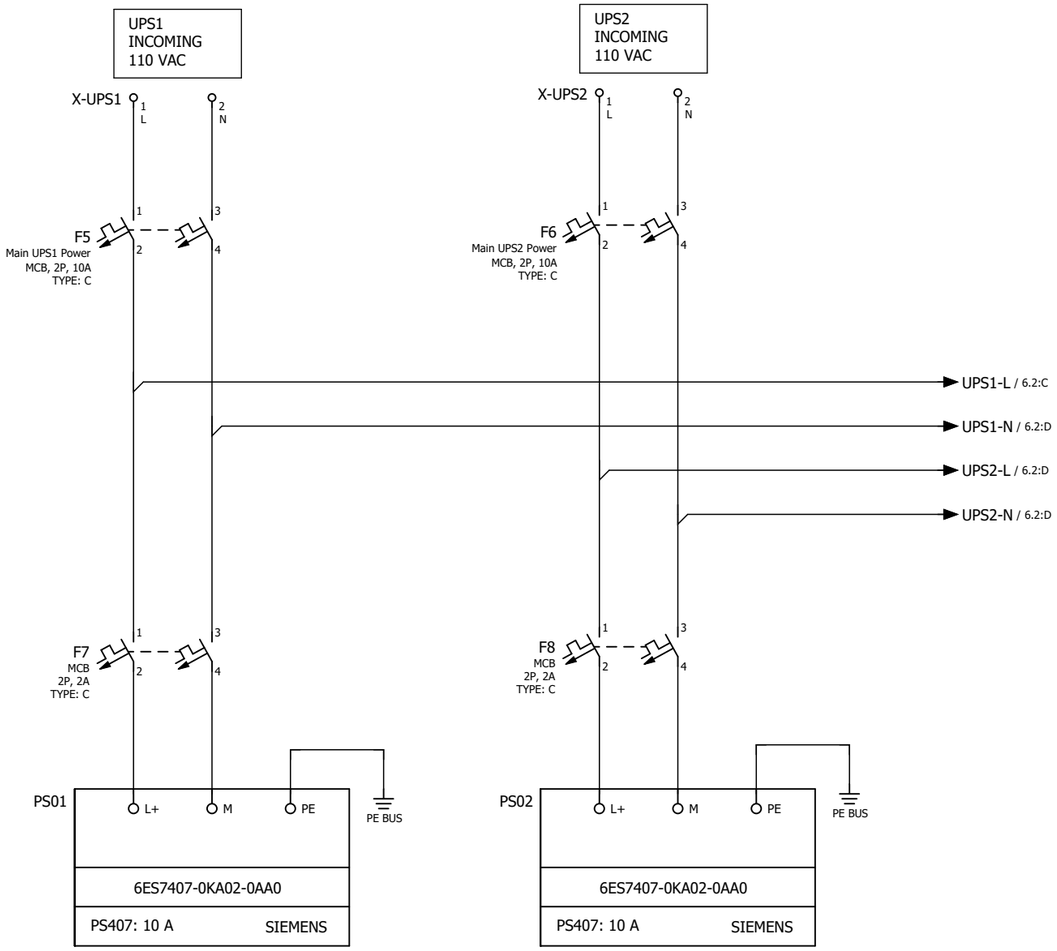
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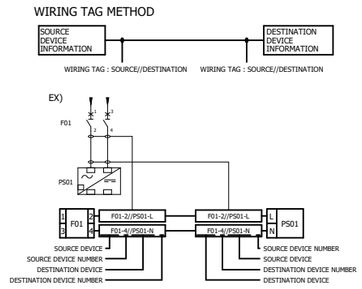
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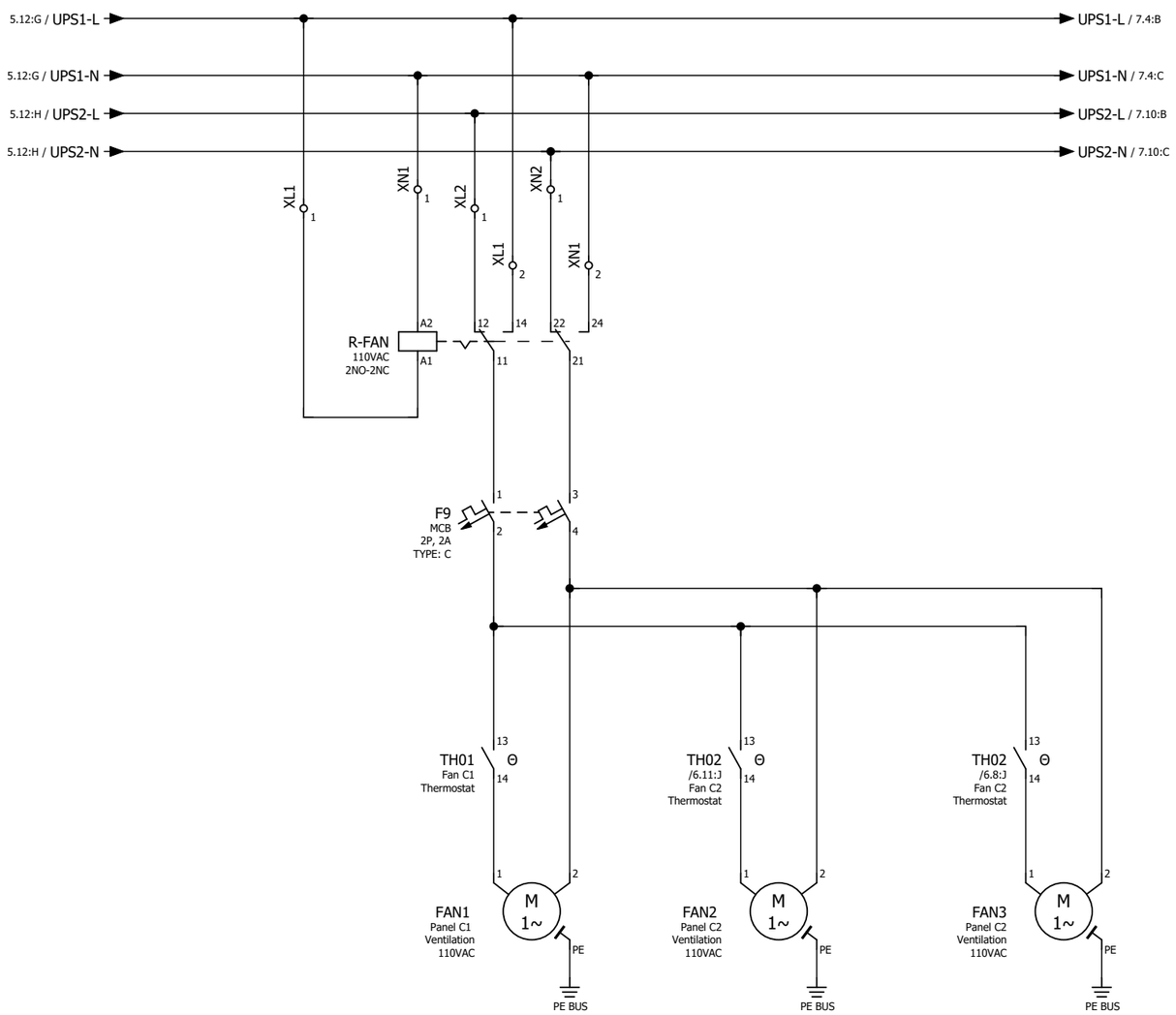
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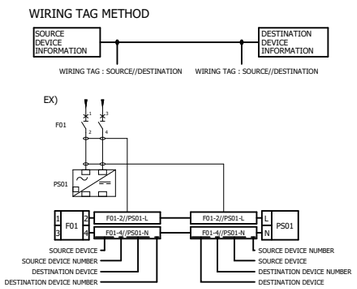
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

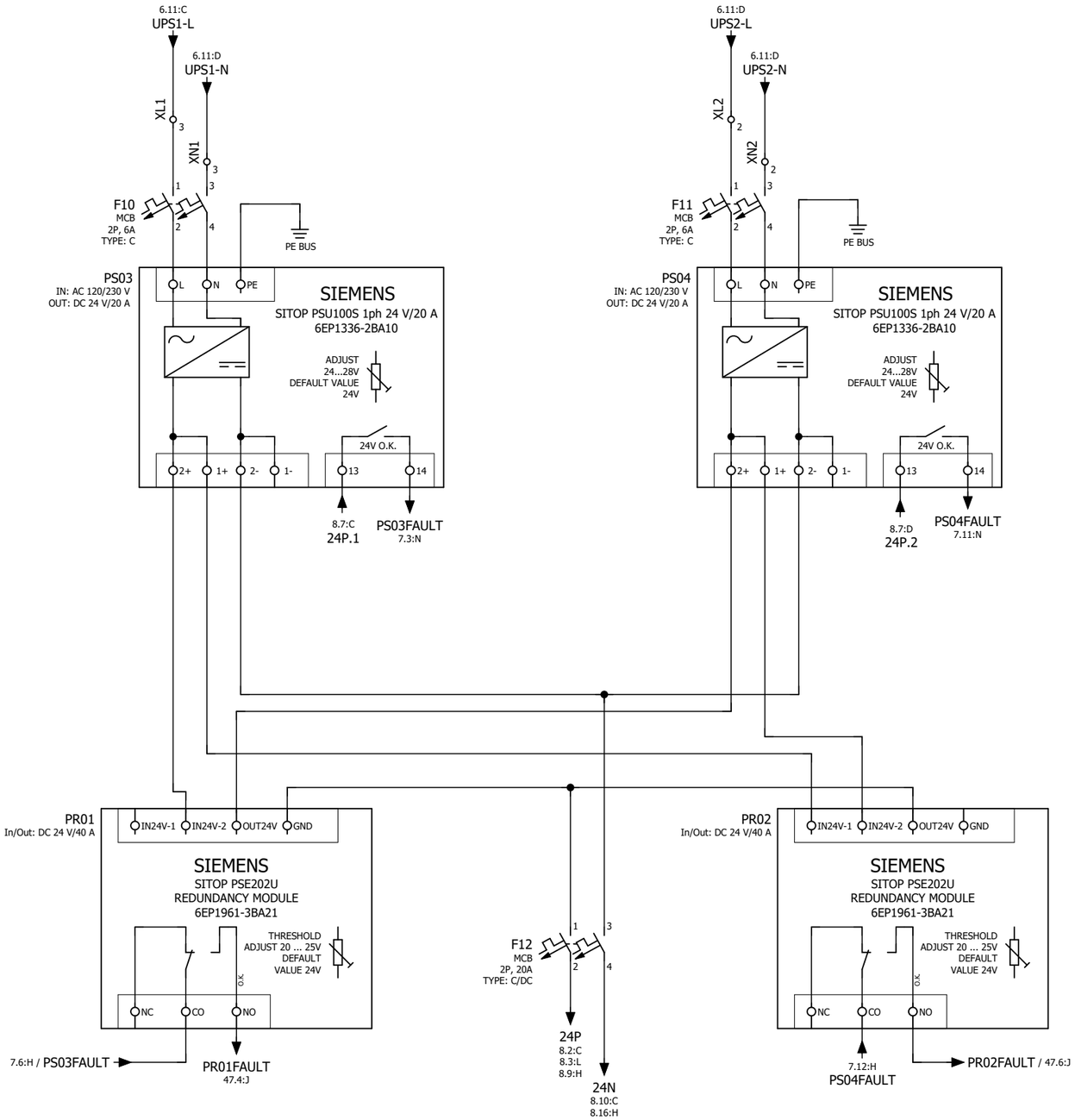
APPROVED FOR CONSTRUCTION	BY:	DATE:

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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	86 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



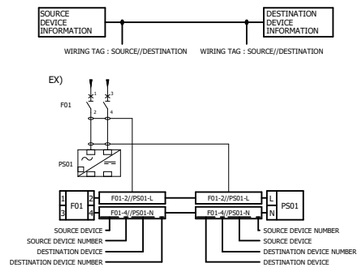
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V03					
V02					
V01					
V00	*******	*******	*******	*******	*******
		CHECKED		REV. APPR.	

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	*******

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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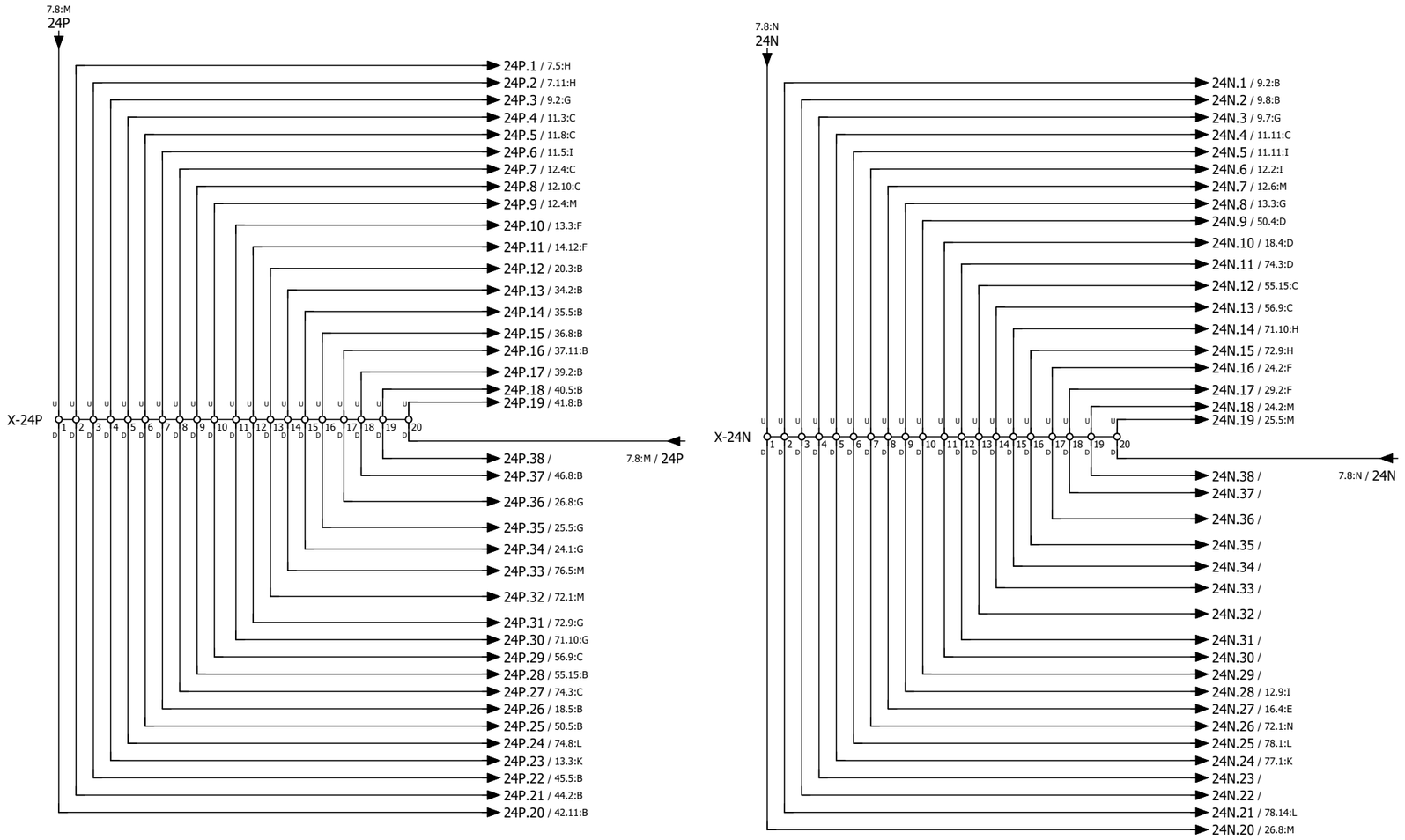
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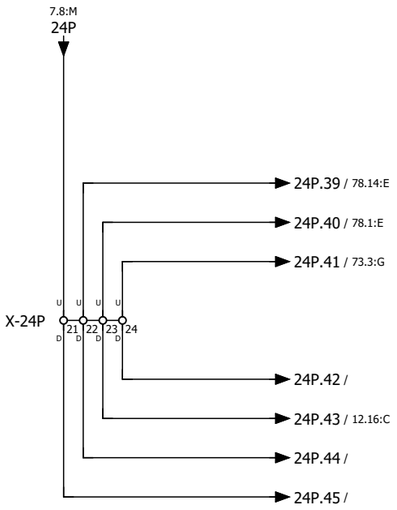
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	87 OF 335	00

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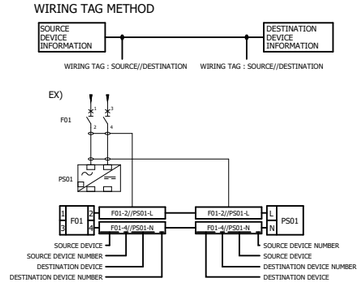
GENERAL NOTES

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KEY PLAN

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V03						
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PROJECT NO.: 971020

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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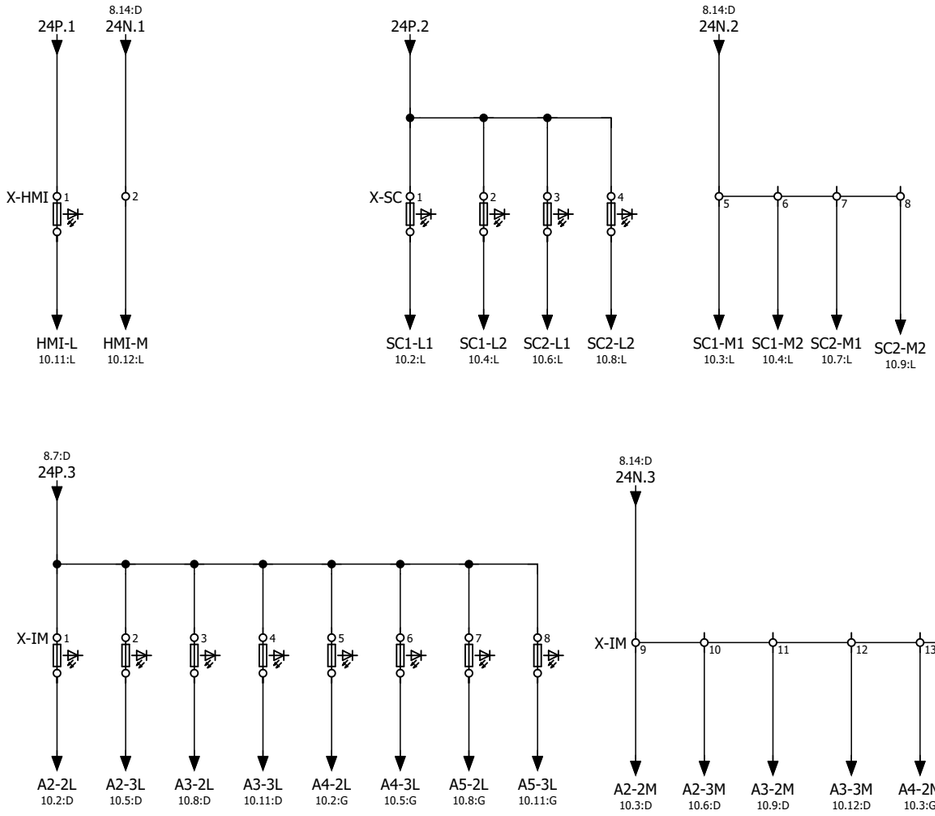
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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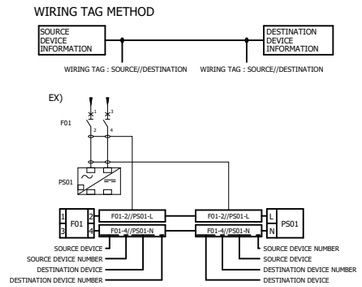
GENERAL NOTES

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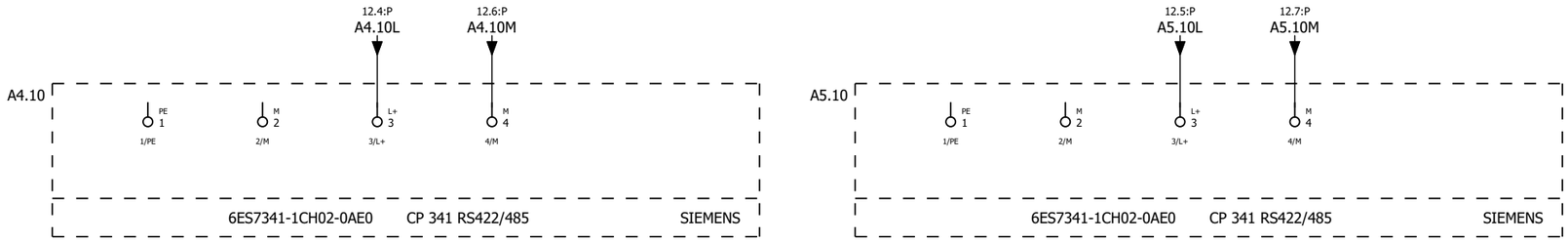
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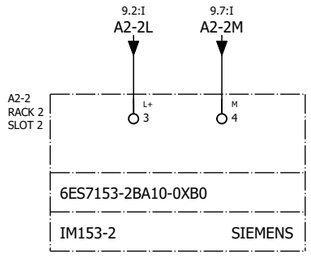
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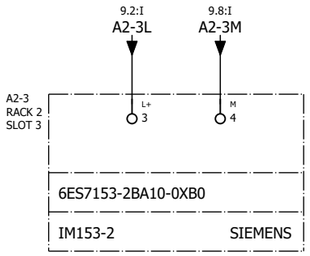
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

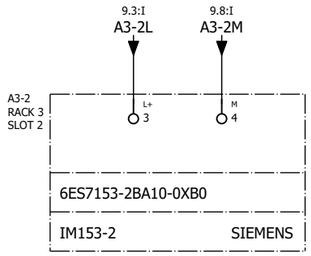
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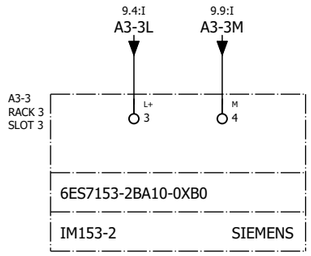
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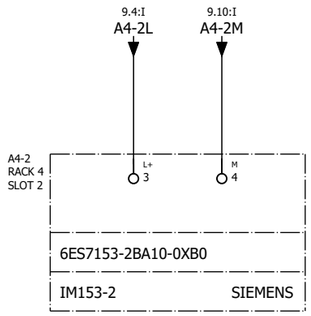


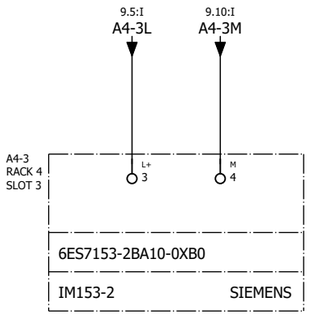


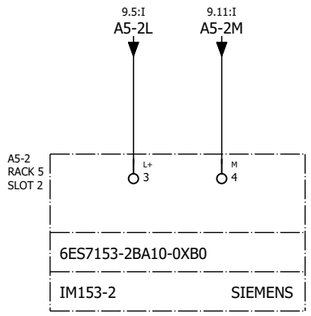


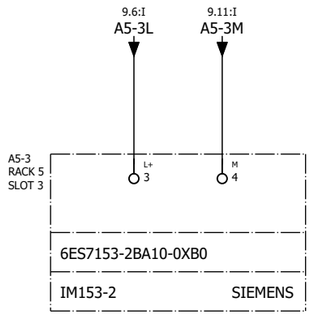


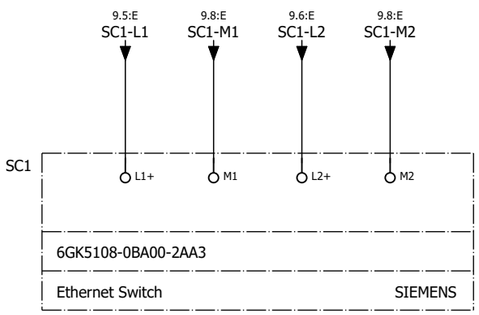


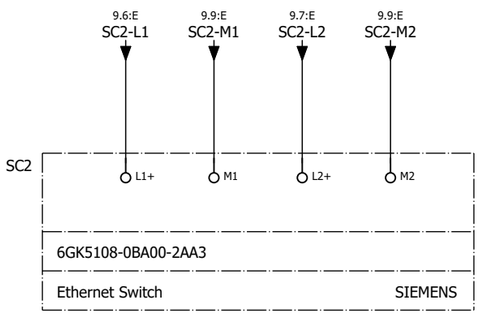


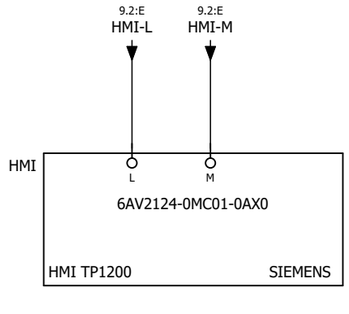












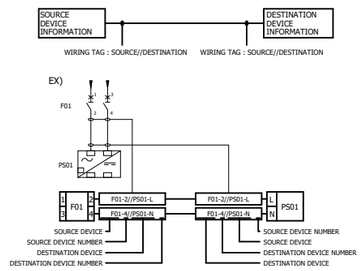
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V02					
V01					
V00	*******	*******	*******	*******	*******

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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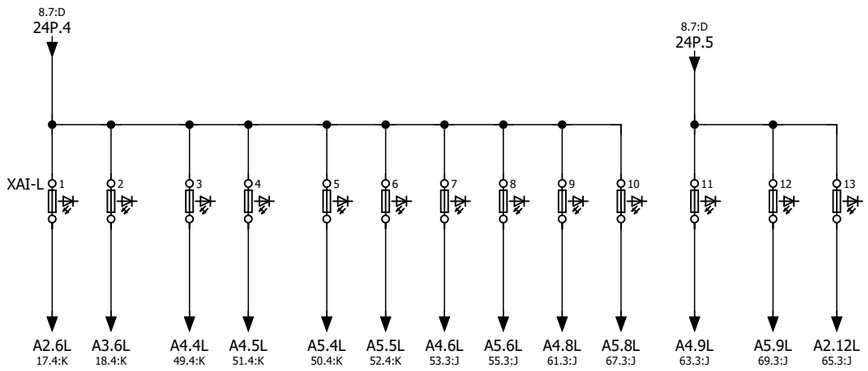
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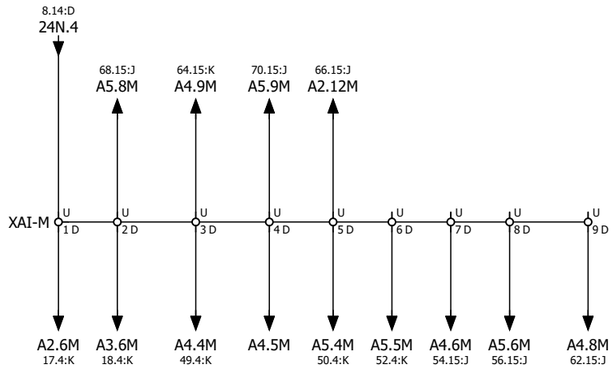
KwangShin Hermetic Compressors

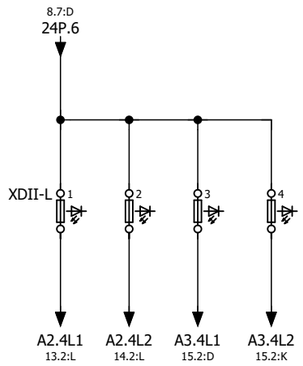
DRAWING TITLE:
PLC WIRING DIAGRAM & TERMINAL DETAILS

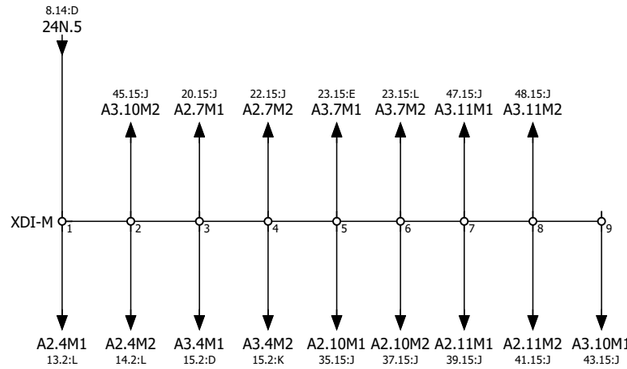
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION









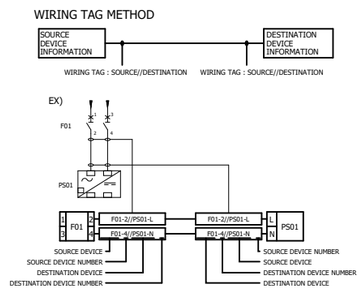
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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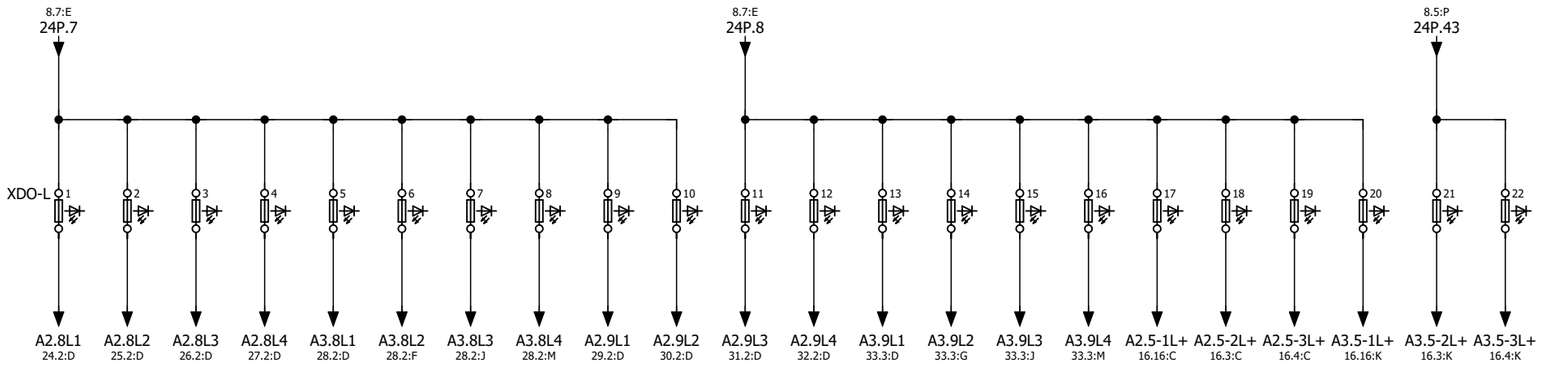
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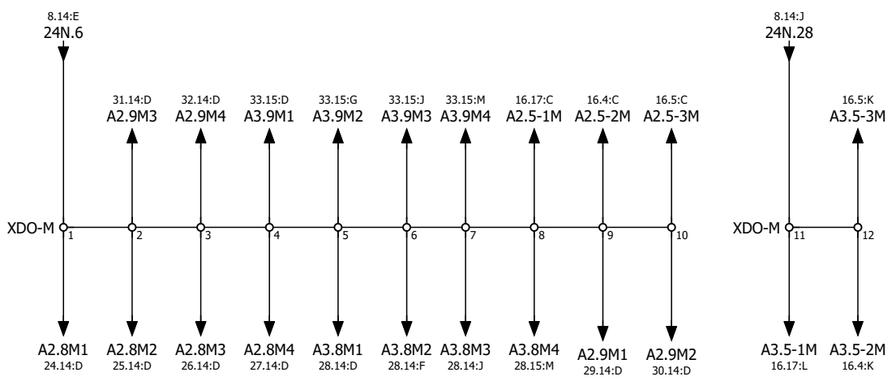
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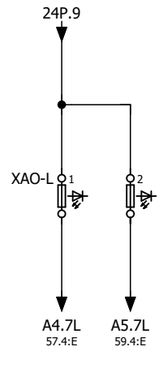
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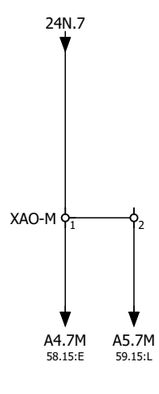
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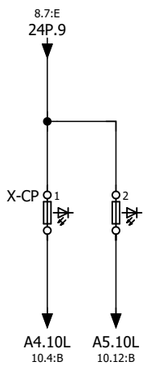
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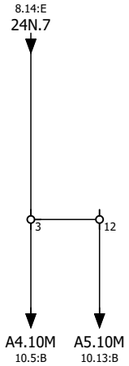












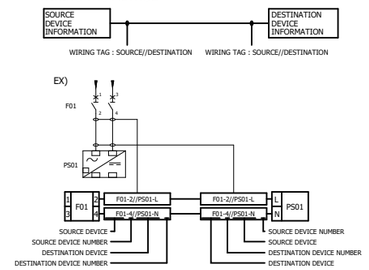
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

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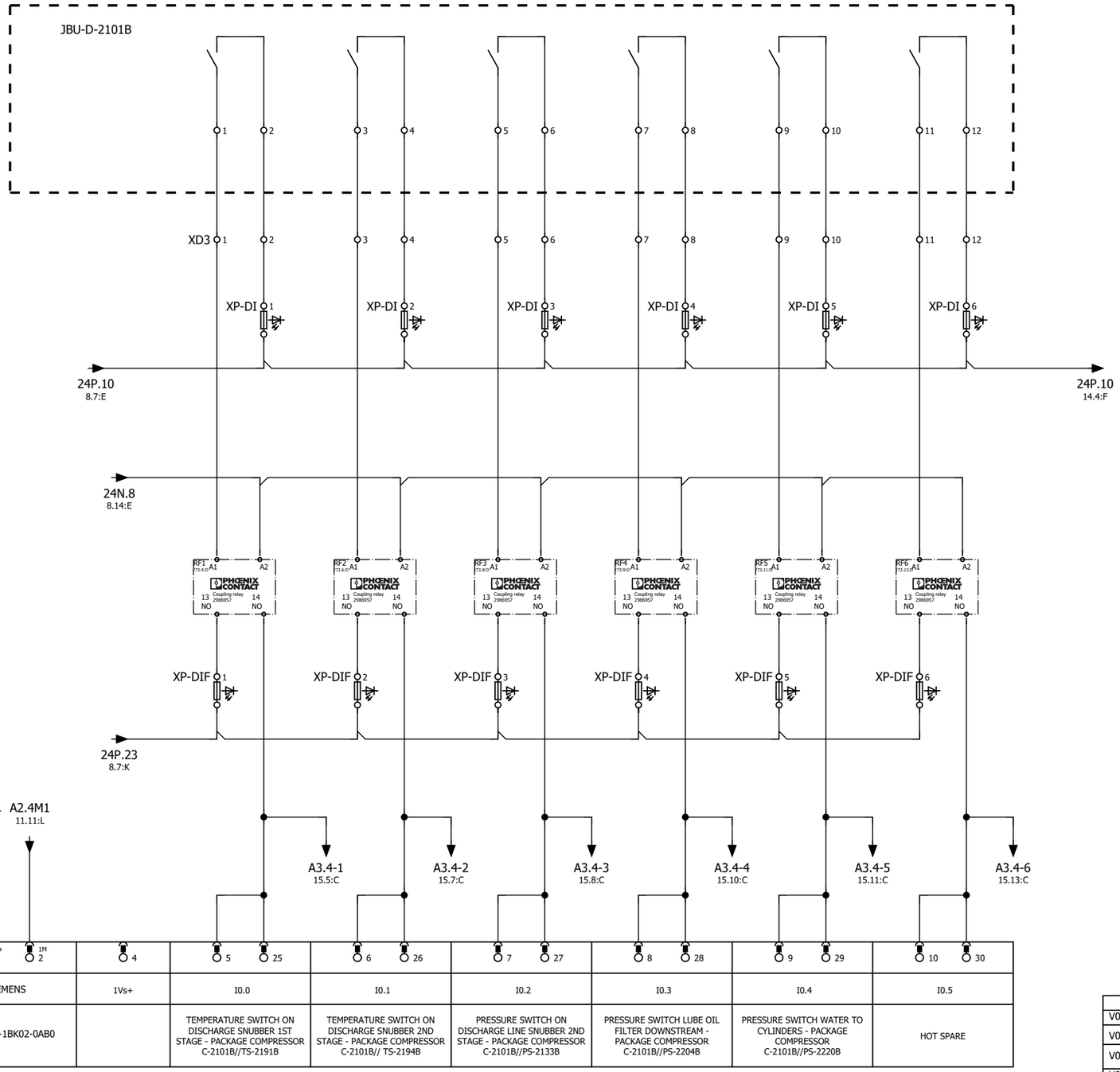
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PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	92 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.4 /14.1:M /15.1:L	X1 1L+ 1	1M 2	4	5 25	6 26	7 27	8 28	9 29	10 30
	SIEMENS		1Vs+	I0.0	I0.1	I0.2	I0.3	I0.4	I0.5
	6ES7326-1BK02-0AB0			TEMPERATURE SWITCH ON DISCHARGE SNUBBER 1ST STAGE - PACKAGE COMPRESSOR C-2101B//TS-2191B	TEMPERATURE SWITCH ON DISCHARGE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101B// TS-2194B	PRESSURE SWITCH ON DISCHARGE LINE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101B//PS-2133B	PRESSURE SWITCH LUBE OIL FILTER DOWNSTREAM - PACKAGE COMPRESSOR C-2101B//PS-2204B	PRESSURE SWITCH WATER TO CYLINDERS - PACKAGE COMPRESSOR C-2101B//PS-2220B	HOT SPARE

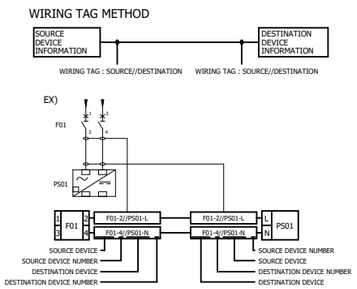
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V00	*******	*******	*******	*******	*******
V01					
V02					
V03					
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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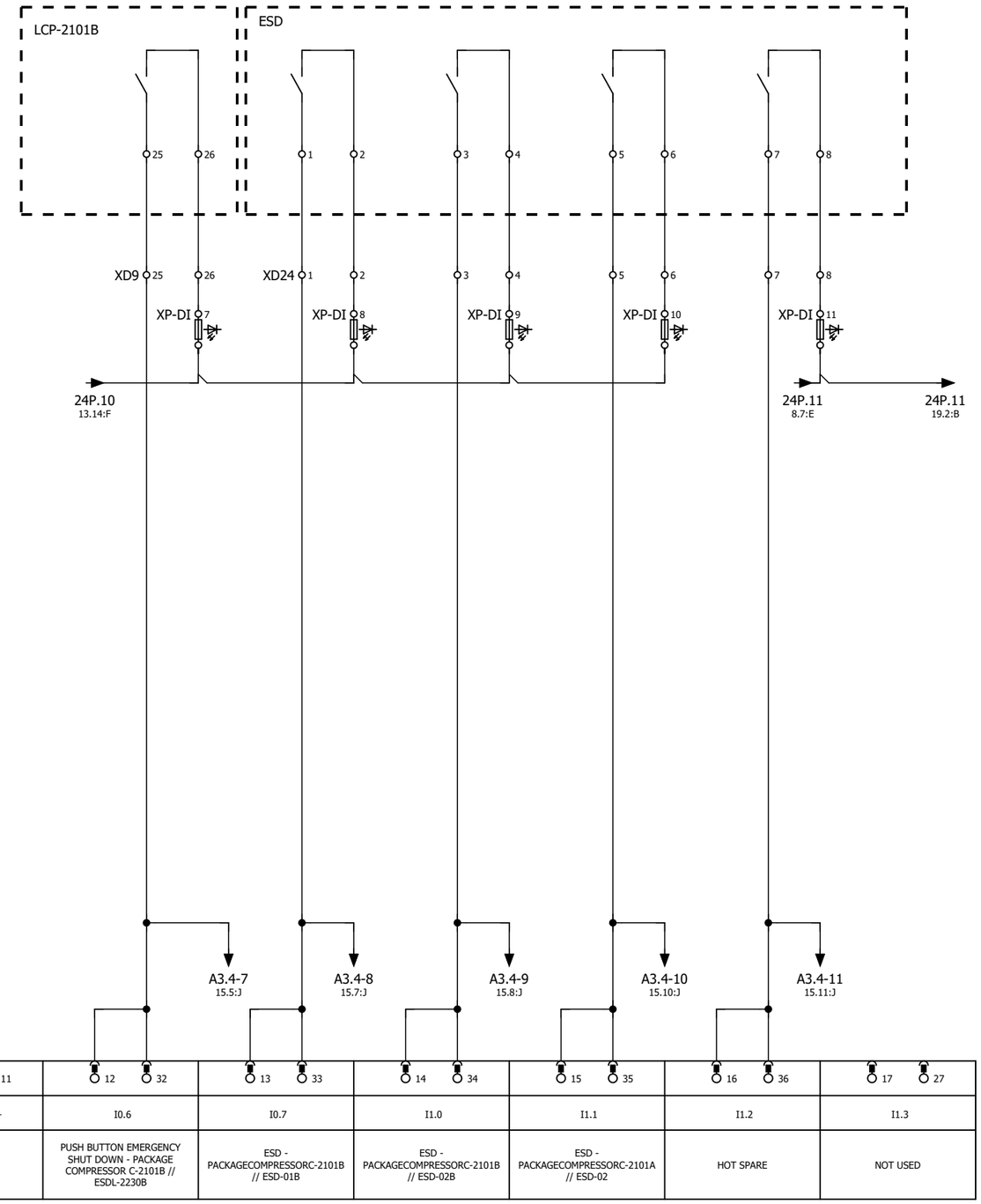
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

HAVAYAR

KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	93 OF 335	00



A2.4
/13.1:M
/15.1:L

X1 2L+ 21 / 2M 22	11	12 / 32	13 / 33	14 / 34	15 / 35	16 / 36	17 / 27
SIEMENS	2Vs+	I0.6	I0.7	I1.0	I1.1	I1.2	I1.3
6ES7326-1BK02-0AB0		PUSH BUTTON EMERGENCY SHUT DOWN - PACKAGE COMPRESSOR C-2101B // ESDL-2230B	ESD - PACKAGECOMPRESSORC-2101B // ESD-01B	ESD - PACKAGECOMPRESSORC-2101B // ESD-02B	ESD - PACKAGECOMPRESSORC-2101A // ESD-02	HOT SPARE	NOT USED

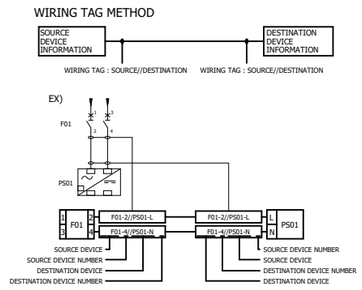
GENERAL NOTES

LEGEND

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KEY PLAN

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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		CHECKED		REV. APPR.	

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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HAVAYAR

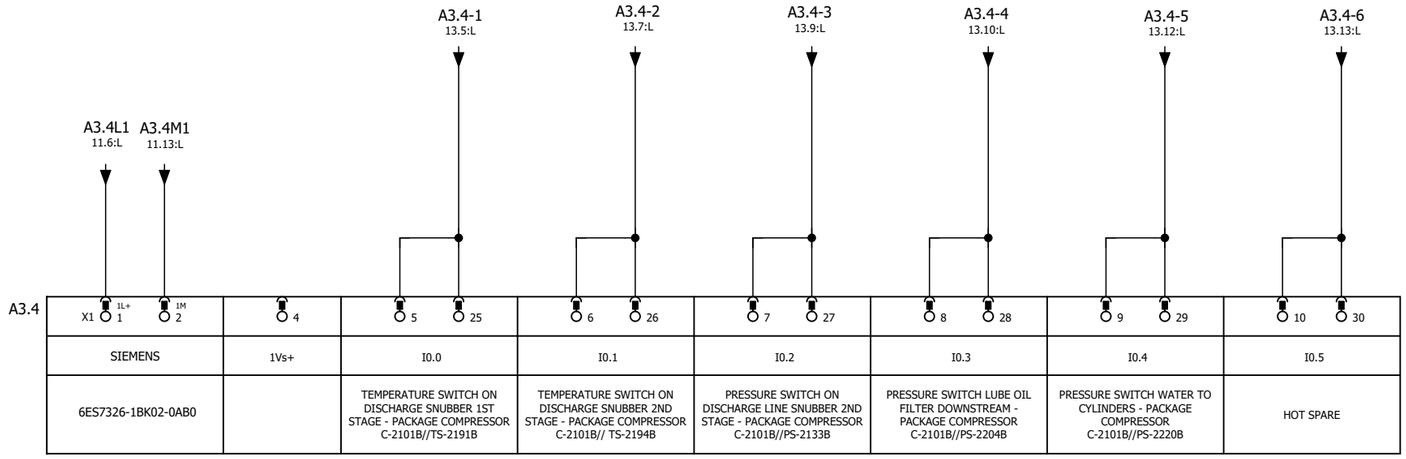
KwangShin

DRAWING TITLE:

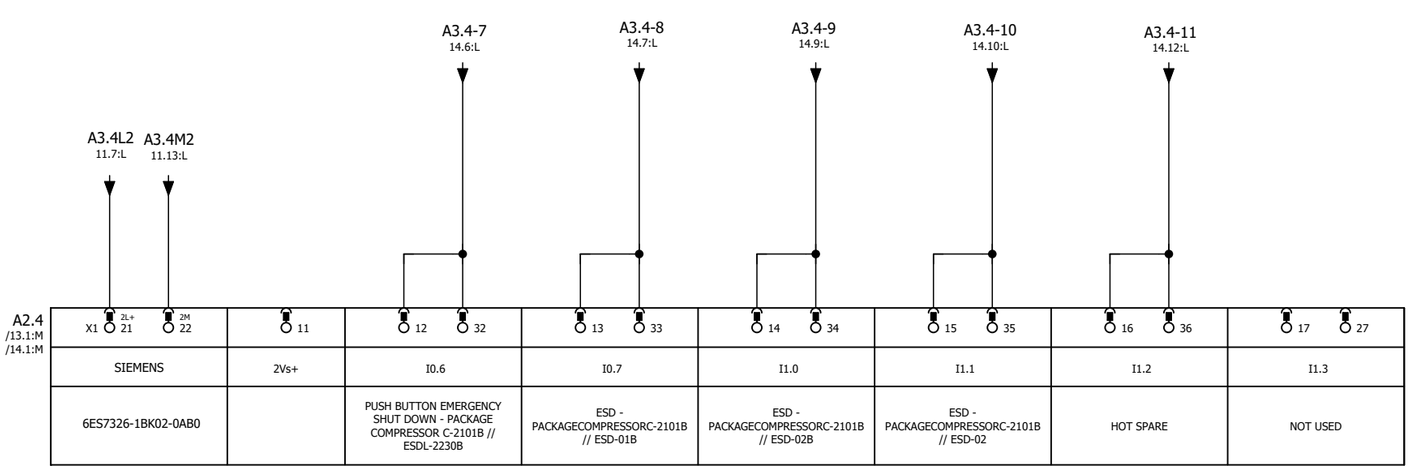
PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	94 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	1Vs+	I0.0	I0.1	I0.2	I0.3	I0.4	I0.5
6ES7326-1BK02-0AB0		TEMPERATURE SWITCH ON DISCHARGE SNUBBER 1ST STAGE - PACKAGE COMPRESSOR C-2101B//TS-2191B	TEMPERATURE SWITCH ON DISCHARGE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101B// TS-2194B	PRESSURE SWITCH ON DISCHARGE LINE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101B//PS-2133B	PRESSURE SWITCH LUBE OIL FILTER DOWNSTREAM - PACKAGE COMPRESSOR C-2101B//PS-2204B	PRESSURE SWITCH WATER TO CYLINDERS - PACKAGE COMPRESSOR C-2101B//PS-2220B	HOT SPARE



SIEMENS	2Vs+	I0.6	I0.7	I1.0	I1.1	I1.2	I1.3
6ES7326-1BK02-0AB0		PUSH BUTTON EMERGENCY SHUT DOWN - PACKAGE COMPRESSOR C-2101B // ESDL-2230B	ESD - PACKAGECOMPRESSORC-2101B // ESD-01B	ESD - PACKAGECOMPRESSORC-2101B // ESD-02B	ESD - PACKAGECOMPRESSORC-2101B // ESD-02	HOT SPARE	NOT USED

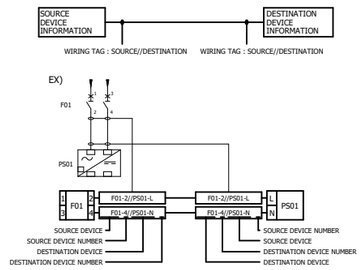
GENERAL NOTES

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KEY PLAN

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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HAVAYAR

KwangShin Reputable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	95 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A2.5

6ES7326-2BF10-0AB0	ESD - PACKAGECOMPRESSOR C-2101B // USD-05B	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
SIEMENS	Q8.0	Q8.1	Q8.2	Q8.3	Q8.4	Q8.5	Q8.6	Q8.7	Q9.0	Q9.1	
2L+ 17 / 3L+ 37 / 2M 19 / 3M 39	3	6	9	12	15	23	26	29	32	35	1L+ 21 / 1M 22

12.14:F A2.5-2L+ / 12.15:F A2.5-3L+ / 12.7:I A2.5-2M / 12.8:I A2.5-3M

-A3-5:3 16.6:L

-A3-5:6 16.7:L

12.14:F A2.5-1L+

12.7:I A2.5-1M

RF7/A1 / 78.18:G

24N.27 / 8.14:J

RF7 73.4:3 A1 A2 — PHOENIX CONTACT Coupling relay 2986957 — 13 NO 14 NO

RF8 73.6:3 A1 A2 — PHOENIX CONTACT Coupling relay 2986957 — 13 NO 14 NO

XD24 9 10 11 12

ESD

9 10 11 12

A3.5

6ES7326-2BF10-0AB0	ESD - PACKAGECOMPRESSOR C-2101B // USD-05B	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
SIEMENS	Q8.0	Q8.1	Q8.2	Q8.3	Q8.4	Q8.5	Q8.6	Q8.7	Q9.0	Q9.1	
2L+ 17 / 3L+ 37 / 2M 19 / 3M 39	3	6	9	12	15	23	26	29	32	35	1L+ 21 / 1M 22

12.16:F A3.5-2L+ / 12.17:F A3.5-3L+ / 12.10:K A3.5-2M / 12.10:I A3.5-3M

16.6:C -A3-5:3

16.7:C -A3-5:6

12.16:F A3.5-1L+

12.9:K A3.5-1M

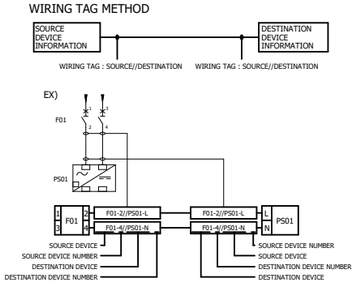
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
V00	*******	*******	*******	*******	*******
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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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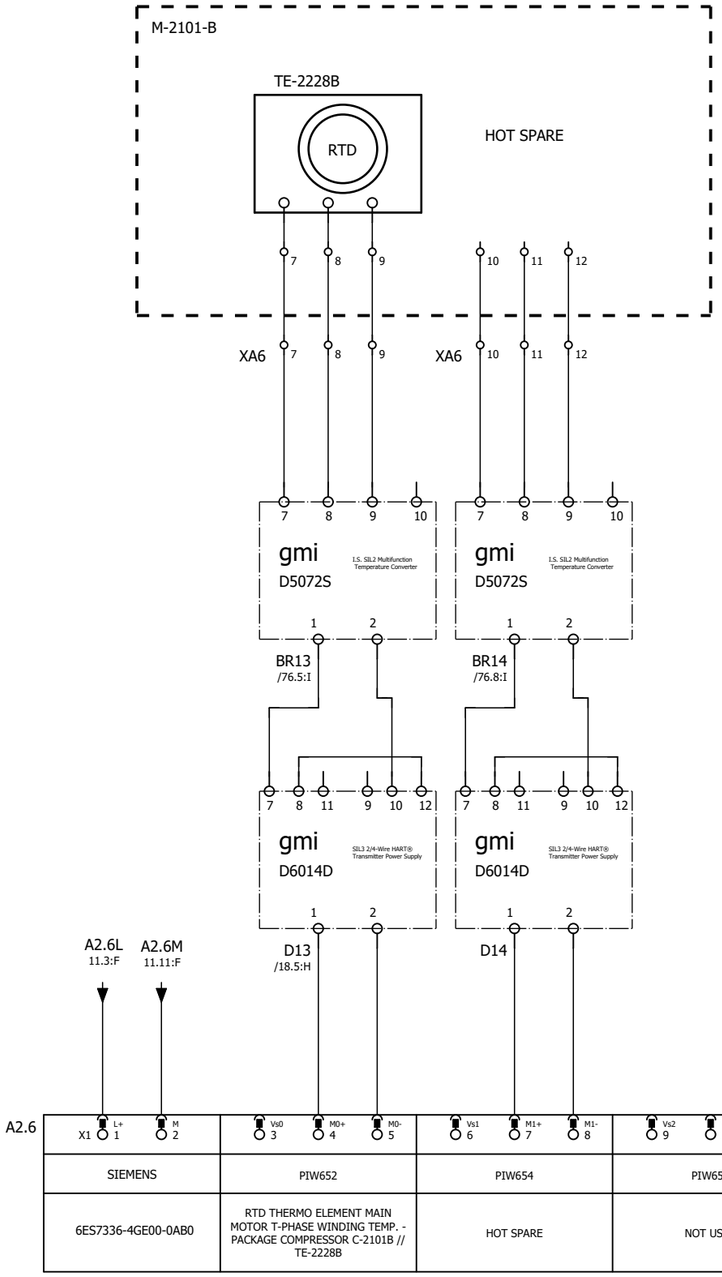
HAVAYAR

KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	96 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.6							
	X1 L+ 1 M 2	Vs0 3 M0+ 4 M0- 5	Vs1 6 M1+ 7 M1- 8	Vs2 9 M2+ 10 M2- 11	Vs3 12 M3+ 13 M3- 14	Vs4 15 M4+ 16 M4- 17	Vs5 18 M5+ 19 M5- 20
	SIEMENS	PIW652	PIW654	PIW656	PIW658	PIW660	PIW662
	6ES7336-4GE00-0AB0	RTD THERMO ELEMENT MAIN MOTOR T-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101B // TE-2228B	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED

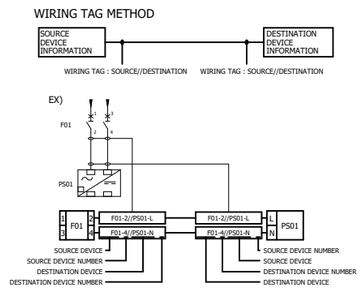
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
V03					
V02					
V01					
V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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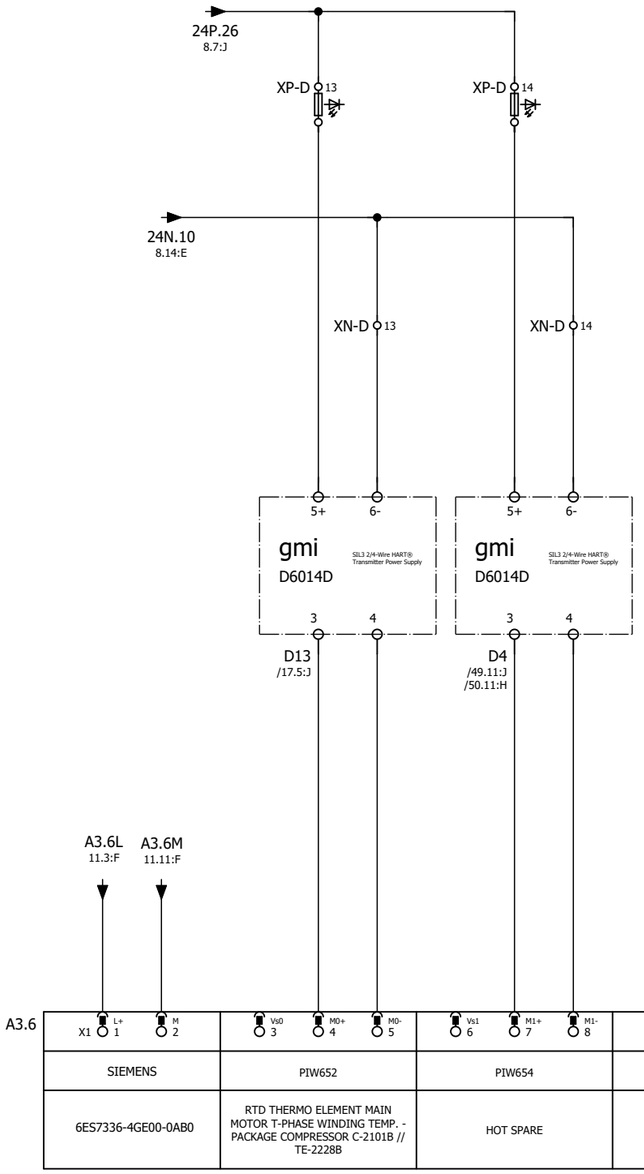
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KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	97 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654	PIW656	PIW658	PIW660	PIW662
6ES7336-4GE00-0AB0	RTD THERMO ELEMENT MAIN MOTOR T-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101B // TE-2228B	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED

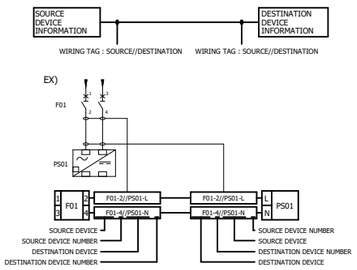
GENERAL NOTES

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V03					
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V00	*******	*******	*******	*******	*******
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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PROJECT NO.: 971020

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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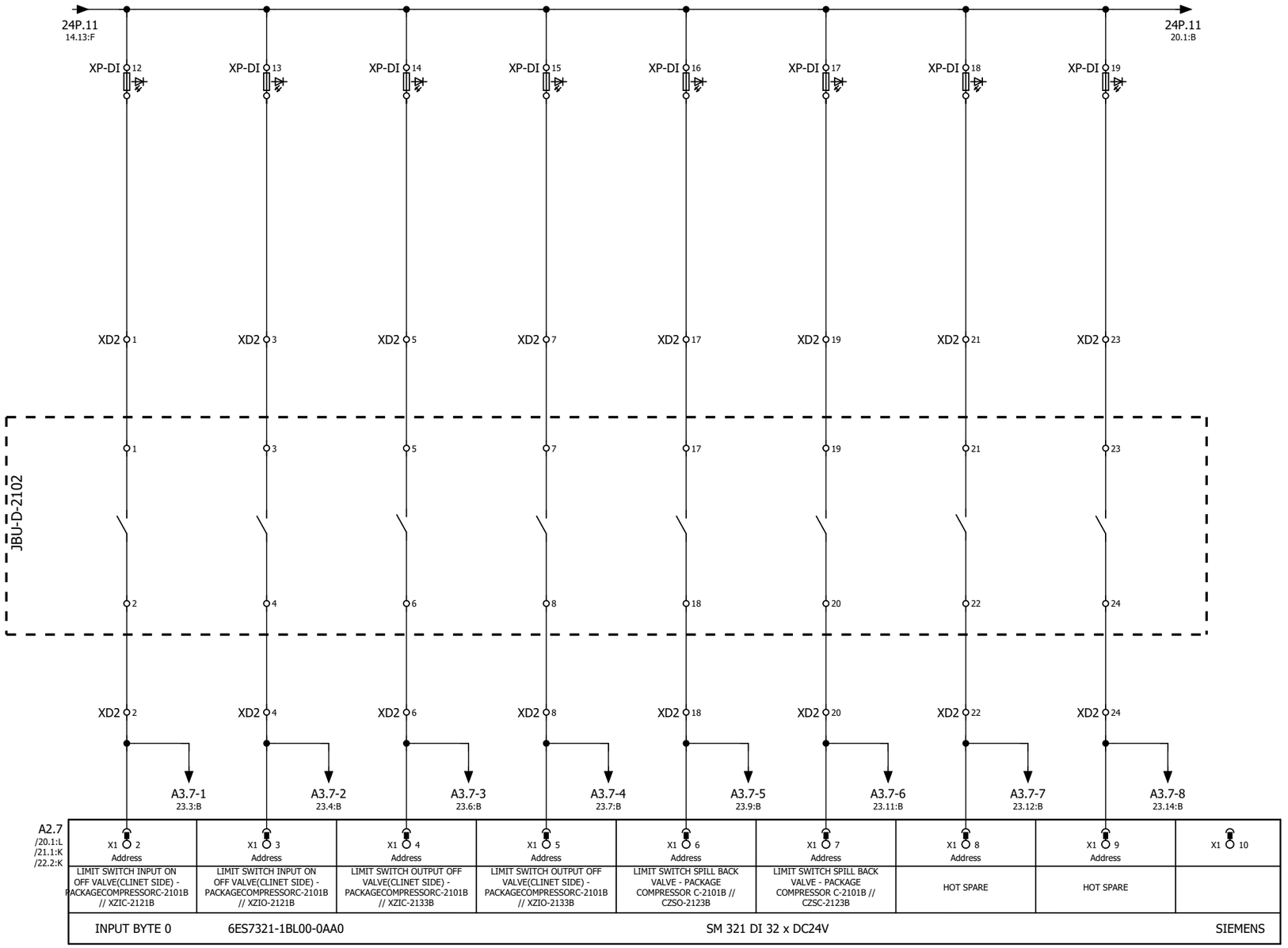
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	98 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.7
/20.1:L
/21.1:K
/22.2:K

X1 2	X1 3	X1 4	X1 5	X1 6	X1 7	X1 8	X1 9	X1 10
Address	Address	Address	Address	Address	Address	Address	Address	
LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // XZIC-2121B	LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // XZIO-2121B	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // XZIC-2133B	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // XZIO-2133B	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101B // CZSO-2123B	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101B // CZSC-2123B	HOT SPARE	HOT SPARE	

INPUT BYTE 0 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

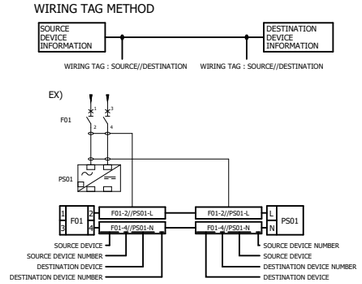
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SURFACE FACILITIES

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HAVAYAR

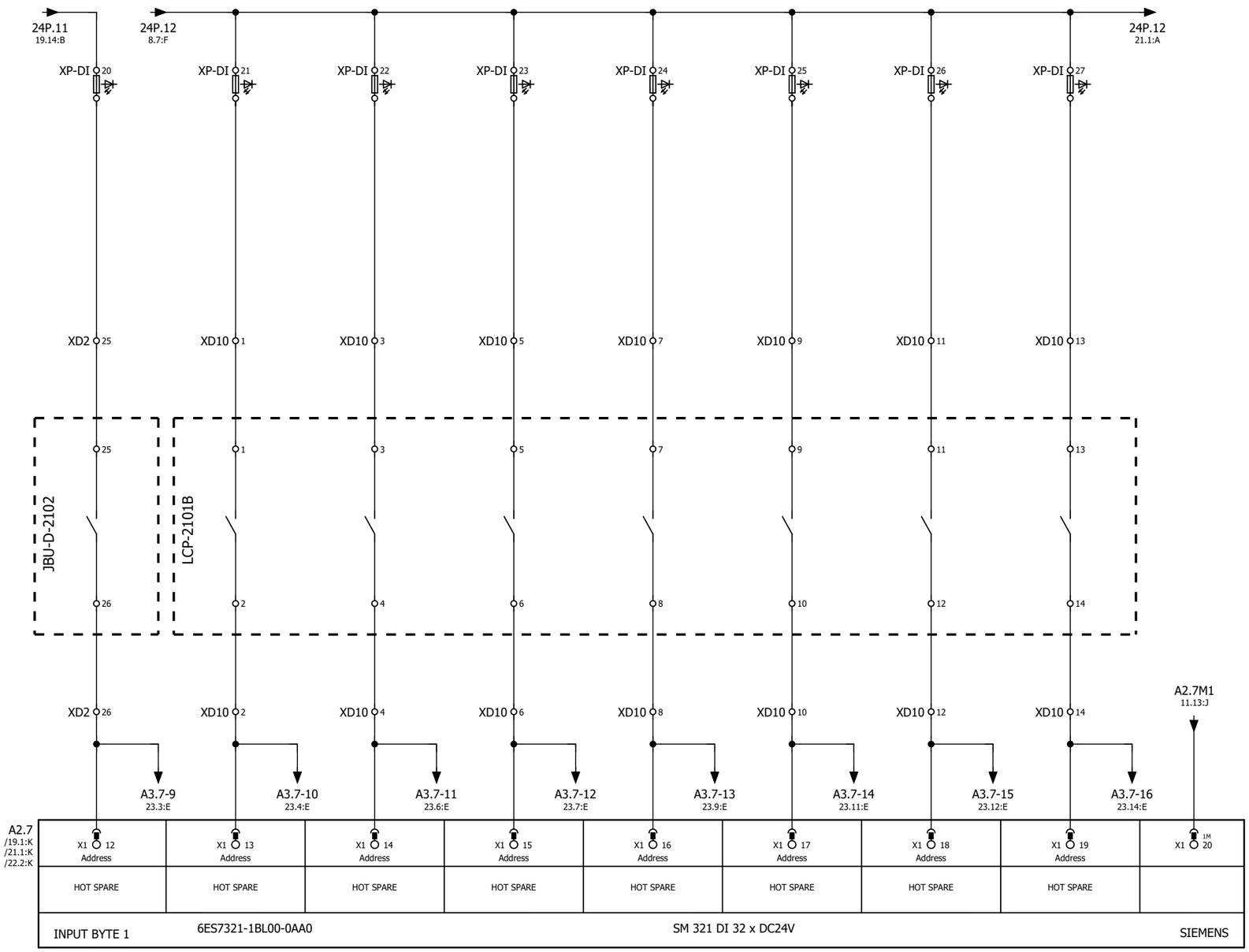
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	99 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



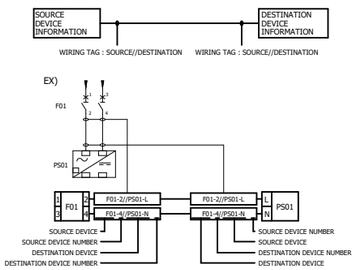
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
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V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.:	971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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APPROVED FOR CONSTRUCTION		BY:	DATE:

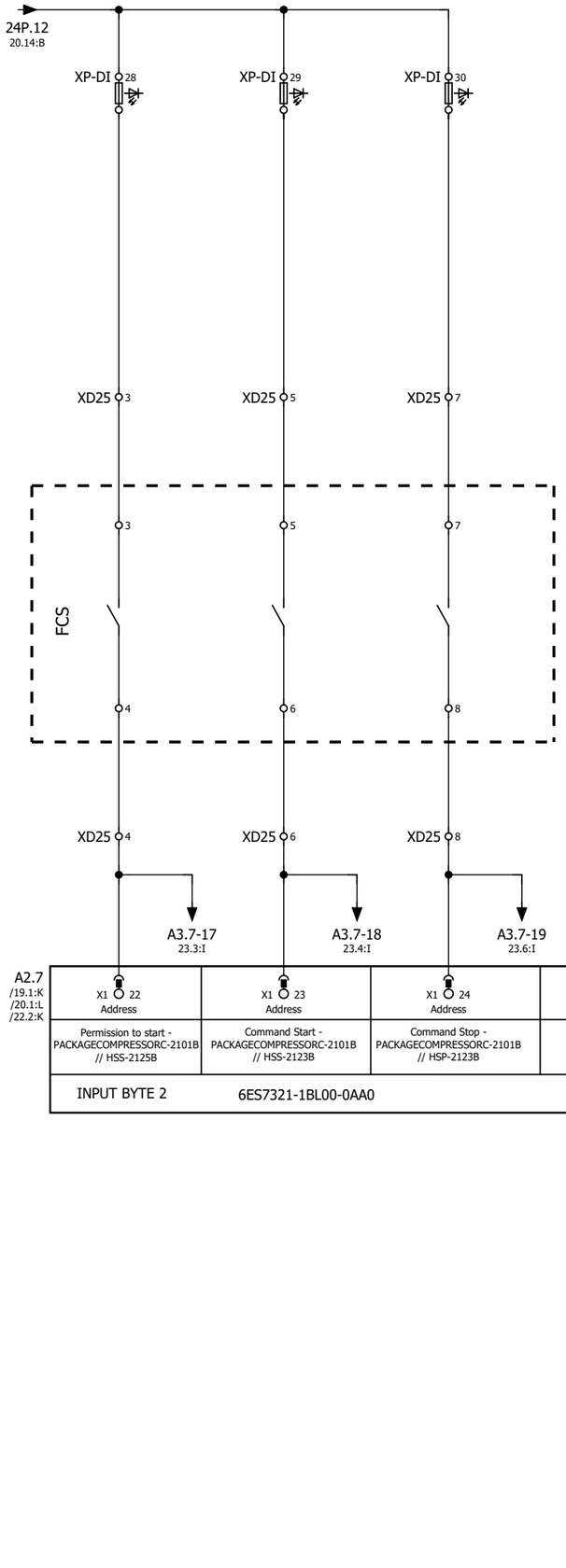
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DRAWING TITLE:
PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	100 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.7 /19.1:K /20.1:L /22.2:K	X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30
	Permission to start - PACKAGECOMPRESSORC-2101B // HSS-2125B	Command Start - PACKAGECOMPRESSORC-2101B // HSS-2123B	Command Stop - PACKAGECOMPRESSORC-2101B // HSP-2123B	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 2	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

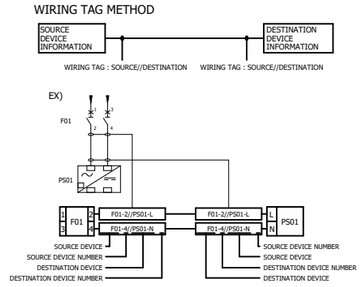
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

KEY PLAN

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	101 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A2.7M2
11.13:J

A2.7 /19.1:K /20.1:L /21.1:K									
	X1 32 Address	X1 33 Address	X1 34 Address	X1 35 Address	X1 36 Address	X1 37 Address	X1 38 Address	X1 39 Address	X1 2M 40 Address
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
	INPUT BYTE 3	6ES7321-1BL00-0AA0			SM 321 DI 32 x DC24V				SIEMENS

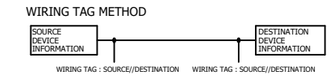
GENERAL NOTES

LEGEND

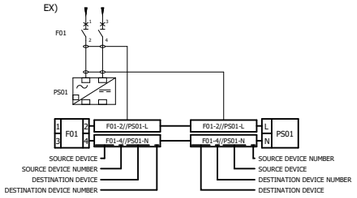
REFERENCE DRAWING	DRG. NO.

KEY PLAN

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EX)



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
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V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
V00	*******	*******	*******	*******	*******

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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KwangShin Reciprocating Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	102 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

	A3.7-1	A3.7-2	A3.7-3	A3.7-4	A3.7-5	A3.7-6	A3.7-7	A3.7-8	
	19.3:K	19.4:K	19.6:K	19.8:K	19.9:K	19.11:K	19.12:K	19.14:K	
A3.7 /23.2:F /23.2:I /23.2:L	X1 2 Address	X1 3 Address	X1 4 Address	X1 5 Address	X1 6 Address	X1 7 Address	X1 8 Address	X1 9 Address	X1 10
	LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // XZIC-2121B	LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // XZIO-2121B	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // XZIC-2133B	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // XZIO-2133B	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101B // CZSO-2123B	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101B // CZSC-2123B	HOT SPARE	HOT SPARE	
INPUT BYTE 0	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

	A3.7-9	A3.7-10	A3.7-11	A3.7-12	A3.7-13	A3.7-14	A3.7-15	A3.7-16	A3.7M1
	20.3:K	20.4:K	20.6:K	20.7:K	20.9:K	20.11:K	20.12:K	20.14:K	11.14:J
A3.7 /23.2:C /23.2:I /23.2:L	X1 12 Address	X1 13 Address	X1 14 Address	X1 15 Address	X1 16 Address	X1 17 Address	X1 18 Address	X1 19 Address	X1 1M 20
	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	
INPUT BYTE 1	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

	A3.7-17	A3.7-18	A3.7-19						
	21.3:K	21.4:K	21.6:K						
A3.7 /23.2:C /23.2:F /23.2:L	X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30
	Permission to start - PACKAGECOMPRESSORC-2101B // HSS-2125B	Command Start - PACKAGECOMPRESSORC-2101B // HSS-2123B	Command Stop - PACKAGECOMPRESSORC-2101B// HSP-2123B	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 2	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

									A3.7M2
									11.14:J
A3.7 /23.2:C /23.2:F /23.2:I	X1 32 Address	X1 33 Address	X1 34 Address	X1 35 Address	X1 36 Address	X1 37 Address	X1 38 Address	X1 39 Address	X1 2M 40
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 3	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

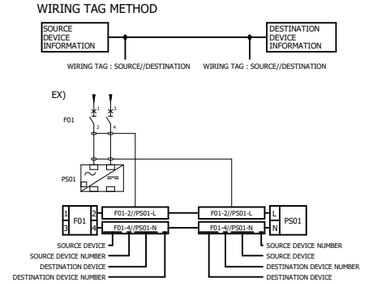
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

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V03						
V02						
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.

Rev.	DESCRIPTION	BY	DATE	BY	DATE
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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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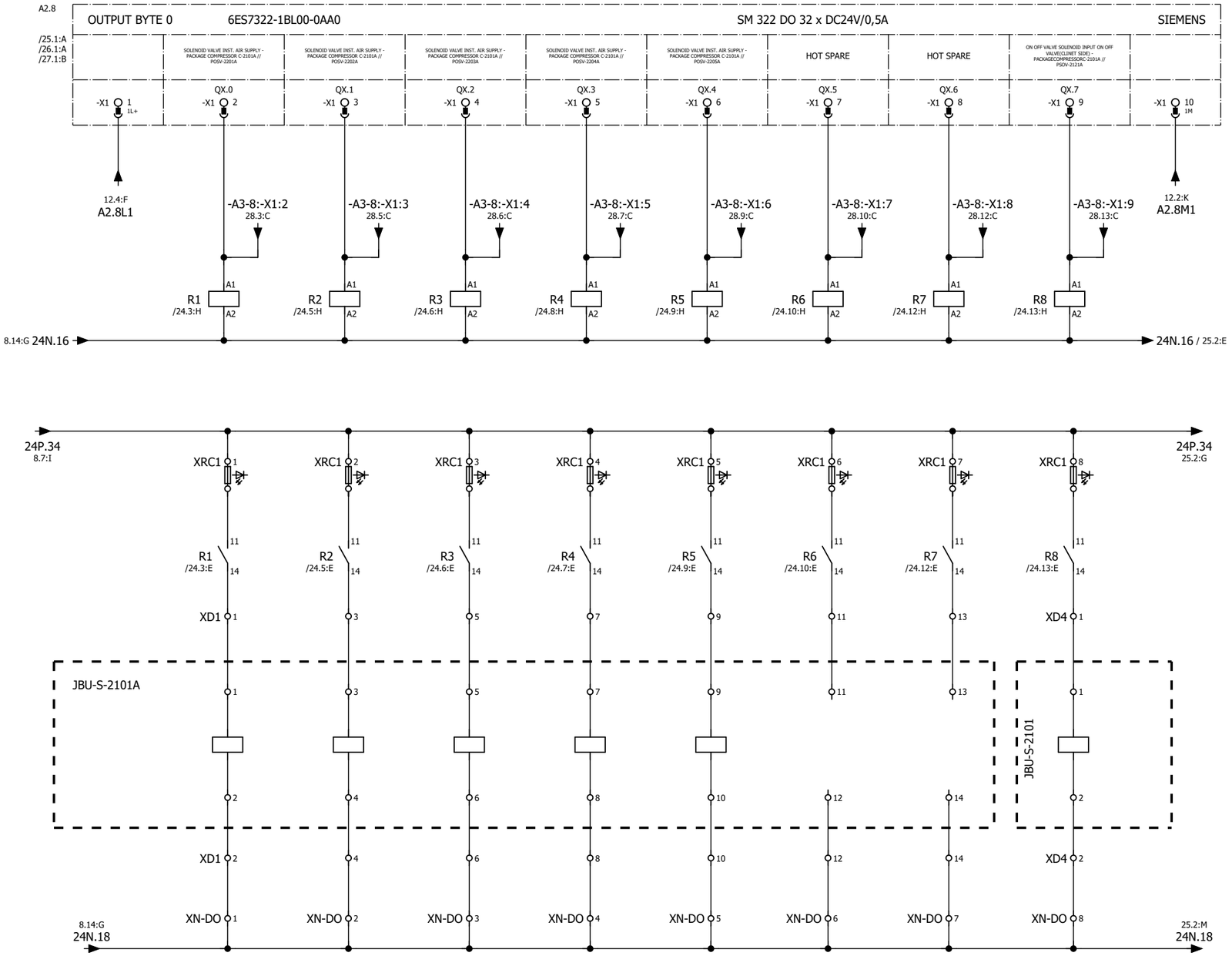
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	103 OF 335	00



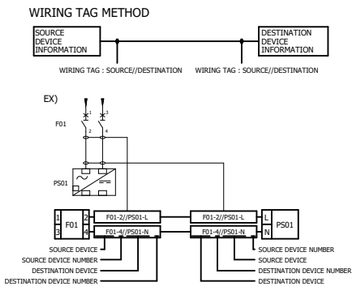
GENERAL NOTES

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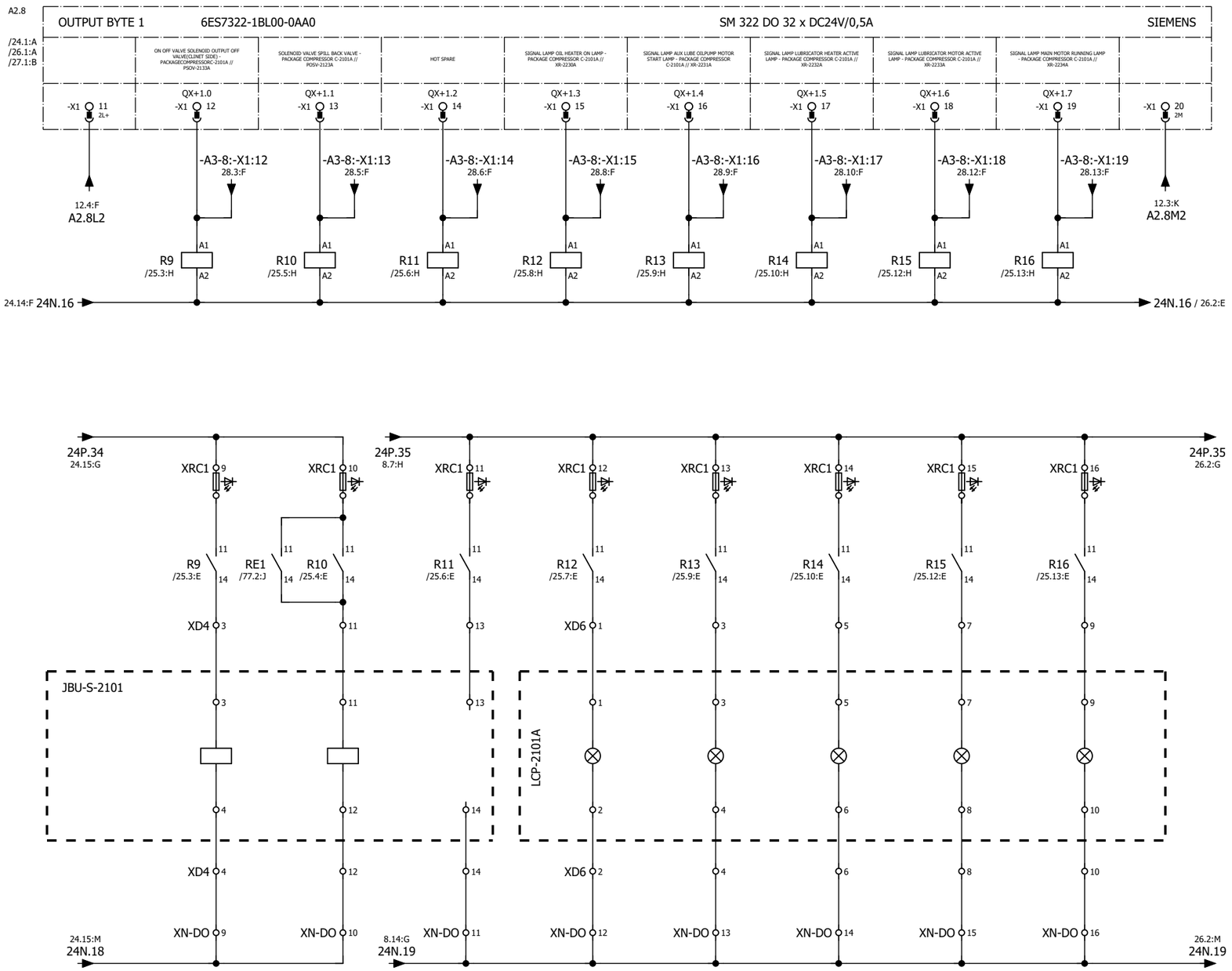
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

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KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	104 OF 335	00



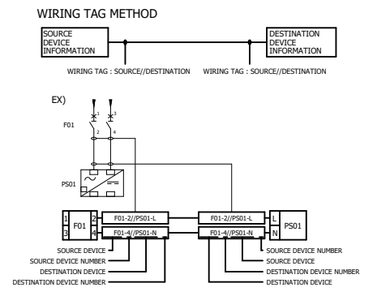
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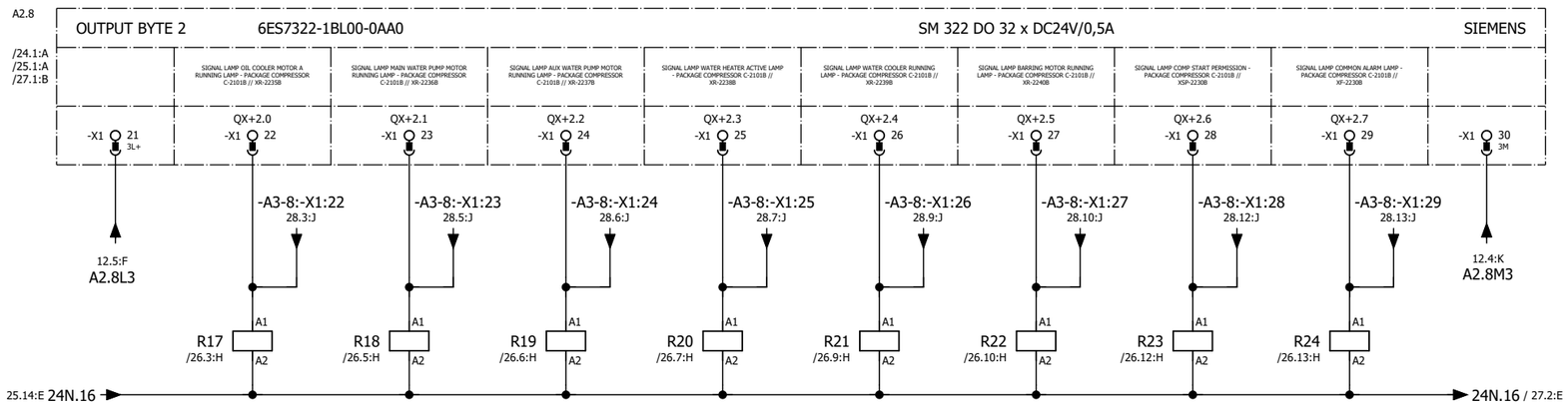
KwangShin

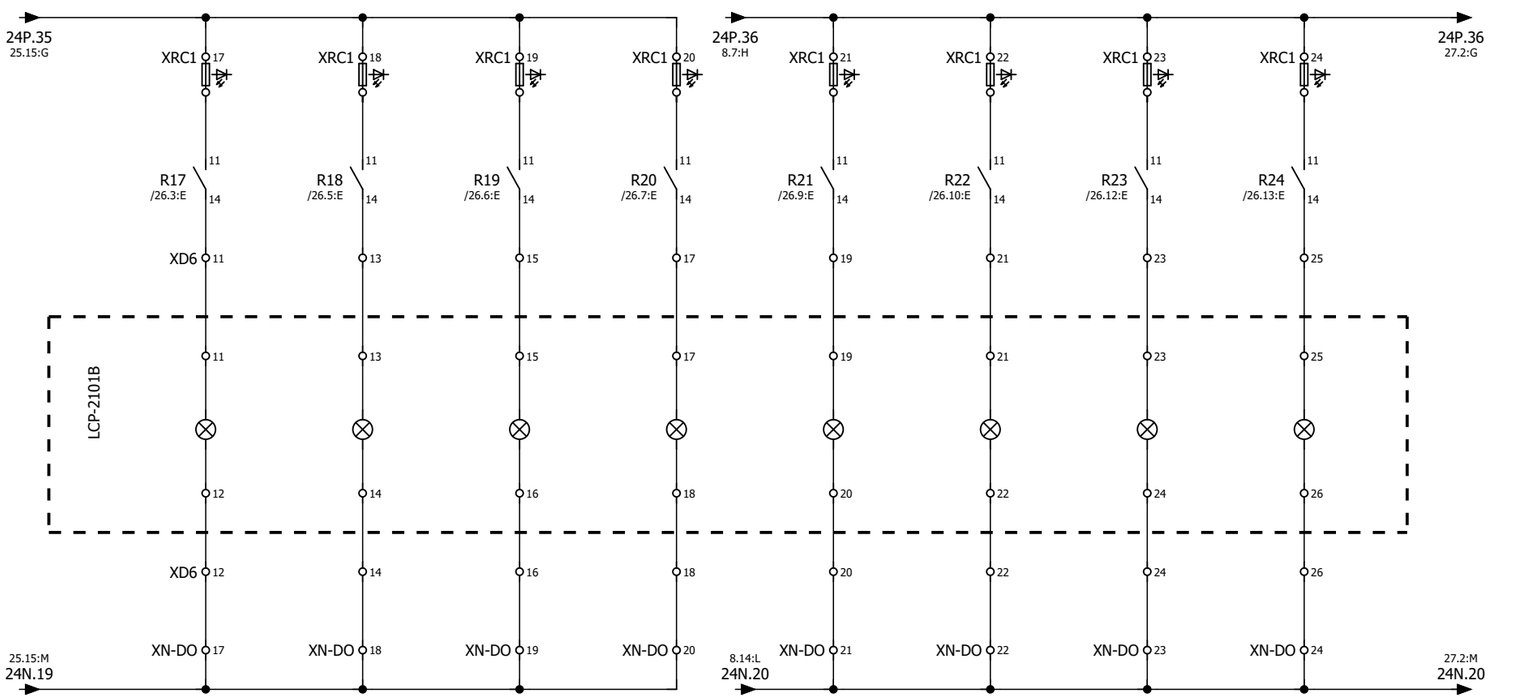
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SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	105 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





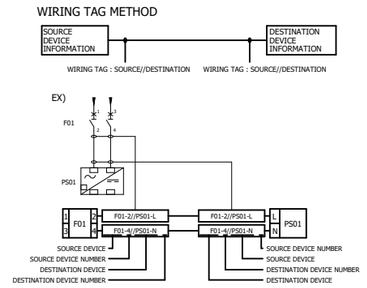
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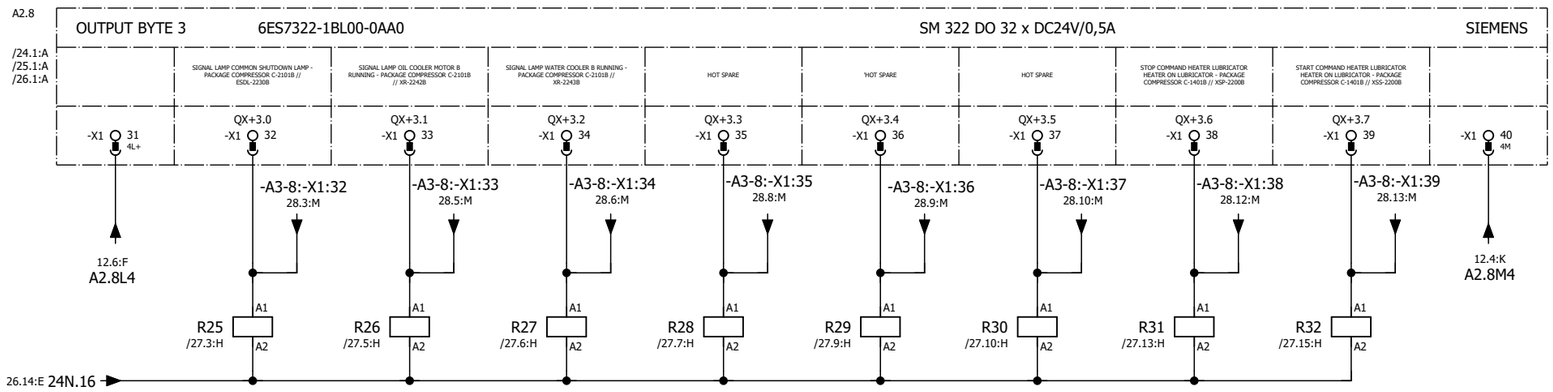
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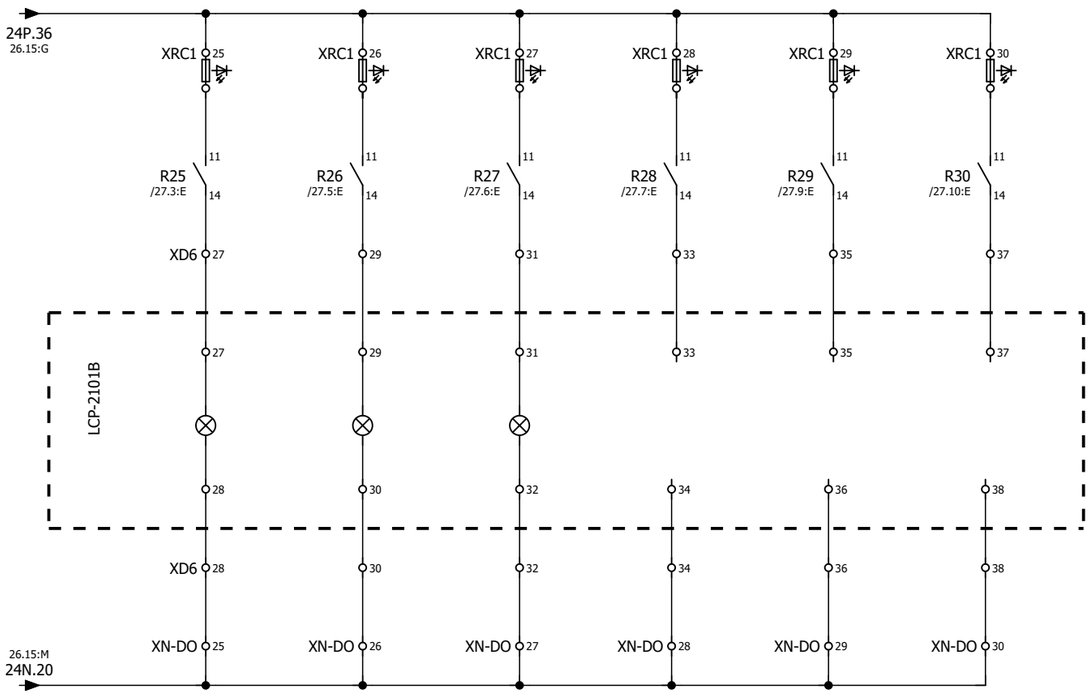
KwangShin

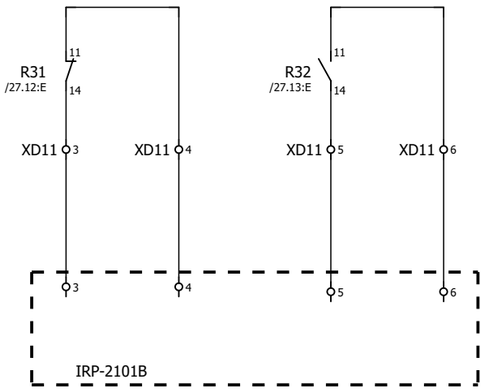
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	106 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION







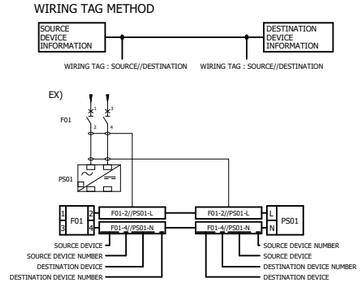
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V00	*******	*******	*******	*******	*******
		CHECKED		REV. APPR.	

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

اصل و کلیه نسخه این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

HAVAYAR

KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	107 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A3.8

OUTPUT BYTE 0 | 6ES7322-1BL00-0AA0 | SM 322 DO 32 x DC24V/0,5A | SIEMENS

/28.1:G
/28.1:D
/28.2:J

	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101B // PDSV-2201B	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101B // PDSV-2202B	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101B // PDSV-2203B	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101B // PDSV-2204B	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101B // PDSV-2205B	SOLENOID VALVE SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101B // PDSV-2123B	HOT SPARE	ON OFF VALVE SOLENOID INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // PSOV-2121B	
-X1 1 1L+	QX.0 -X1 2	QX.1 -X1 3	QX.2 -X1 4	QX.3 -X1 5	QX.4 -X1 6	QX.5 -X1 7	QX.6 -X1 8	QX.7 -X1 9	-X1 10 1M
12.6:F A3.8L1	24.4:D -A3-8:-X1:2	24.5:D -A3-8:-X1:3	24.6:D -A3-8:-X1:4	24.8:D -A3-8:-X1:5	24.9:D -A3-8:-X1:6	24.11:D -A3-8:-X1:7	24.12:D -A3-8:-X1:8	24.14:D -A3-8:-X1:9	12.5:K A3.8M1

A3.8

OUTPUT BYTE 1 | 6ES7322-1BL00-0AA0 | SM 322 DO 32 x DC24V/0,5A | SIEMENS

/28.1:A
/28.1:G
/28.2:J

	ON OFF VALVE SOLENOID OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101B // PSOV-2133B	HOT SPARE	HOT SPARE	SIGNAL LAMP OIL HEATER ON LAMP - PACKAGE COMPRESSOR C-2101B // XR-2230B	SIGNAL LAMP AUX LUBE OILPUMP MOTOR START LAMP - PACKAGE COMPRESSOR C-2101B // XR-2231B	SIGNAL LAMP LUBRICATOR HEATER ACTIVE LAMP - PACKAGE COMPRESSOR C-2101B // XR-2232B	SIGNAL LAMP LUBRICATOR MOTOR ACTIVE LAMP - PACKAGE COMPRESSOR C-2101B // XR-2233B	SIGNAL LAMP MAIN MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101B // XR-2234B	
-X1 11 2L+	QX+1.0 -X1 12	QX+1.1 -X1 13	QX+1.2 -X1 14	QX+1.3 -X1 15	QX+1.4 -X1 16	QX+1.5 -X1 17	QX+1.6 -X1 18	QX+1.7 -X1 19	-X1 20 2M
12.7:F A3.8L2	25.3:D -A3-8:-X1:12	25.5:D -A3-8:-X1:13	25.6:D -A3-8:-X1:14	25.8:D -A3-8:-X1:15	25.9:D -A3-8:-X1:16	25.11:D -A3-8:-X1:17	25.12:D -A3-8:-X1:18	25.13:D -A3-8:-X1:19	12.6:K A3.8M2

A3.8

OUTPUT BYTE 2 | 6ES7322-1BL00-0AA0 | SM 322 DO 32 x DC24V/0,5A | SIEMENS

/28.1:A
/28.1:D
/28.2:J

	SIGNAL LAMP OIL COOLER MOTOR A RUNNING LAMP - PACKAGE COMPRESSOR C-2101B // XR-2235B	SIGNAL LAMP MAIN WATER PUMP MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101B // XR-2236B	SIGNAL LAMP AUX WATER PUMP MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101B // XR-2237B	SIGNAL LAMP WATER HEATER ACTIVE LAMP - PACKAGE COMPRESSOR C-2101B // XR-2238B	SIGNAL LAMP WATER COOLER RUNNING LAMP - PACKAGE COMPRESSOR C-2101B // XR-2239B	SIGNAL LAMP BARRING MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101B // XR-2240B	SIGNAL LAMP COMP START PERMISSION - PACKAGE COMPRESSOR C-2101B // XSP-2230B	SIGNAL LAMP COMMON ALARM LAMP - PACKAGE COMPRESSOR C-2101B // XF-2230B	
-X1 21 3L+	QX+2.0 -X1 22	QX+2.1 -X1 23	QX+2.2 -X1 24	QX+2.3 -X1 25	QX+2.4 -X1 26	QX+2.5 -X1 27	QX+2.6 -X1 28	QX+2.7 -X1 29	-X1 30 3M
12.7:F A3.8L3	26.4:D -A3-8:-X1:22	26.5:D -A3-8:-X1:23	26.6:D -A3-8:-X1:24	26.8:D -A3-8:-X1:25	26.9:D -A3-8:-X1:26	26.11:D -A3-8:-X1:27	26.12:D -A3-8:-X1:28	26.14:D -A3-8:-X1:29	12.6:K A3.8M3

A3.8

OUTPUT BYTE 3 | 6ES7322-1BL00-0AA0 | SM 322 DO 32 x DC24V/0,5A | SIEMENS

/28.1:A
/28.1:G
/28.1:D

	SIGNAL LAMP COMMON SHUTDOWN LAMP - PACKAGE COMPRESSOR C-2101B // ESDL-2230B	SIGNAL LAMP OIL COOLER MOTOR B RUNNING - PACKAGE COMPRESSOR C-2101B // XR-2242B	SIGNAL LAMP WATER COOLER B RUNNING - PACKAGE COMPRESSOR C-2101B // XR-2243B	HOT SPARE	'HOT SPARE	HOT SPARE	STOP COMMAND HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401B // XSP-2200B	START COMMAND HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401B // XSS-2200B	
-X1 31 4L+	QX+3.0 -X1 32	QX+3.1 -X1 33	QX+3.2 -X1 34	QX+3.3 -X1 35	QX+3.4 -X1 36	QX+3.5 -X1 37	QX+3.6 -X1 38	QX+3.7 -X1 39	-X1 40 4M
12.8:F A3.8L4	27.4:D -A3-8:-X1:32	27.5:D -A3-8:-X1:33	27.6:D -A3-8:-X1:34	27.8:D -A3-8:-X1:35	27.9:D -A3-8:-X1:36	27.11:D -A3-8:-X1:37	27.12:D -A3-8:-X1:38	27.14:D -A3-8:-X1:39	12.7:K A3.8M4

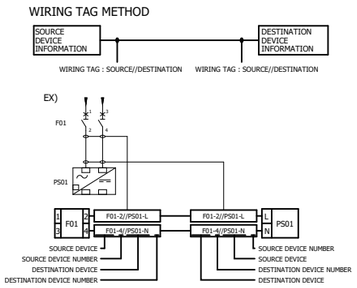
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	*******

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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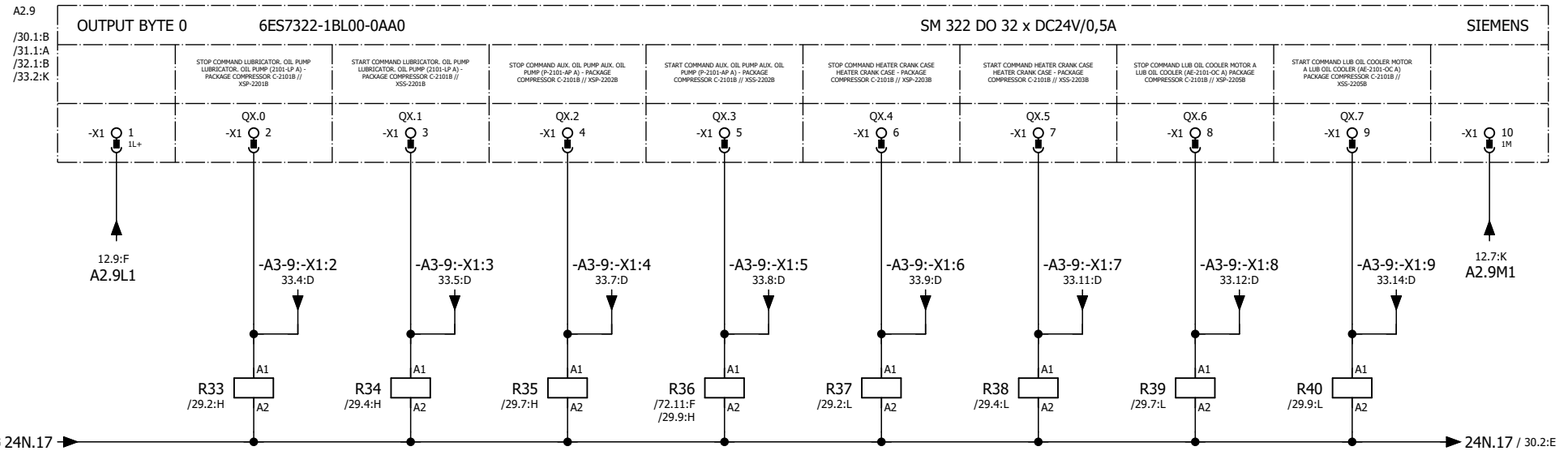
HAVAYAR

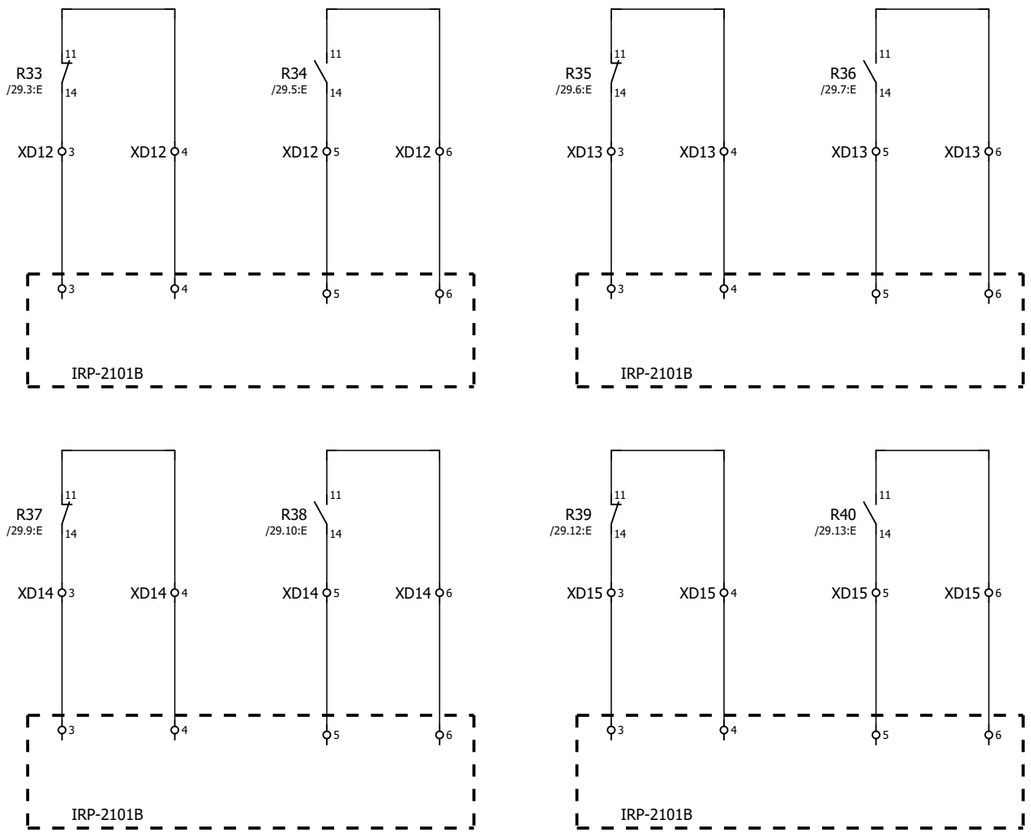
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	108 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





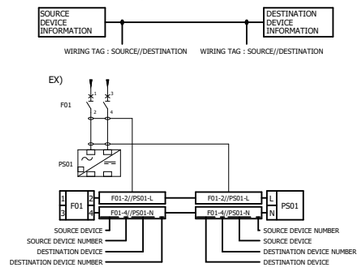
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	CHECKED	REV. APPR.
V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

V00	*******	*******	*******	*******	*******
Rev.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	

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PROJECT NO.:	971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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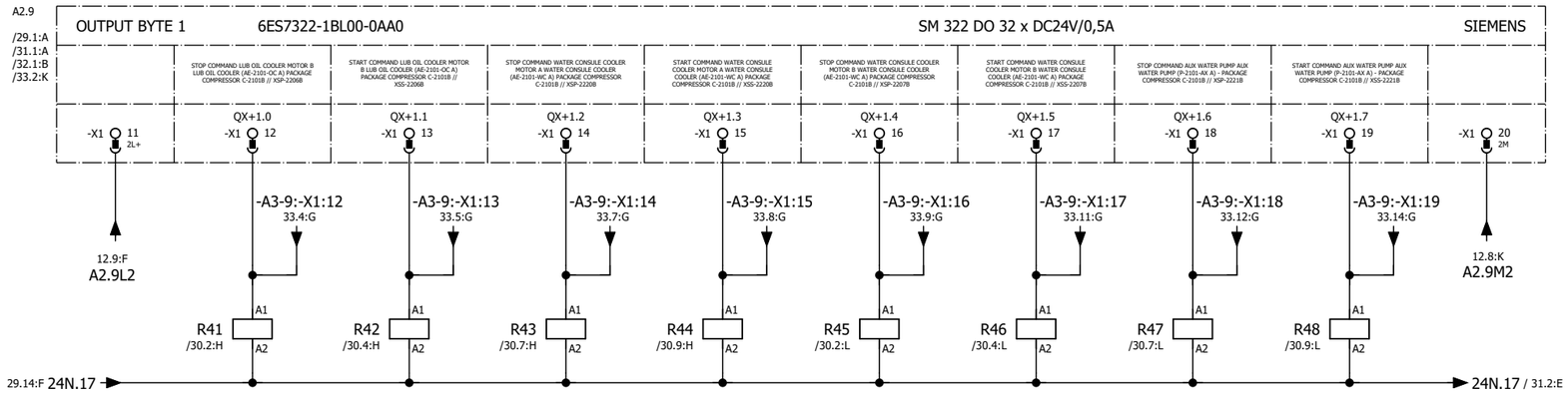
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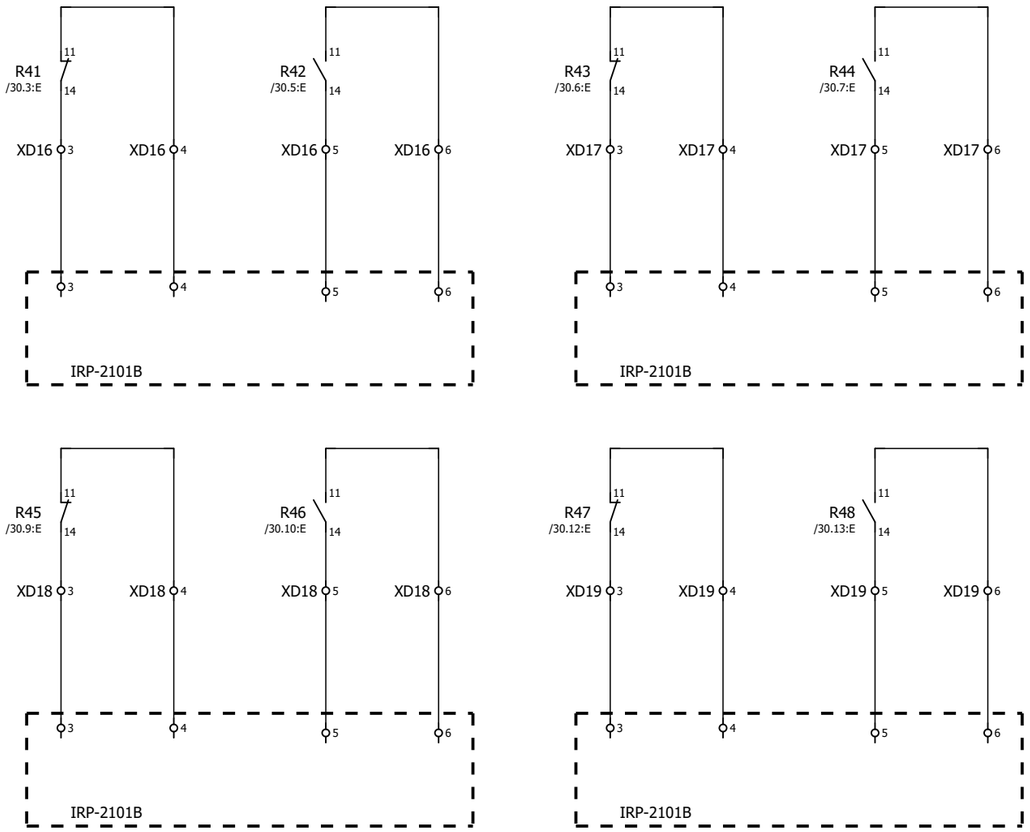
DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	109 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





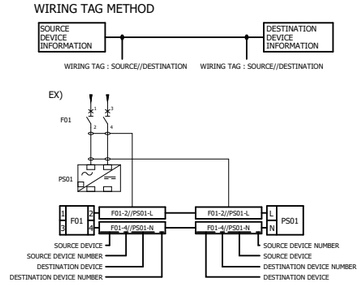
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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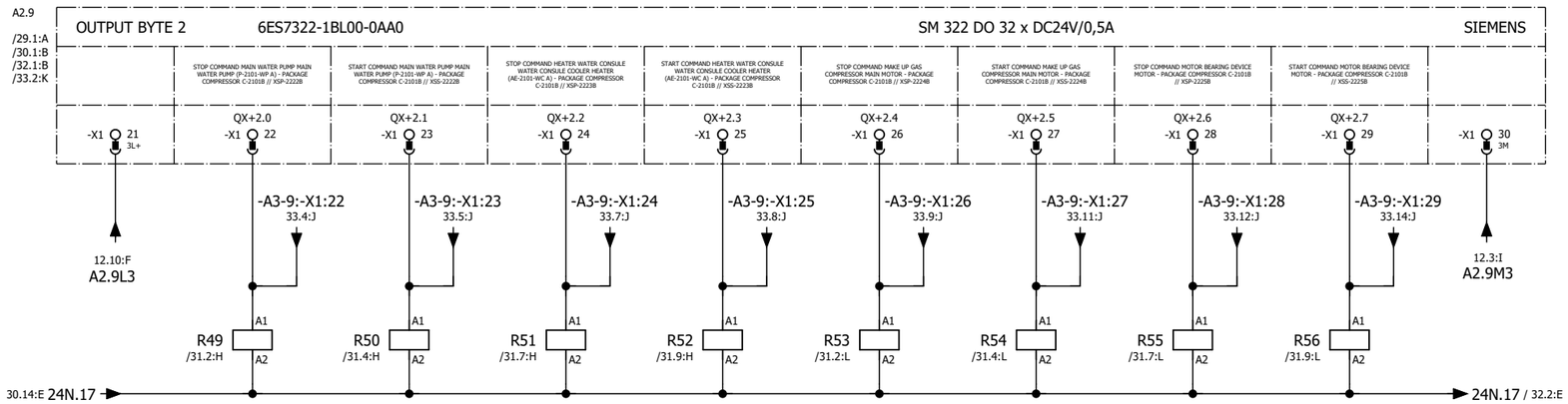
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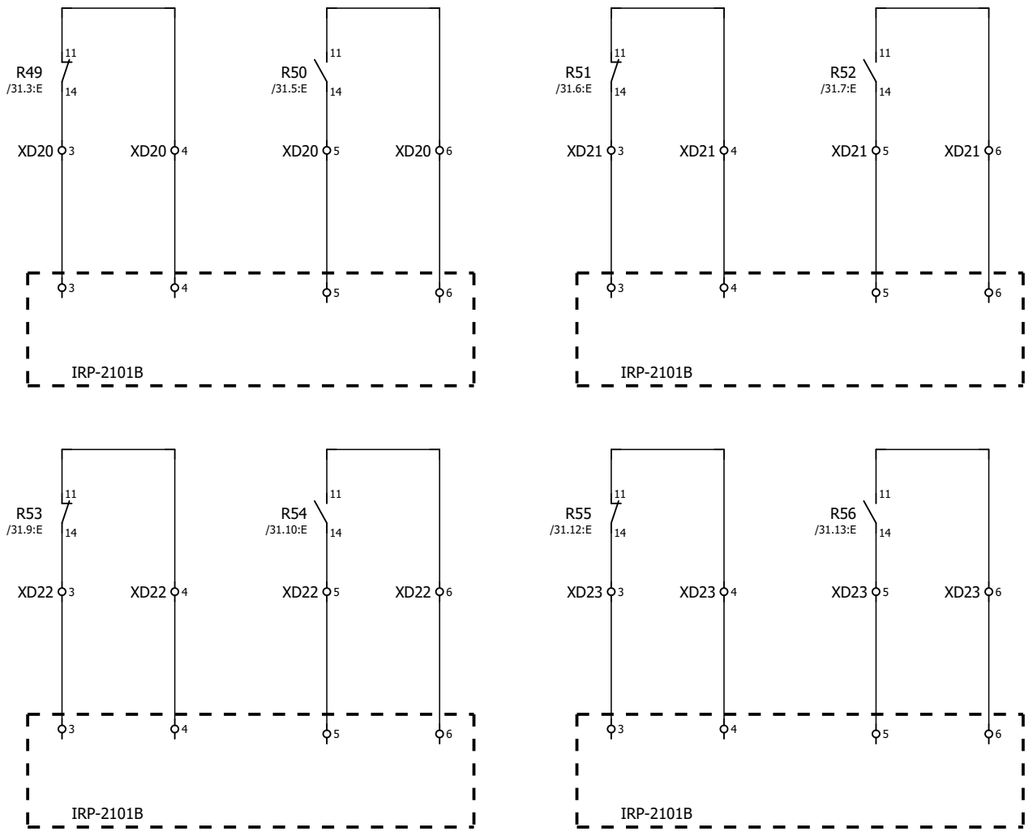
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	110 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





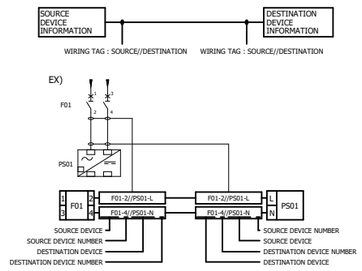
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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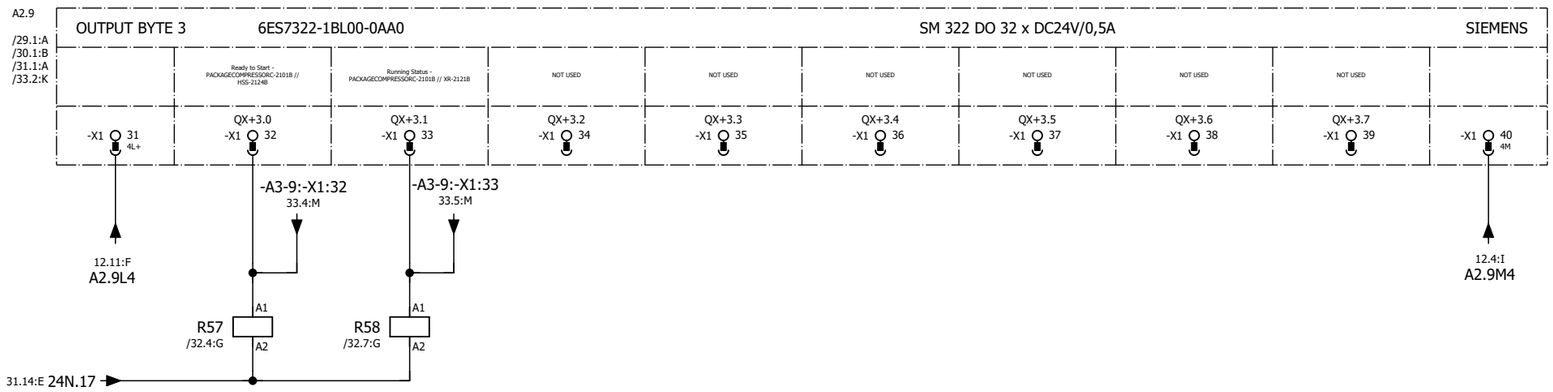
APPROVED FOR CONSTRUCTION	BY:	DATE:

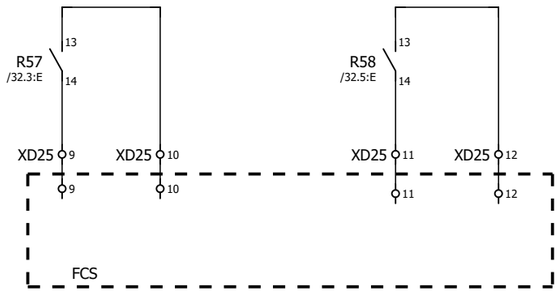
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	111 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





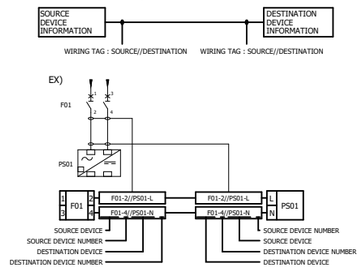
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V00	*******	*******	*******	*******	*******
V01					
V02					
V03					

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	112 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A3.9

OUTPUT BYTE 0 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:E
/33.2:H

	STOP COMMAND LUBRICATOR. OIL PUMP LUBRICATOR. OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101B // XSP-2201B	START COMMAND LUBRICATOR. OIL PUMP LUBRICATOR. OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101B // XSS-2201B	STOP COMMAND AUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101B // XSP-2202B	START COMMAND AUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101B // XSS-2202B	STOP COMMAND HEATER CRANK CASE HEATER CRANK CASE - PACKAGE COMPRESSOR C-2101B // XSP-2203B	START COMMAND HEATER CRANK CASE HEATER CRANK CASE - PACKAGE COMPRESSOR C-2101B // XSS-2203B	STOP COMMAND LUB OIL COOLER MOTOR A LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101B // XSP-2205B	START COMMAND LUB OIL COOLER MOTOR A LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101B // XSS-2205B	
	QX.0	QX.1	QX.2	QX.3	QX.4	QX.5	QX.6	QX.7	
-X1 1 1L+	-X1 2	-X1 3	-X1 4	-X1 5	-X1 6	-X1 7	-X1 8	-X1 9	-X1 10 1M
12.11:F A3.9L1	29.4:D -A3-9:-X1:2	29.5:D -A3-9:-X1:3	29.6:D -A3-9:-X1:4	29.8:D -A3-9:-X1:5	29.9:D -A3-9:-X1:6	29.11:D -A3-9:-X1:7	29.12:D -A3-9:-X1:8	29.14:D -A3-9:-X1:9	12.4:I A3.9M1

A3.9

OUTPUT BYTE 1 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:A
/33.2:H

	STOP COMMAND LUB OIL COOLER MOTOR B LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101B // XSP-2206B	START COMMAND LUB OIL COOLER MOTOR B LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101B // XSS-2206B	STOP COMMAND WATER CONSULE COOLER MOTOR A WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101B // XSP-2220B	START COMMAND WATER CONSULE COOLER MOTOR A WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101B // XSS-2220B	STOP COMMAND WATER CONSULE COOLER MOTOR B WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101B // XSP-2207B	START COMMAND WATER CONSULE COOLER MOTOR B WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101B // XSS-2207B	STOP COMMAND AUX WATER PUMP AUX WATER PUMP (P-2101-AX A) - PACKAGE COMPRESSOR C-2101B // XSP-2221B	START COMMAND AUX WATER PUMP AUX WATER PUMP (P-2101-AX A) - PACKAGE COMPRESSOR C-2101B // XSS-2221B	
	QX+1.0	QX+1.1	QX+1.2	QX+1.3	QX+1.4	QX+1.5	QX+1.6	QX+1.7	
-X1 11 2L+	-X1 12	-X1 13	-X1 14	-X1 15	-X1 16	-X1 17	-X1 18	-X1 19	-X1 20 2M
12.12:F A3.9L2	30.4:D -A3-9:-X1:12	30.5:D -A3-9:-X1:13	30.6:D -A3-9:-X1:14	30.8:D -A3-9:-X1:15	30.9:D -A3-9:-X1:16	30.11:D -A3-9:-X1:17	30.12:D -A3-9:-X1:18	30.14:D -A3-9:-X1:19	12.5:I A3.9M2

A3.9

OUTPUT BYTE 2 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:A
/33.2:E

	STOP COMMAND MAIN WATER PUMP MAIN WATER PUMP (P-2101-WP A) - PACKAGE COMPRESSOR C-2101B // XSP-2222B	START COMMAND MAIN WATER PUMP MAIN WATER PUMP (P-2101-WP A) - PACKAGE COMPRESSOR C-2101B // XSS-2222B	STOP COMMAND HEATER WATER CONSULE WATER CONSULE COOLER HEATER (AE-2101-WC A) - PACKAGE COMPRESSOR C-2101B // XSP-2223B	START COMMAND HEATER WATER CONSULE WATER CONSULE COOLER HEATER (AE-2101-WC A) - PACKAGE COMPRESSOR C-2101B // XSS-2223B	STOP COMMAND MAKE UP GAS COMPRESSOR MAIN MOTOR - PACKAGE COMPRESSOR C-2101B // XSP-2224B	START COMMAND MAKE UP GAS COMPRESSOR MAIN MOTOR - PACKAGE COMPRESSOR C-2101B // XSS-2224B	STOP COMMAND MOTOR BEARING DEVICE MOTOR - PACKAGE COMPRESSOR C-2101B // XSP-2225B	START COMMAND MOTOR BEARING DEVICE MOTOR - PACKAGE COMPRESSOR C-2101B // XSS-2225B	
	QX+2.0	QX+2.1	QX+2.2	QX+2.3	QX+2.4	QX+2.5	QX+2.6	QX+2.7	
-X1 21 3L+	-X1 22	-X1 23	-X1 24	-X1 25	-X1 26	-X1 27	-X1 28	-X1 29	-X1 30 3M
12.12:F A3.9L3	31.4:D -A3-9:-X1:22	31.5:D -A3-9:-X1:23	31.6:D -A3-9:-X1:24	31.8:D -A3-9:-X1:25	31.9:D -A3-9:-X1:26	31.11:D -A3-9:-X1:27	31.12:D -A3-9:-X1:28	31.14:D -A3-9:-X1:29	12.6:I A3.9M3

A2.9

OUTPUT BYTE 3 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/29.1:A
/30.1:B
/31.1:A
/32.1:B

	Ready to Start :- PACKAGECOMPRESSORC-2101B // HSS-2124B	Running Status :- PACKAGECOMPRESSORC-2101B // XR-2121B	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
	QX+3.0	QX+3.1	QX+3.2	QX+3.3	QX+3.4	QX+3.5	QX+3.6	QX+3.7	
-X1 31 4L+	-X1 32	-X1 33	-X1 34	-X1 35	-X1 36	-X1 37	-X1 38	-X1 39	-X1 40 4M
12.13:F A3.9L4	32.4:D -A3-9:-X1:32	32.5:D -A3-9:-X1:33							12.6:I A3.9M4

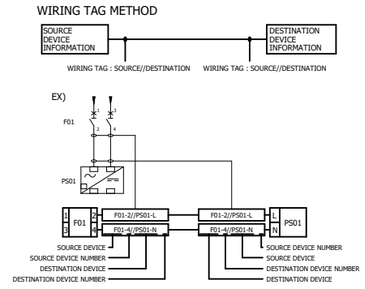
GENERAL NOTES

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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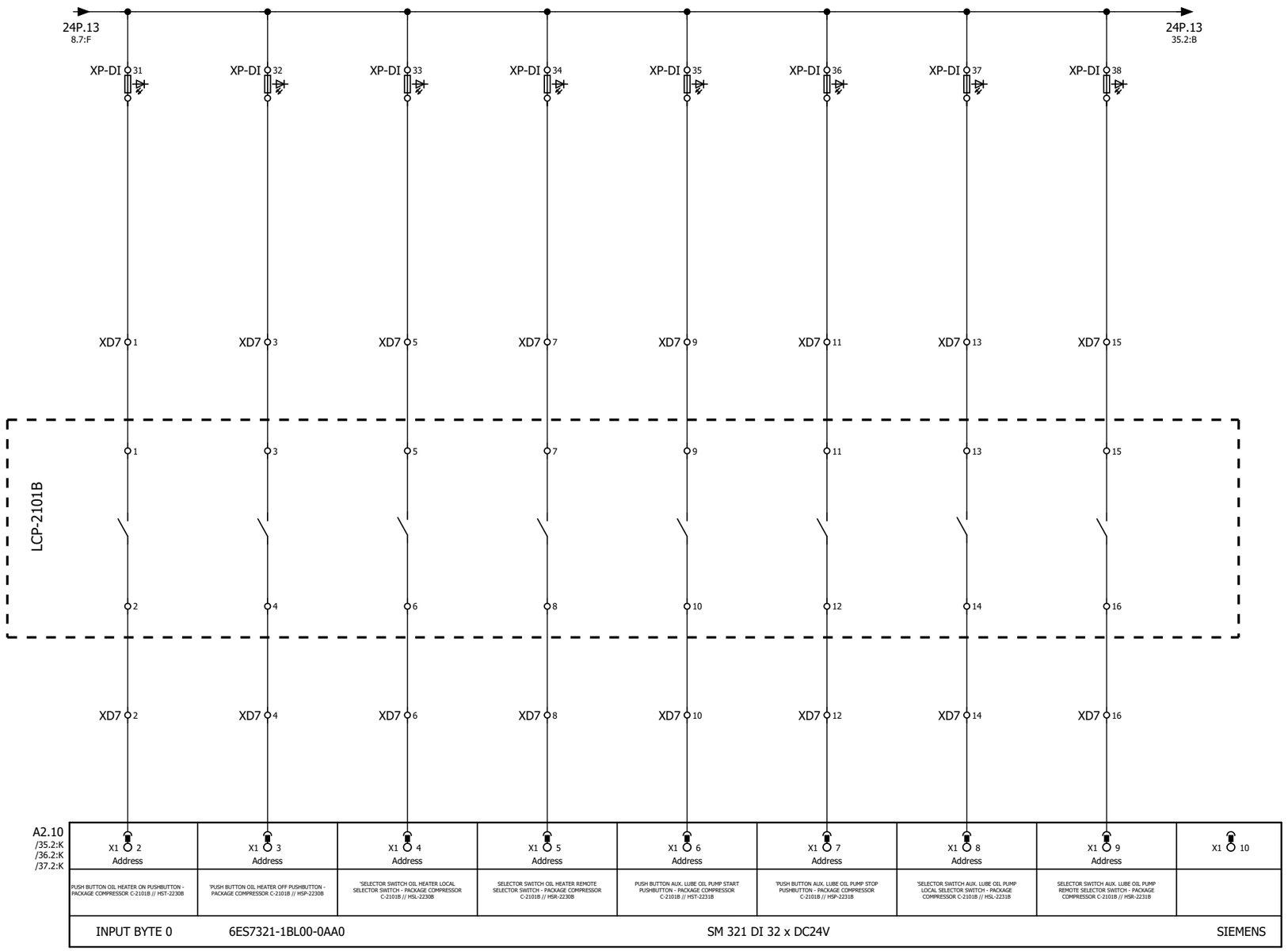
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

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APPROVED FOR CONSTRUCTION			BY:	DATE:	
SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.	
1:1	A3	BK-GCS-HY-120-IN-DG-0001	113 OF 335	00	

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A2.10
/35.2:K
/36.2:K
/37.2:K

X1 2	X1 3	X1 4	X1 5	X1 6	X1 7	X1 8	X1 9	X1 10
Address	Address	Address	Address	Address	Address	Address	Address	
PUSH BUTTON OIL HEATER ON PUSHBUTTON - PACKAGE COMPRESSOR C-2101B // HST-2230B	'PUSH BUTTON OIL HEATER OFF PUSHBUTTON - PACKAGE COMPRESSOR C-2101B // HSP-2230B	'SELECTOR SWITCH OIL HEATER LOCAL SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101B // HSL-2230B	SELECTOR SWITCH OIL HEATER REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101B // HSR-2230B	PUSH BUTTON AUX. LUBE OIL PUMP START PUSHBUTTON - PACKAGE COMPRESSOR C-2101B // HST-2231B	'PUSH BUTTON AUX. LUBE OIL PUMP STOP PUSHBUTTON - PACKAGE COMPRESSOR C-2101B // HSP-2231B	'SELECTOR SWITCH AUX. LUBE OIL PUMP LOCAL SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101B // HSL-2231B	SELECTOR SWITCH AUX. LUBE OIL PUMP REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101B // HSR-2231B	

INPUT BYTE 0 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

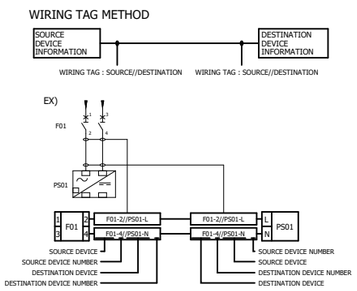
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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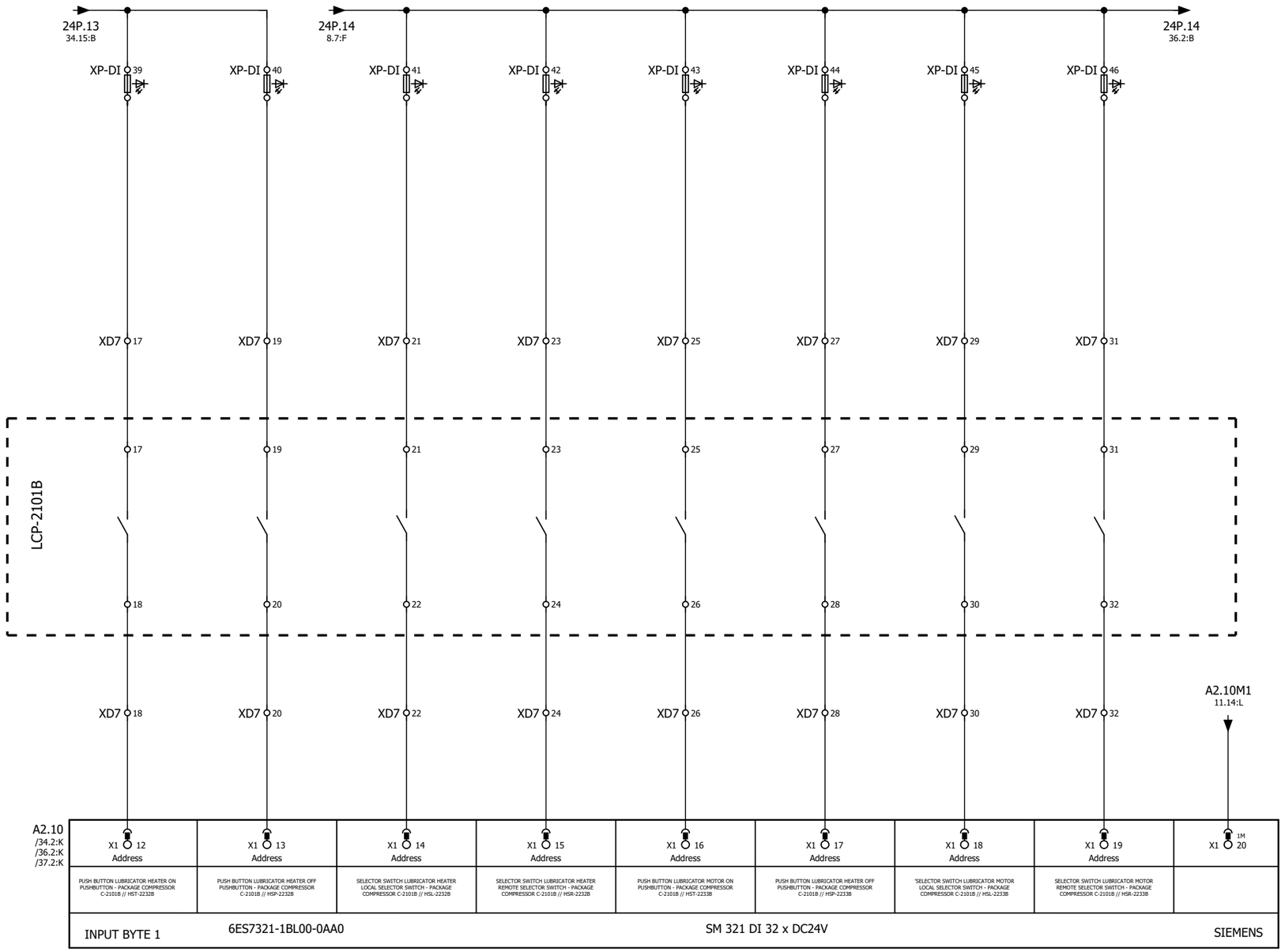
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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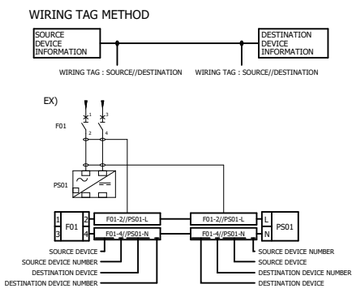


GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

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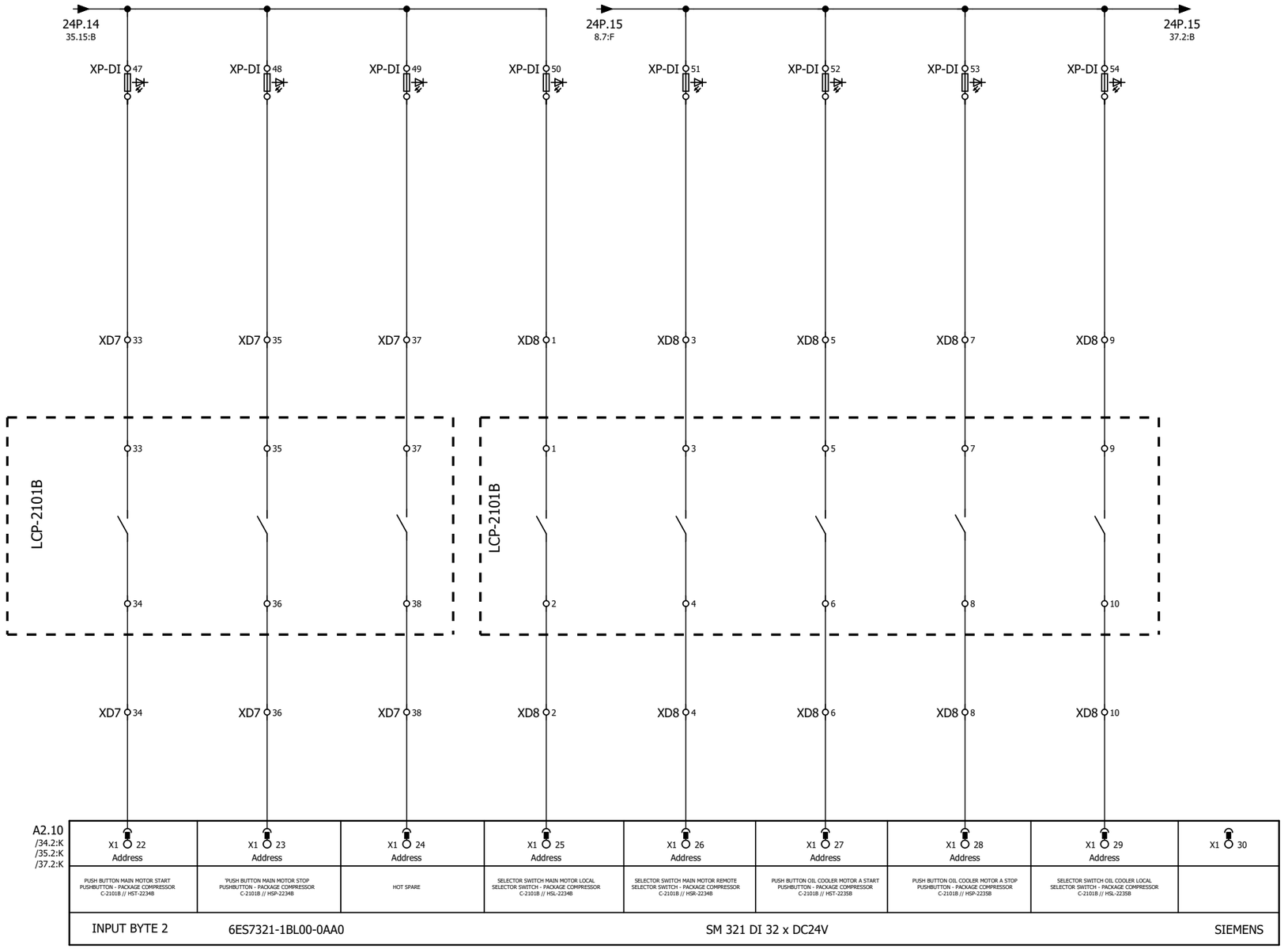
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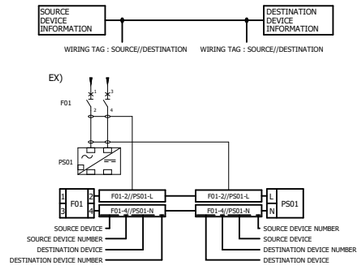
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BINAK OILFIELD DEVELOPMENT
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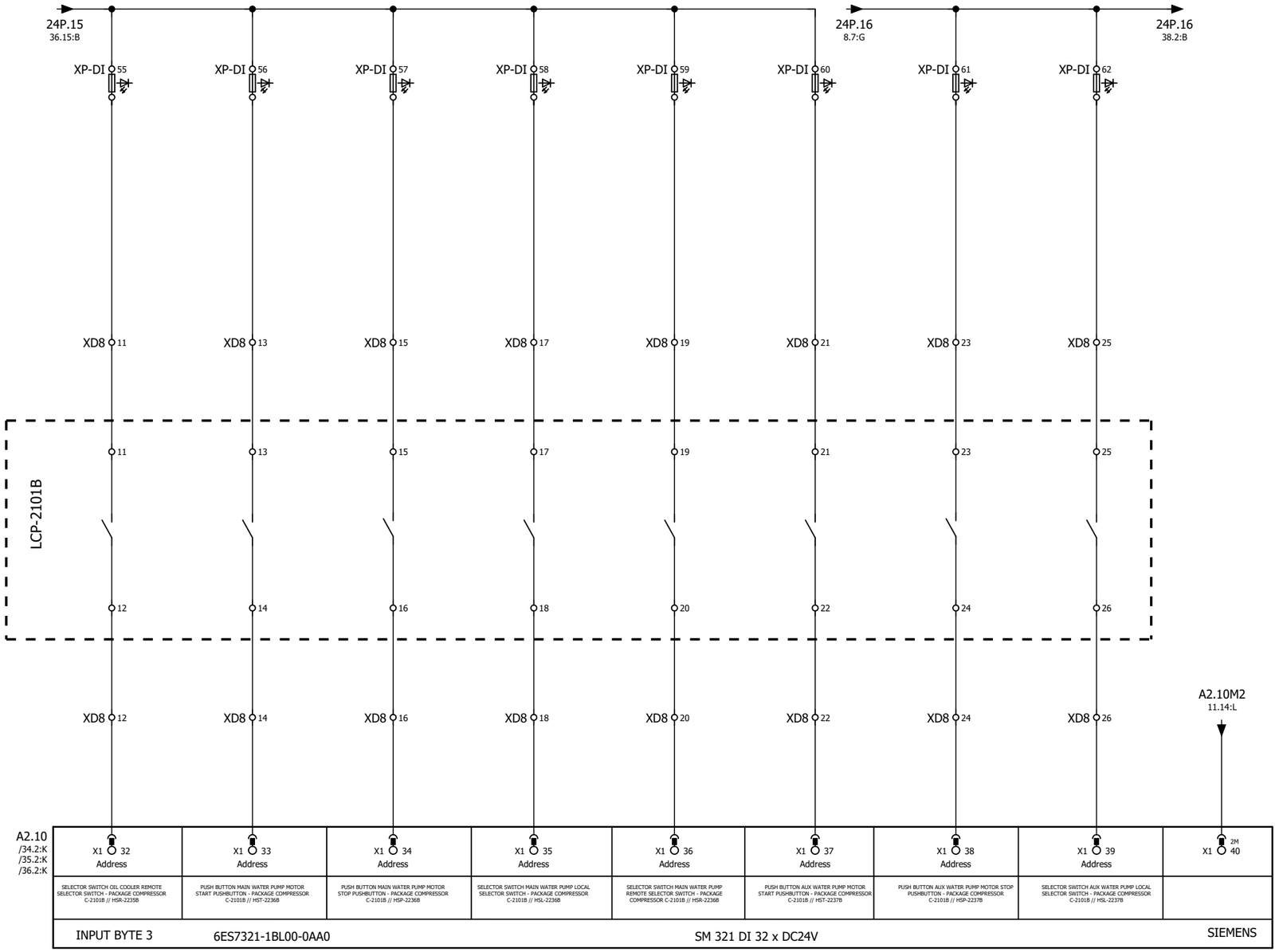
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PLC WIRING DIAGRAM & TERMINAL DETAILS

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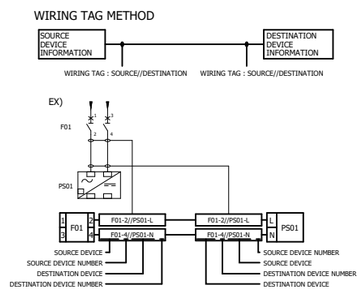
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BINAK OILFIELD DEVELOPMENT
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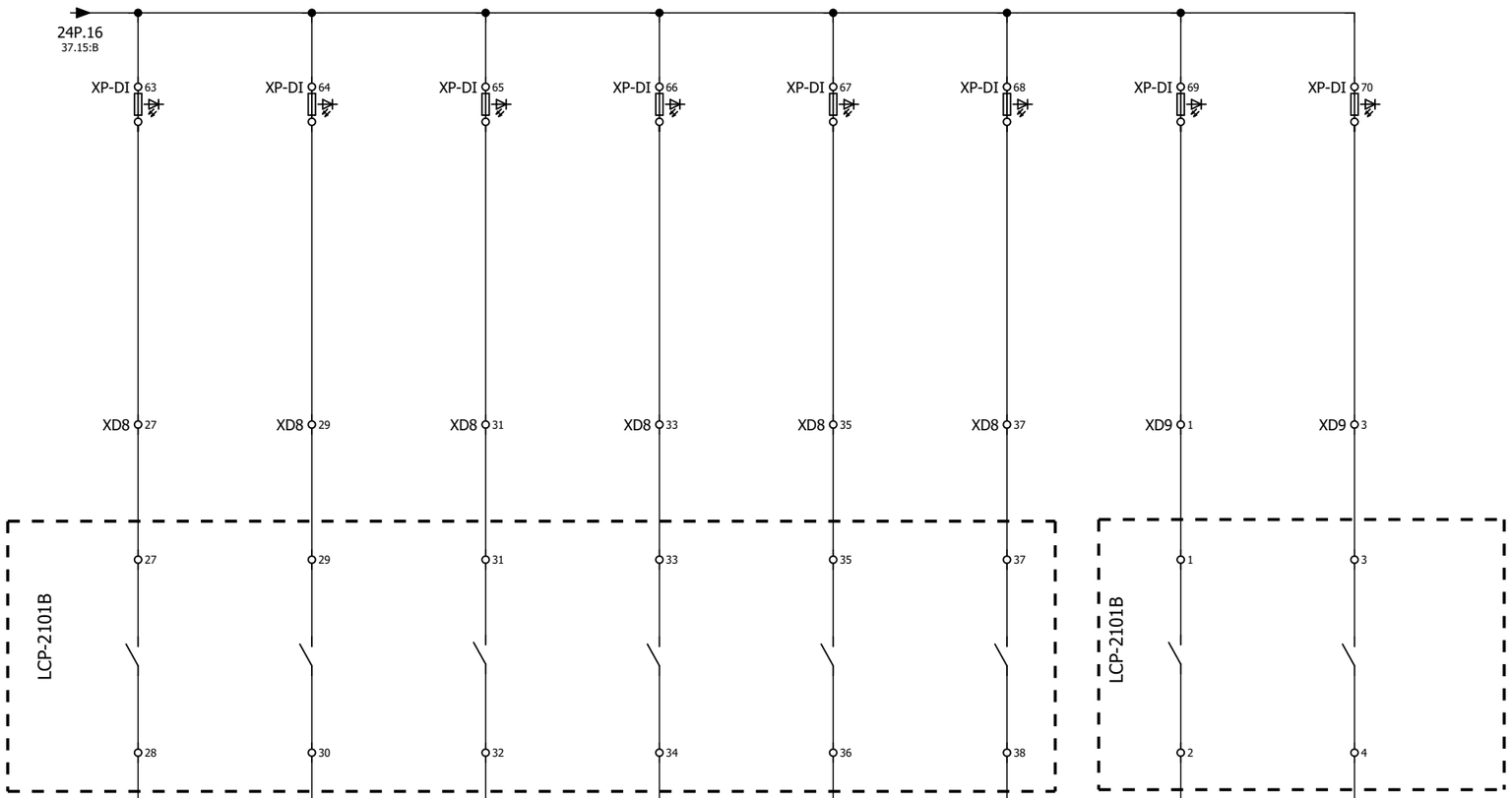
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	117 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.11
/39.2:K
/40.2:K
/41.2:K

X1 2 Address	X1 3 Address	X1 4 Address	X1 5 Address	X1 6 Address	X1 7 Address	X1 8 Address	X1 9 Address	X1 10
SELECTOR SWITCH AUX WATER PUMP REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101B // HSR-2237B	PUSH BUTTON WATER HEATER ON PUSHBUTTON - PACKAGE COMPRESSOR C-2101B // HST-2238B	PUSH BUTTON WATER HEATER OFF PUSHBUTTON - PACKAGE COMPRESSOR C-2101B // HSP-2238B	SELECTOR SWITCH WATER HEATER LOCAL SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101B // HSL-2238B	SELECTOR SWITCH WATER HEATER REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101B // HSR-2238B	HOT SPARE	PUSH BUTTON WATER COOLER MOTOR START PUSHBUTTON - PACKAGE COMPRESSOR C-2101B // HST-2239B	PUSH BUTTON WATER COOLER MOTOR STOP PUSHBUTTON - PACKAGE COMPRESSOR C-2101B // HSP-2239B	

INPUT BYTE 0 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

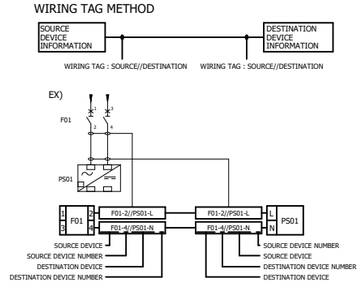
GENERAL NOTES

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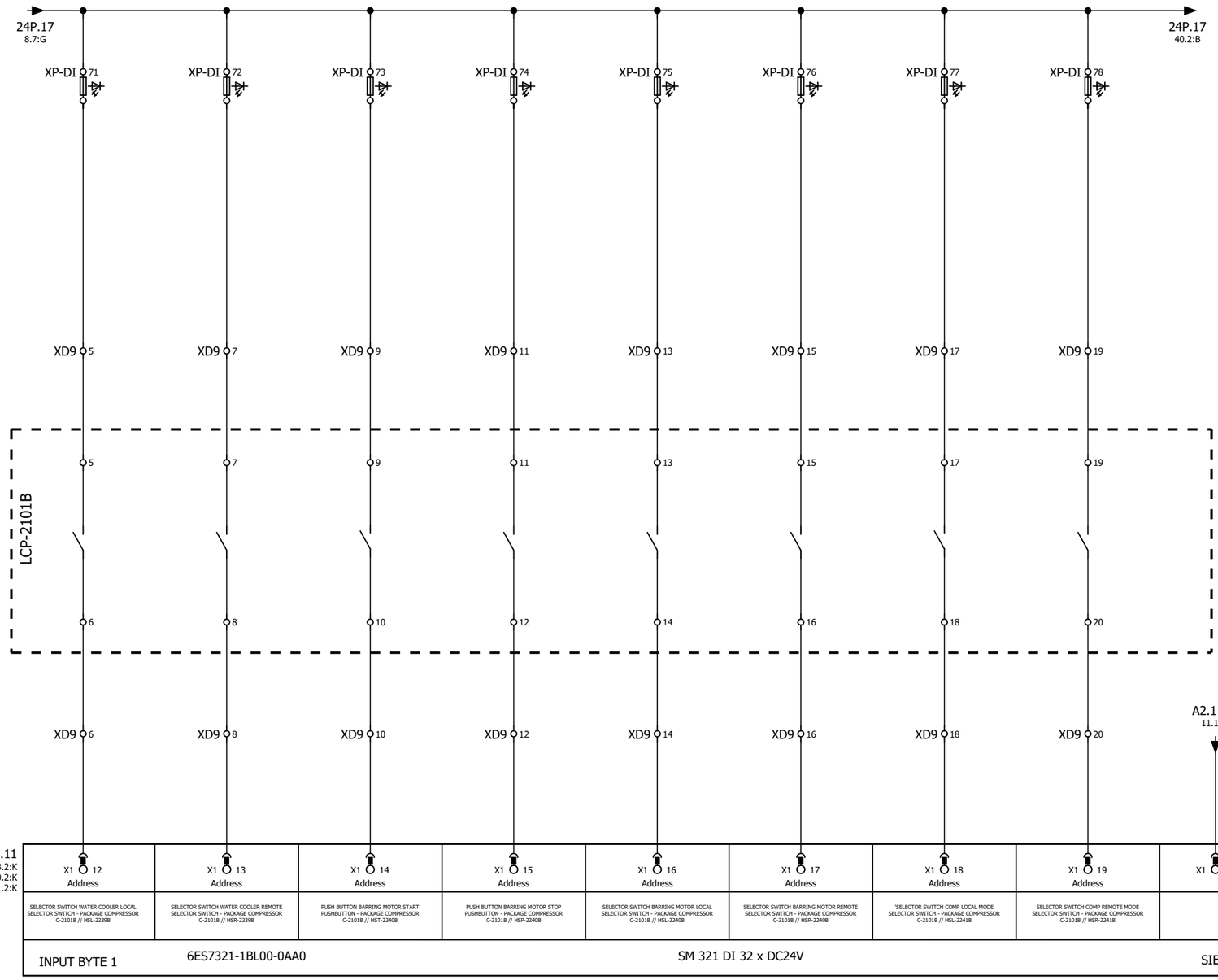
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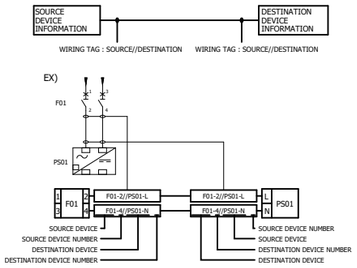
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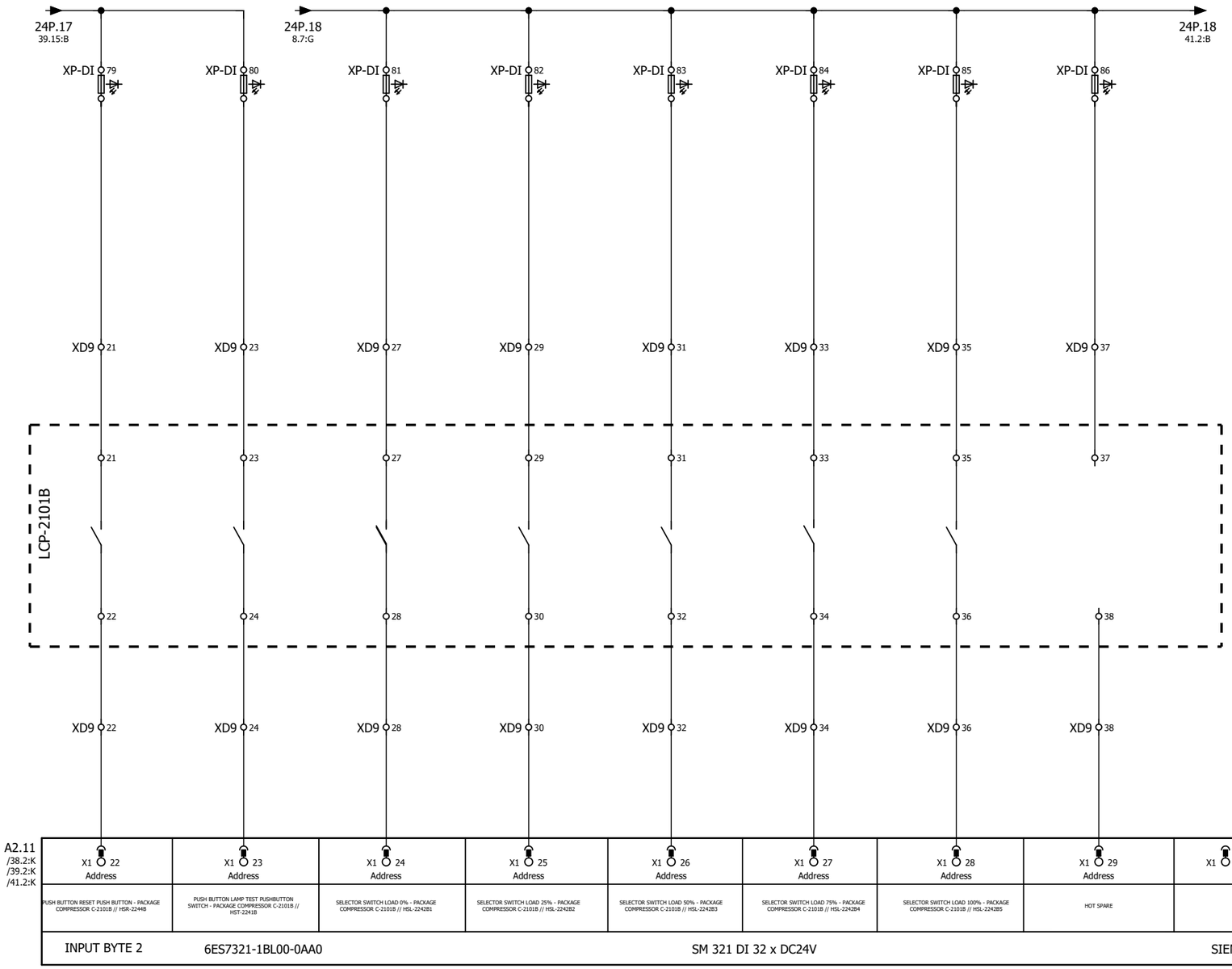
KwangShin

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	119 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.11
/38.2:K
/39.2:K
/41.2:K

X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30
PUSH BUTTON RESET PUSH BUTTON - PACKAGE COMPRESSOR C-2101B // HSR-2244B	PUSH BUTTON LAMP TEST PUSHBUTTON SWITCH - PACKAGE COMPRESSOR C-2101B // HST-2241B	SELECTOR SWITCH LOAD 0% - PACKAGE COMPRESSOR C-2101B // HSL-224281	SELECTOR SWITCH LOAD 25% - PACKAGE COMPRESSOR C-2101B // HSL-224282	SELECTOR SWITCH LOAD 50% - PACKAGE COMPRESSOR C-2101B // HSL-224283	SELECTOR SWITCH LOAD 75% - PACKAGE COMPRESSOR C-2101B // HSL-224284	SELECTOR SWITCH LOAD 100% - PACKAGE COMPRESSOR C-2101B // HSL-224285	HOT SPARE	
INPUT BYTE 2	6ES7321-1BL00-0AA0			SM 321 DI 32 x DC24V				SIEMENS

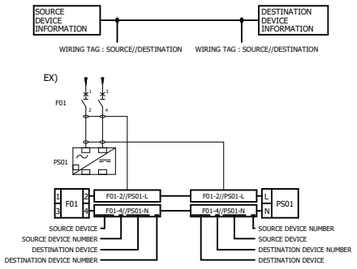
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V03					
V02					
V01					
V00	*******	*******	*******	*******	*******
		CHECKED		REV. APPR.	

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	*******

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
*******	*******	*******	*******	*******

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

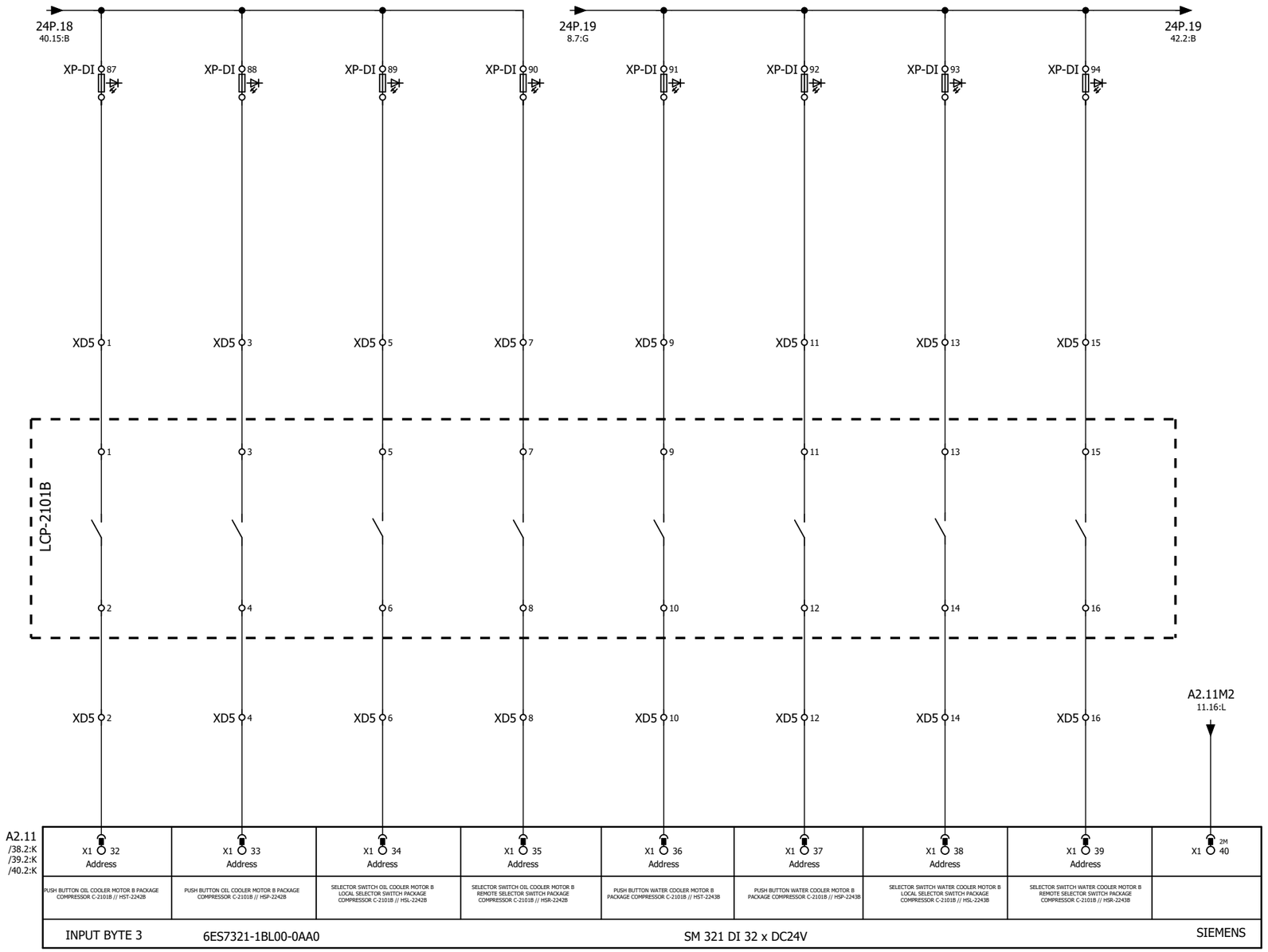
HAVAYAR

KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	120 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



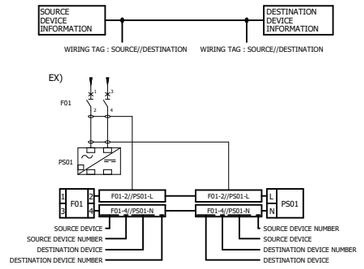
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V03					
V02					
V01					
V00	*******	*******	*******	*******	*******
		CHECKED		REV. APPR.	

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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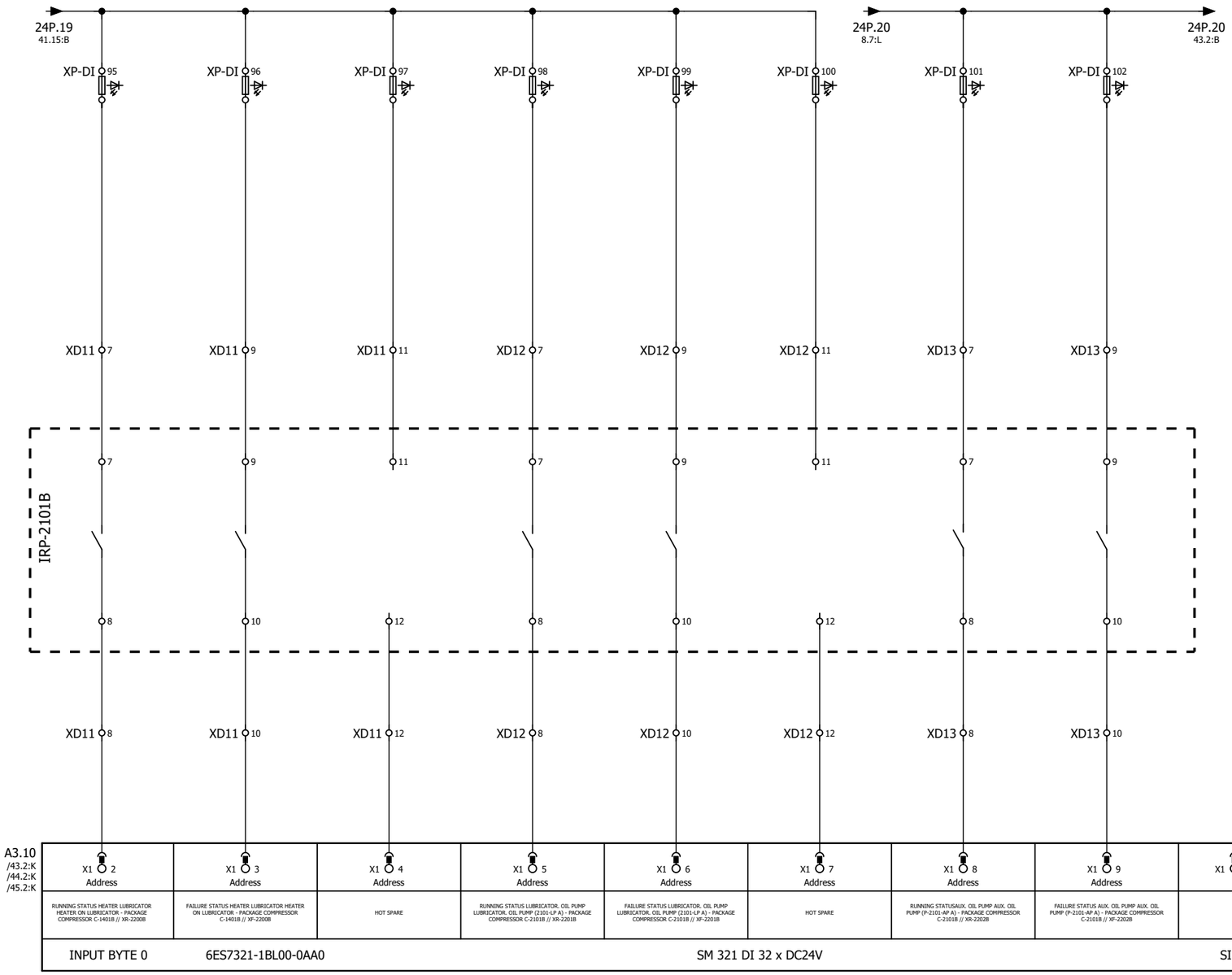
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	121 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A3.10 /43.2:K /44.2:K /45.2:K								
X1 2 Address	X1 3 Address	X1 4 Address	X1 5 Address	X1 6 Address	X1 7 Address	X1 8 Address	X1 9 Address	X1 10
RUNNING STATUS HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401B // XR-2200B	FAILURE STATUS HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401B // XF-2200B	HOT SPARE	RUNNING STATUS LUBRICATOR. OIL PUMP LUBRICATOR. OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101B // XR-2201B	FAILURE STATUS LUBRICATOR. OIL PUMP LUBRICATOR. OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101B // XF-2201B	HOT SPARE	RUNNING STATUSAUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101B // XR-2202B	FAILURE STATUS AUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101B // XF-2202B	
INPUT BYTE 0	6ES7321-1BL00-0AA0			SM 321 DI 32 x DC24V				SIEMENS

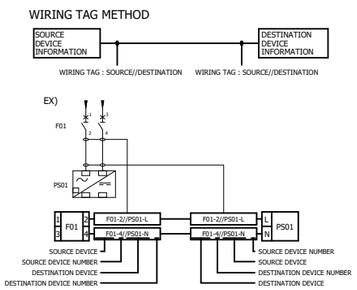
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

V00	*******	*******	*******	*******	*******
Rev.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
*******	*******	*******	*******	*******

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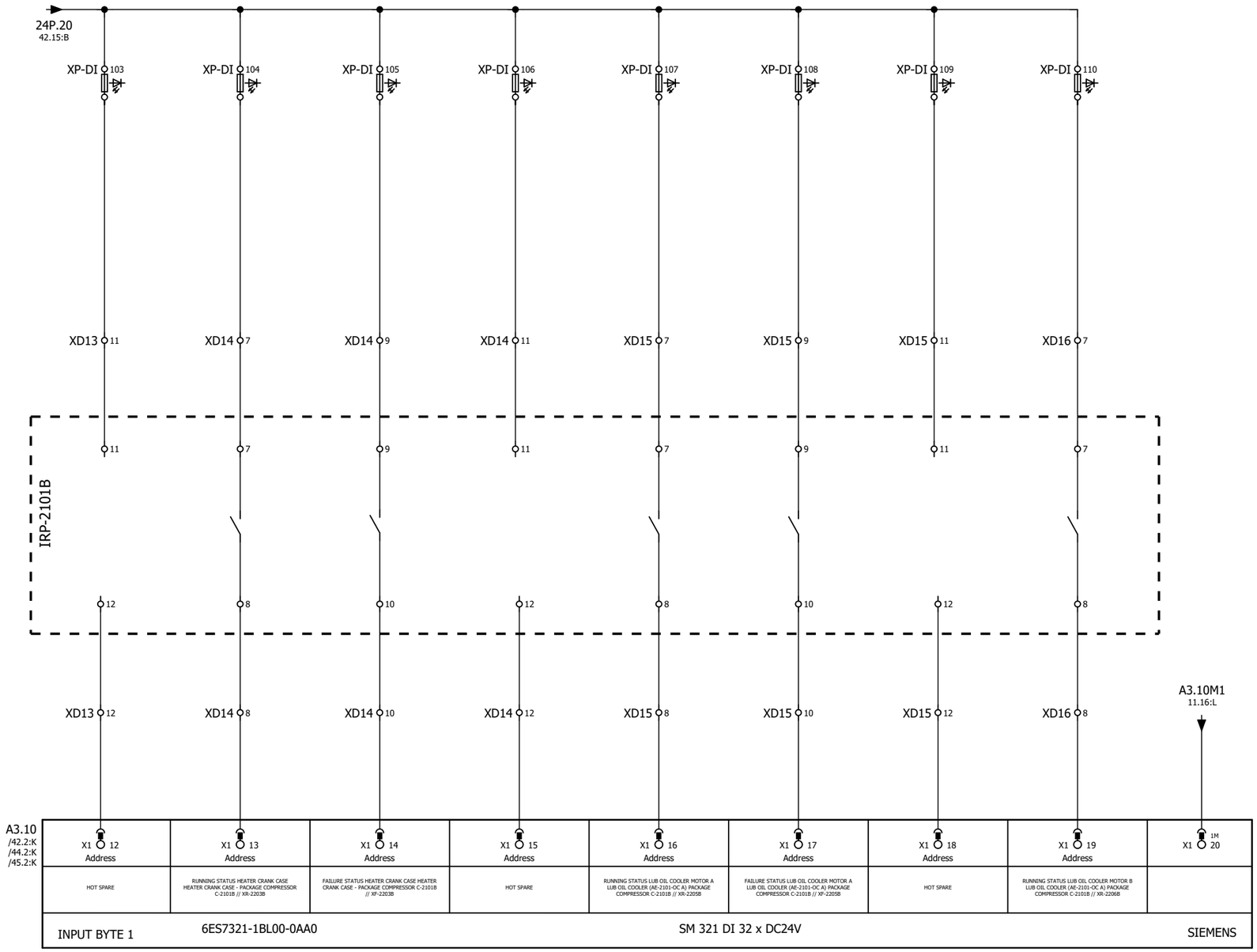
KwangShin Reliable Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	122 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



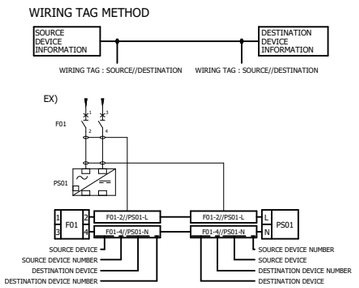
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V00	*******	*******	*******	*******	*******
V01					
V02					
V03					

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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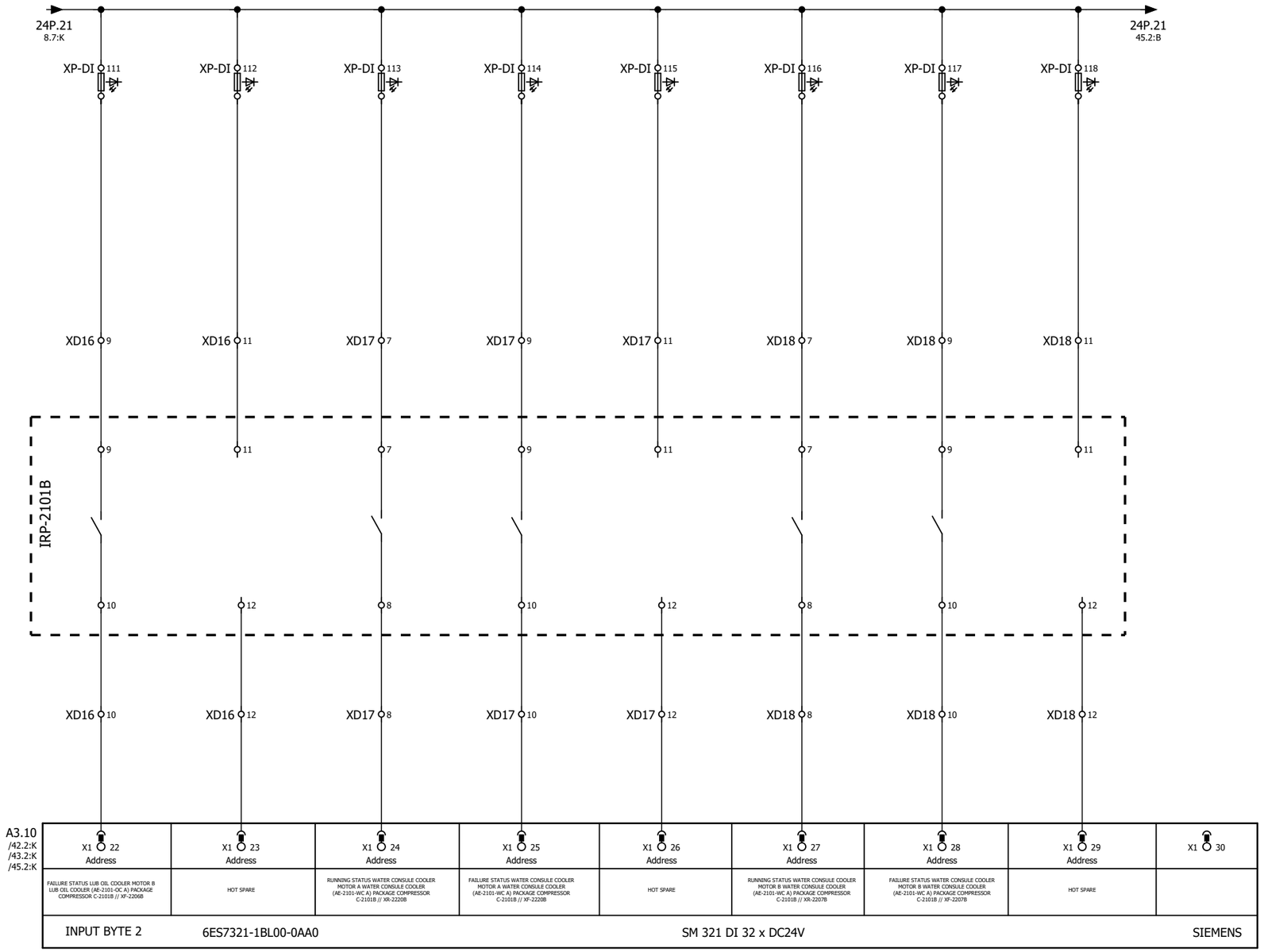
KwangShin Rotodynamic Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	123 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



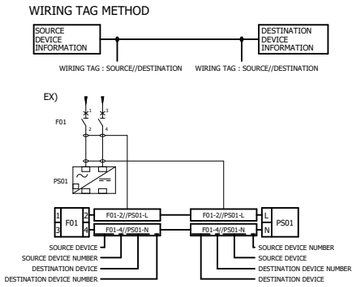
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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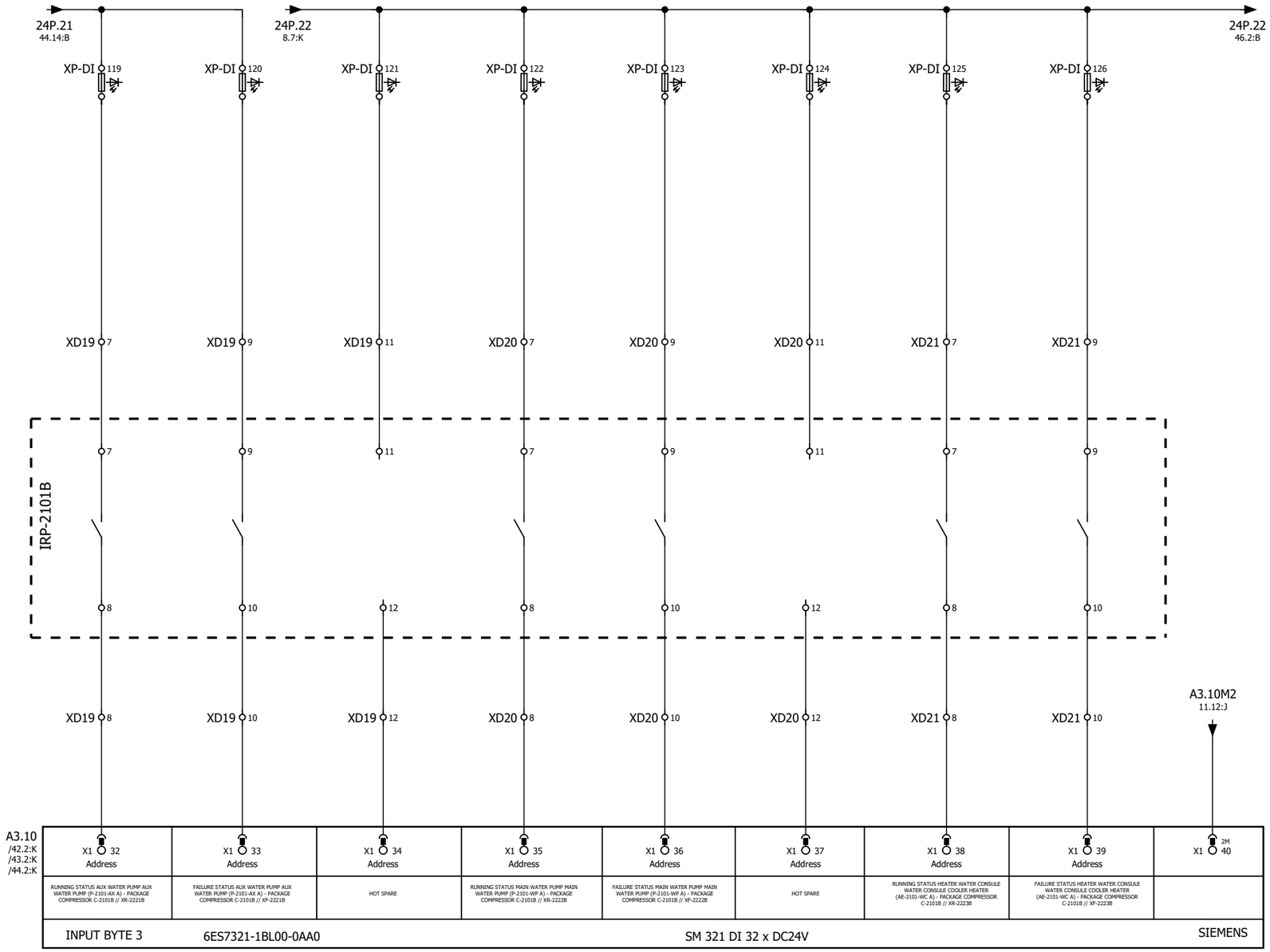
KwangShin

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	124 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



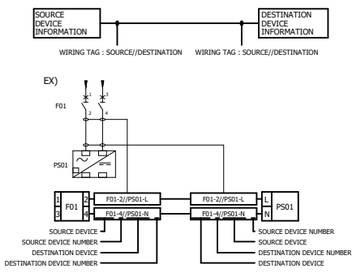
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V00	*******	*******	*******	*******	*******
V01					
V02					
V03					

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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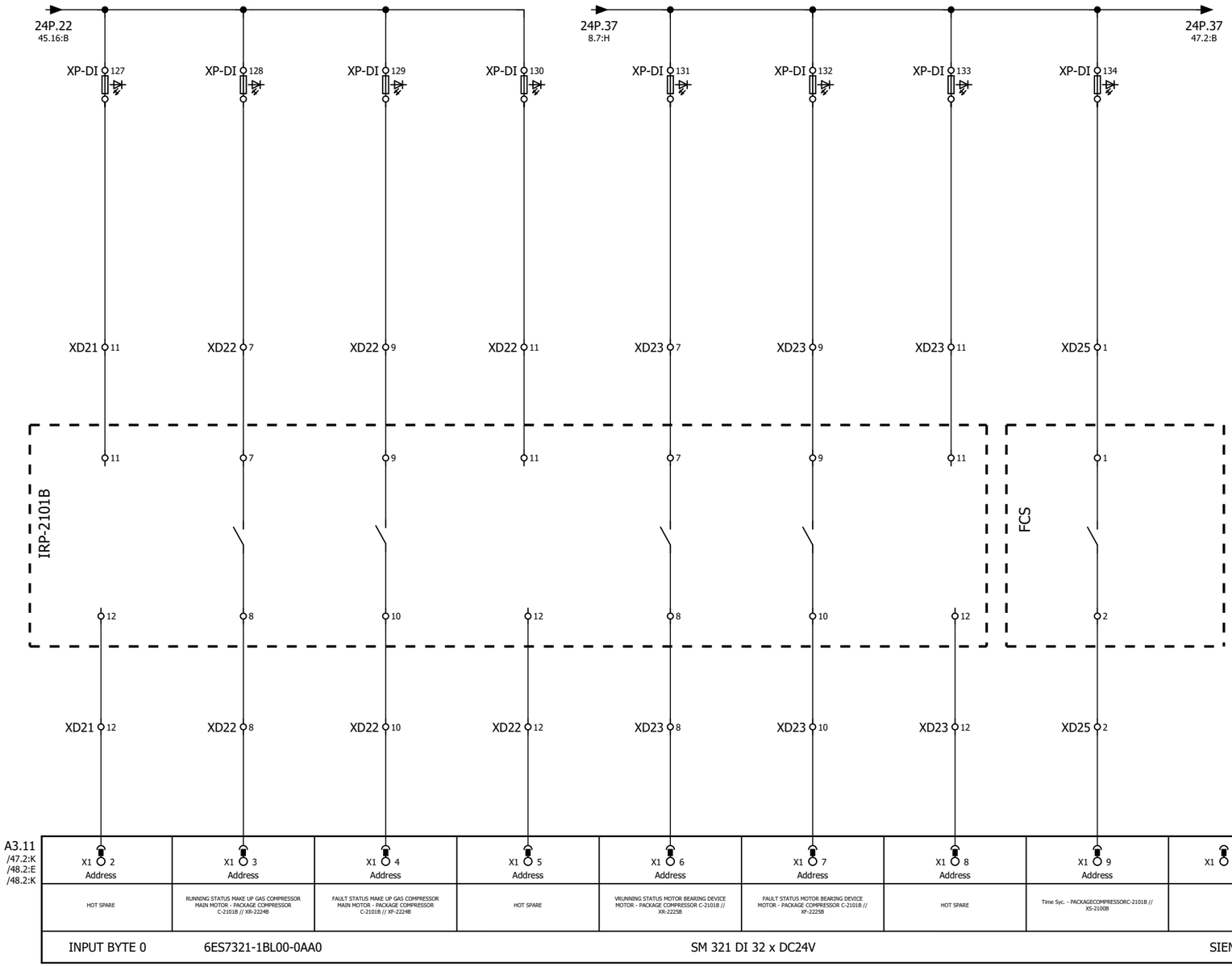
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	125 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



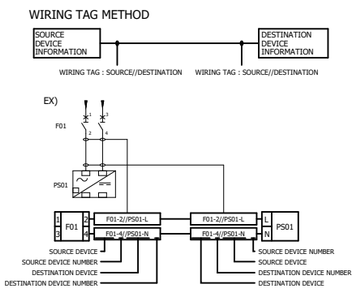
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********
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SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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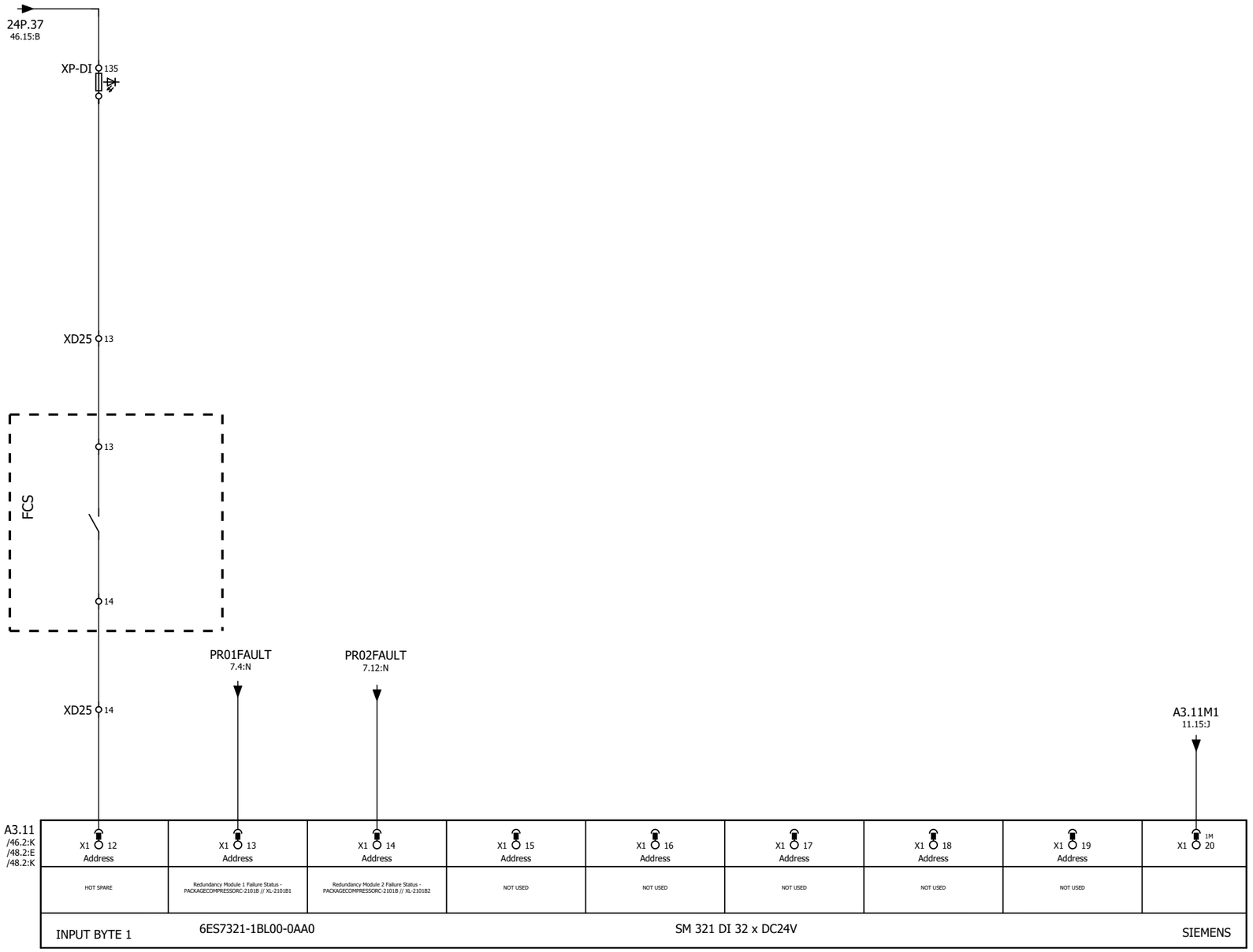
KwangShin Hermetic Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	126 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



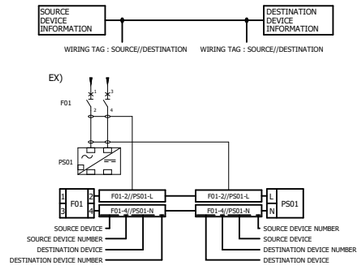
GENERAL NOTES

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				CHECKED	REV. APPR.
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

V00	*******	*******	*******	*******	*******
Rev.	DESCRIPTION	BY	DATE	BY	DATE
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PROJECT NO.:	971020

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	127 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A3.11
/46.2:K
/47.2:K
/48.2:K

X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30
NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	

INPUT BYTE 2 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

A3.11M2
11.16:J

A3.11
/46.2:K
/47.2:K
/48.2:E

X1 32 Address	X1 33 Address	X1 34 Address	X1 35 Address	X1 36 Address	X1 37 Address	X1 38 Address	X1 39 Address	2M X1 40
NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	

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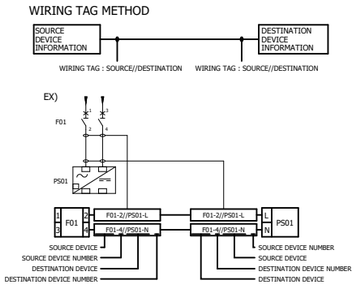
GENERAL NOTES

LEGEND

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KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
V00	*******	*******	*******	*******	*******

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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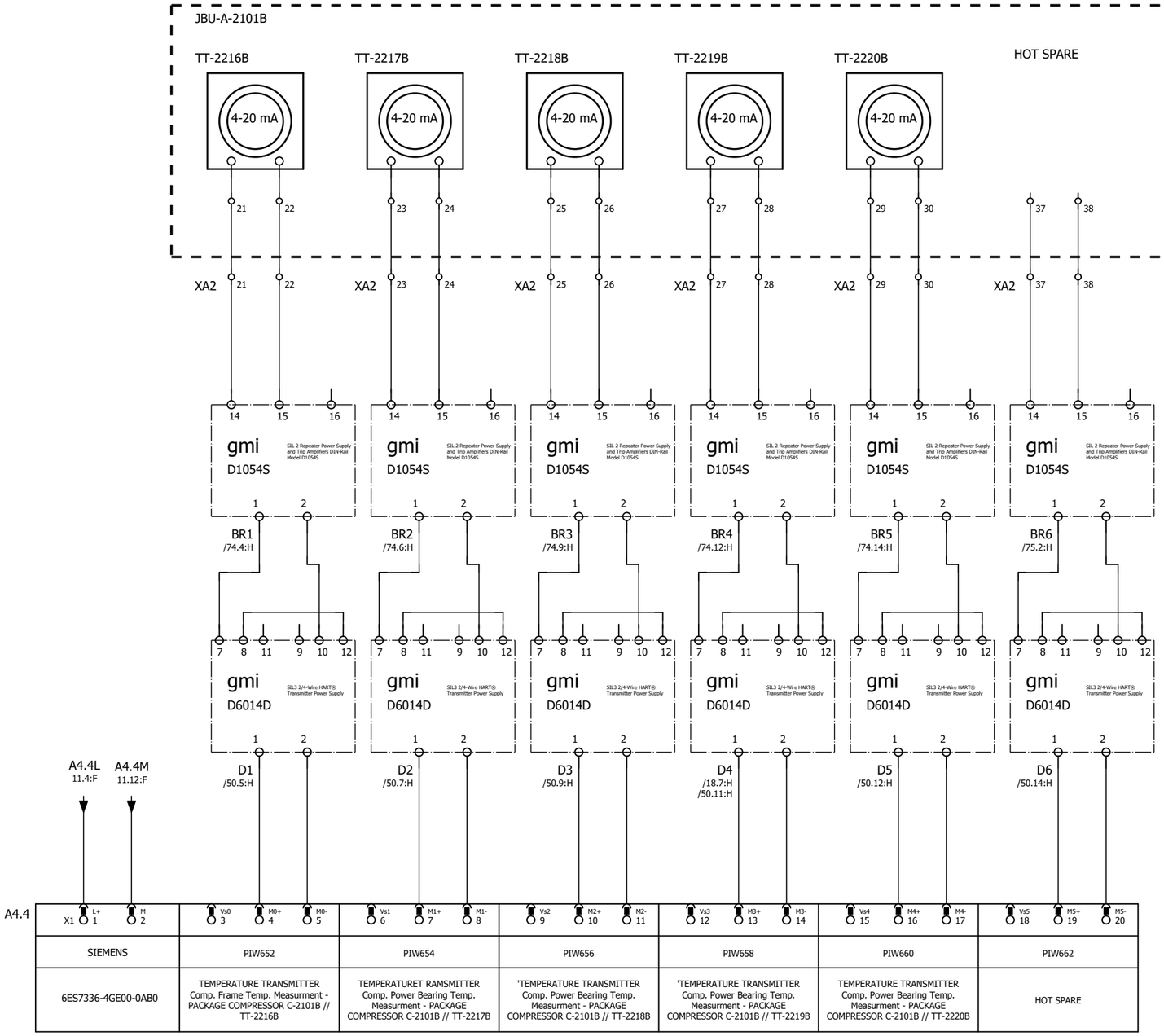
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KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	128 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654	PIW656
6ES7336-4GE00-0AB0	TEMPERATURE TRANSMITTER Comp. Frame Temp. Measurment - PACKAGE COMPRESSOR C-2101B // TT-2216B	TEMPERATURET RAMSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101B // TT-2217B	'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101B // TT-2218B

SIEMENS	PIW658	PIW660	PIW662
6ES7336-4GE00-0AB0	'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101B // TT-2219B	TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101B // TT-2220B	HOT SPARE

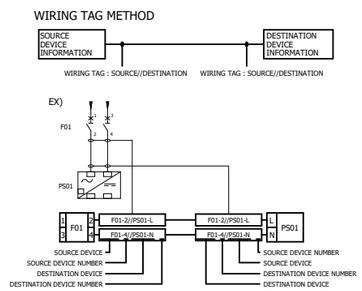
GENERAL NOTES

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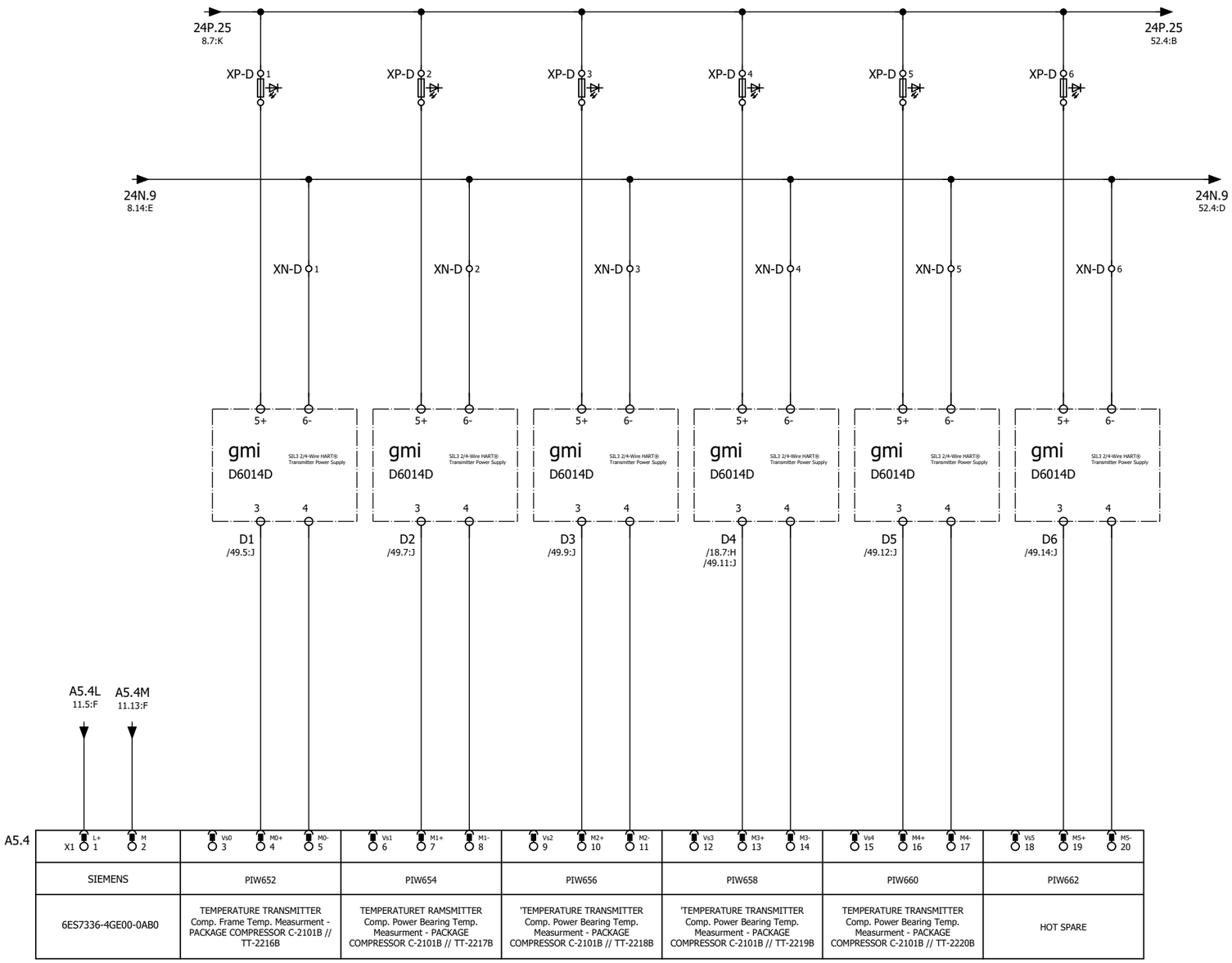
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



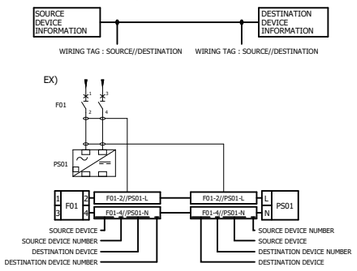
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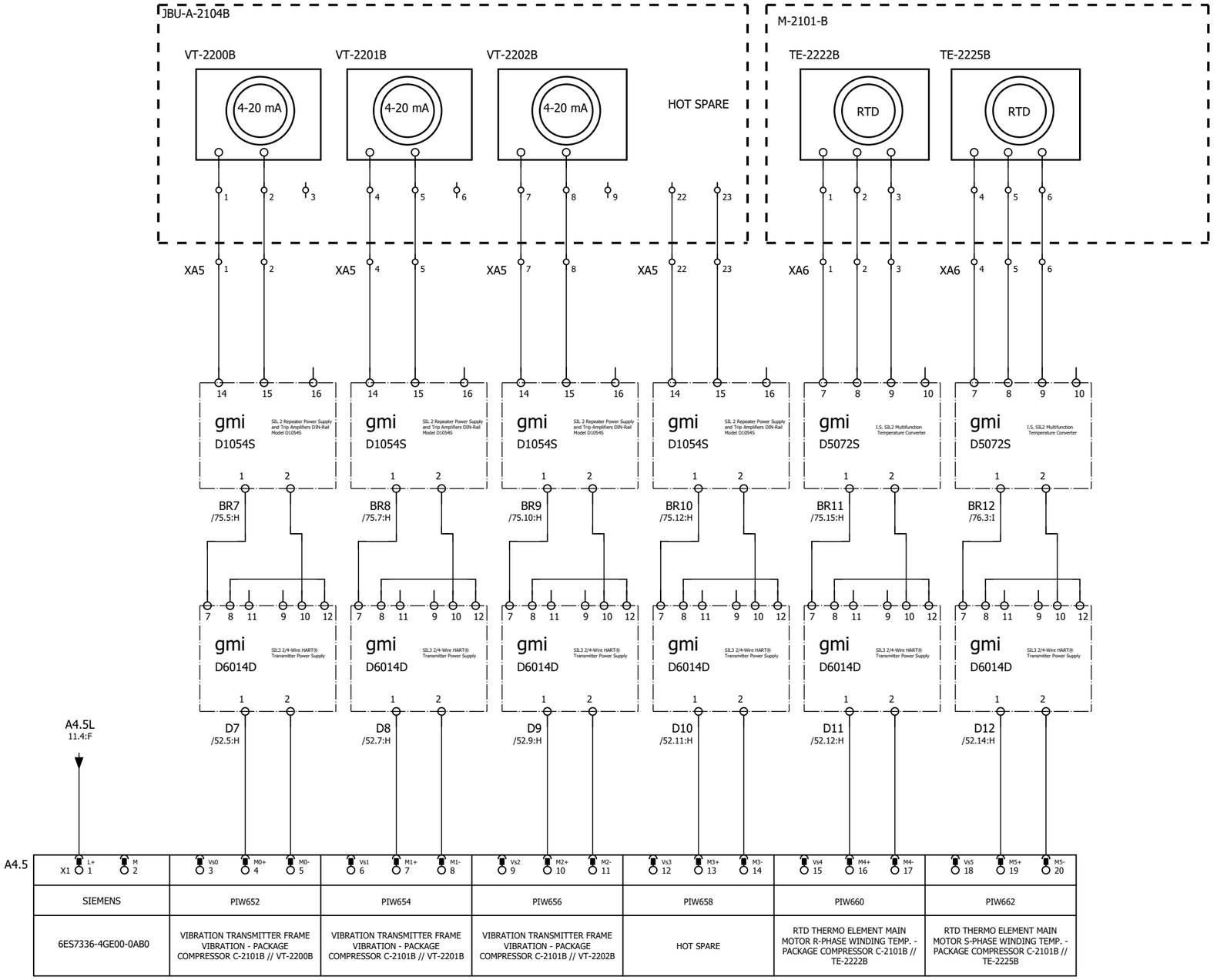
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654	PIW656
6ES7336-4GE00-0AB0	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101B // VT-2200B	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101B // VT-2201B	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101B // VT-2202B

PIW658	PIW660	PIW662
HOT SPARE	RTD THERMO ELEMENT MAIN MOTOR R-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101B // TE-2222B	RTD THERMO ELEMENT MAIN MOTOR S-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101B // TE-2225B

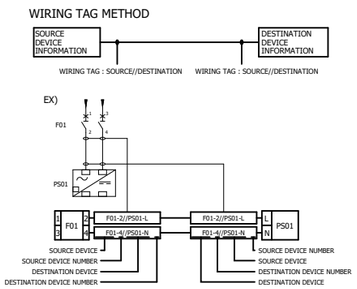
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GAS COMPRESSOR STATION

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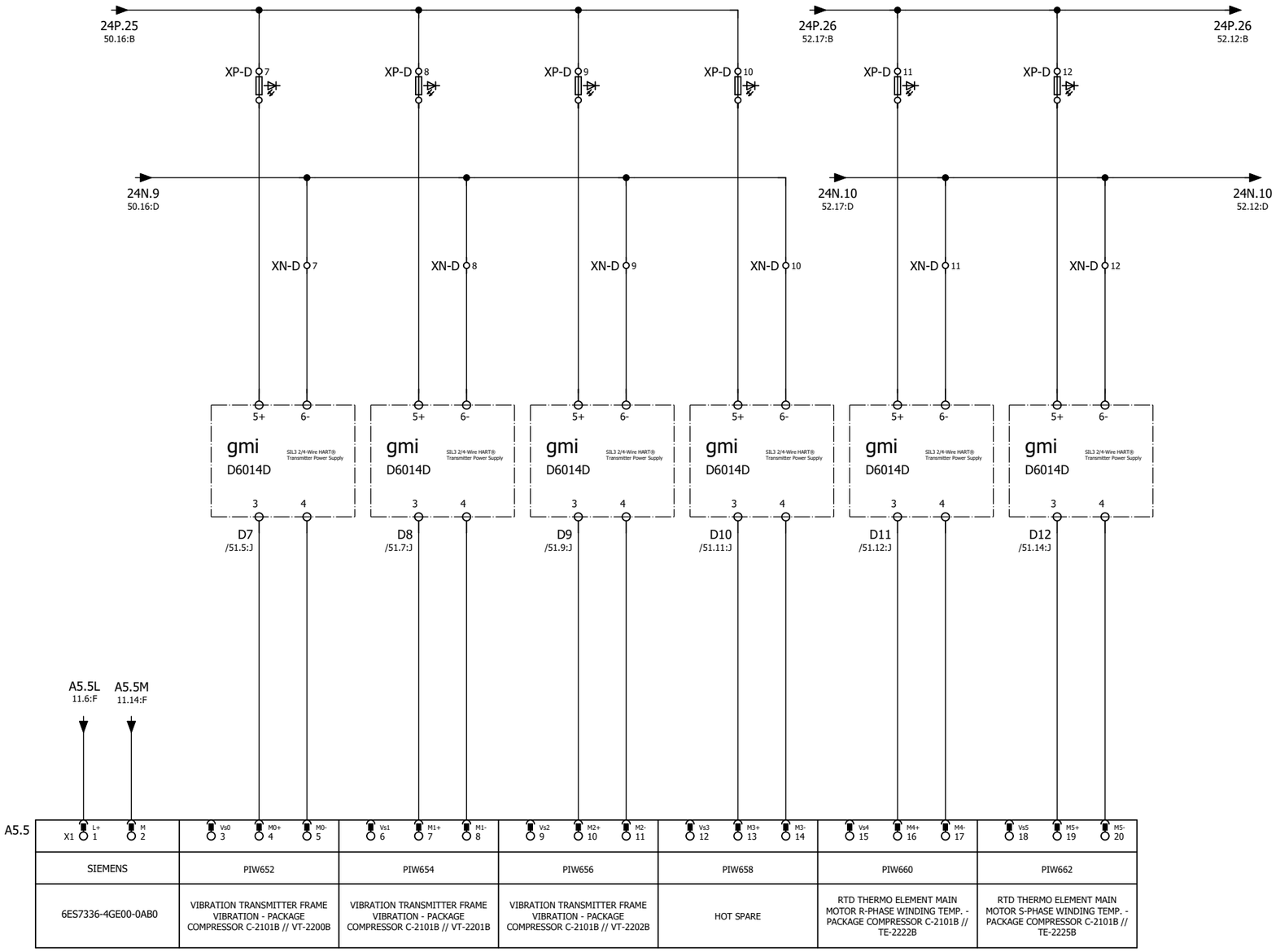
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654	PIW656
6ES7336-4GE00-0AB0	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101B // VT-2200B	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101B // VT-2201B	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101B // VT-2202B

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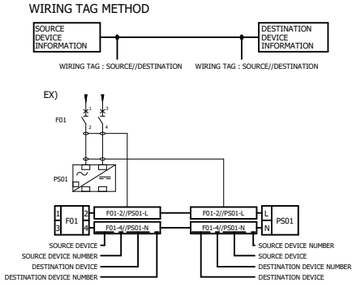
GENERAL NOTES

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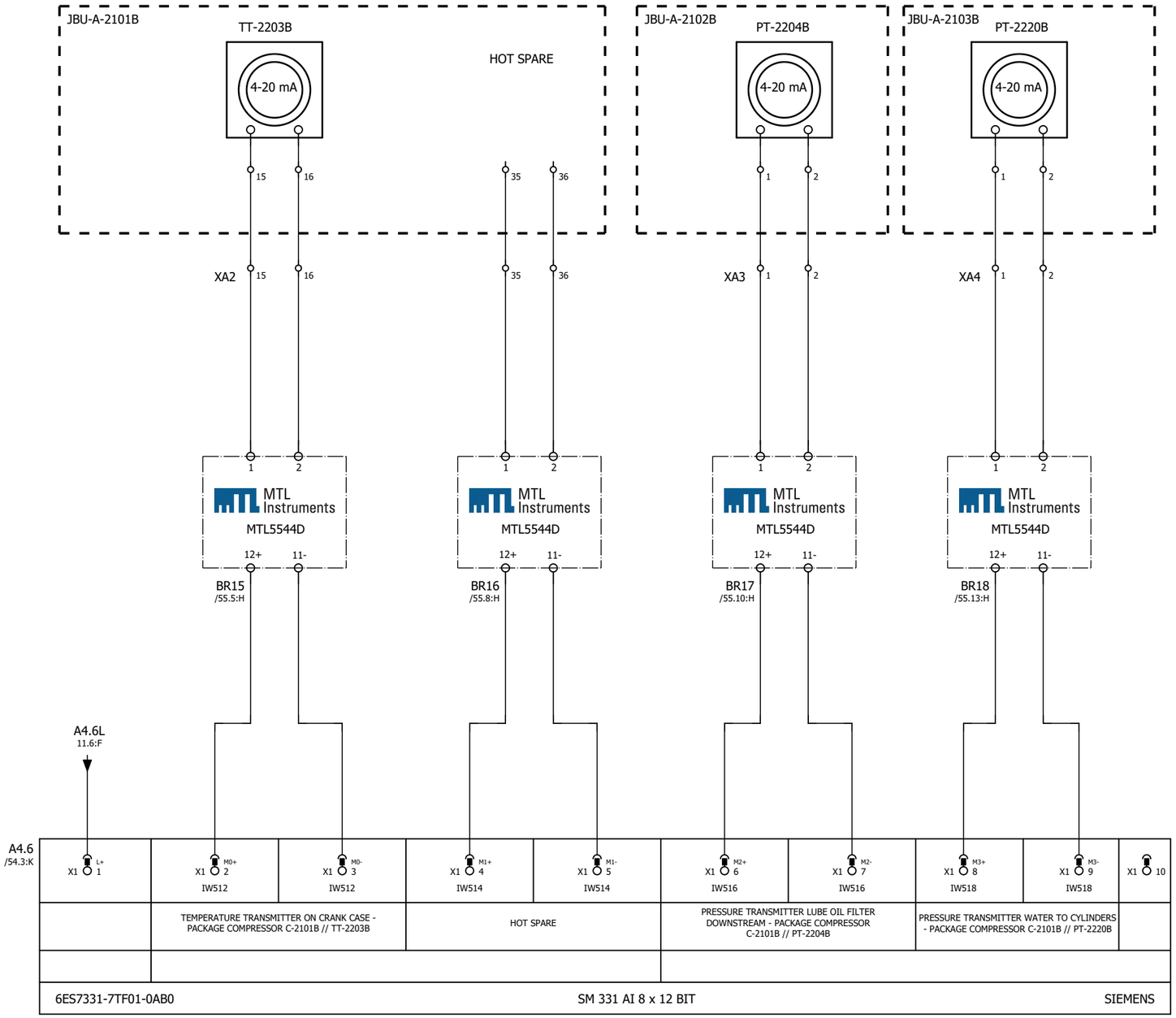
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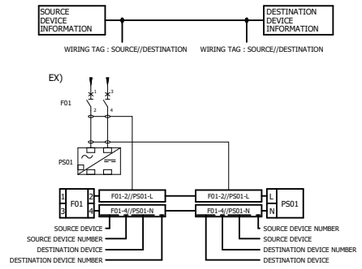
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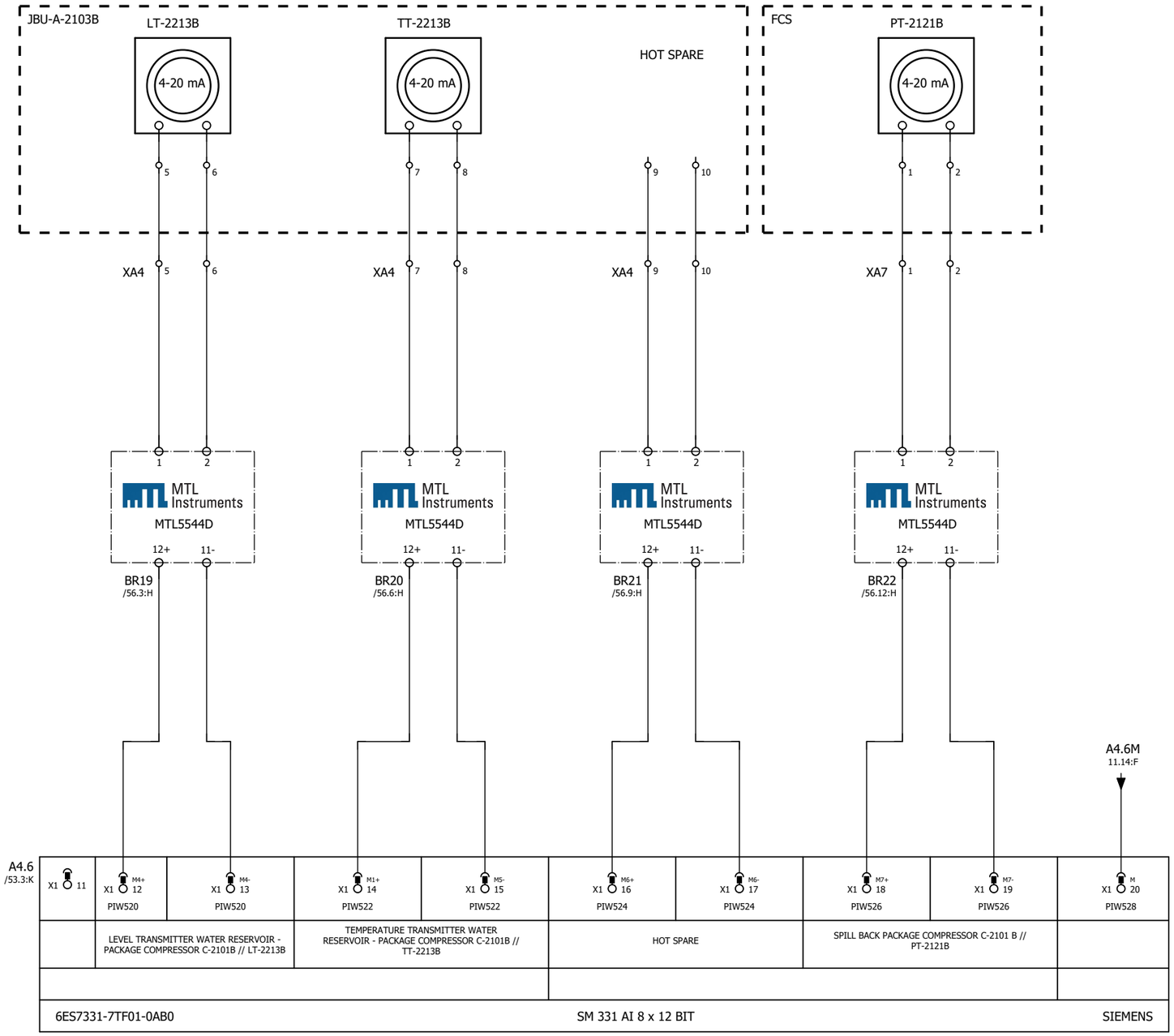
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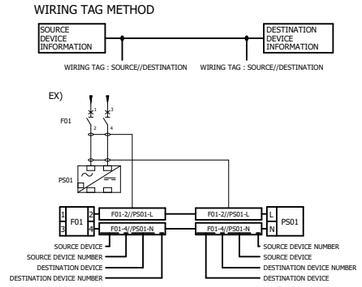
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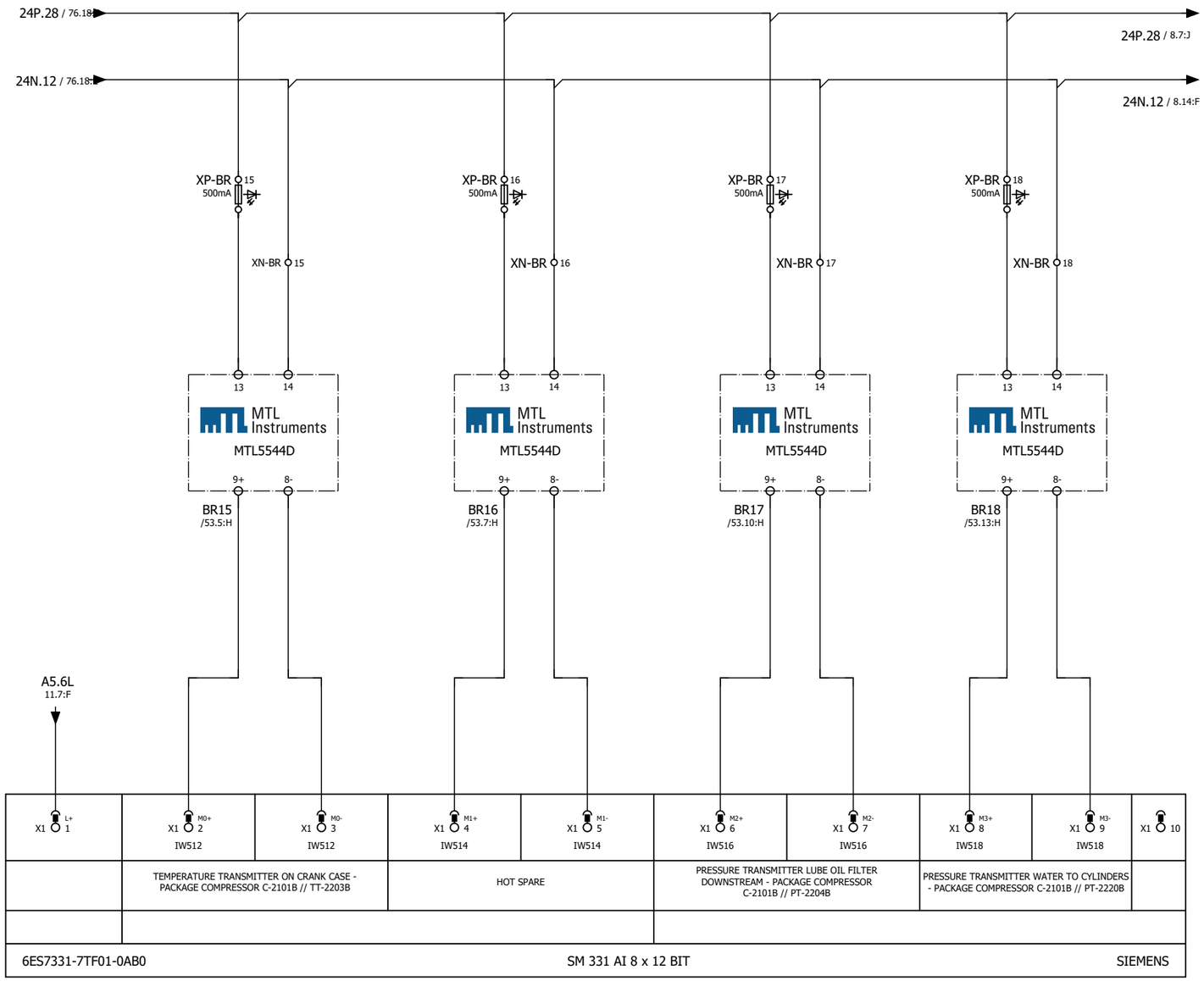
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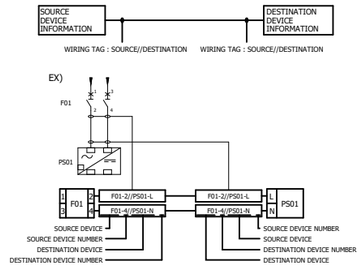
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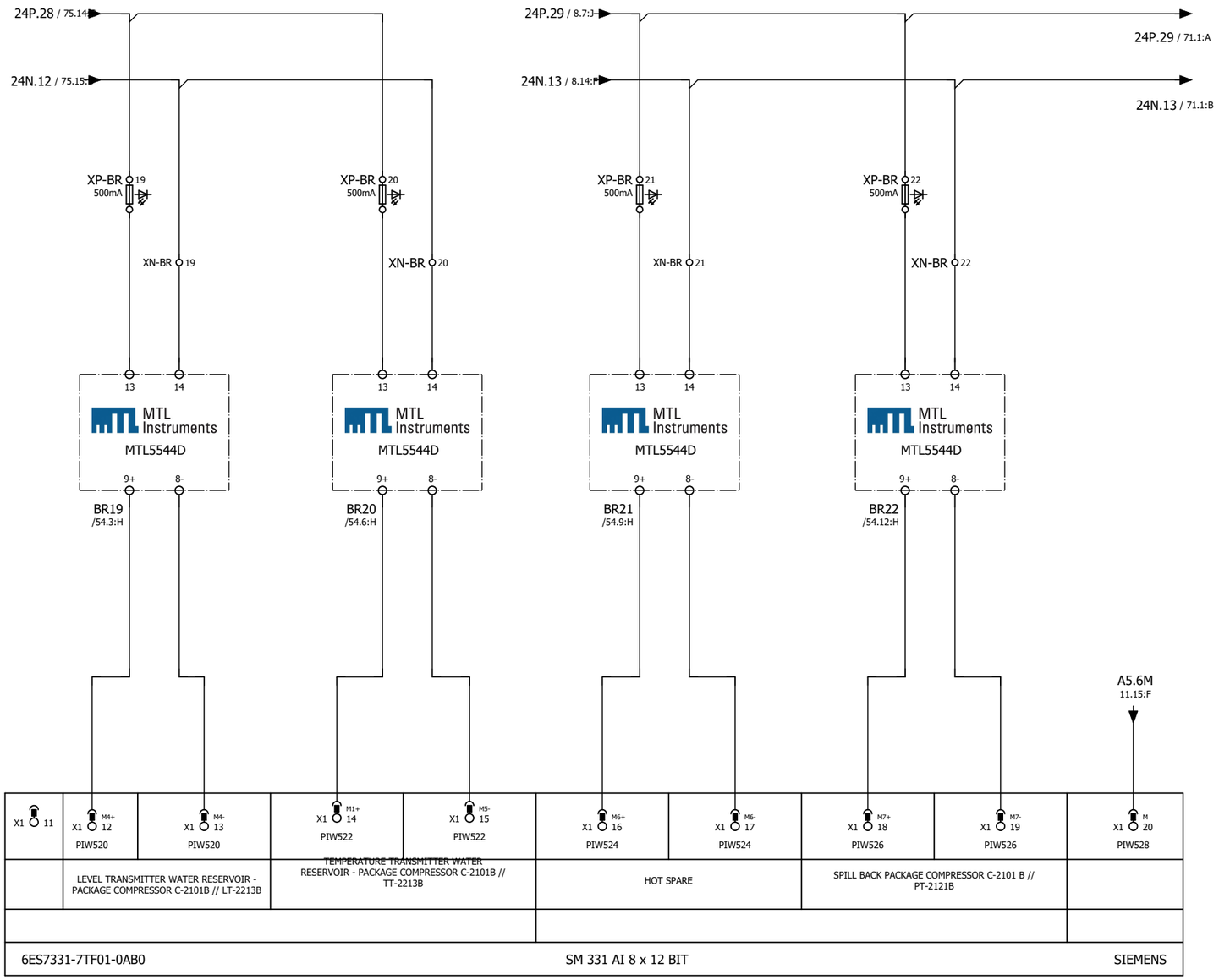
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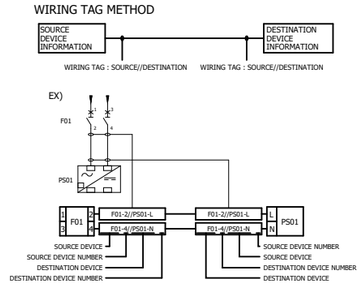
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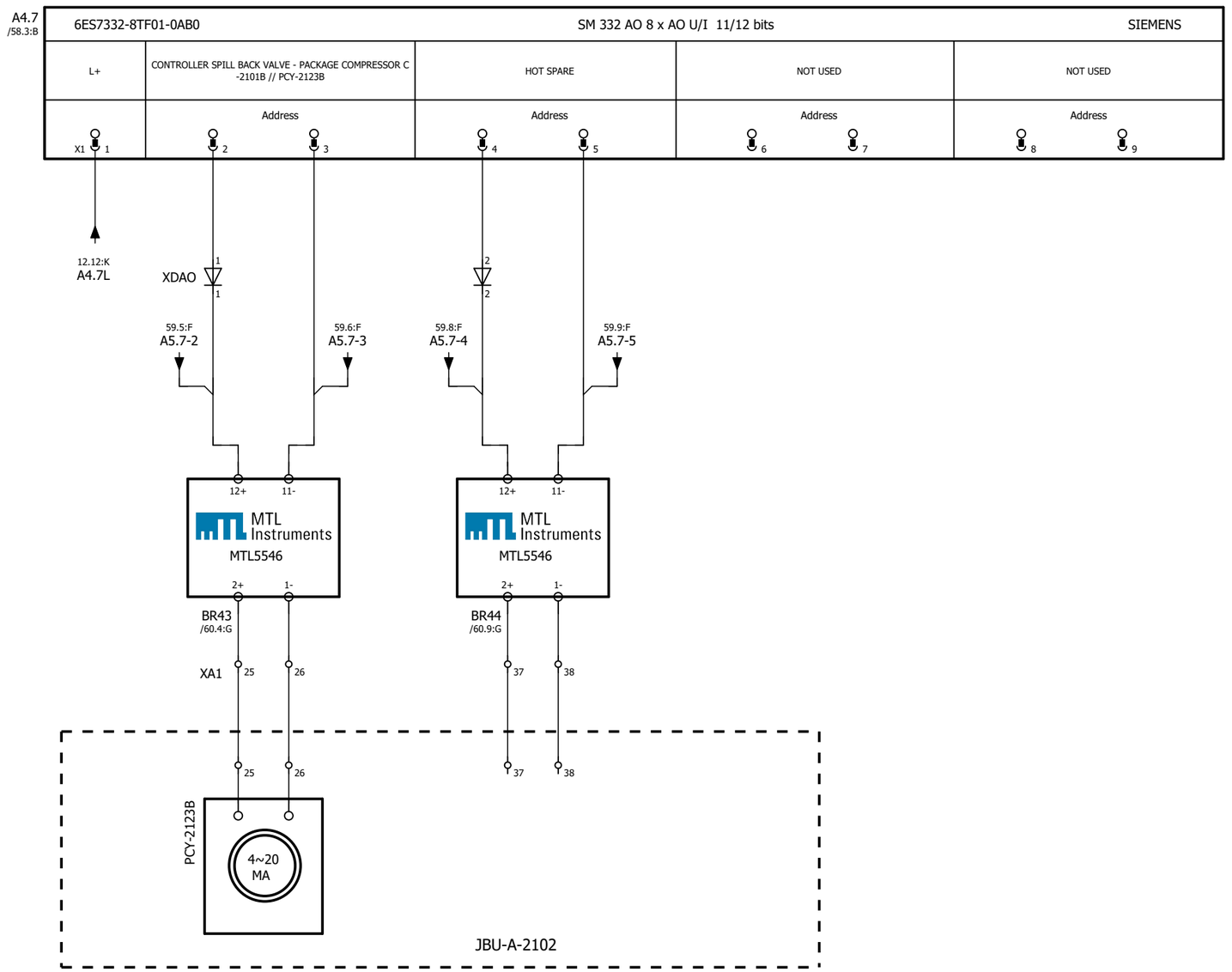
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SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	136 OF 335	00

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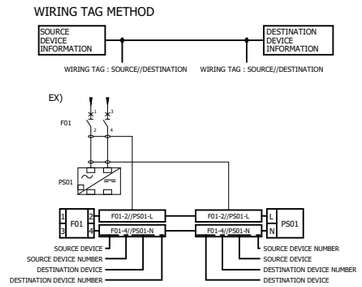


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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

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GENERAL NOTES

LEGEND

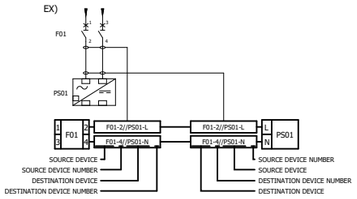
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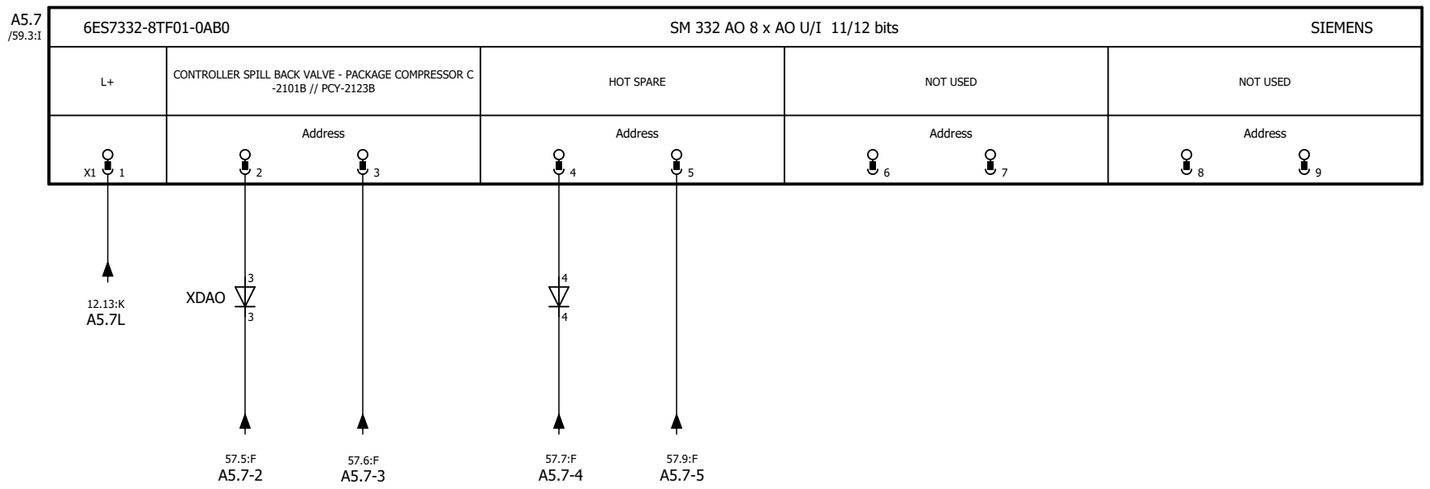
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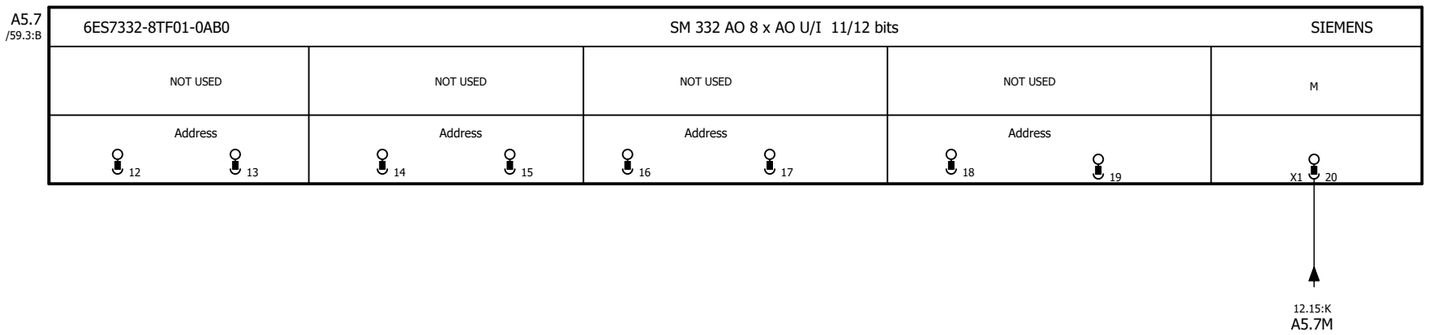
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PLC WIRING DIAGRAM & TERMINAL DETAILS

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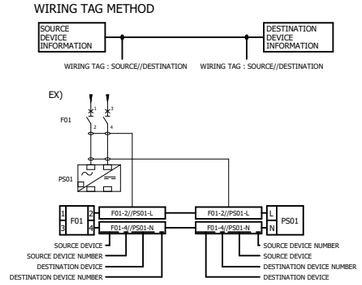
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BINAK OILFIELD DEVELOPMENT
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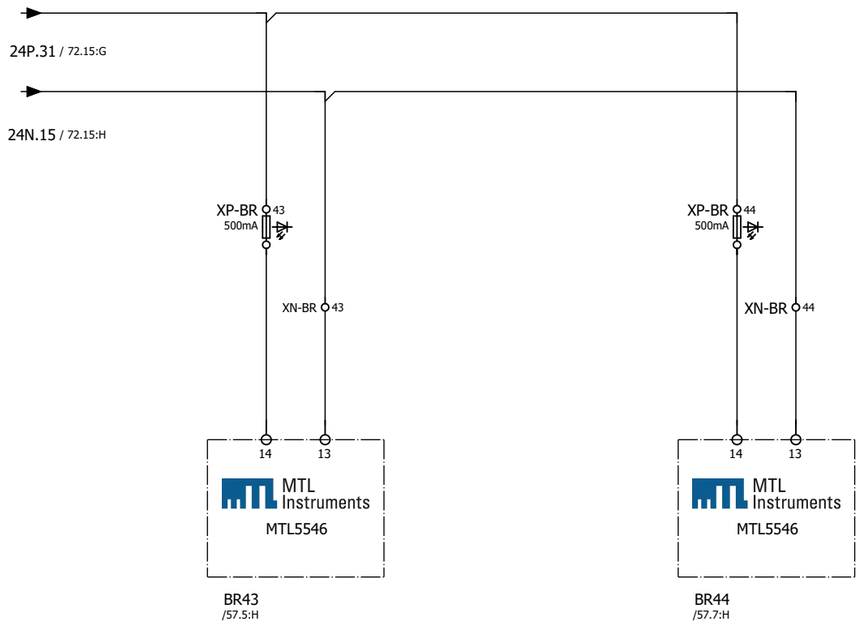
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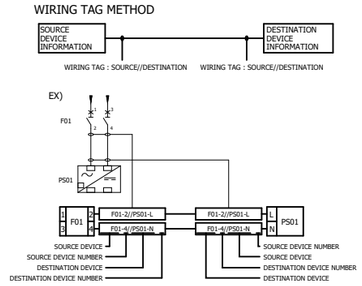
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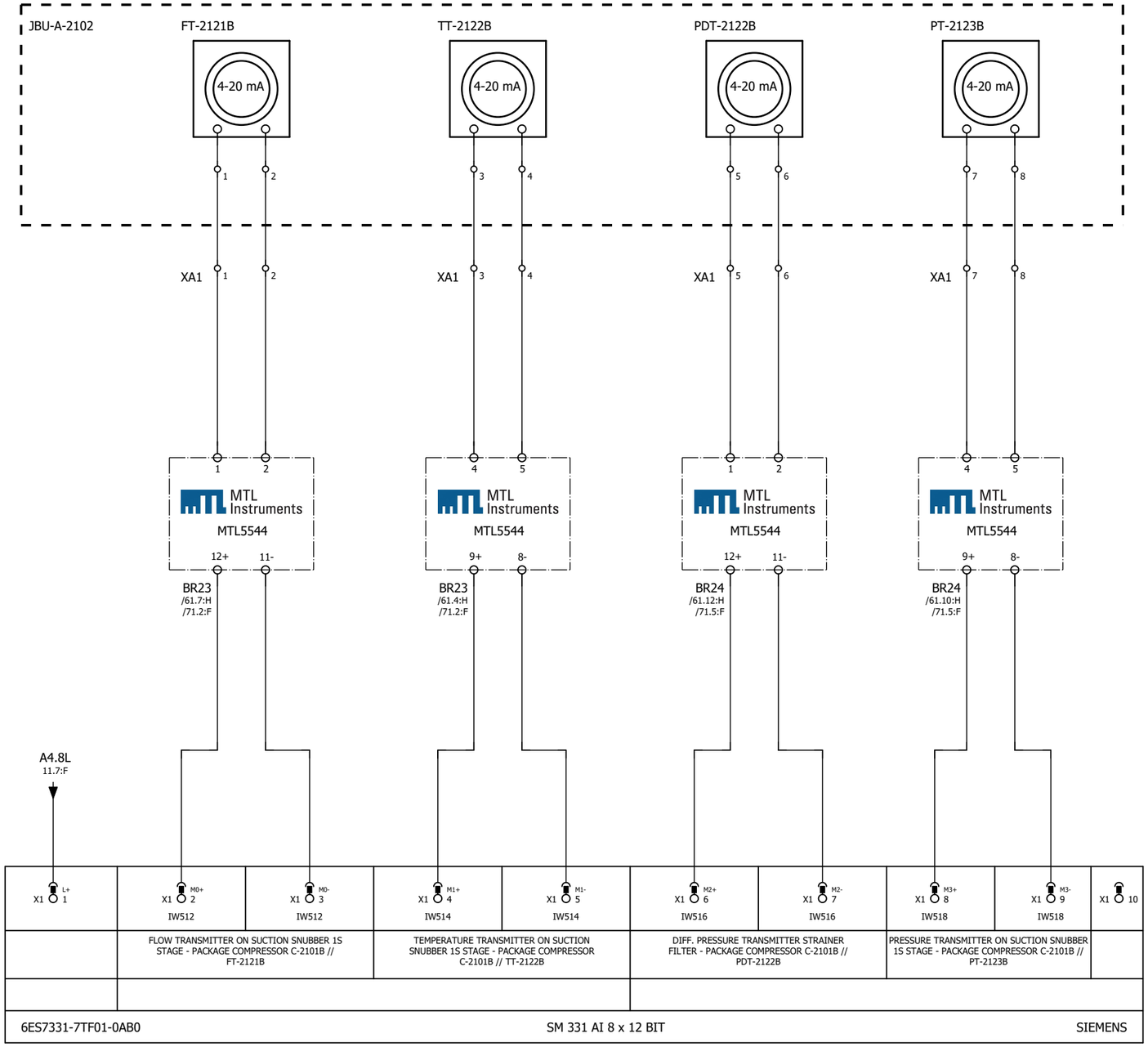
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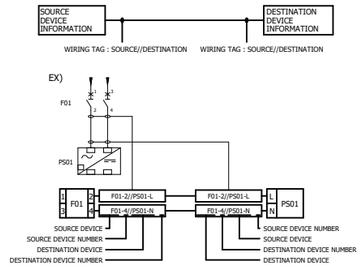
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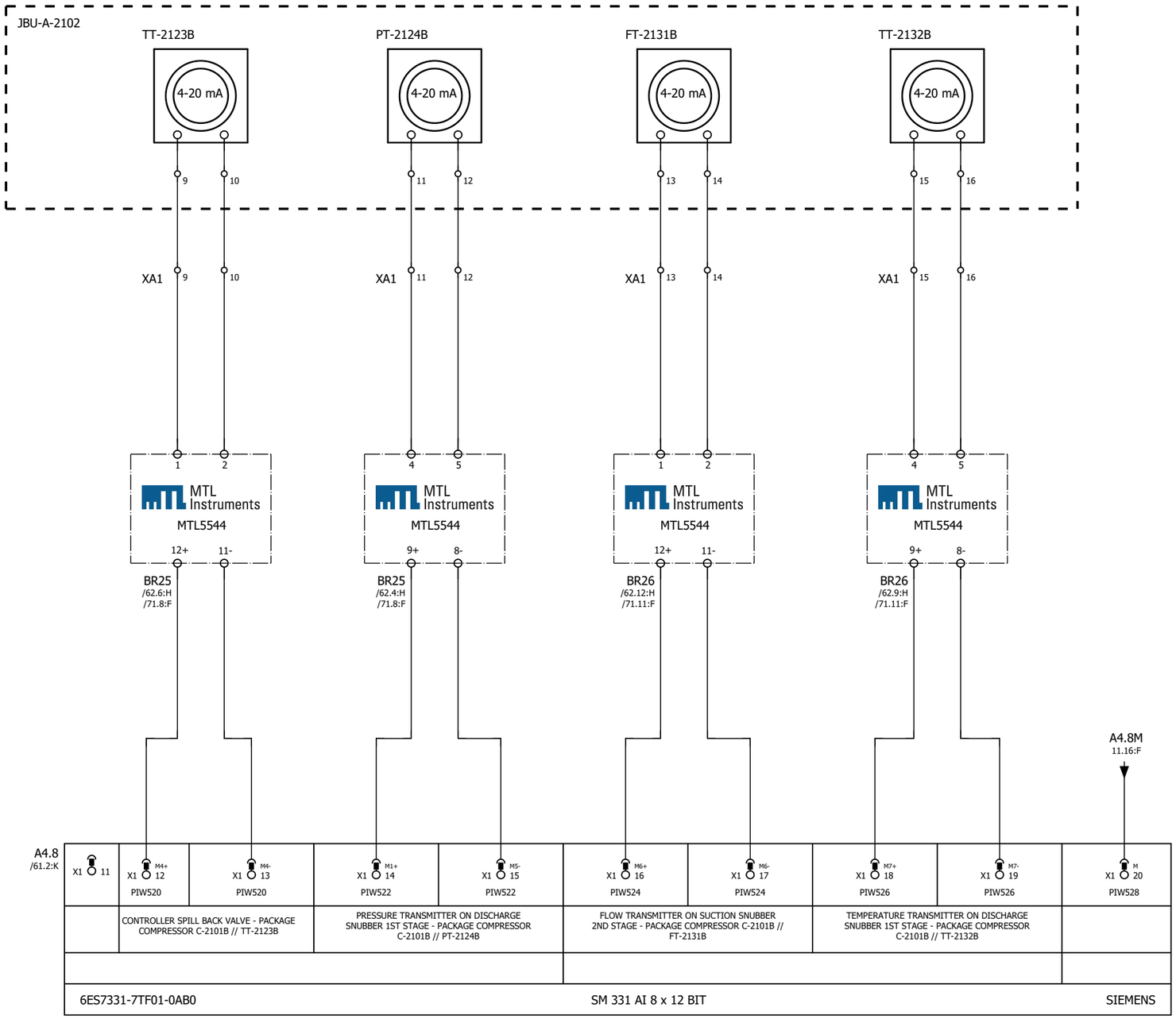
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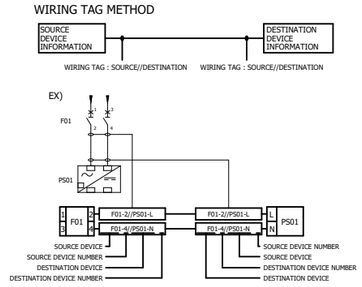
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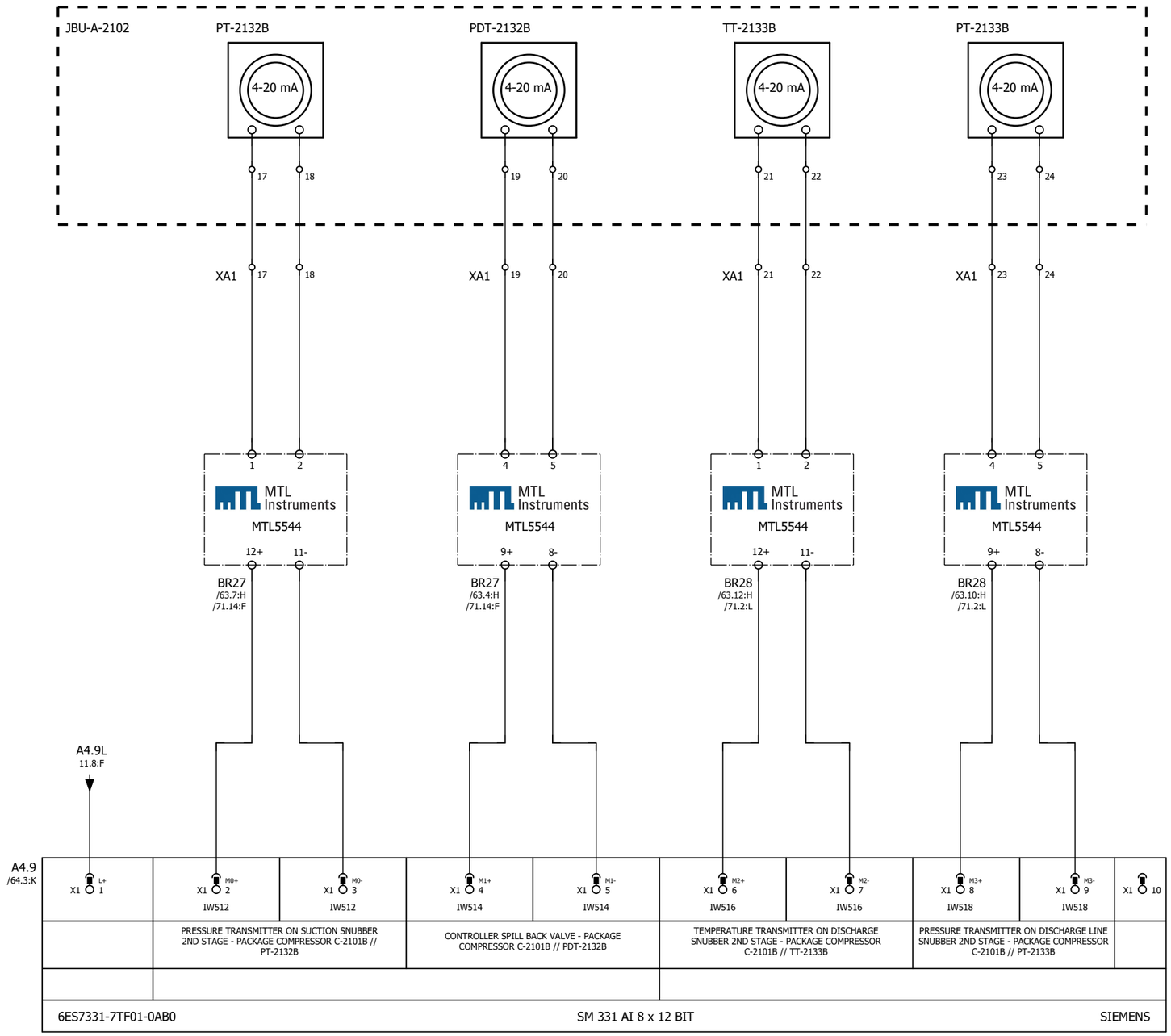
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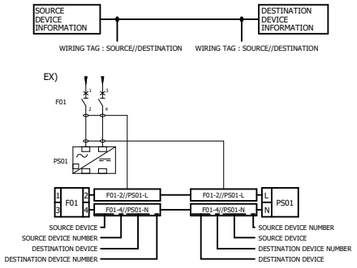
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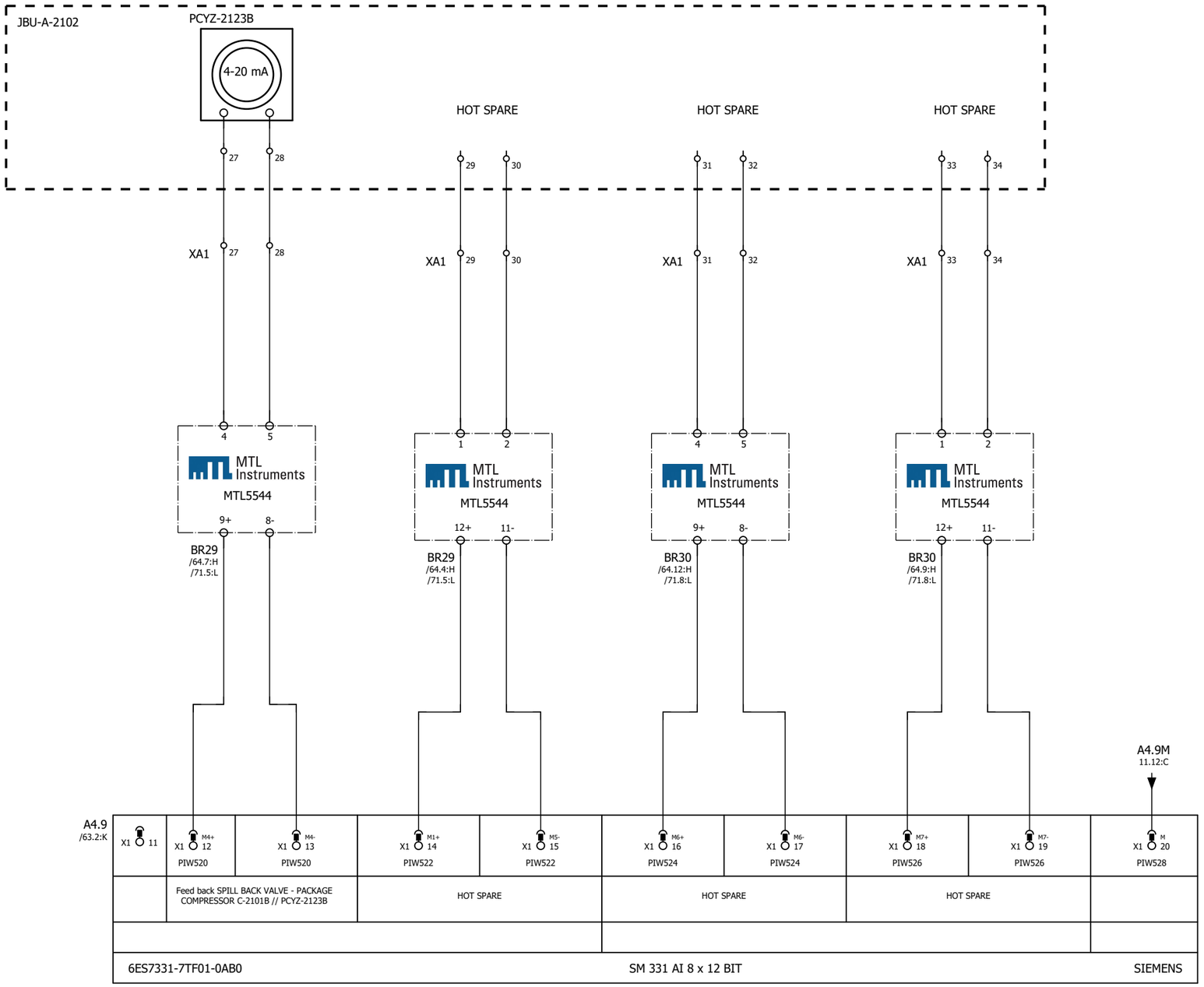
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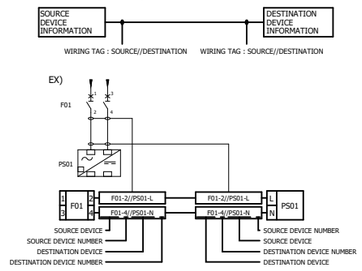
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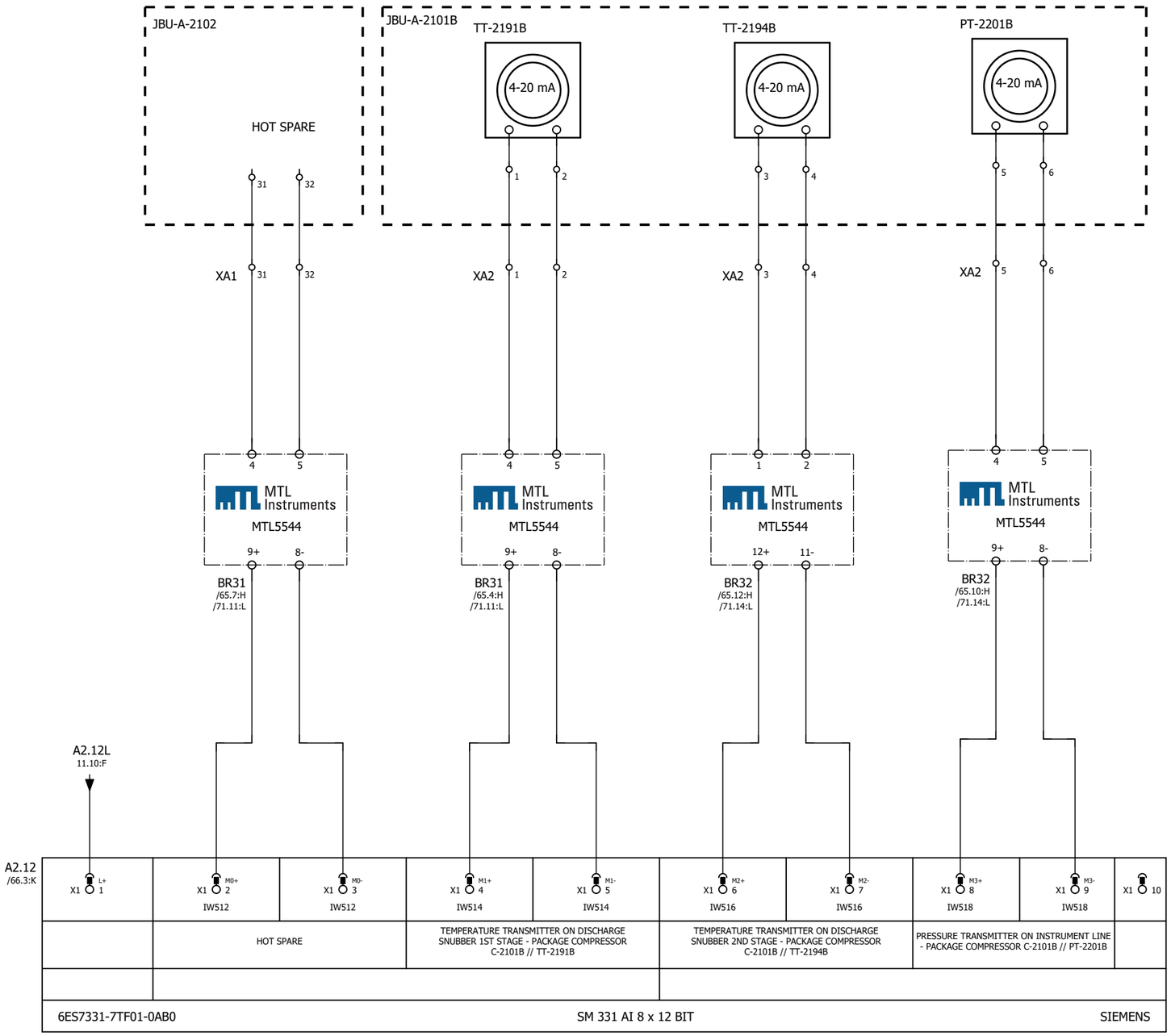
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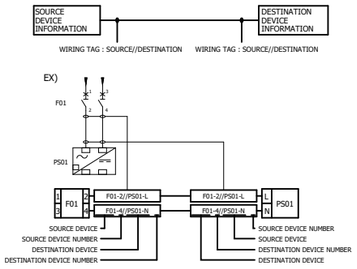
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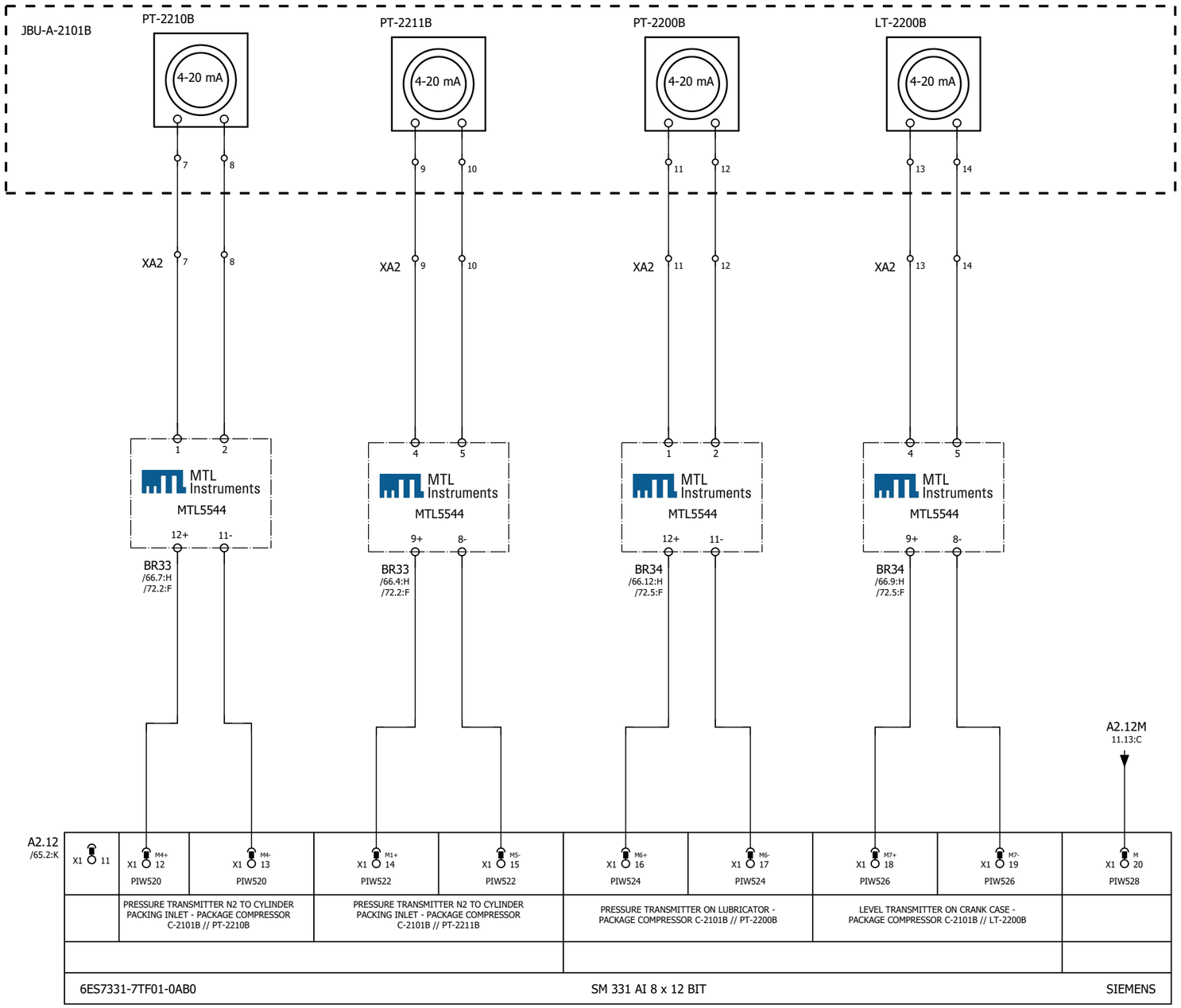
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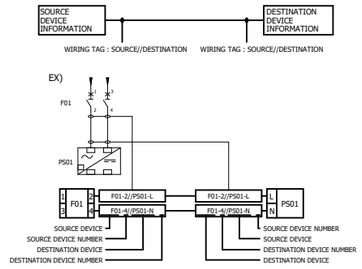
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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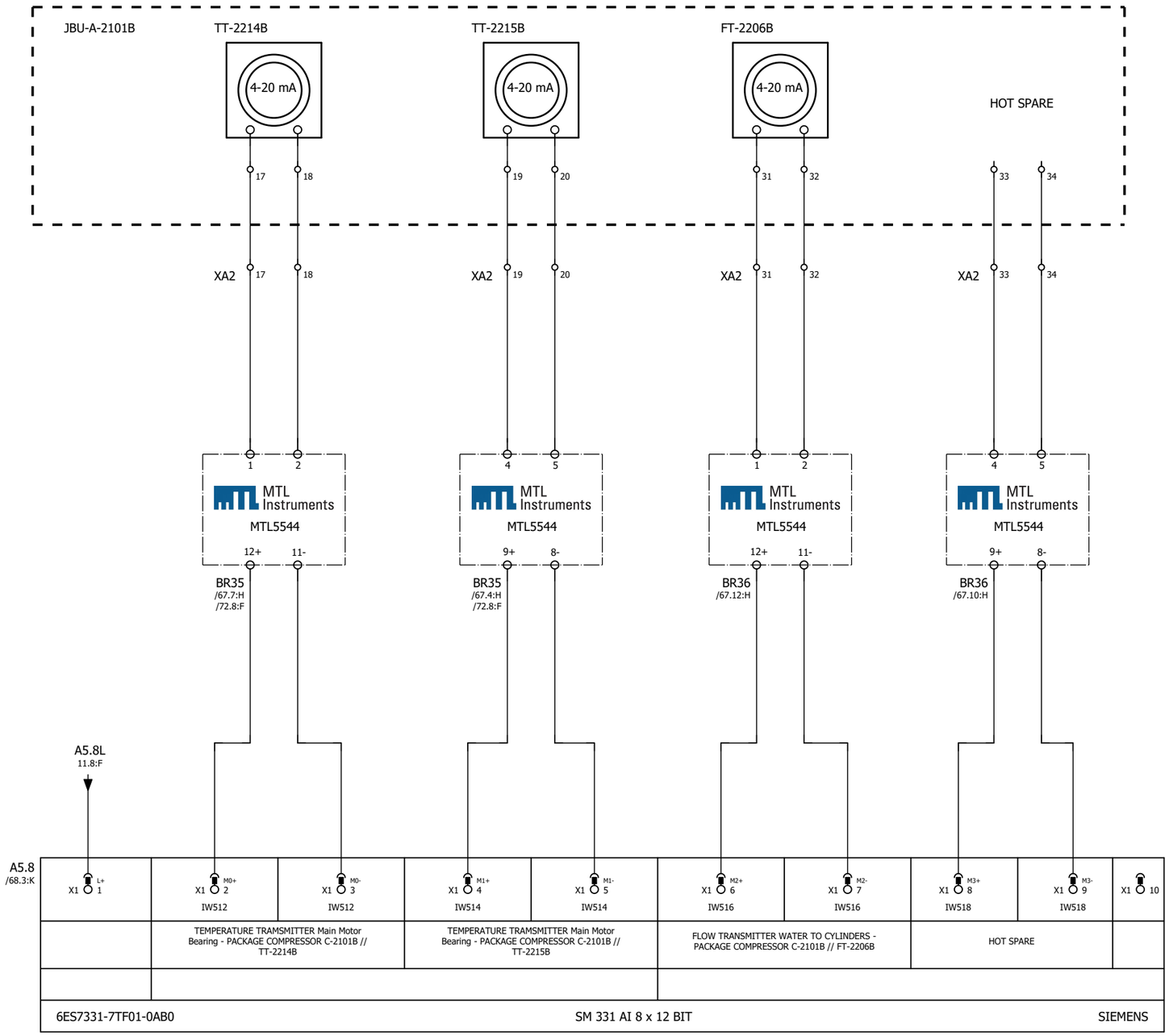
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	146 OF 335	00

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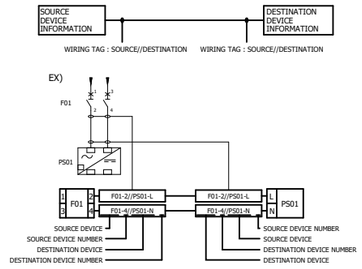
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V03					
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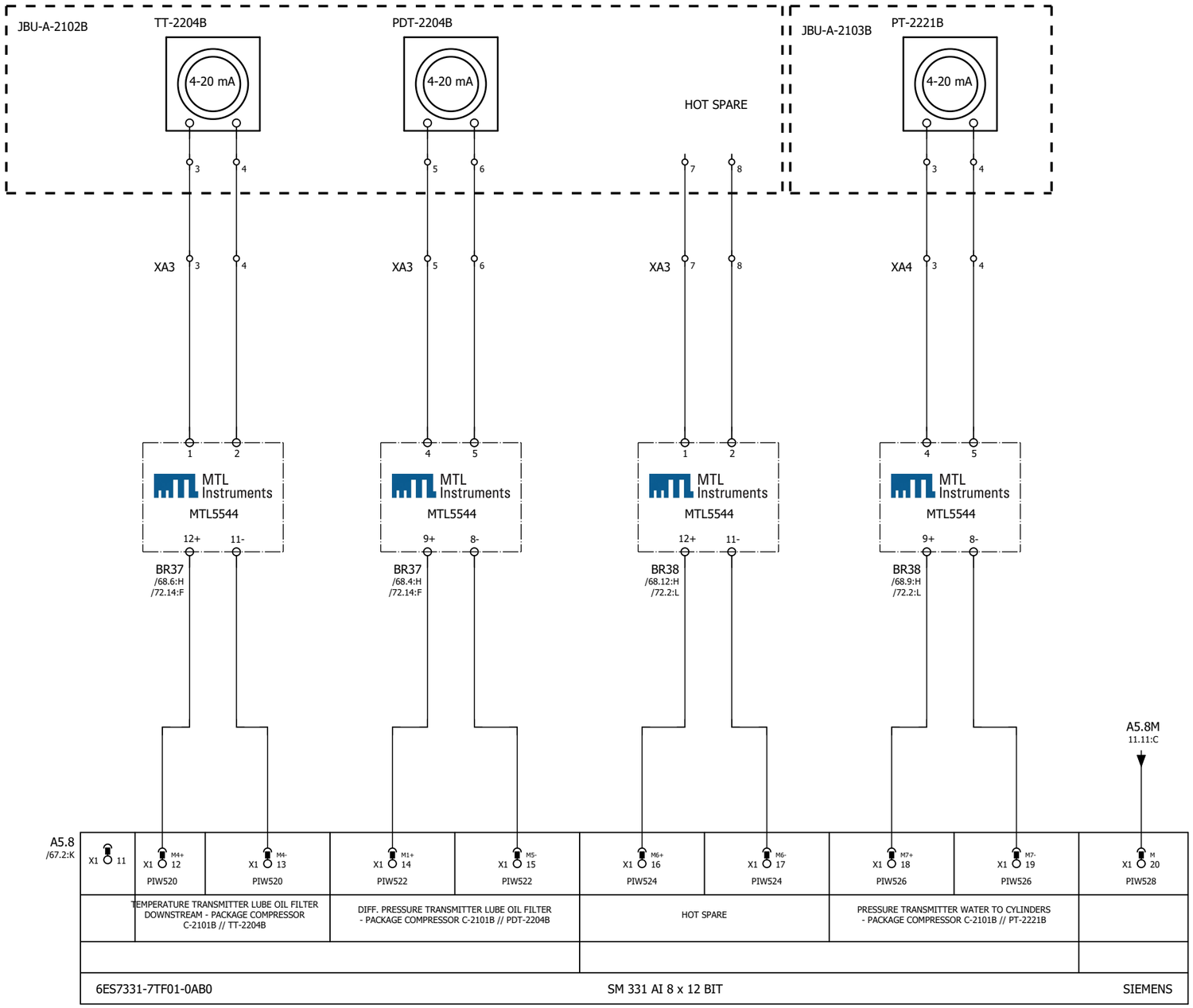
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



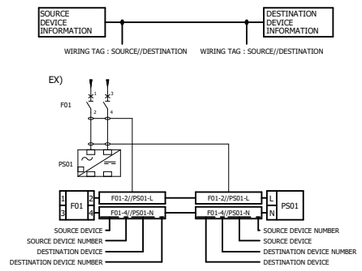
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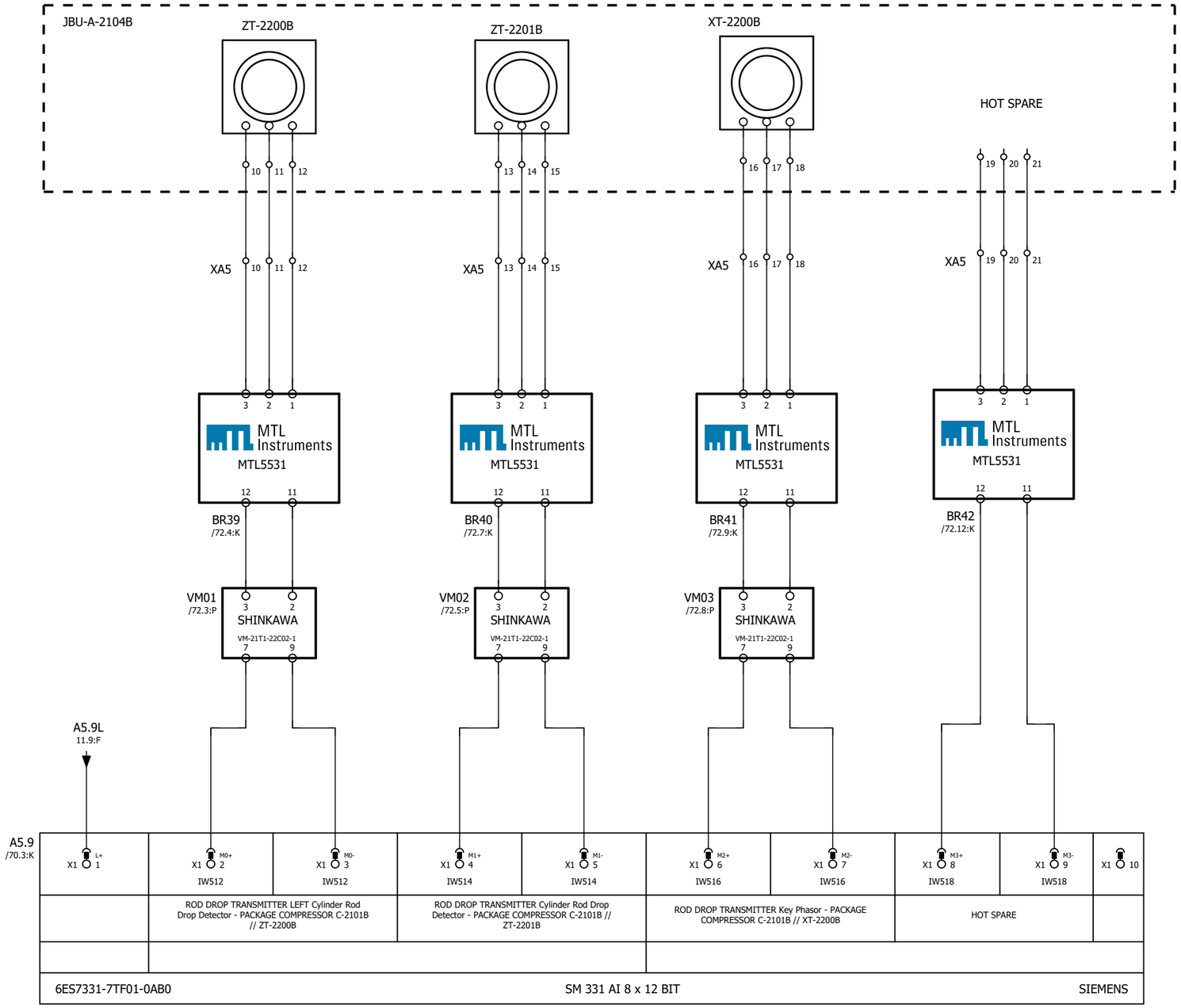
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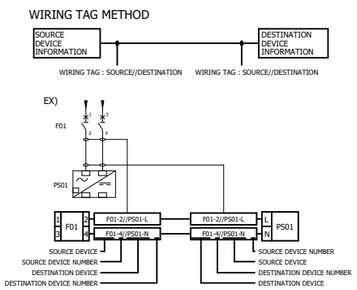
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HAVAYAR

KwangShin

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

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1:1	A3	BK-GCS-HY-120-IN-DG-0001	149 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A5.9M
11.13:C

A5.9 /69.2:K									
X1 11	X1 M4+ 12 PIW520	X1 M4- 13 PIW520	X1 M1+ 14 PIW522	X1 M5- 15 PIW522	X1 M6+ 16 PIW524	X1 M6- 17 PIW524	X1 M7+ 18 PIW526	X1 M7- 19 PIW526	X1 M 20 PIW528
	NOT USED		NOT USED		NOT USED		NOT USED		
6ES7331-7TF01-0AB0	SM 331 AI 8 x 12 BIT								SIEMENS

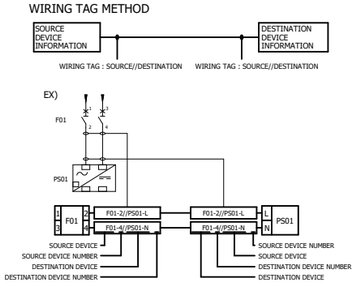
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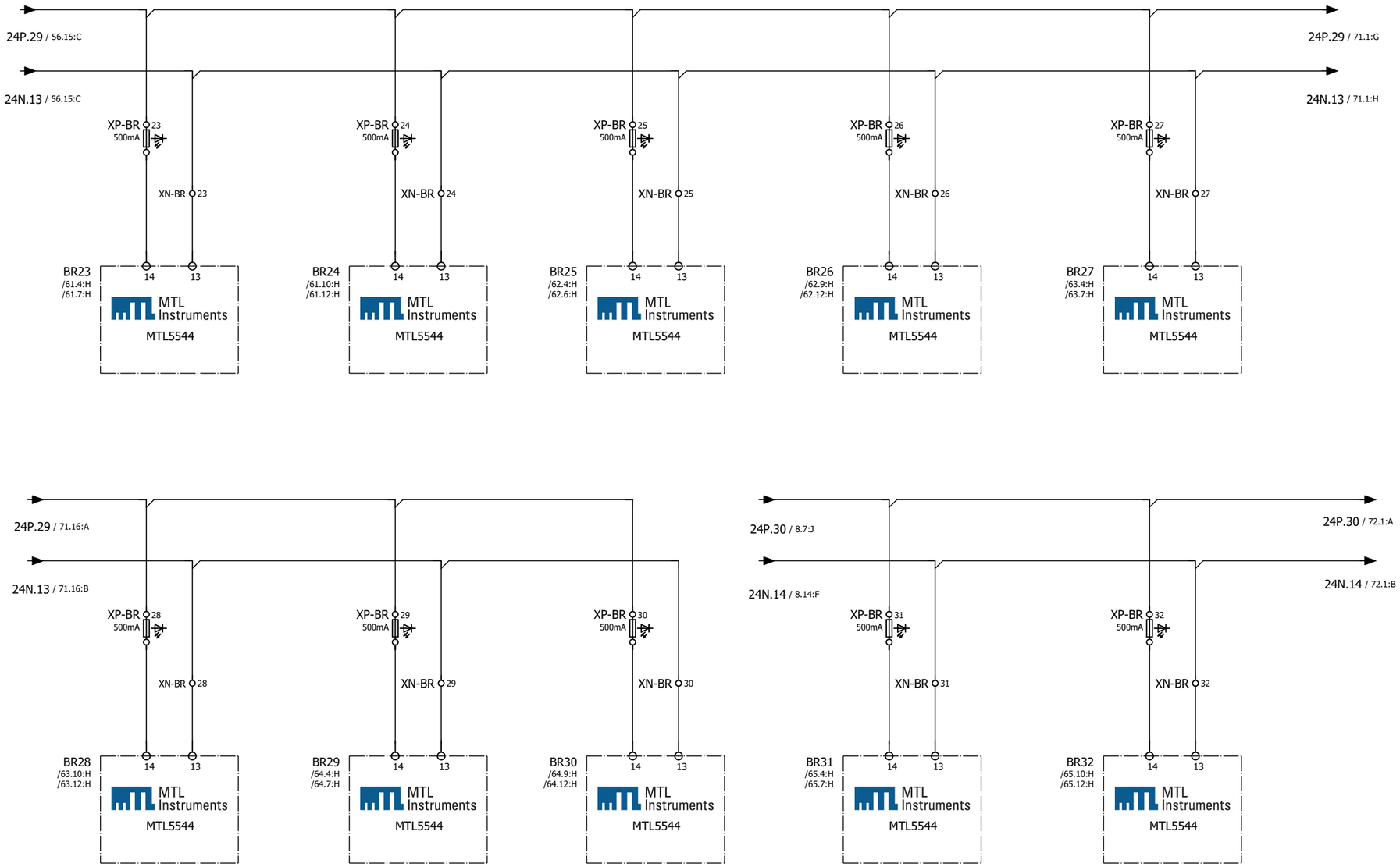
KwangShin Reciprocating Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	150 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



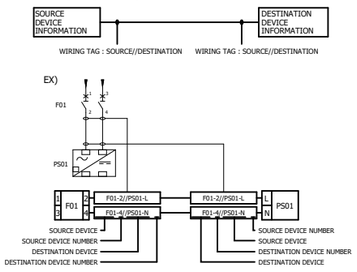
GENERAL NOTES

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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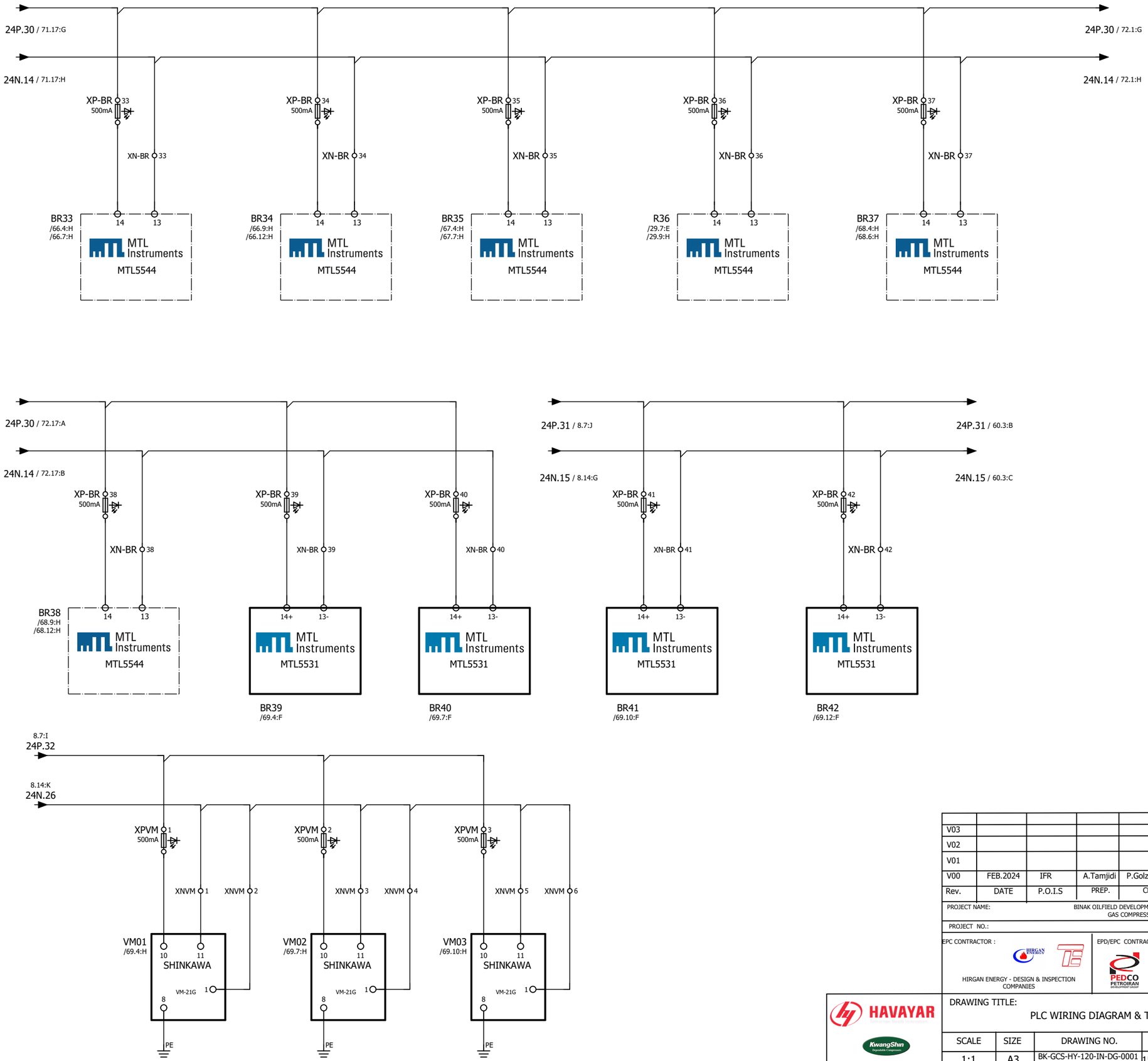
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	151 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



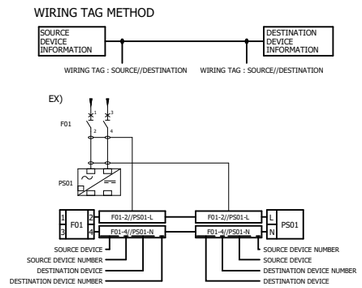
GENERAL NOTES

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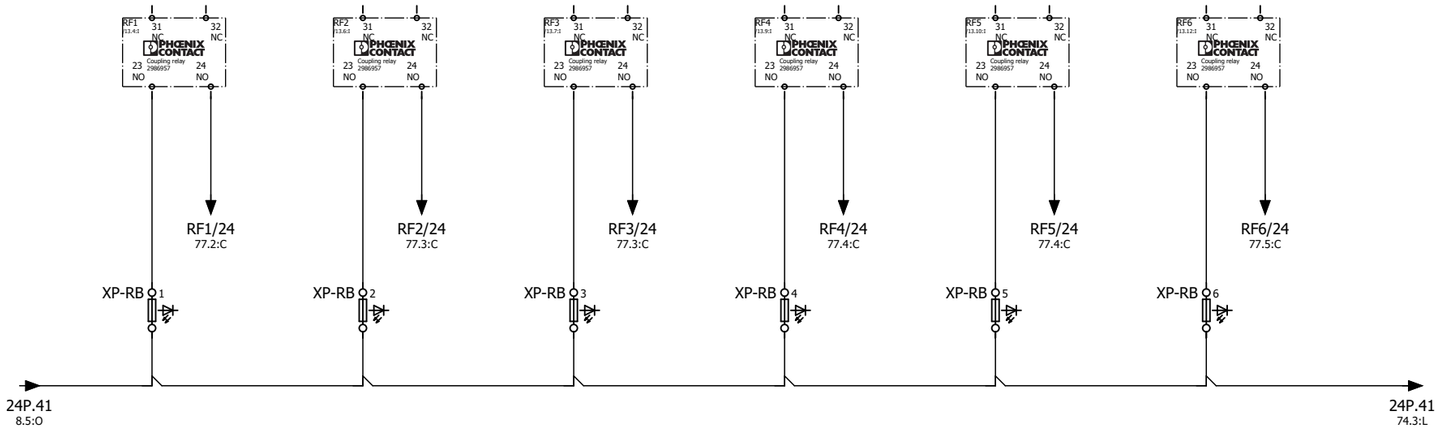
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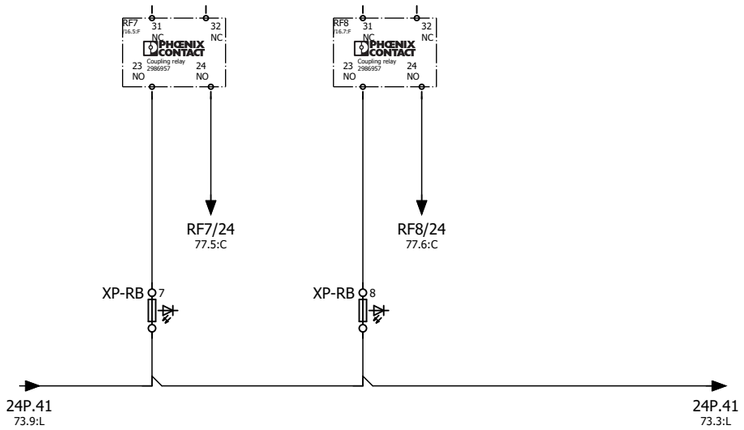
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

RELAY ESD





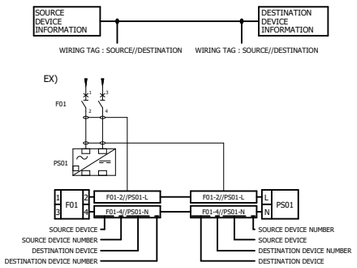
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
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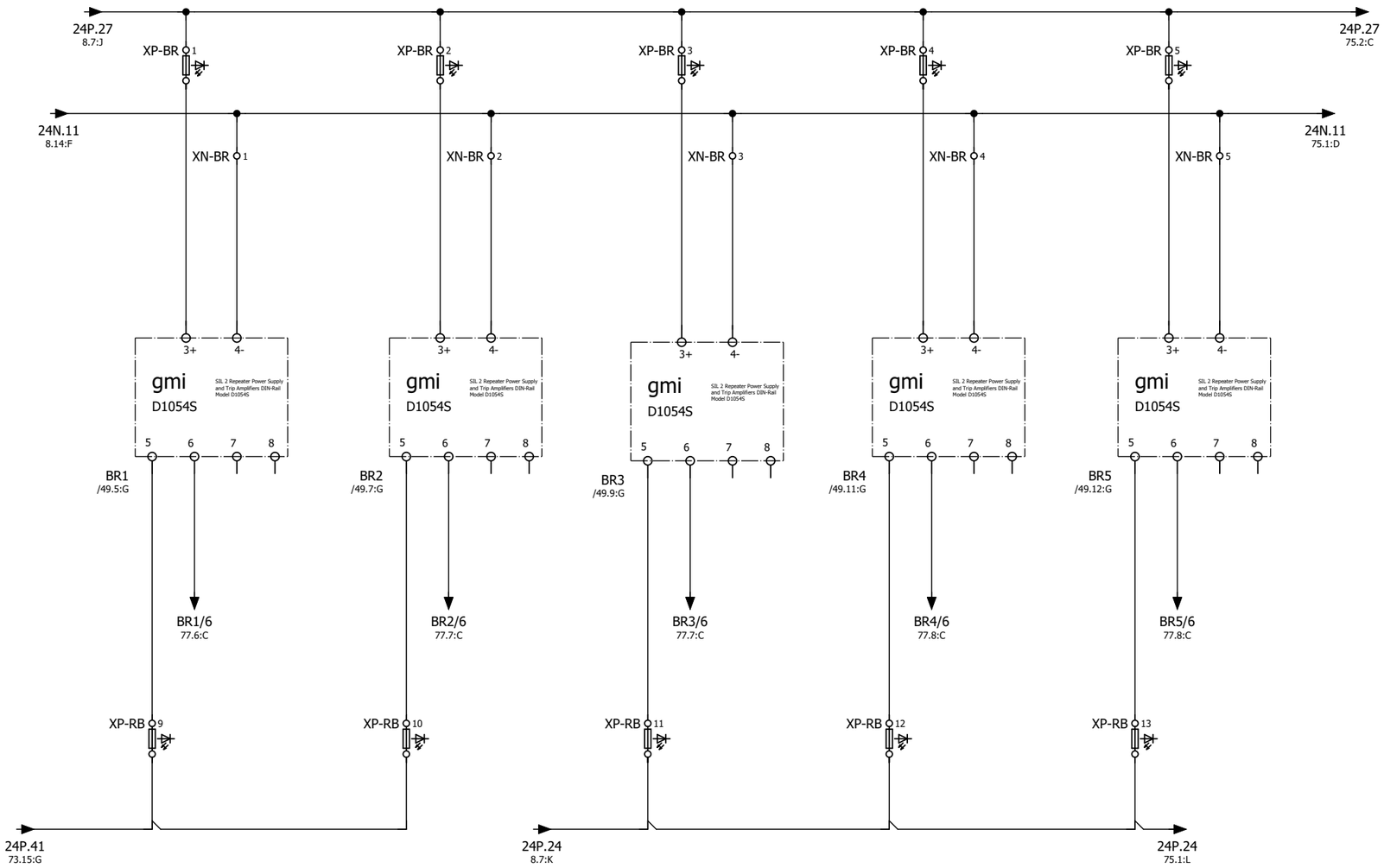
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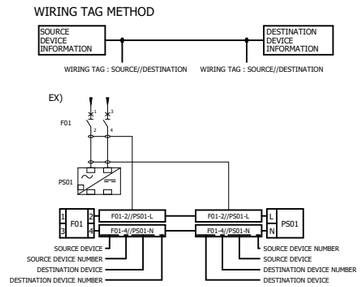
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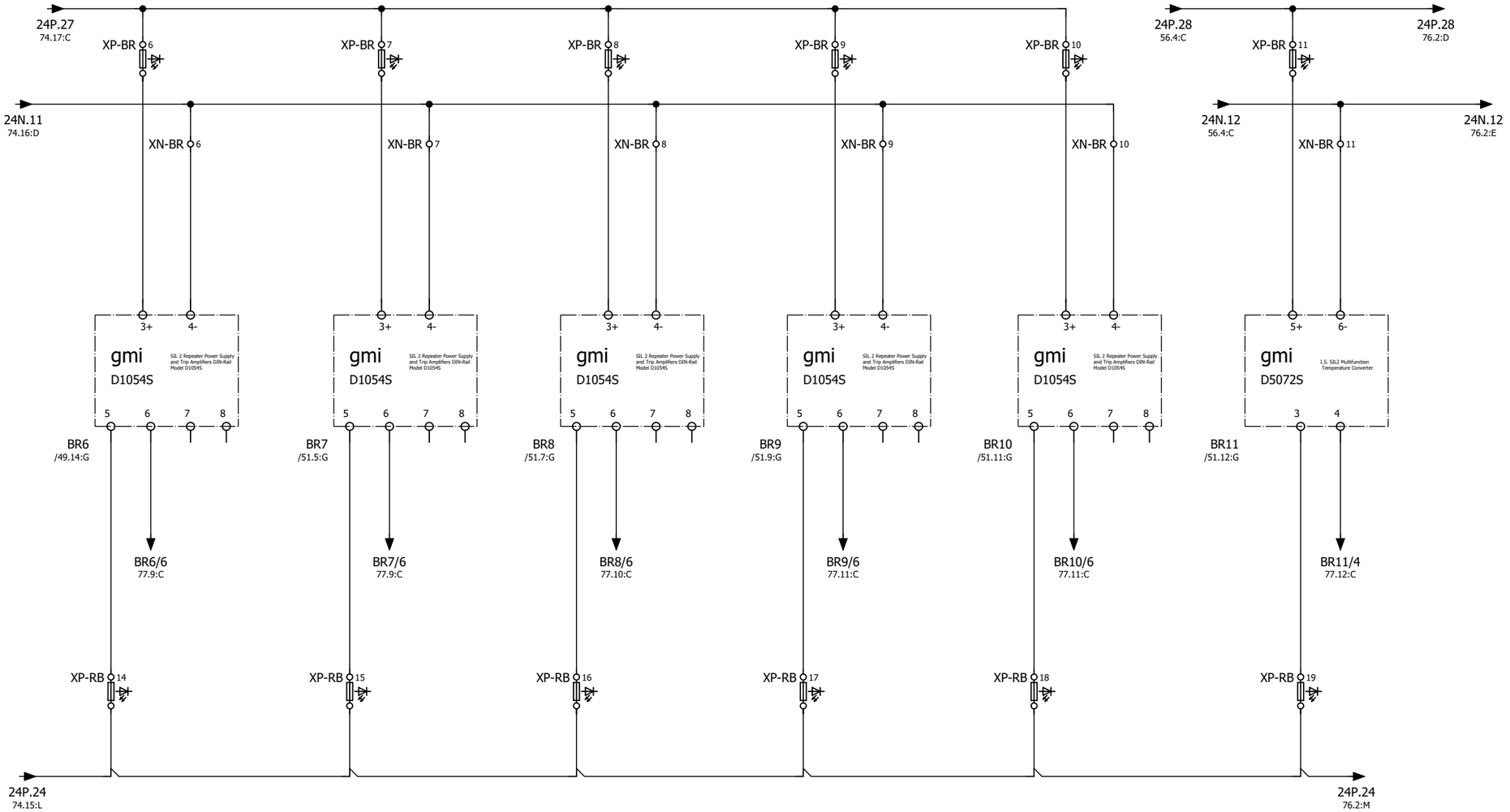
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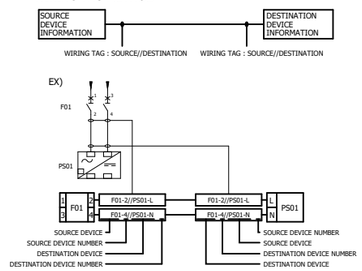
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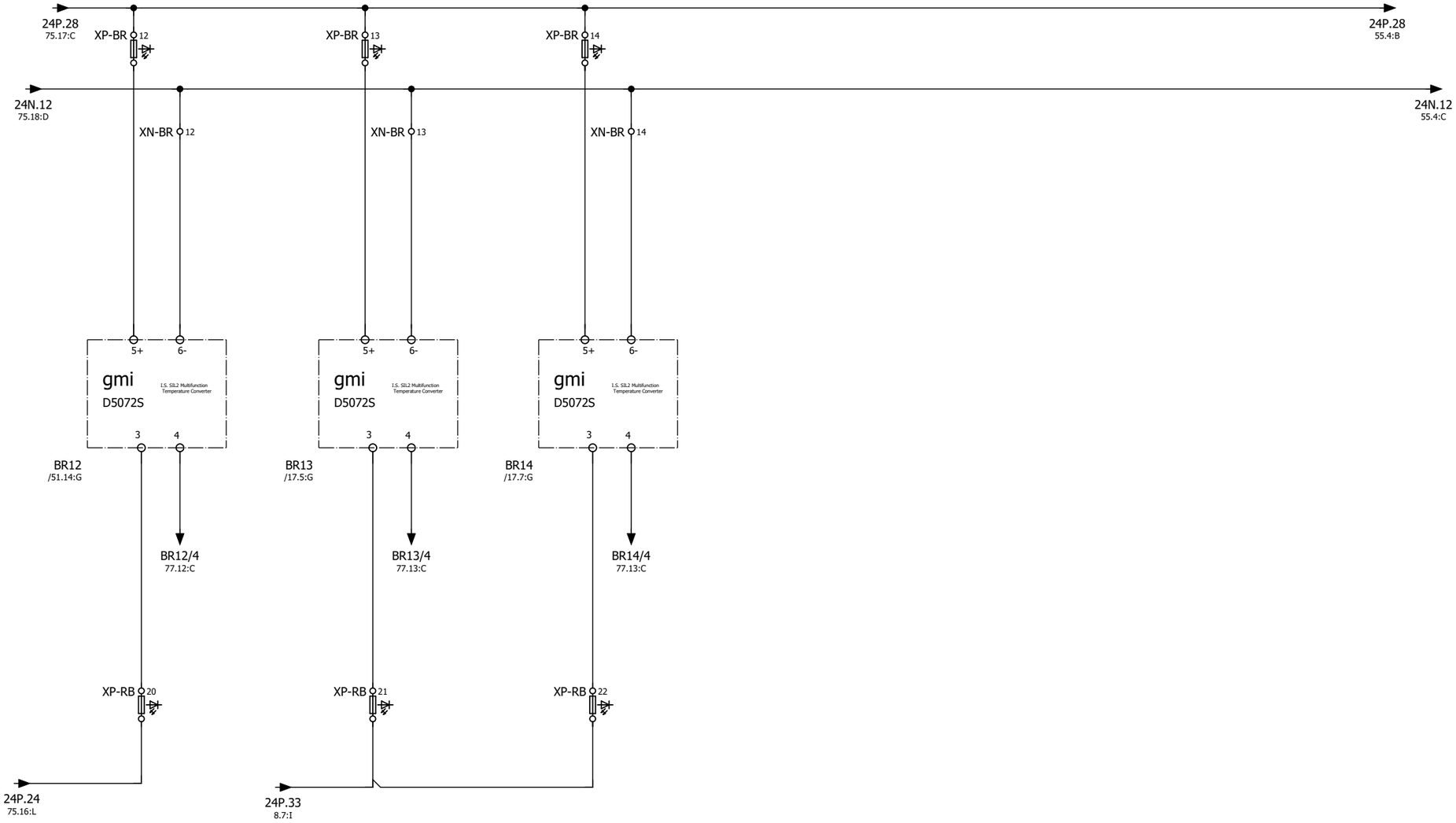
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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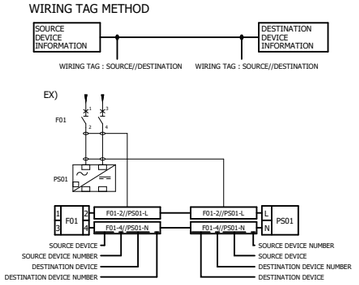
GENERAL NOTES

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

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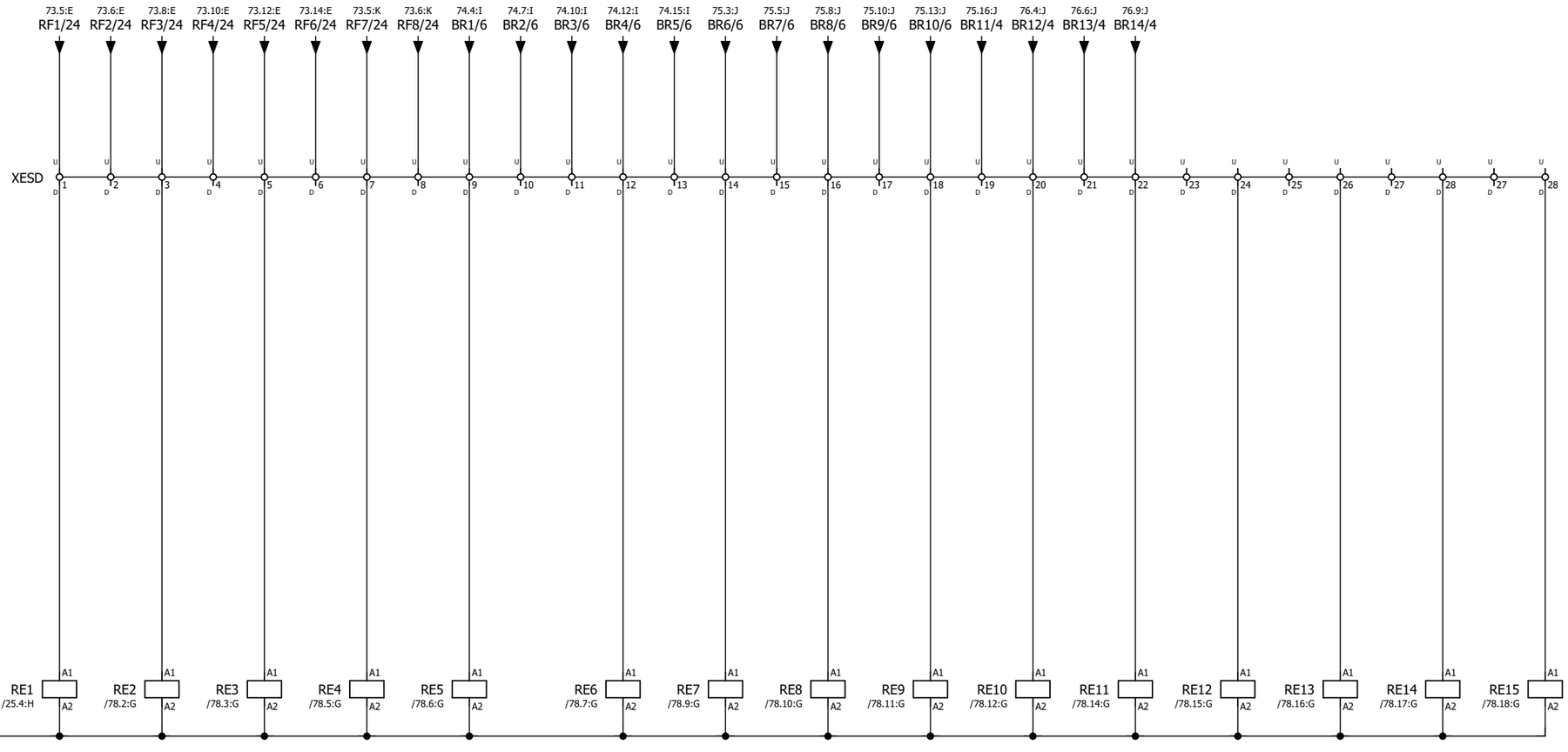
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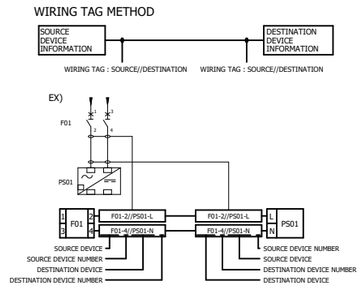
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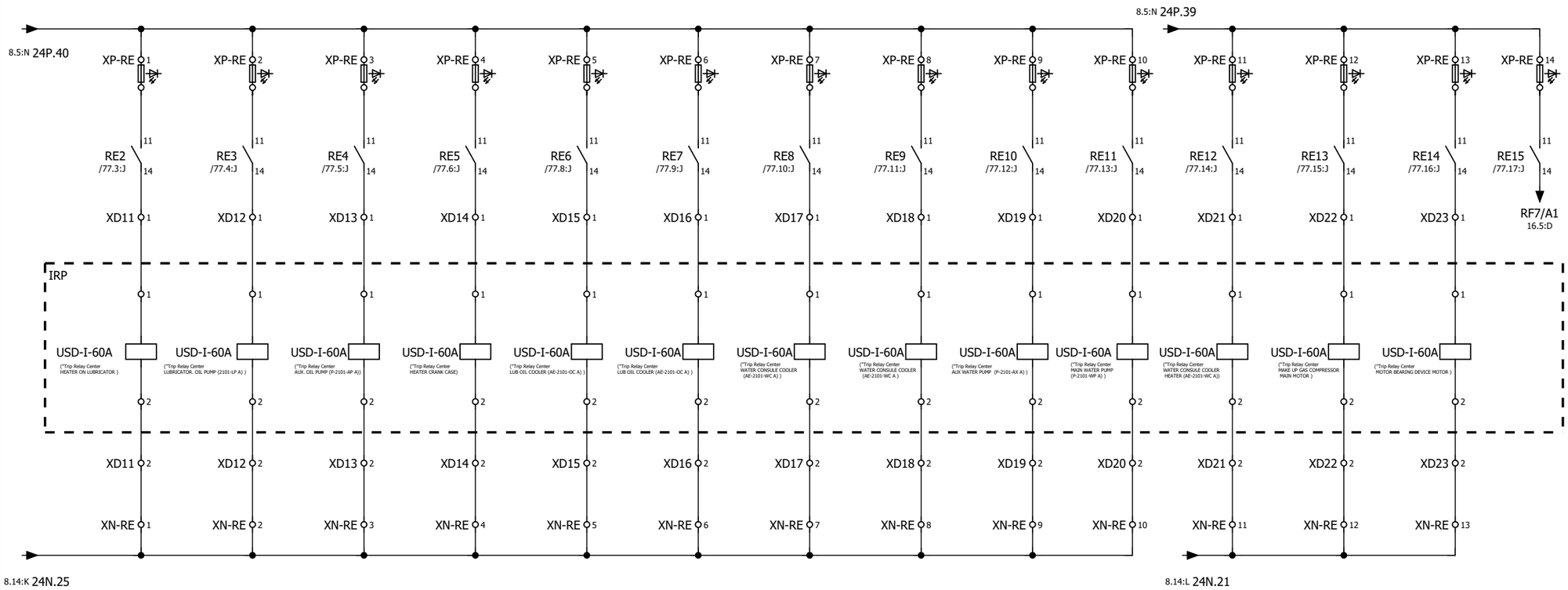
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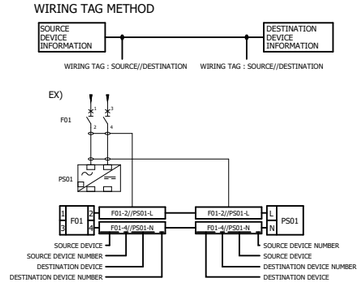
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PACKAGE COMPRESSOR
C-2101C

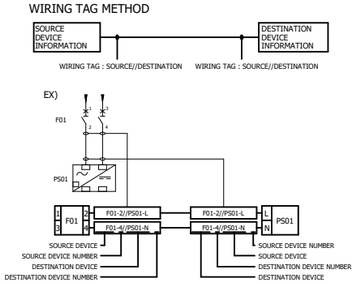
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LEGEND

ITEM	SYMBOL	DESCRIPTION
1		TERMINAL
2		MCB
3		Terminal Fuse With LED
4		EMG Stop Push Button
5		Selector Switch
6		Relays, contactors Coil
7		NO Contact
8		Door Micro Switch
9		Heater Thermostat
10		Fan Thermostat
11		Fluorescent
12		Heater
13		Outlet Socket
14	M 1~	POWER SUPLLY
15	4-20mA	Analog Input

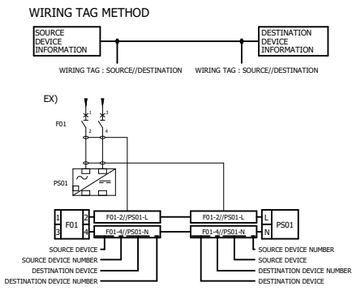
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WIRE COLOR CODE

WIRING TYPE	WIRE	WIRE COLOR	LABEL WIRE COLORE	LABEL WIRE FONT COLORE	SIZE mm2	Material
110VAC UPS POWER	PHASE (LINE 1)	YELLOW	WHITE	BLACK	2.5	PVC
	NEUTRAL (LINE 2)	GRAY	WHITE	BLACK	2.5	PVC
230VAC NUPS POWER	PHASE (LINE 1)	BROWN	WHITE	BLACK	2.5	PVC
	NEUTRAL (LINE 2)	LIGHT BLUE	WHITE	BLACK	2.5	PVC
	EARTH	YELLOW-GREEN	WHITE	BLACK	2.5	PVC
24VDC	24VDC (MAIN)	RED	WHITE	BLACK	1.5	PVC
	0VDC (MAIN)	BLACK	WHITE	BLACK	1.5	PVC
	24VDC (DISTRIBUTION)	RED	WHITE	BLACK	0.75	PVC
	0VDC (DISTRIBUTION)	BLACK	WHITE	BLACK	0.75	PVC
SIGNAL WIRES	DIGITAL INPUT SIGNALS	IS / BLUE	WHITE	BLACK	0.75	PVC
		NIS / WHITE	WHITE	BLACK	0.75	PVC
	DIGITAL OUTPUT SIGNALS	IS / BLUE	WHITE	BLACK	FROM CARD TO RELAY 0.75 / FROM RELAY TO TERMINAL 0.75	PVC
		NIS / WHITE	WHITE	BLACK	FROM CARD TO RELAY 0.75 / FROM RELAY TO TERMINAL 0.75	PVC
	ANALUG INPUT SIGNALS	IS / BLUE	WHITE	BLACK	0.75	PVC
		NIS / WHITE	WHITE	BLACK	0.75	PVC
EARTH	ELECTRICAL EARTH (PE) (SAFETY EARTH)	YELLOW-GREEN	WHITE	BLACK	2.5	PVC
	INSTRUMENT EARTH (IPE)	GREEN WITH RED OR WIGHT ID RING	WHITE	BLACK	2.5	PVC

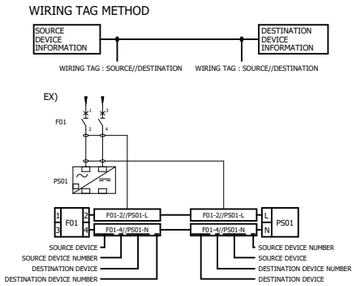
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SURFACE FACILITIES

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NUPS INCOMING
230V AC + PE

X-NUPS
1 L
2 N
3 PE
PE BUS

F1
Main NUPS Power
MCB, 2P, 10A
TYPE: C

F2
MCB
2P, 2A
TYPE: C

F3
MCB
2P, 2A
TYPE: C

F4
MCB
2P, 4A
TYPE: C

XLight-L
XLight-N

S1 S2 S3 S4 S5 S6

H1 Panel C1 Front Side Lighting 230VAC
H2 Panel C1 Back Side Lighting 230VAC
H3 Panel C2 FRONTSide Lighting 230VAC
H4 Panel C2 Back Side Lighting 230VAC
H5 Panel C2 Back Side Lighting 230VAC
H6 Panel C2 Back Side Lighting 230VAC

HY01 Heater HYDROSTAT
HY02 Heater HYDROSTAT

HT01 Panel Heater 230VAC
HT02 Panel Heater 230VAC

REC
Outlet Socket
230VAC, 4A

PE BUS

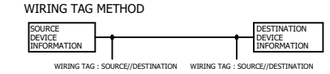
GENERAL NOTES

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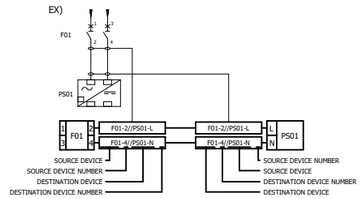
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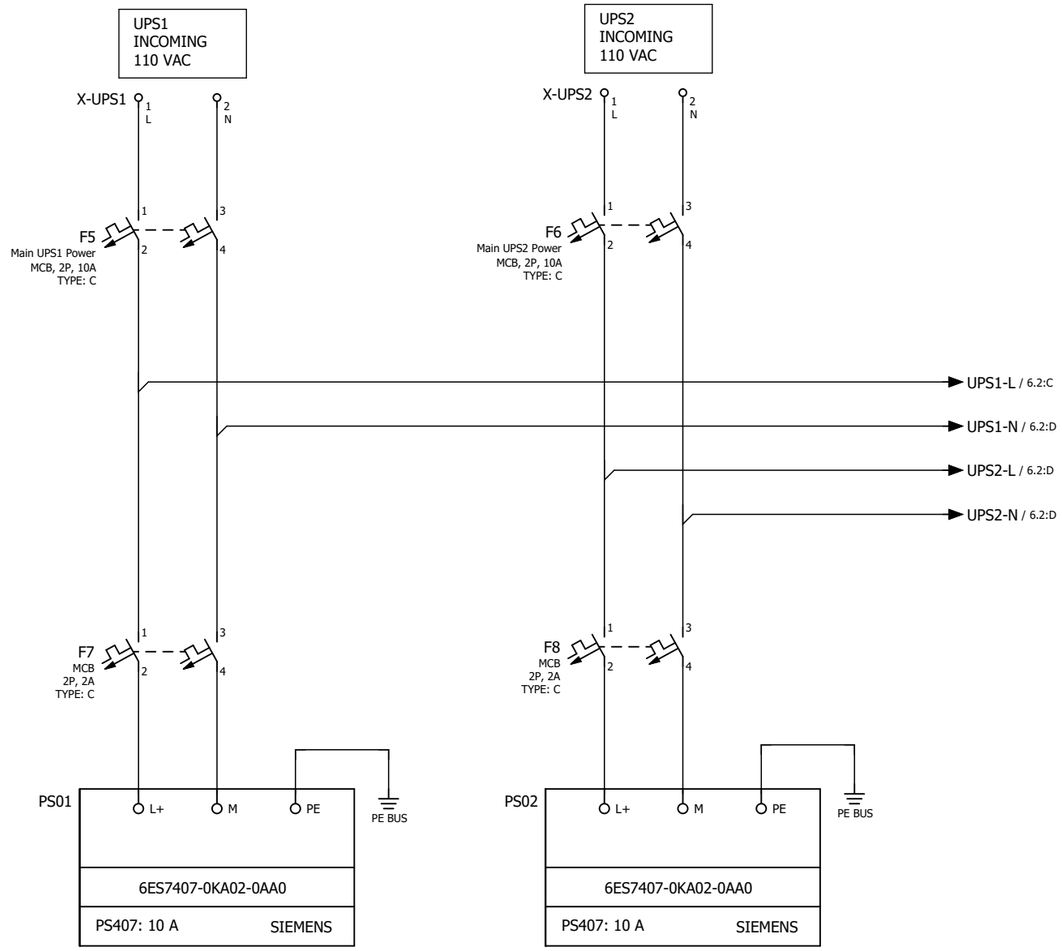
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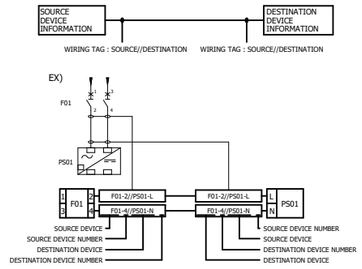
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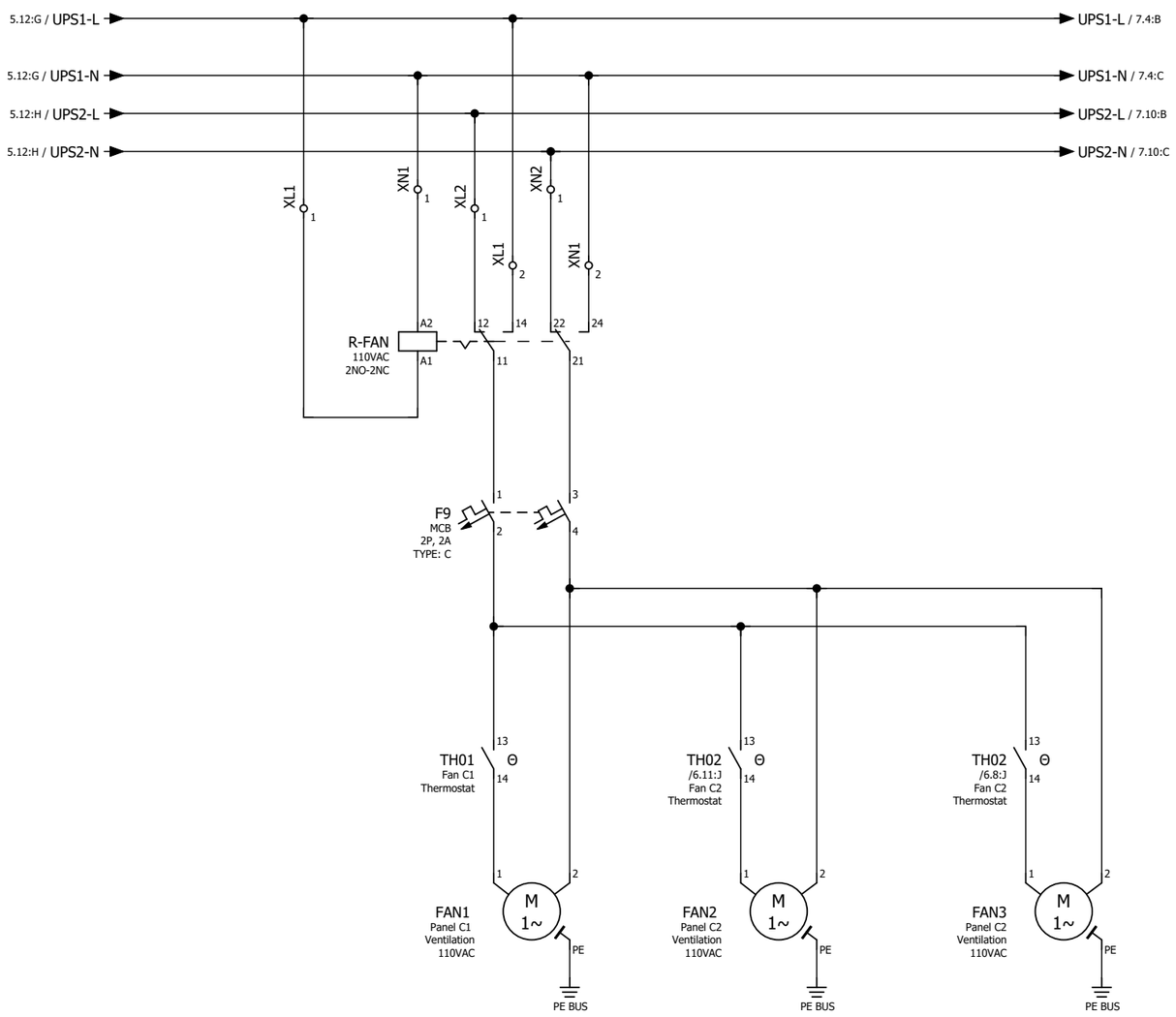
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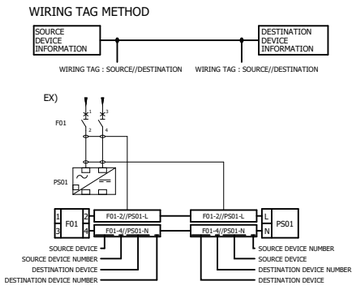
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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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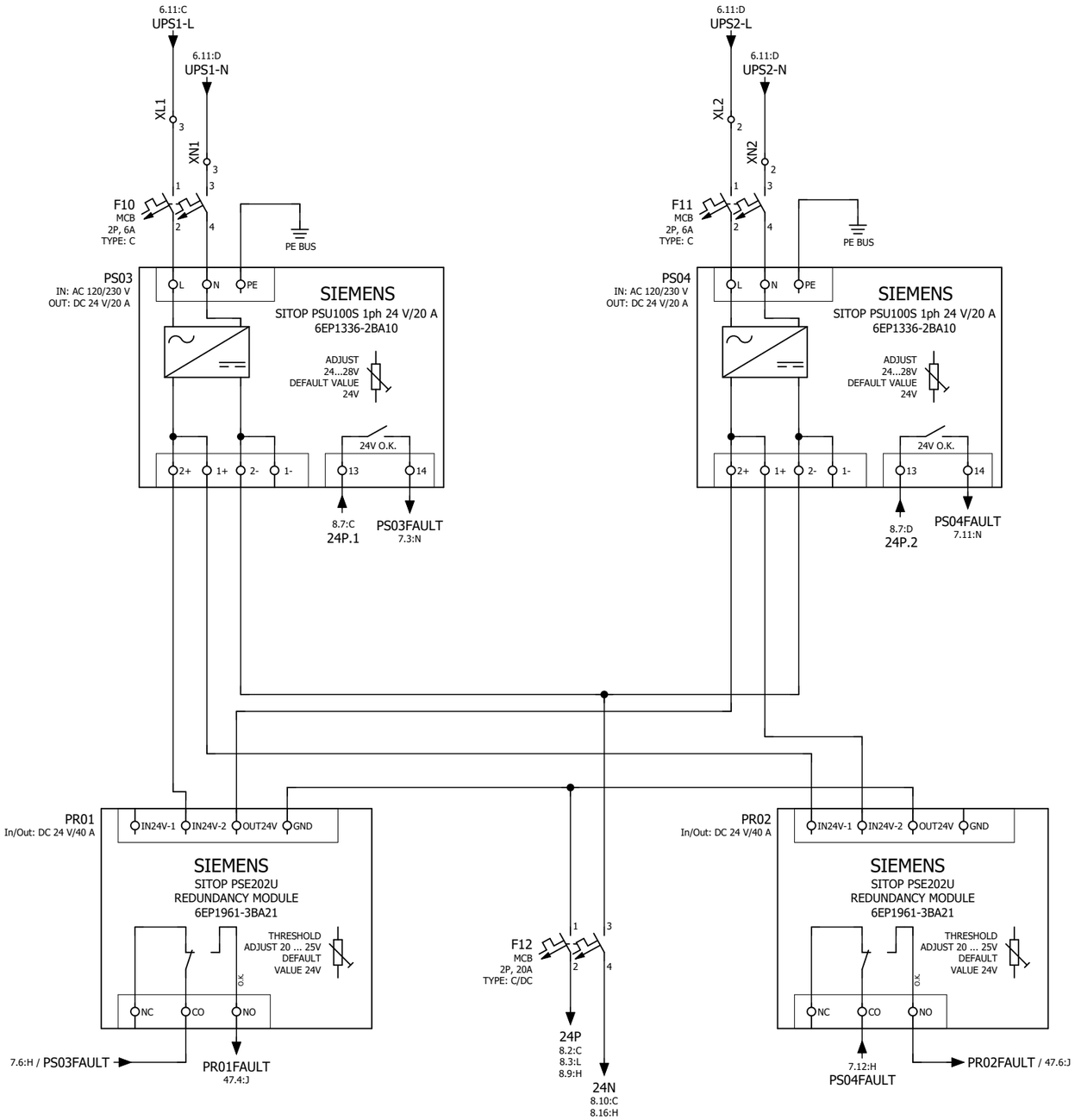
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	164 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



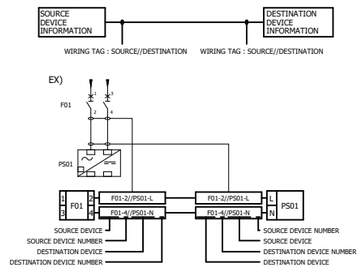
GENERAL NOTES

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V02					
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	*******

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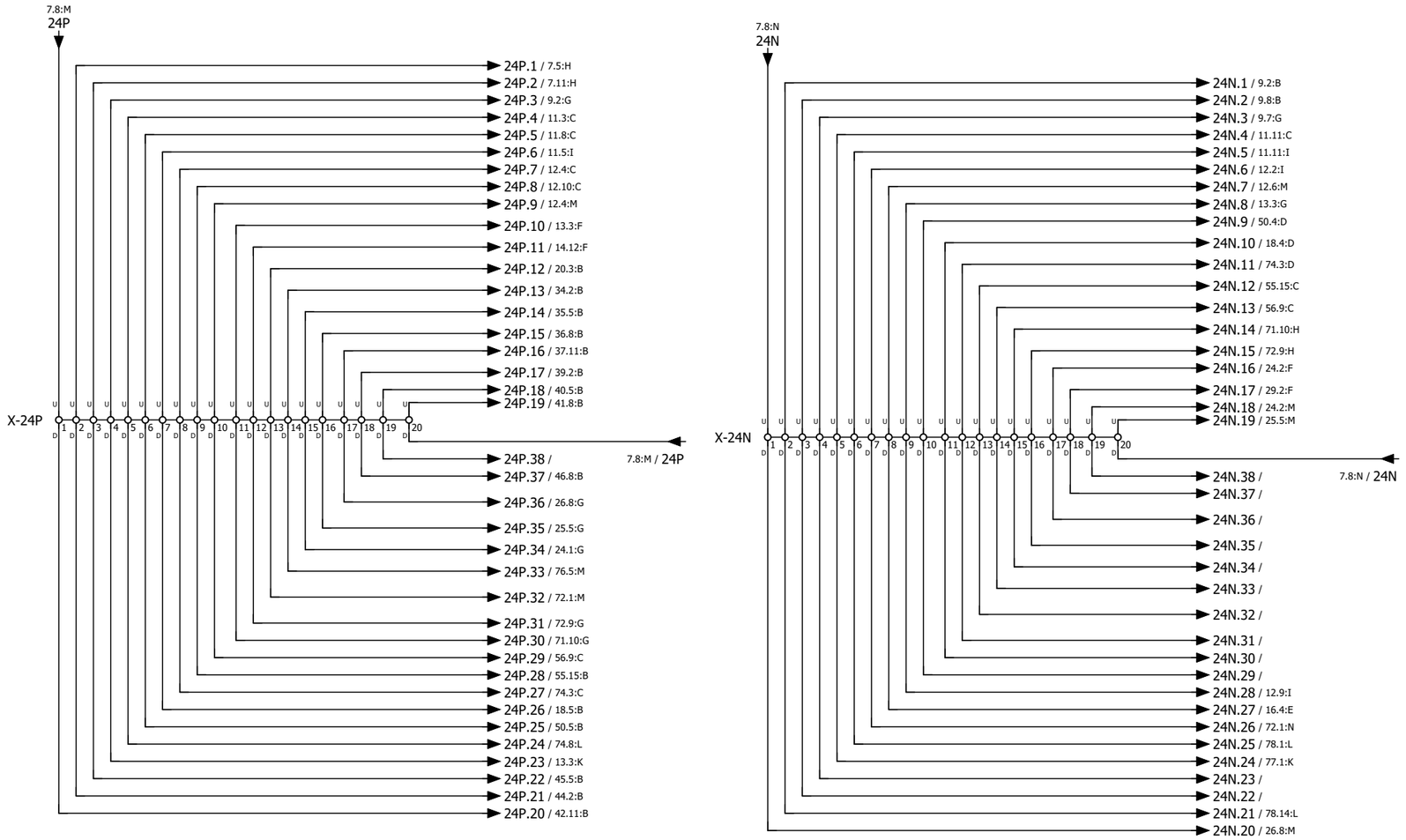
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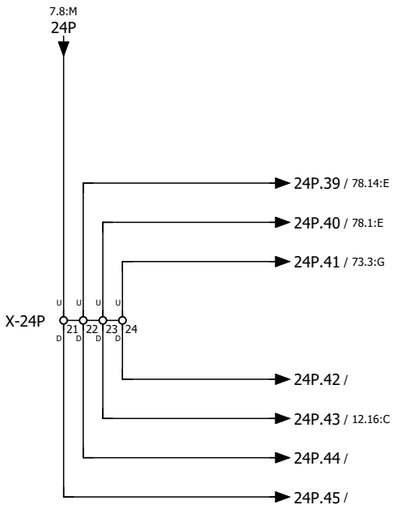
DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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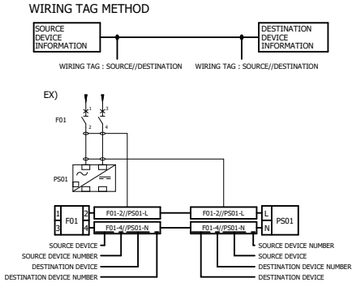
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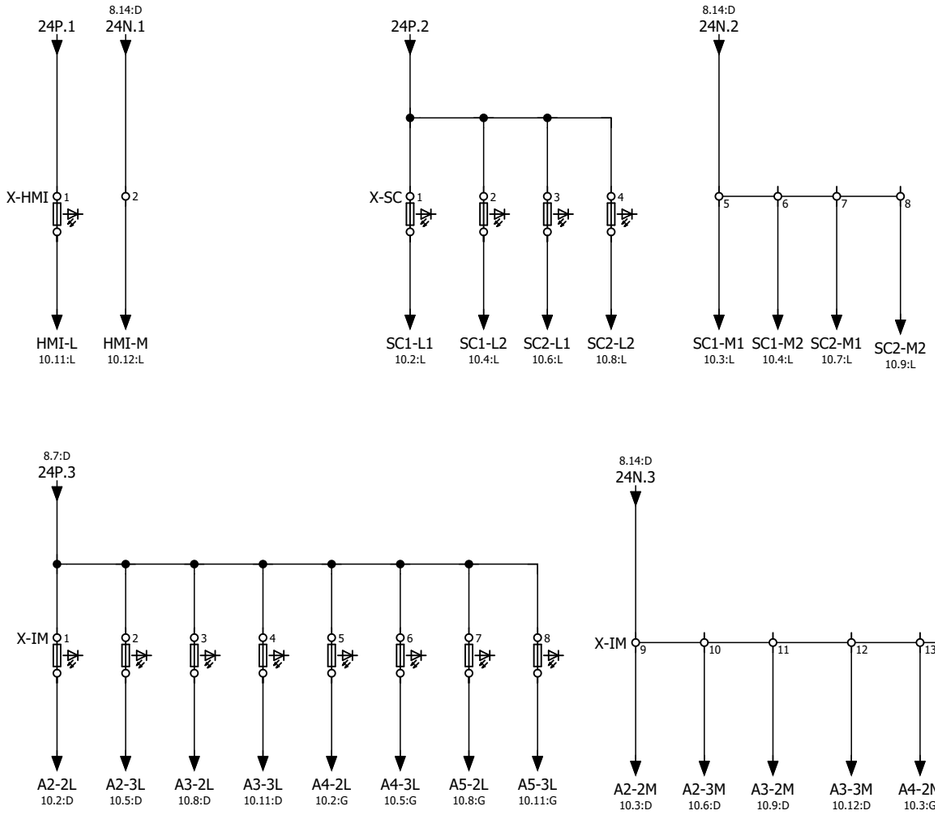
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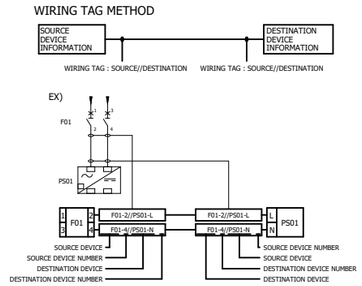
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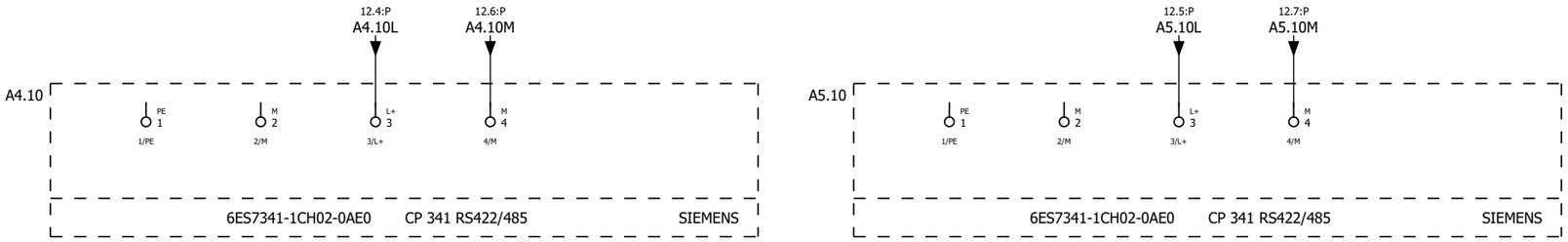
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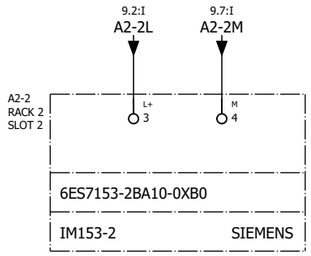
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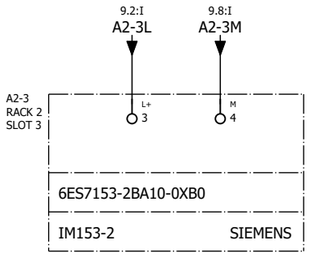
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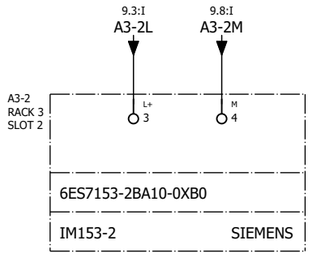
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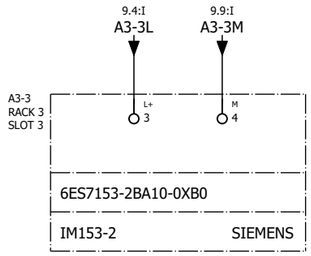
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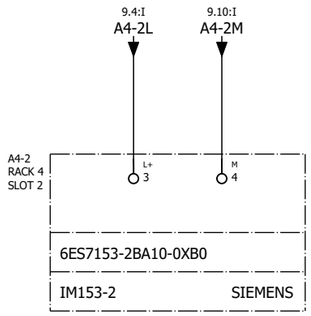


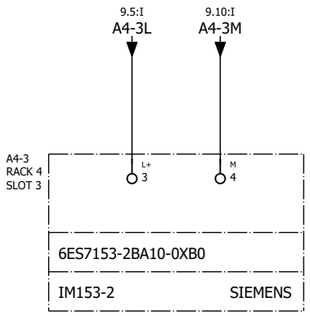


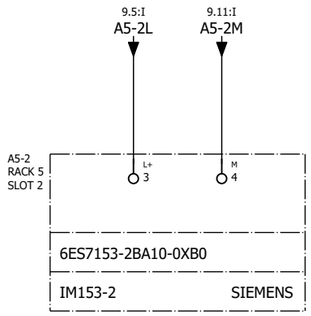


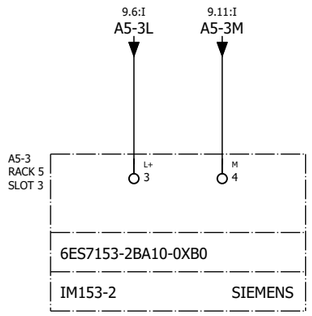


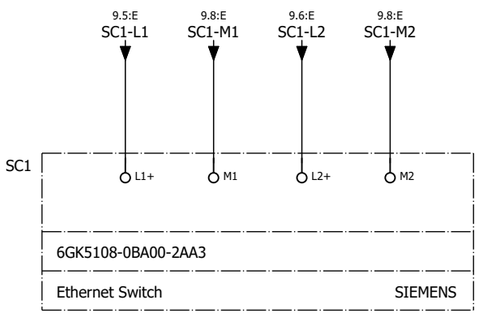


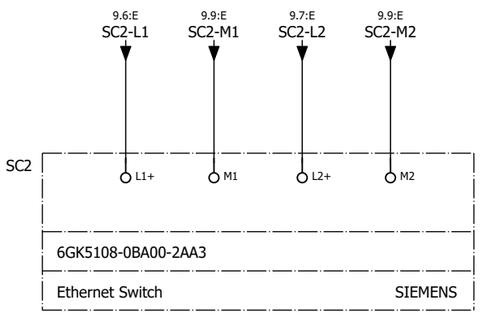


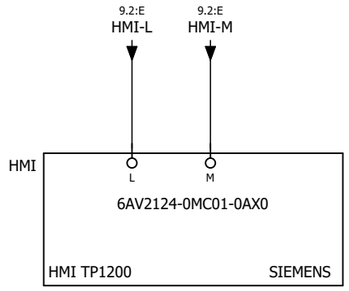












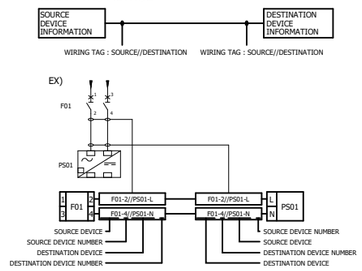
GENERAL NOTES

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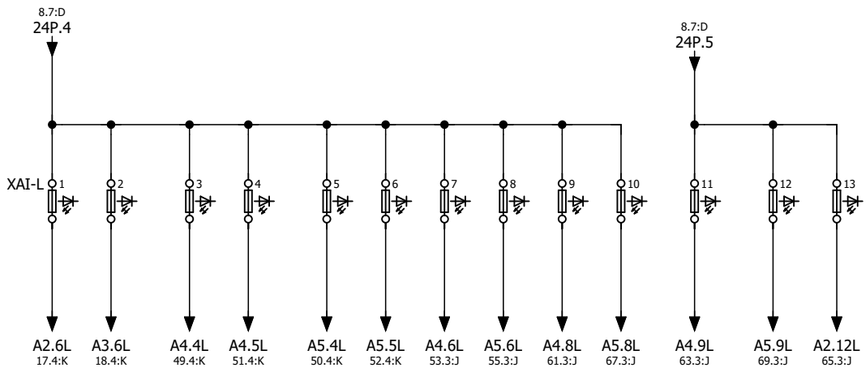
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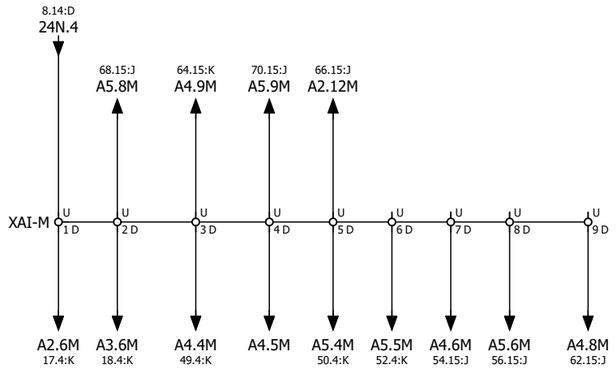
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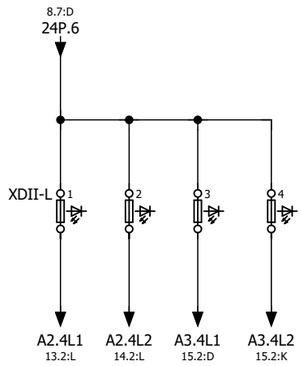
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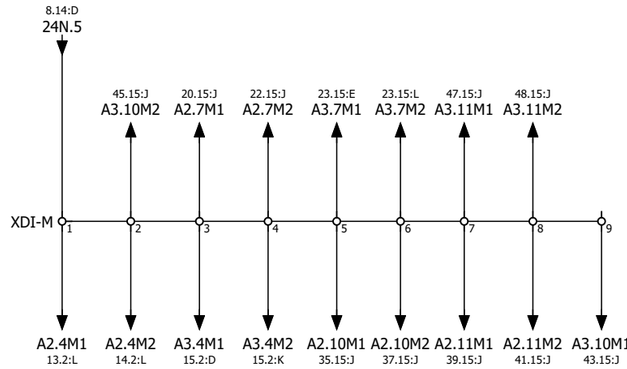
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION









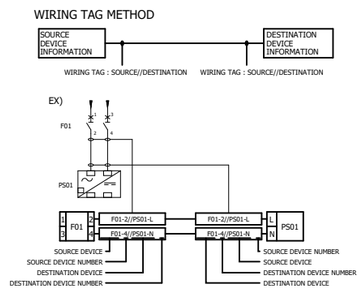
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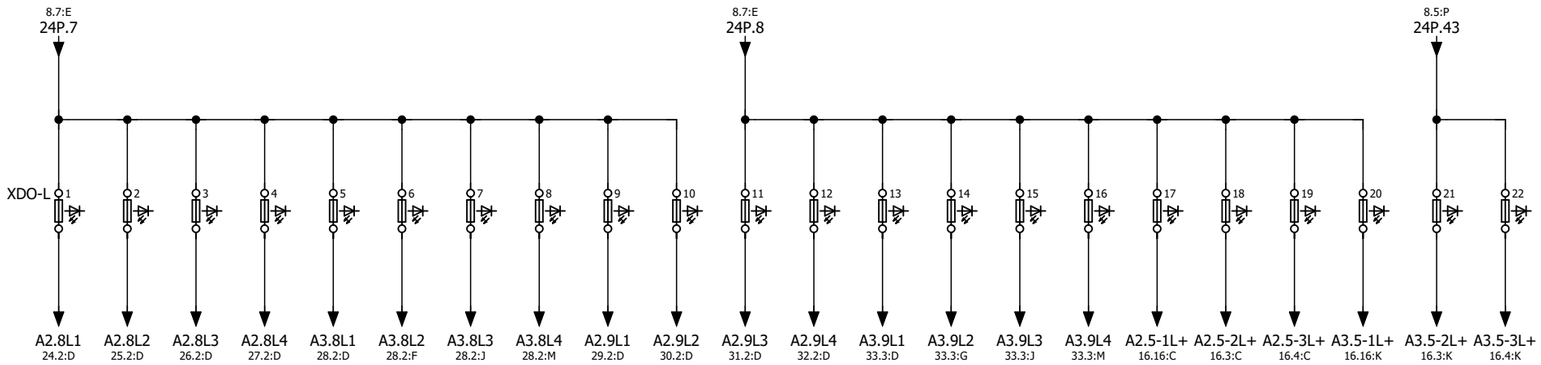
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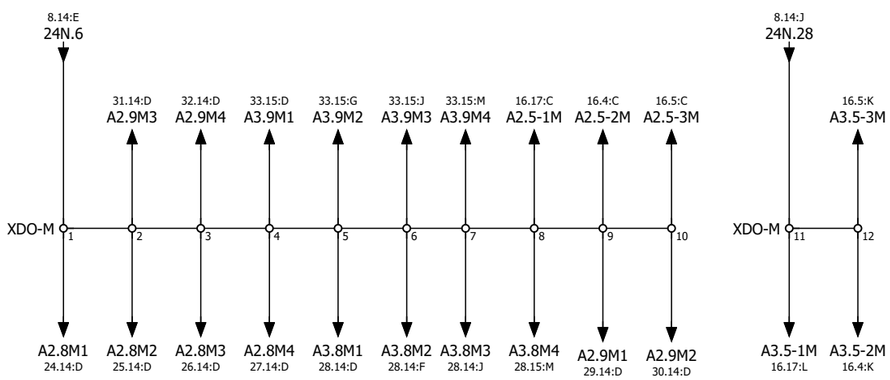
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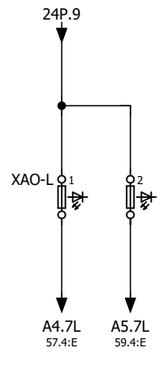
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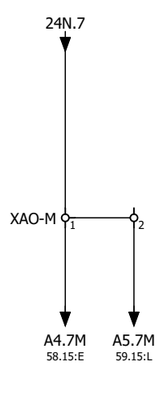
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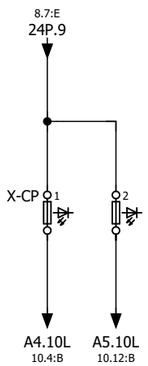
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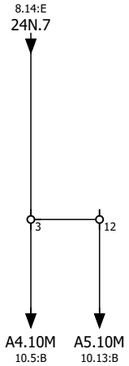












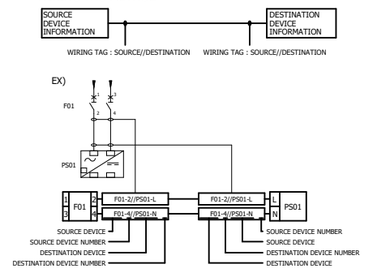
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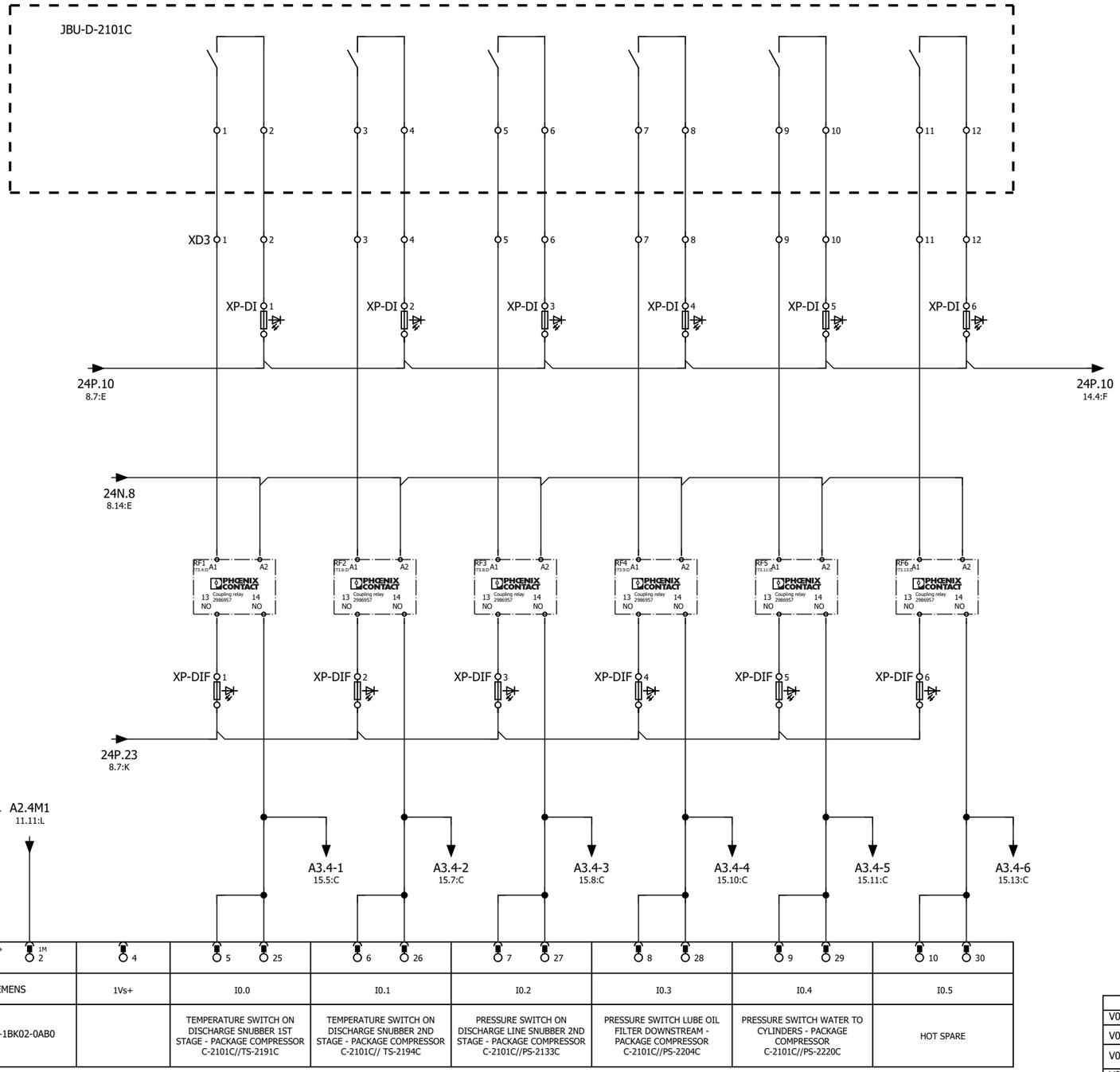
HAVAYAR

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	170 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



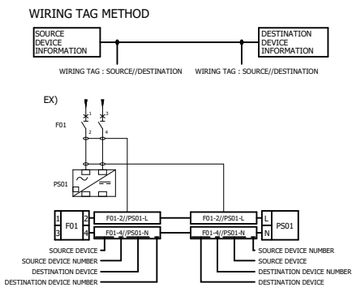
A2.4 /14.1:M /15.1:L							
X1 1L+ 1 1M 2	4	5 25	6 26	7 27	8 28	9 29	10 30
SIEMENS	1Vs+	I0.0	I0.1	I0.2	I0.3	I0.4	I0.5
6ES7326-1BK02-0AB0		TEMPERATURE SWITCH ON DISCHARGE SNUBBER 1ST STAGE - PACKAGE COMPRESSOR C-2101C//TS-2191C	TEMPERATURE SWITCH ON DISCHARGE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101C// TS-2194C	PRESSURE SWITCH ON DISCHARGE LINE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101C//PS-2133C	PRESSURE SWITCH LUBE OIL FILTER DOWNSTREAM - PACKAGE COMPRESSOR C-2101C//PS-2204C	PRESSURE SWITCH WATER TO CYLINDERS - PACKAGE COMPRESSOR C-2101C//PS-2220C	HOT SPARE

GENERAL NOTES

LEGEND

KEY PLAN

WIRING TAG METHOD



REFERENCE DRAWING	DRG. NO.

Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V00	*******	*******	*******	*******	*******
V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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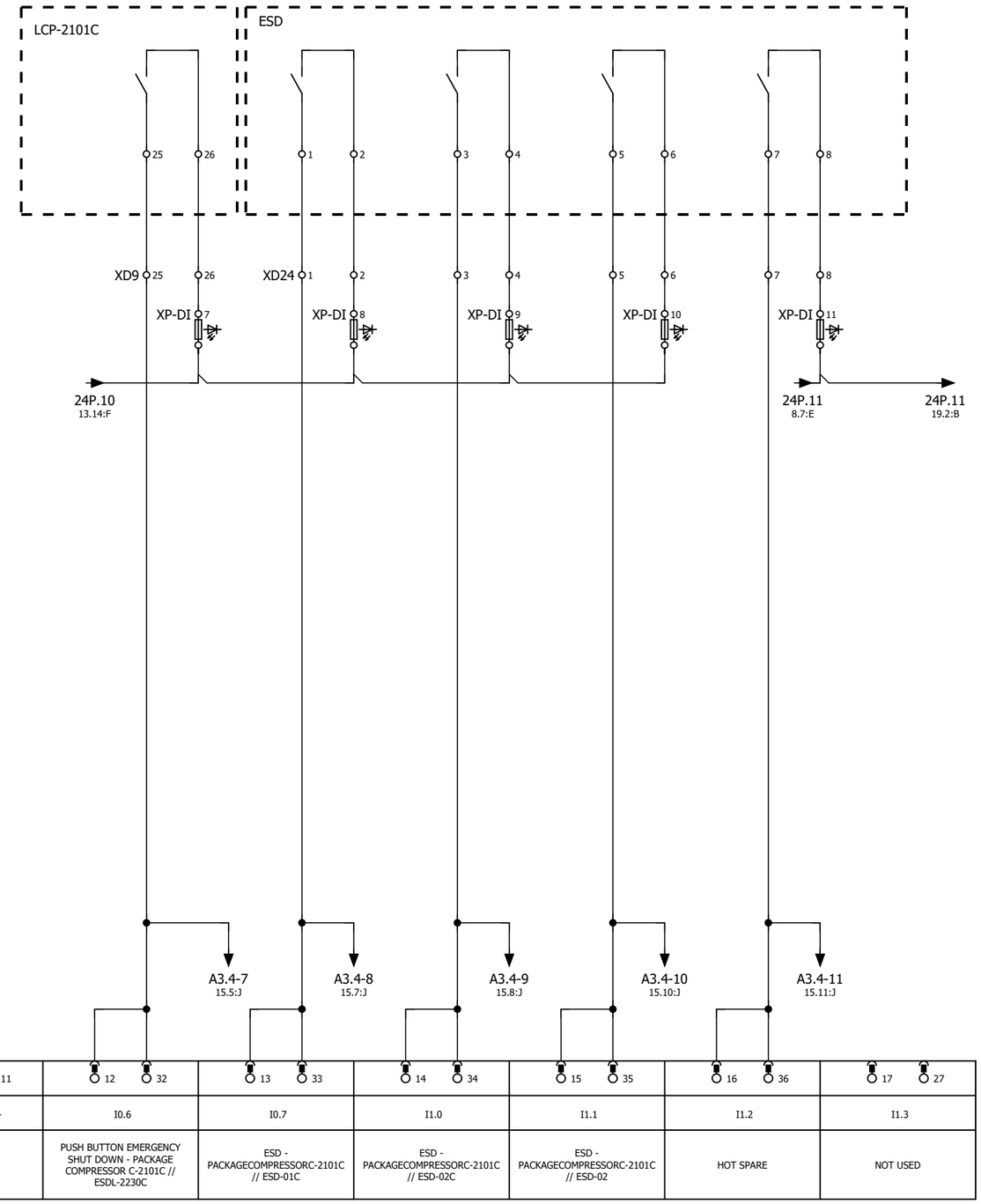
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

HAVAYAR

KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	171 OF 335	00



A2.4
/13.1:M
/15.1:L

X1 2L+ 21 / 2M 22	11	12 / 32	13 / 33	14 / 34	15 / 35	16 / 36	17 / 27
SIEMENS	2Vs+	I0.6	I0.7	I1.0	I1.1	I1.2	I1.3
6ES7326-1BK02-0AB0		PUSH BUTTON EMERGENCY SHUT DOWN - PACKAGE COMPRESSOR C-2101C // ESDL-2230C	ESD - PACKAGECOMPRESSORC-2101C // ESD-01C	ESD - PACKAGECOMPRESSORC-2101C // ESD-02C	ESD - PACKAGECOMPRESSORC-2101C // ESD-02	HOT SPARE	NOT USED

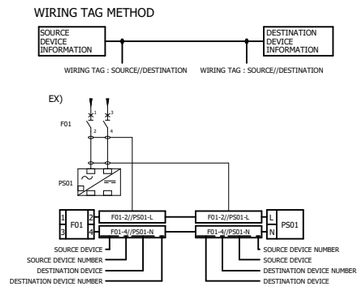
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
V00	*******	*******	*******	*******	*******

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

HAVAYAR

KwangShin Reputable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	172 OF 335	00

اصل و کلیه نسخه این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

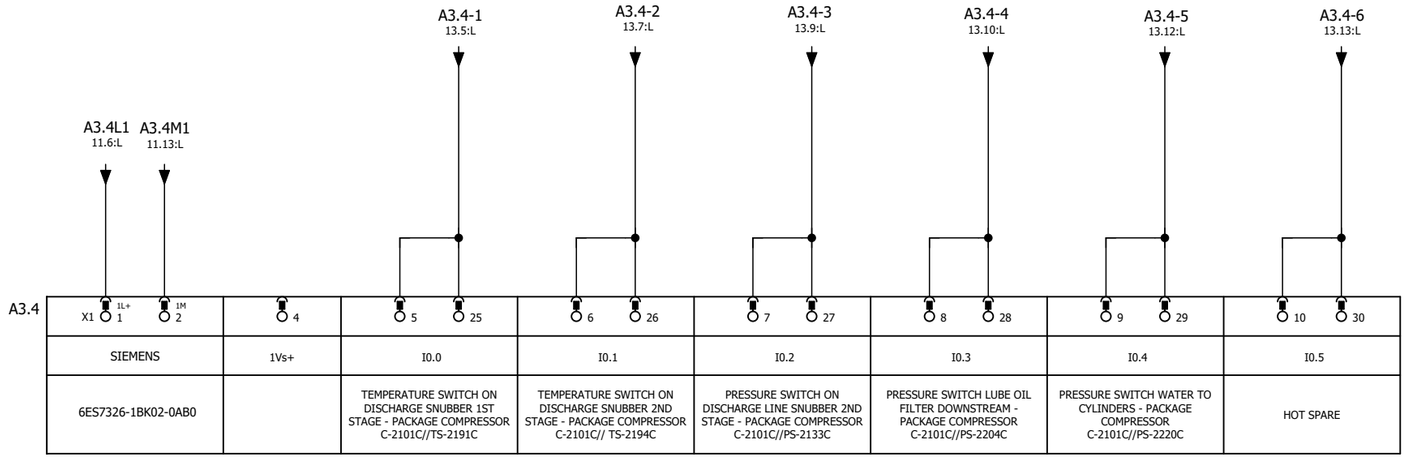
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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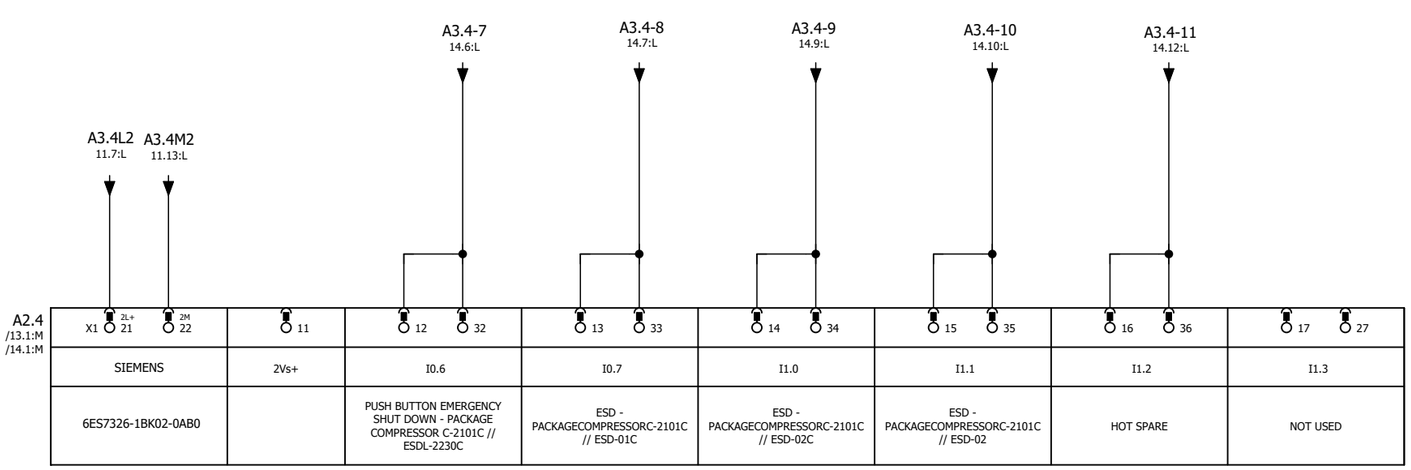
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APPROVED FOR CONSTRUCTION	BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	1Vs+	I0.0	I0.1	I0.2	I0.3	I0.4	I0.5
6ES7326-1BK02-0AB0		TEMPERATURE SWITCH ON DISCHARGE SNUBBER 1ST STAGE - PACKAGE COMPRESSOR C-2101C//TS-2191C	TEMPERATURE SWITCH ON DISCHARGE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101C// TS-2194C	PRESSURE SWITCH ON DISCHARGE LINE SNUBBER 2ND STAGE - PACKAGE COMPRESSOR C-2101C//PS-2133C	PRESSURE SWITCH LUBE OIL FILTER DOWNSTREAM - PACKAGE COMPRESSOR C-2101C//PS-2204C	PRESSURE SWITCH WATER TO CYLINDERS - PACKAGE COMPRESSOR C-2101C//PS-2220C	HOT SPARE



SIEMENS	2Vs+	I0.6	I0.7	I1.0	I1.1	I1.2	I1.3
6ES7326-1BK02-0AB0		PUSH BUTTON EMERGENCY SHUT DOWN - PACKAGE COMPRESSOR C-2101C // ESDL-2230C	ESD - PACKAGECOMPRESSORC-2101C // ESD-01C	ESD - PACKAGECOMPRESSORC-2101C // ESD-02C	ESD - PACKAGECOMPRESSORC-2101C // ESD-02	HOT SPARE	NOT USED

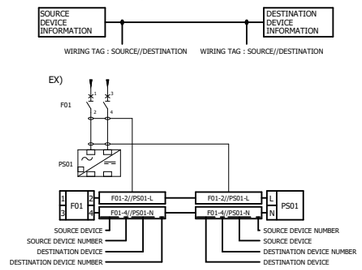
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	173 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A2.5

6ES7326-2BF10-0AB0	ESD - PACKAGECOMPRESSOR C-2101C // USD-05C	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
SIEMENS	Q8.0	Q8.1	Q8.2	Q8.3	Q8.4	Q8.5	Q8.6	Q8.7	Q9.0	Q9.1	
2L+ 17 / 3L+ 37 / 2M 19 / 3M 39	3	6	9	12	15	23	26	29	32	35	1L+ 21 / 1M 22

12.14:F A2.5-2L+ / 12.15:F A2.5-3L+ / 12.7:I A2.5-2M / 12.8:I A2.5-3M

-A3-5:3 16.6:L

-A3-5:6 16.7:L

12.14:F A2.5-1L+

12.7:I A2.5-1M

RF7/A1 / 78.18:G

24N.27 / 8.14:J

RF7 73.4:3 A1 A2 — PHOENIX CONTACT Coupling relay 2986957 — 13 NO 14 NO

RF8 73.6:3 A1 A2 — PHOENIX CONTACT Coupling relay 2986957 — 13 NO 14 NO

XD24 9 10 11 12

ESD

9 10 11 12

A3.5

6ES7326-2BF10-0AB0	ESD - PACKAGECOMPRESSOR C-2101C // USD-05C	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
SIEMENS	Q8.0	Q8.1	Q8.2	Q8.3	Q8.4	Q8.5	Q8.6	Q8.7	Q9.0	Q9.1	
2L+ 17 / 3L+ 37 / 2M 19 / 3M 39	3	6	9	12	15	23	26	29	32	35	1L+ 21 / 1M 22

12.16:F A3.5-2L+ / 12.17:F A3.5-3L+ / 12.10:K A3.5-2M / 12.10:I A3.5-3M

16.6:C -A3-5:3

16.7:C -A3-5:6

12.16:F A3.5-1L+

12.9:K A3.5-1M

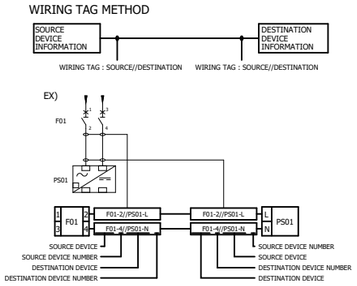
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
V00	*******	*******	*******	*******	*******
		CHECKED		REV. APPR.	

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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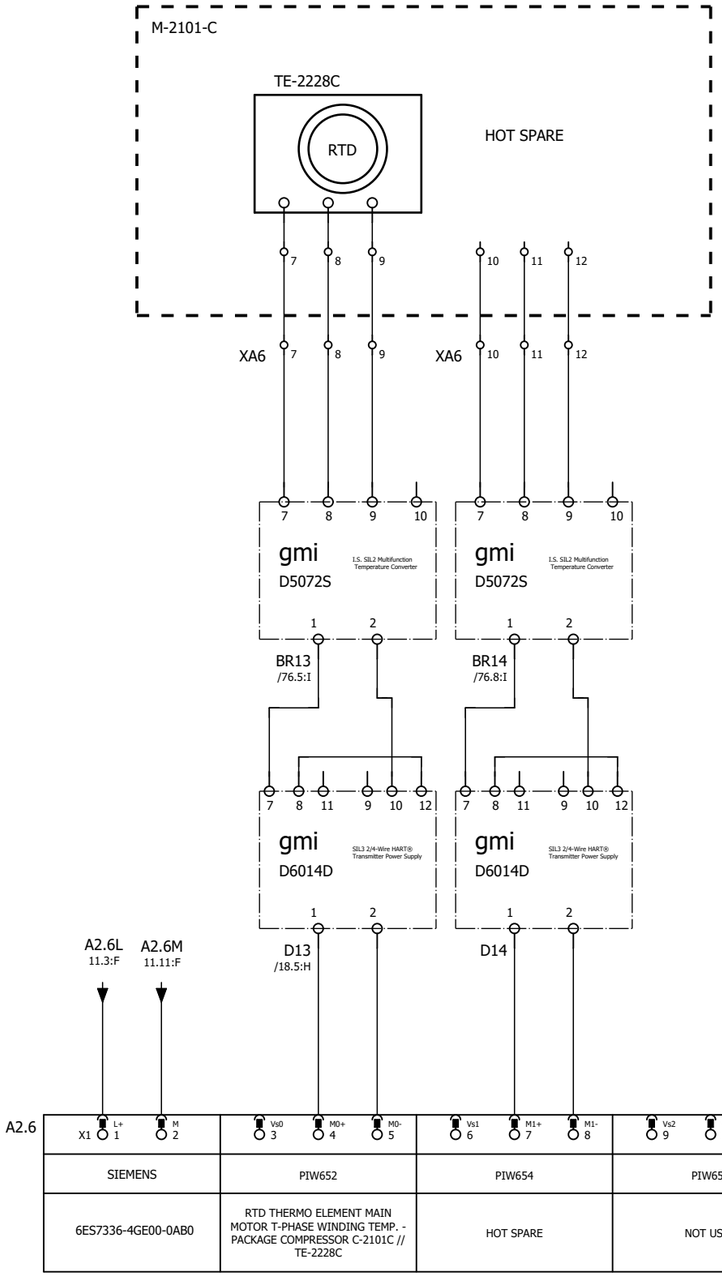
HAVAYAR

KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	174 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.6							
	X1 L+ 1 M 2	Vs0 3 M0+ 4 M0- 5	Vs1 6 M1+ 7 M1- 8	Vs2 9 M2+ 10 M2- 11	Vs3 12 M3+ 13 M3- 14	Vs4 15 M4+ 16 M4- 17	Vs5 18 M5+ 19 M5- 20
SIEMENS		PIW652	PIW654	PIW656	PIW658	PIW660	PIW662
6ES7336-4GE00-0AB0		RTD THERMO ELEMENT MAIN MOTOR T-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101C // TE-2228C	HOT SPARE	NOT USED	NOT USED	NOT USED	NOT USED

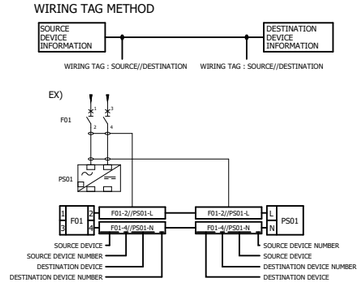
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
V03					
V02					
V01					
V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	*******

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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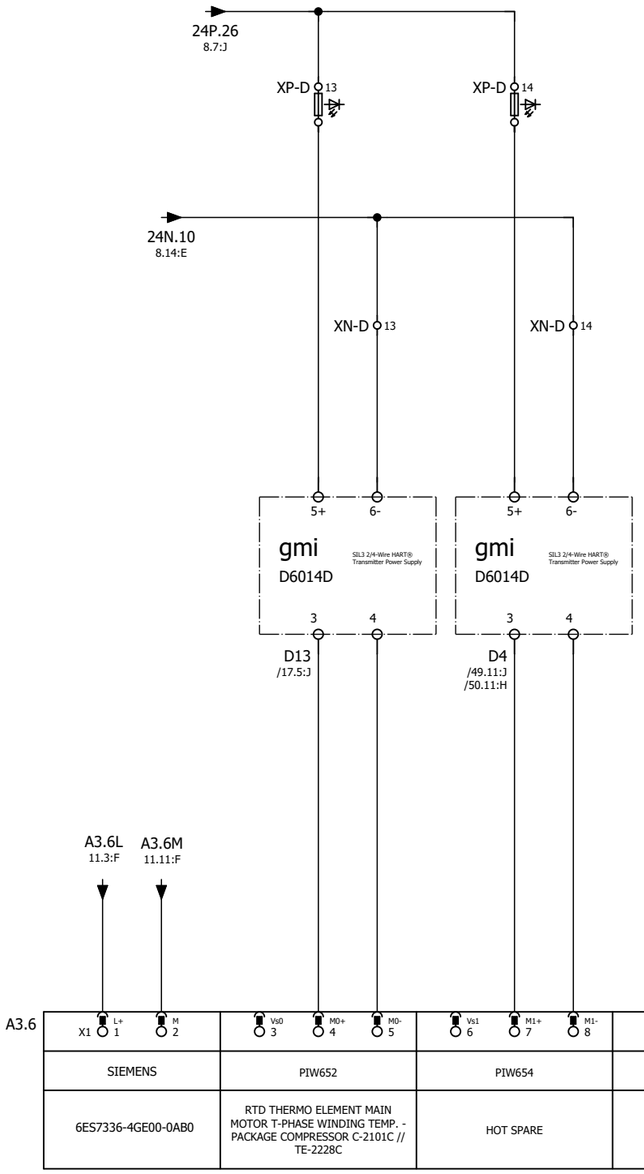
HAVAYAR

KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	175 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A3.6

X1 1 L+	2 M	3 Vs0	4 M0+	5 M0-	6 Vs1	7 M1+	8 M1-	9 Vs2	10 M2+	11 M2-	12 Vs3	13 M3+	14 M3-	15 Vs4	16 M4+	17 M4-	18 Vs5	19 M5+	20 M5-
SIEMENS		PIW652			PIW654			PIW656			PIW658			PIW660			PIW662		
6ES7336-4GE00-0AB0		RTD THERMO ELEMENT MAIN MOTOR T-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101C // TE-2228C			HOT SPARE			NOT USED			NOT USED			NOT USED			NOT USED		

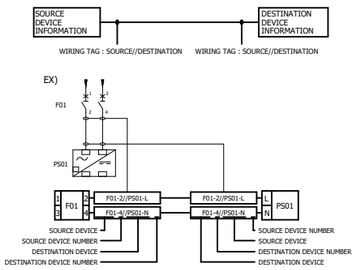
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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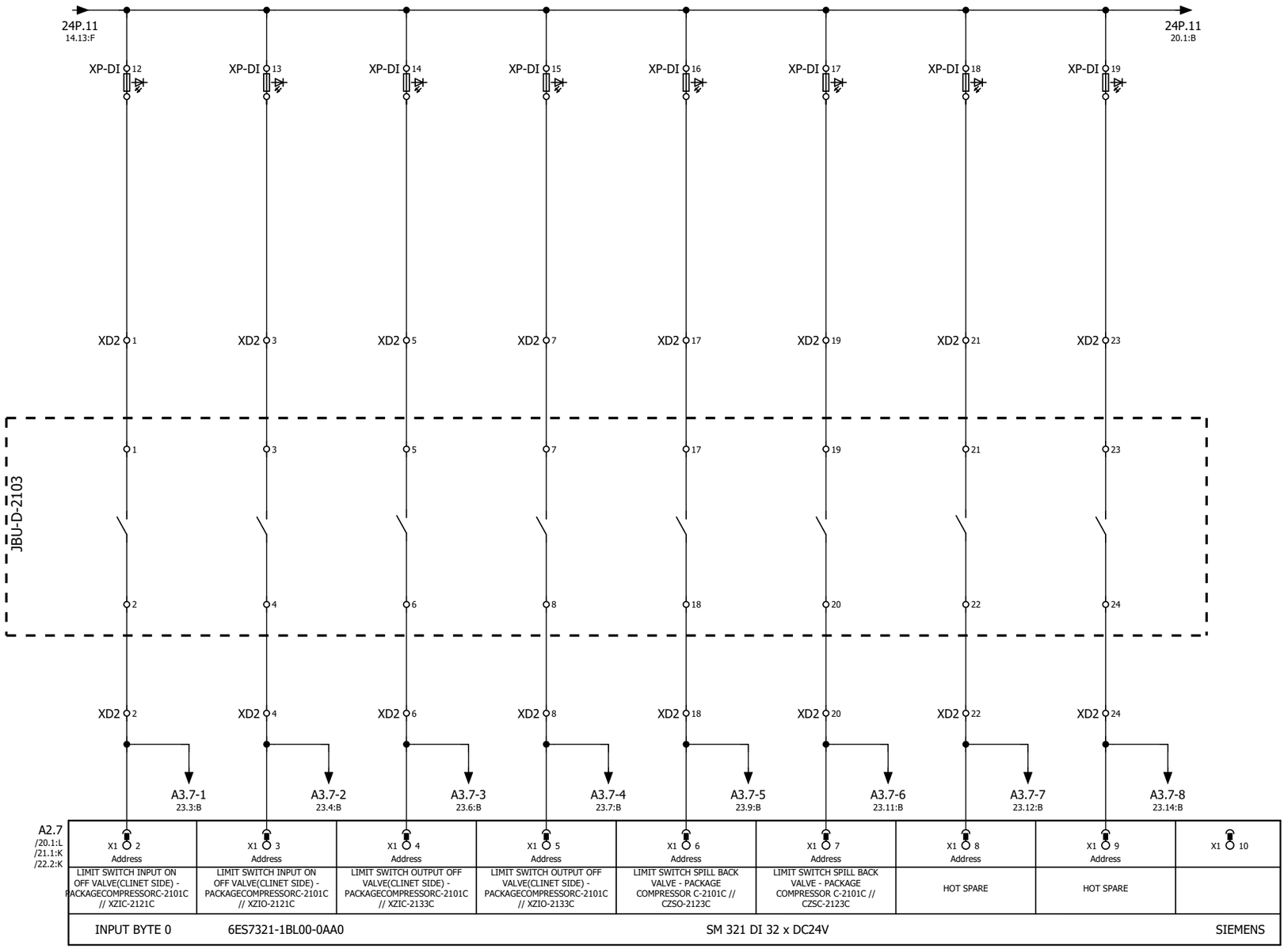
HAVAYAR

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	176 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.7
/20.1:L
/21.1:K
/22.2:K

X1 2	X1 3	X1 4	X1 5	X1 6	X1 7	X1 8	X1 9	X1 10
Address	Address	Address	Address	Address	Address	Address	Address	
LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // XZIC-2121C	LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // XZIO-2121C	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // XZIC-2133C	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // XZIO-2133C	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101C // CZSO-2123C	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101C // CZSC-2123C	HOT SPARE	HOT SPARE	

INPUT BYTE 0 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

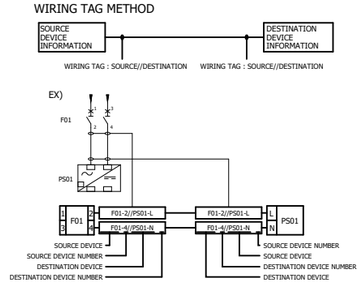
GENERAL NOTES

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V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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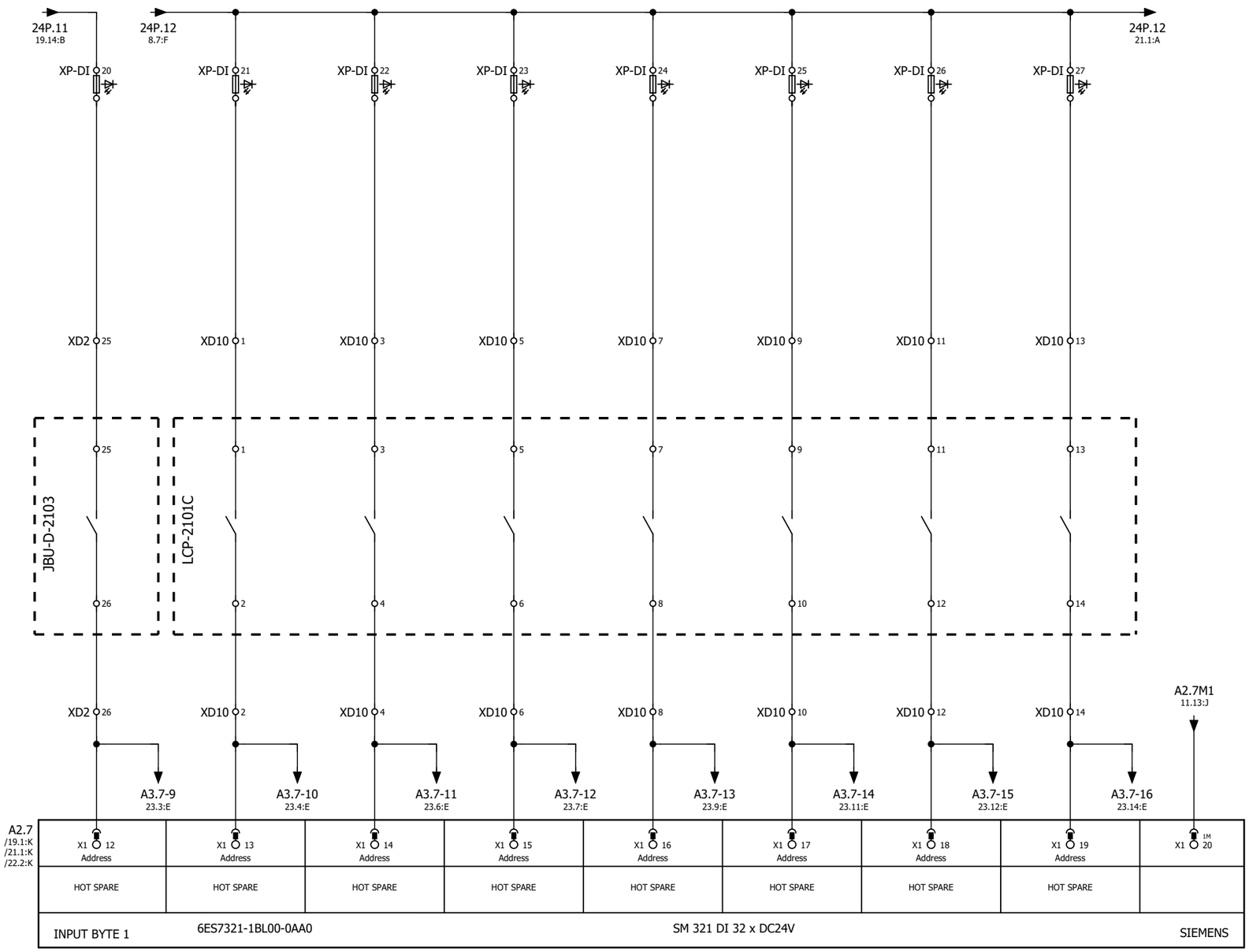
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	177 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



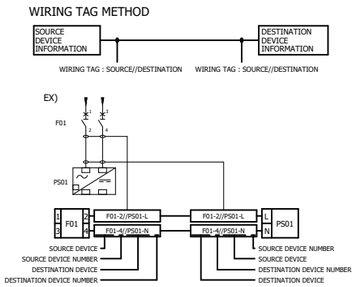
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

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WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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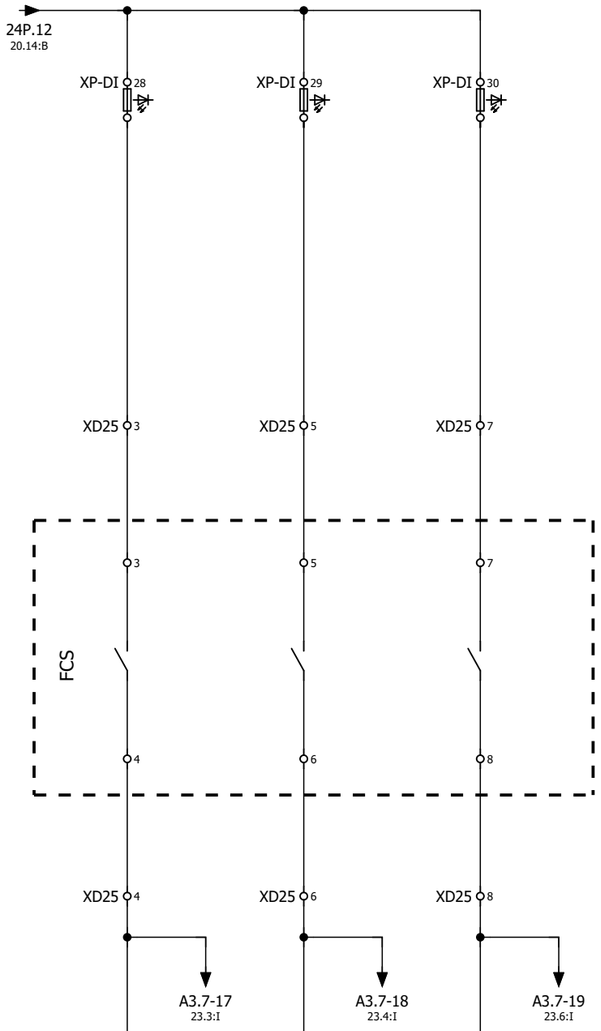
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SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	178 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.7 /19.1:K /20.1:L /22.2:K	X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30 Address
	Permission to start - PACKAGECOMPRESSORC-2101C // HSS-2125C	Command Start - PACKAGECOMPRESSORC-2101C // HSS-2123C	Command Stop - PACKAGECOMPRESSORC-2101C // HSP-2123C	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 2	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

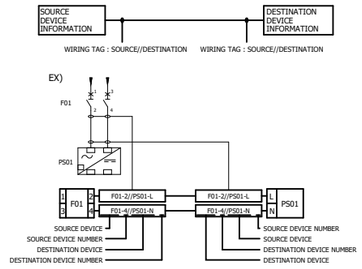
GENERAL NOTES

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.
V00	*******	*******	*******	*******	*******
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	179 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A2.7M2
11.13:J

A2.7
/19.1:K
/20.1:L
/21.1:K

X1 32 Address	X1 33 Address	X1 34 Address	X1 35 Address	X1 36 Address	X1 37 Address	X1 38 Address	X1 39 Address	X1 2M 40 Address
NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 3	6ES7321-1BL00-0AA0			SM 321 DI 32 x DC24V				SIEMENS

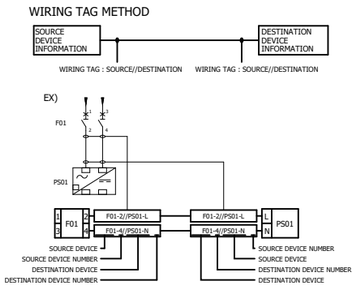
GENERAL NOTES

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GAS COMPRESSOR STATION

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KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	180 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

	A3.7-1	A3.7-2	A3.7-3	A3.7-4	A3.7-5	A3.7-6	A3.7-7	A3.7-8	
	19.3:K	19.4:K	19.6:K	19.8:K	19.9:K	19.11:K	19.12:K	19.14:K	
A3.7 /23.2:F /23.2:I /23.2:L	X1 2 Address	X1 3 Address	X1 4 Address	X1 5 Address	X1 6 Address	X1 7 Address	X1 8 Address	X1 9 Address	X1 10
	LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // XZIC-2121C	LIMIT SWITCH INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // XZIO-2121C	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // XZIC-2133C	LIMIT SWITCH OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // XZIO-2133C	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101C // CZSO-2123C	LIMIT SWITCH SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101C // CZSC-2123C	HOT SPARE	HOT SPARE	
INPUT BYTE 0	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

	A3.7-9	A3.7-10	A3.7-11	A3.7-12	A3.7-13	A3.7-14	A3.7-15	A3.7-16	A3.7M1
	20.3:K	20.4:K	20.6:K	20.7:K	20.9:K	20.11:K	20.12:K	20.14:K	11.14:J
A3.7 /23.2:C /23.2:I /23.2:L	X1 12 Address	X1 13 Address	X1 14 Address	X1 15 Address	X1 16 Address	X1 17 Address	X1 18 Address	X1 19 Address	X1 1M 20
	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	HOT SPARE	
INPUT BYTE 1	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

	A3.7-17	A3.7-18	A3.7-19						
	21.3:K	21.4:K	21.6:K						
A3.7 /23.2:C /23.2:F /23.2:L	X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30
	Permission to start - PACKAGECOMPRESSORC-2101C // HSS-2125C	Command Start - PACKAGECOMPRESSORC-2101C // HSS-2123C	Command Stop - PACKAGECOMPRESSORC-2101C// HSP-2123C	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 2	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

A3.7M2
11.14:J

A3.7 /23.2:C /23.2:F /23.2:I	X1 32 Address	X1 33 Address	X1 34 Address	X1 35 Address	X1 36 Address	X1 37 Address	X1 38 Address	X1 39 Address	X1 2M 40
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
INPUT BYTE 3	6ES7321-1BL00-0AA0				SM 321 DI 32 x DC24V				SIEMENS

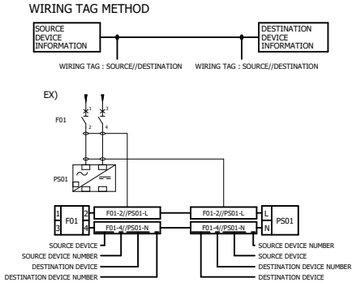
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.

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SURFACE FACILITIES

GAS COMPRESSOR STATION

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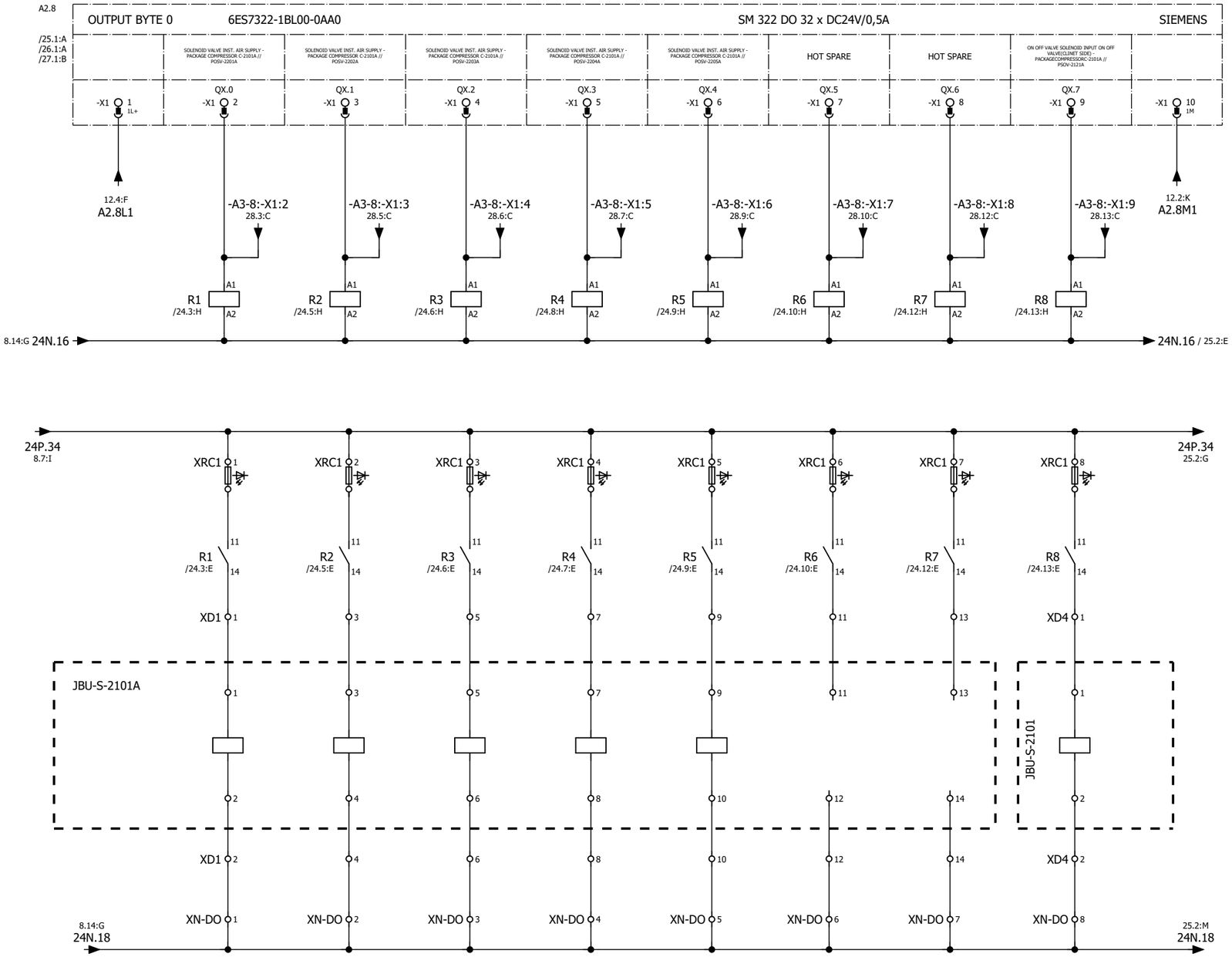
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	181 OF 335	00



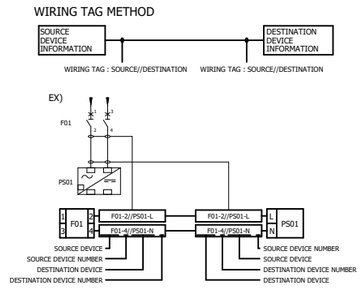
GENERAL NOTES

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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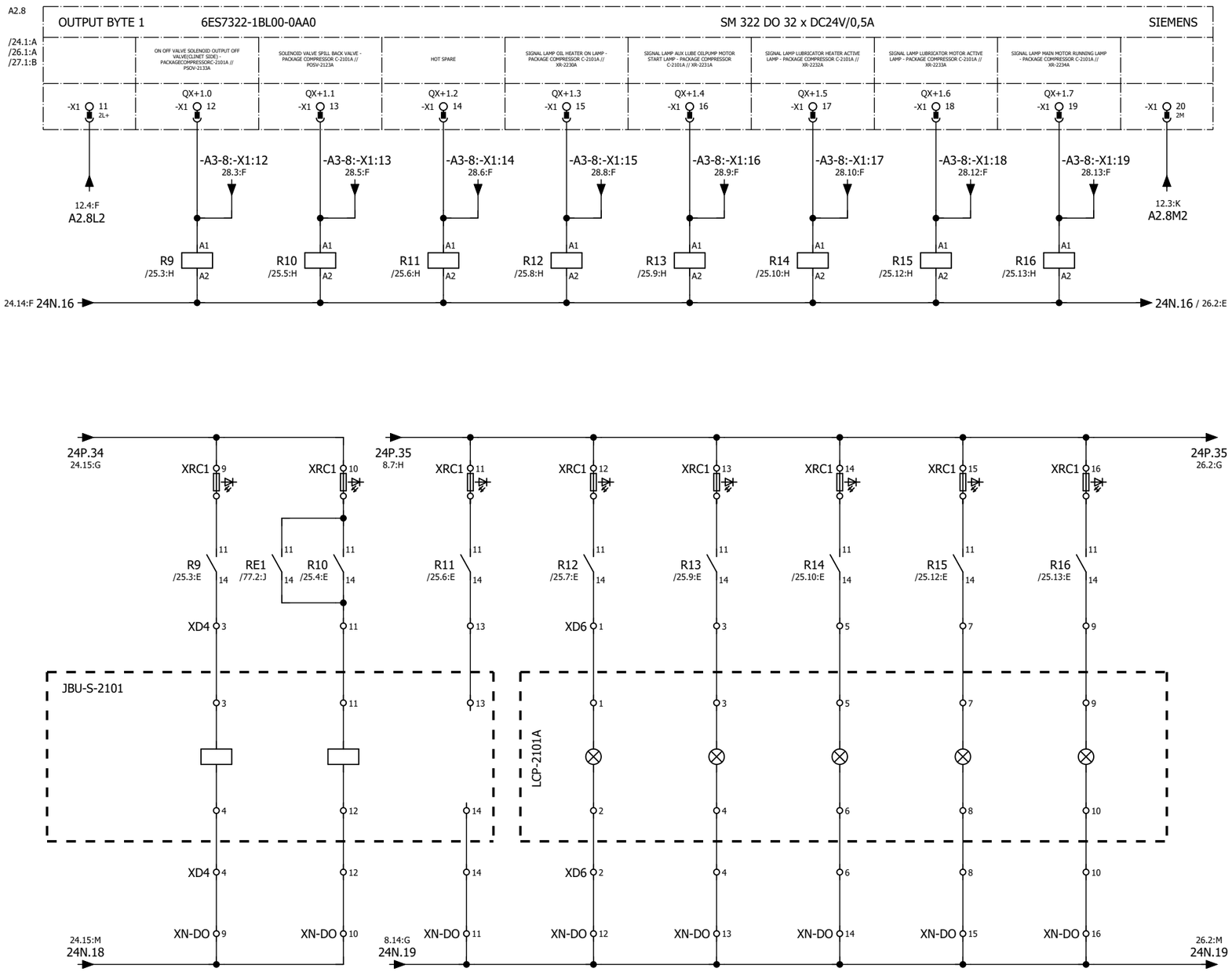
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PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	182 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



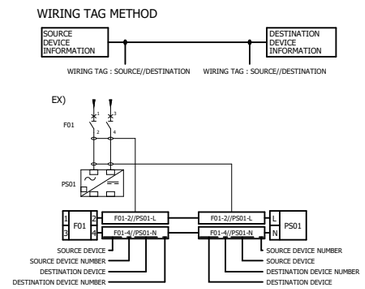
GENERAL NOTES

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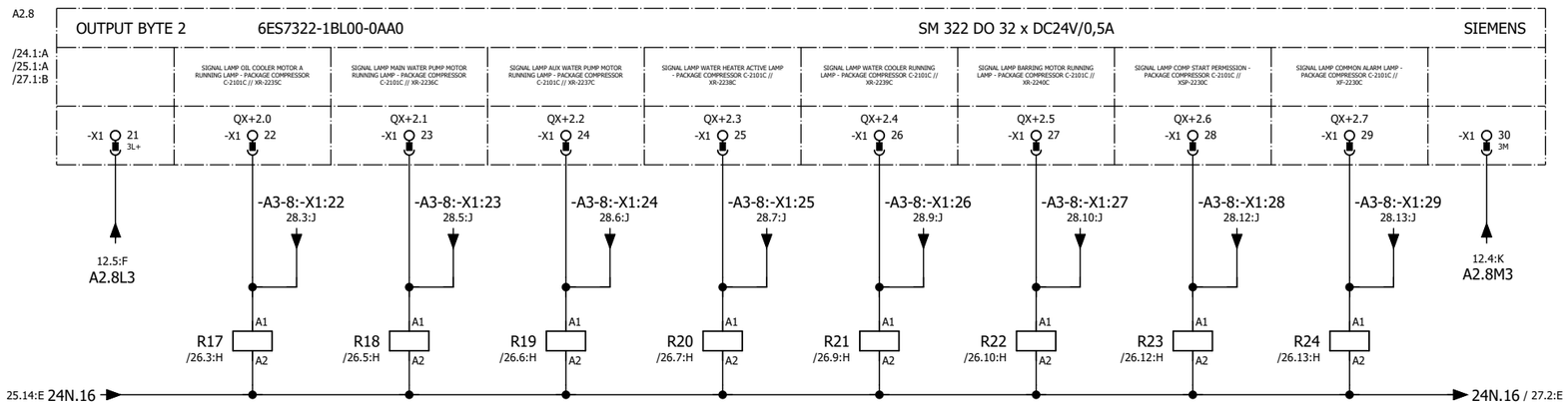
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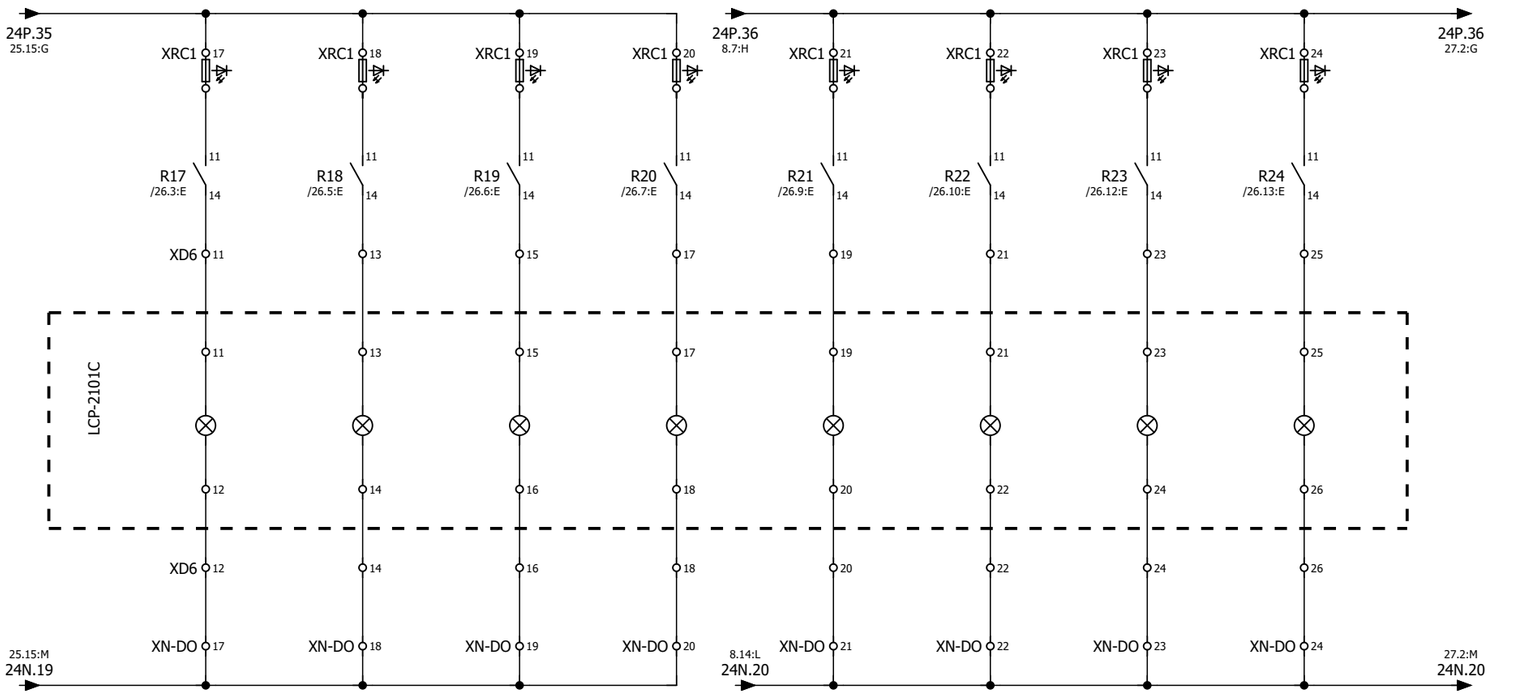
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	183 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





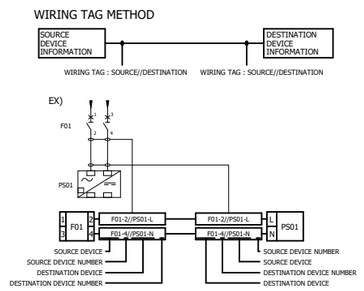
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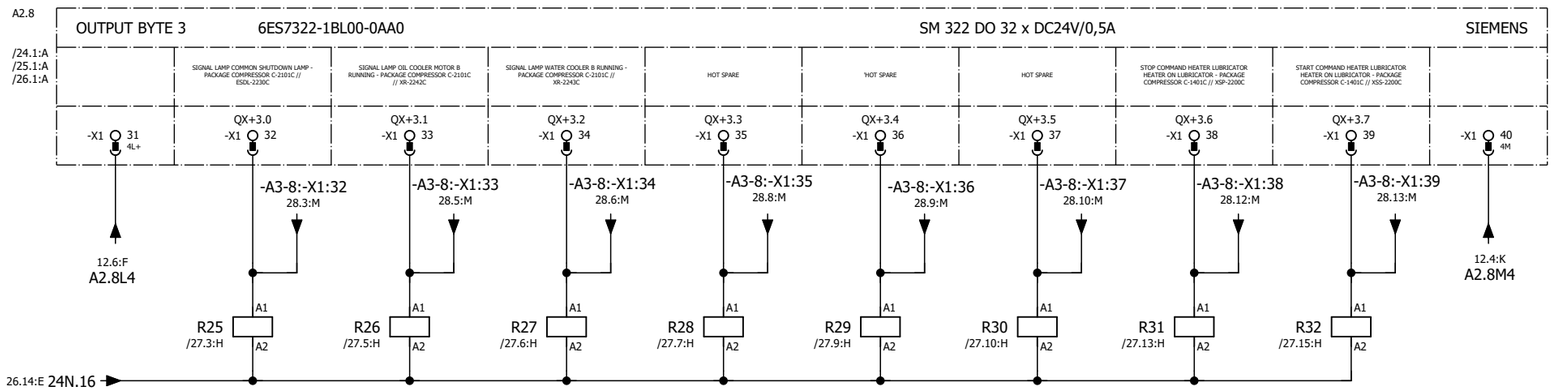
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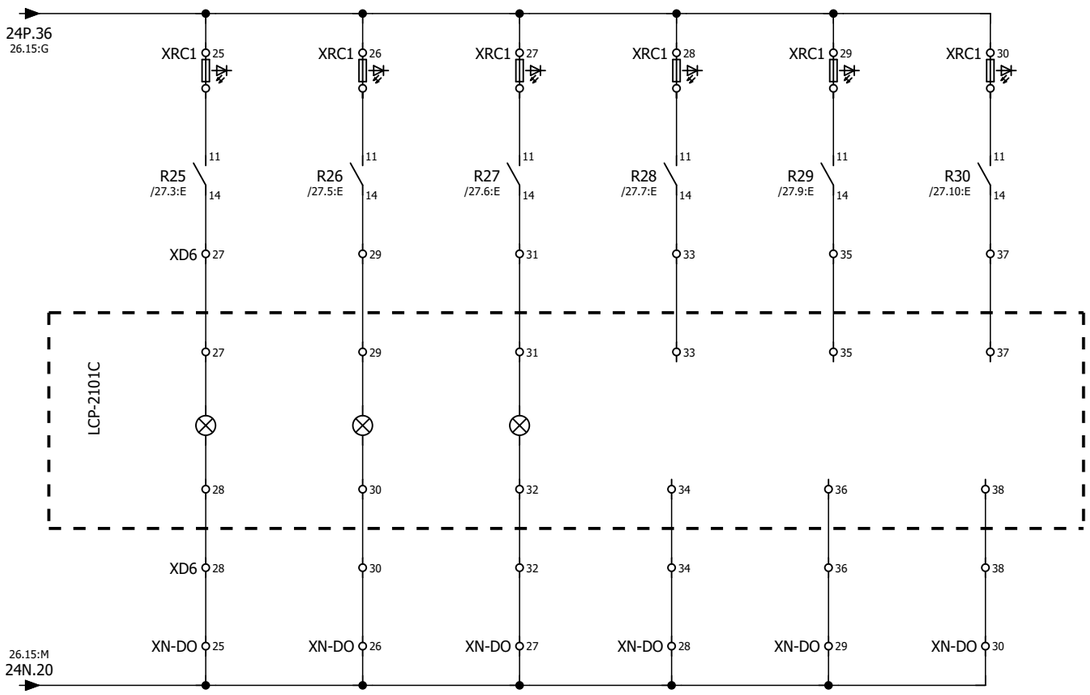
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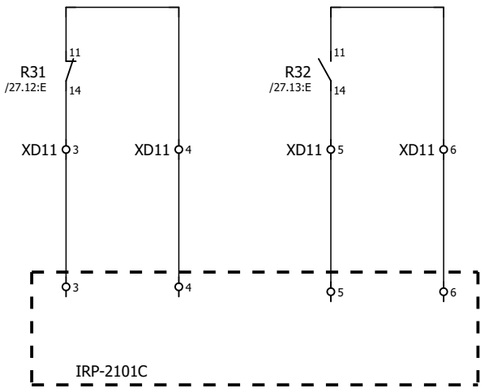
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	184 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION







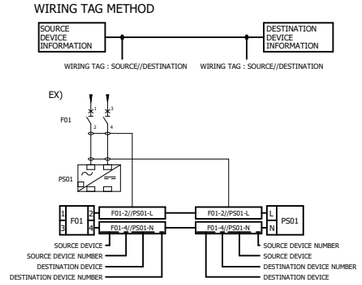
GENERAL NOTES

LEGEND

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KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
V00	*******	*******	*******	*******	*******
		CHECKED		REV. APPR.	

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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HAVAYAR

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	185 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

OUTPUT BYTE 0 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

A3.8 | /28.1:G /28.1:D /28.2:J

	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101C // PDSV-2201C	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101C // PDSV-2202C	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101C // PDSV-2203C	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101C // PDSV-2204C	SOLENOID VALVE INST. AIR SUPPLY - PACKAGE COMPRESSOR C-2101C // PDSV-2205C	SOLENOID VALVE SPILL BACK VALVE - PACKAGE COMPRESSOR C-2101C // PDSV-2123C	HOT SPARE	ON OFF VALVE SOLENOID INPUT ON OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // PSOV-2121C	
-X1 1 1L+	QX.0 -X1 2	QX.1 -X1 3	QX.2 -X1 4	QX.3 -X1 5	QX.4 -X1 6	QX.5 -X1 7	QX.6 -X1 8	QX.7 -X1 9	-X1 10 1M
12.6:F A3.8L1	24.4:D -A3-8:-X1:2	24.5:D -A3-8:-X1:3	24.6:D -A3-8:-X1:4	24.8:D -A3-8:-X1:5	24.9:D -A3-8:-X1:6	24.11:D -A3-8:-X1:7	24.12:D -A3-8:-X1:8	24.14:D -A3-8:-X1:9	12.5:K A3.8M1

OUTPUT BYTE 1 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

A3.8 | /28.1:A /28.1:G /28.2:J

	ON OFF VALVE SOLENOID OUTPUT OFF VALVE(CLINET SIDE) - PACKAGECOMPRESSORC-2101C // PSOV-2133C	HOT SPARE	HOT SPARE	SIGNAL LAMP OIL HEATER ON LAMP - PACKAGE COMPRESSOR C-2101C // XR-2230C	SIGNAL LAMP AUX LUBE OILPUMP MOTOR START LAMP - PACKAGE COMPRESSOR C-2101C // XR-2231C	SIGNAL LAMP LUBRICATOR HEATER ACTIVE LAMP - PACKAGE COMPRESSOR C-2101C // XR-2232C	SIGNAL LAMP LUBRICATOR MOTOR ACTIVE LAMP - PACKAGE COMPRESSOR C-2101C // XR-2233C	SIGNAL LAMP MAIN MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101C // XR-2234C	
-X1 11 2L+	QX+1.0 -X1 12	QX+1.1 -X1 13	QX+1.2 -X1 14	QX+1.3 -X1 15	QX+1.4 -X1 16	QX+1.5 -X1 17	QX+1.6 -X1 18	QX+1.7 -X1 19	-X1 20 2M
12.7:F A3.8L2	25.3:D -A3-8:-X1:12	25.5:D -A3-8:-X1:13	25.6:D -A3-8:-X1:14	25.8:D -A3-8:-X1:15	25.9:D -A3-8:-X1:16	25.11:D -A3-8:-X1:17	25.12:D -A3-8:-X1:18	25.13:D -A3-8:-X1:19	12.6:K A3.8M2

OUTPUT BYTE 2 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

A3.8 | /28.1:A /28.1:D /28.2:J

	SIGNAL LAMP OIL COOLER MOTOR A RUNNING LAMP - PACKAGE COMPRESSOR C-2101C // XR-2235C	SIGNAL LAMP MAIN WATER PUMP MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101C // XR-2236C	SIGNAL LAMP AUX WATER PUMP MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101C // XR-2237C	SIGNAL LAMP WATER HEATER ACTIVE LAMP - PACKAGE COMPRESSOR C-2101C // XR-2238C	SIGNAL LAMP WATER COOLER RUNNING LAMP - PACKAGE COMPRESSOR C-2101C // XR-2239C	SIGNAL LAMP BARRING MOTOR RUNNING LAMP - PACKAGE COMPRESSOR C-2101C // XR-2240C	SIGNAL LAMP COMP START PERMISSION - PACKAGE COMPRESSOR C-2101C // XSP-2230C	SIGNAL LAMP COMMON ALARM LAMP - PACKAGE COMPRESSOR C-2101C // XF-2230C	
-X1 21 3L+	QX+2.0 -X1 22	QX+2.1 -X1 23	QX+2.2 -X1 24	QX+2.3 -X1 25	QX+2.4 -X1 26	QX+2.5 -X1 27	QX+2.6 -X1 28	QX+2.7 -X1 29	-X1 30 3M
12.7:F A3.8L3	26.4:D -A3-8:-X1:22	26.5:D -A3-8:-X1:23	26.6:D -A3-8:-X1:24	26.8:D -A3-8:-X1:25	26.9:D -A3-8:-X1:26	26.11:D -A3-8:-X1:27	26.12:D -A3-8:-X1:28	26.14:D -A3-8:-X1:29	12.6:K A3.8M3

OUTPUT BYTE 3 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

A3.8 | /28.1:A /28.1:G /28.1:D

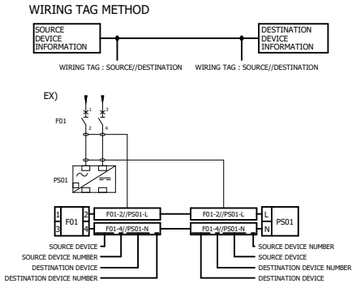
	SIGNAL LAMP COMMON SHUTDOWN LAMP - PACKAGE COMPRESSOR C-2101C // ESDL-2230C	SIGNAL LAMP OIL COOLER MOTOR B RUNNING - PACKAGE COMPRESSOR C-2101C // XR-2242C	SIGNAL LAMP WATER COOLER B RUNNING - PACKAGE COMPRESSOR C-2101C // XR-2243C	HOT SPARE	'HOT SPARE	HOT SPARE	STOP COMMAND HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401C // XSP-2200C	START COMMAND HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401C // XSS-2200C	
-X1 31 4L+	QX+3.0 -X1 32	QX+3.1 -X1 33	QX+3.2 -X1 34	QX+3.3 -X1 35	QX+3.4 -X1 36	QX+3.5 -X1 37	QX+3.6 -X1 38	QX+3.7 -X1 39	-X1 40 4M
12.8:F A3.8L4	27.4:D -A3-8:-X1:32	27.5:D -A3-8:-X1:33	27.6:D -A3-8:-X1:34	27.8:D -A3-8:-X1:35	27.9:D -A3-8:-X1:36	27.11:D -A3-8:-X1:37	27.12:D -A3-8:-X1:38	27.14:D -A3-8:-X1:39	12.7:K A3.8M4

GENERAL NOTES

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KEY PLAN

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	*******	*******	*******	*******	*******

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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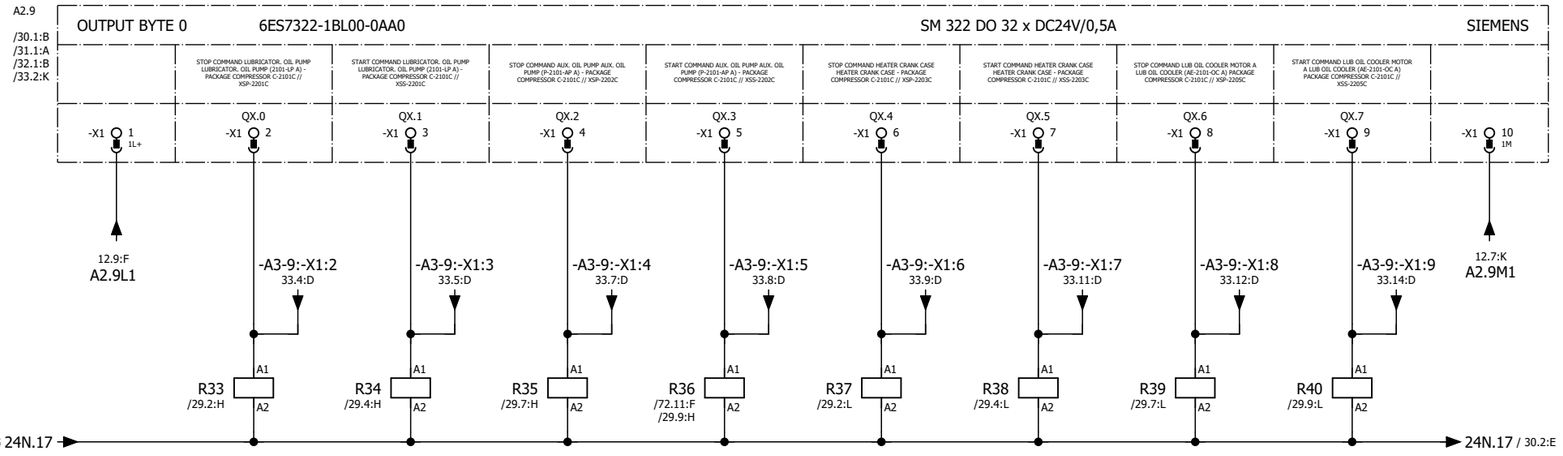
HAVAYAR

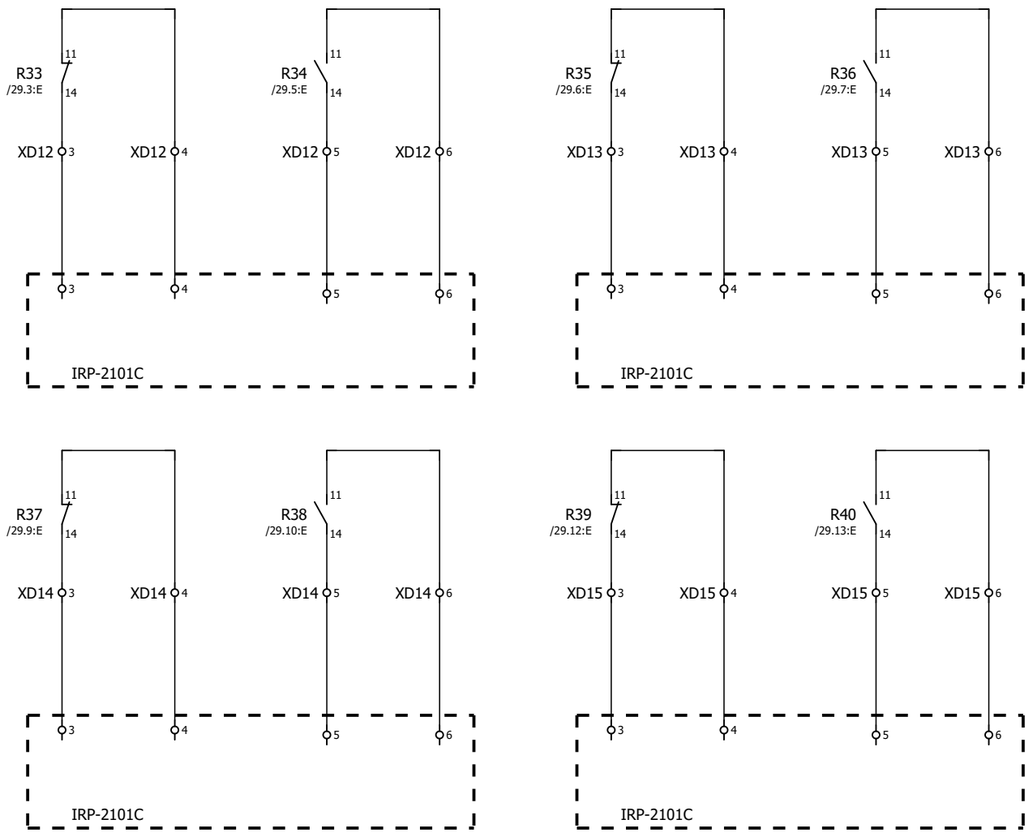
KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	186 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





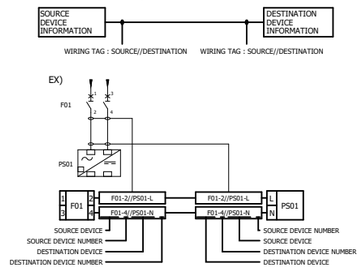
GENERAL NOTES

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KEY PLAN

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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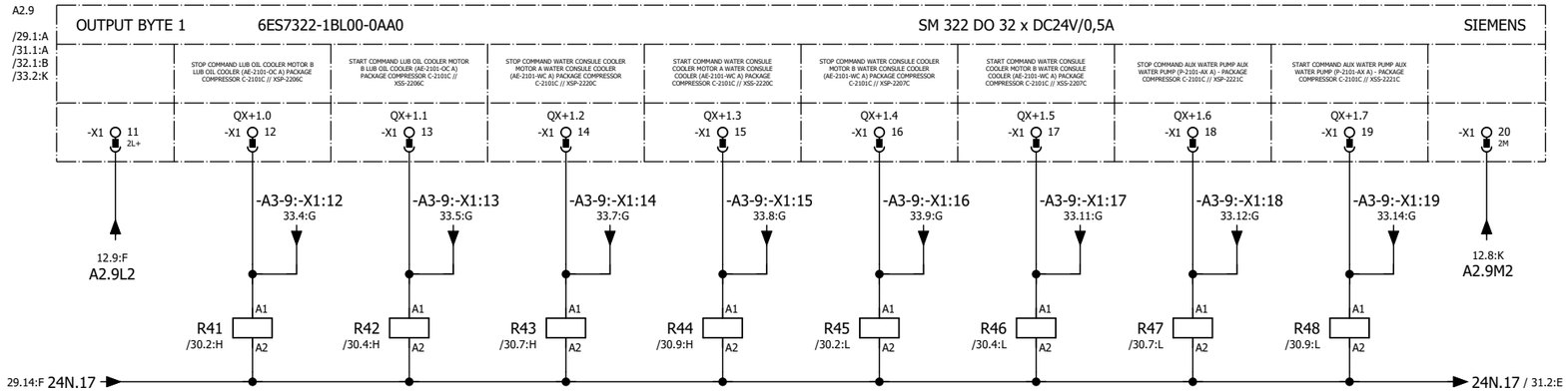
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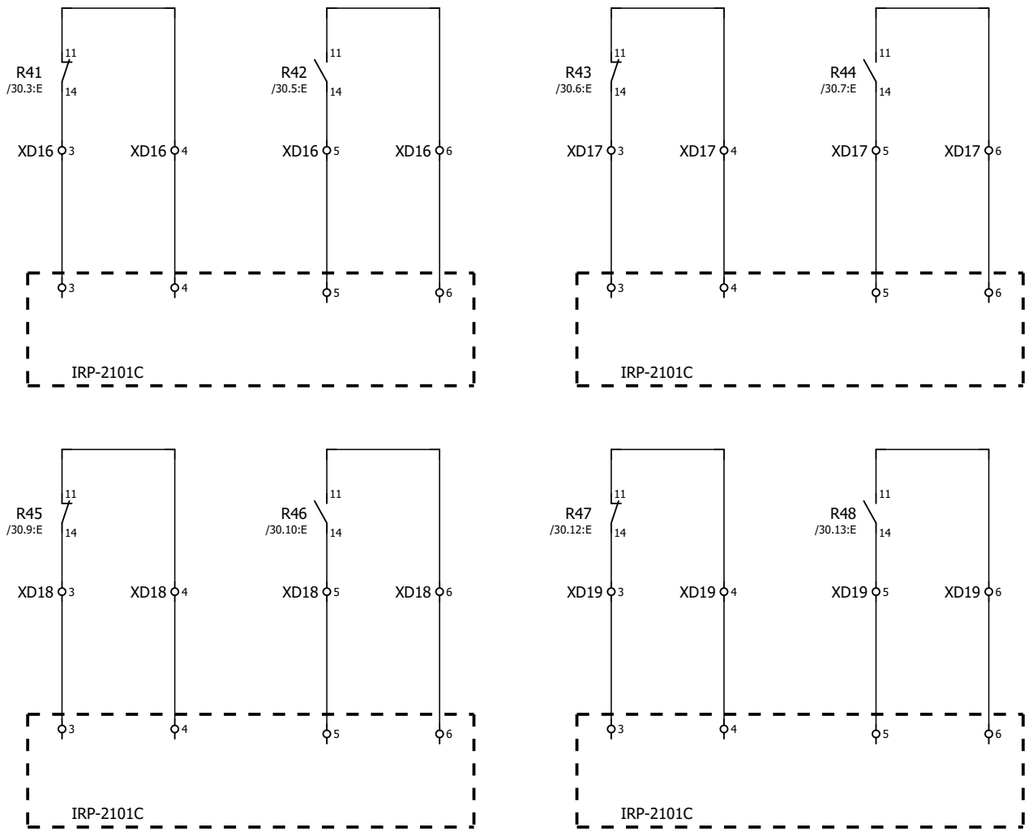
KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	187 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





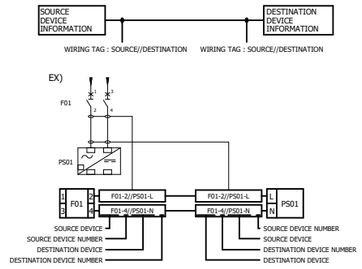
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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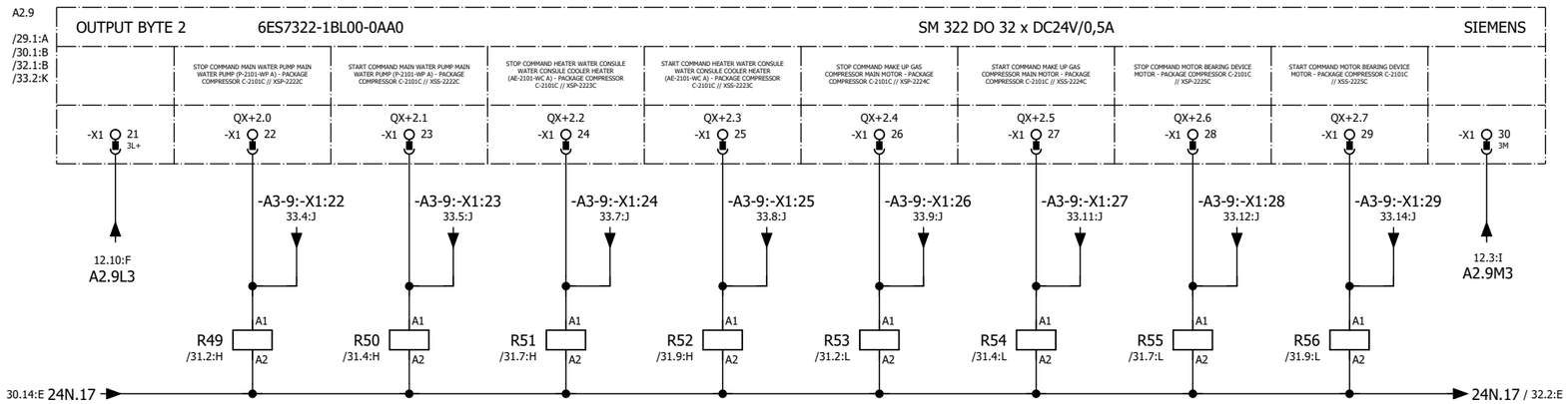
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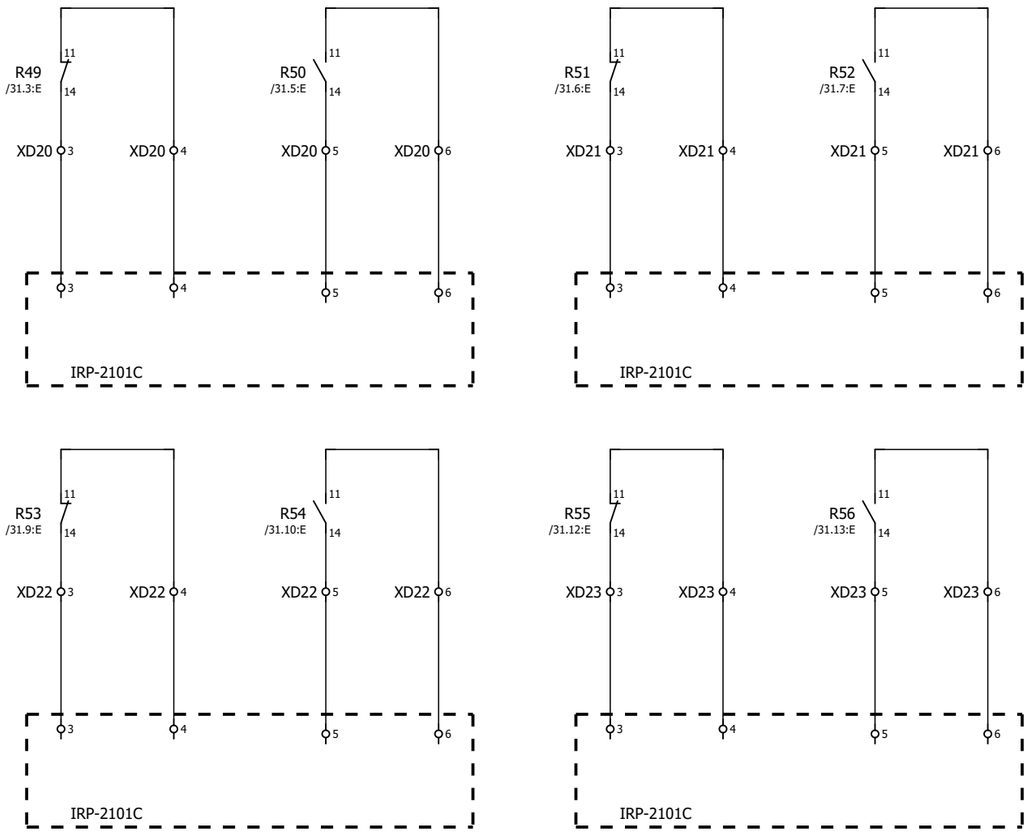
DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	188 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





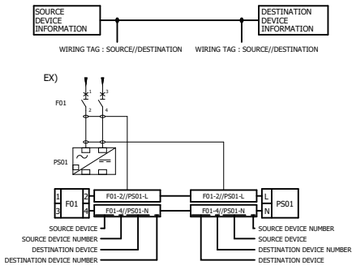
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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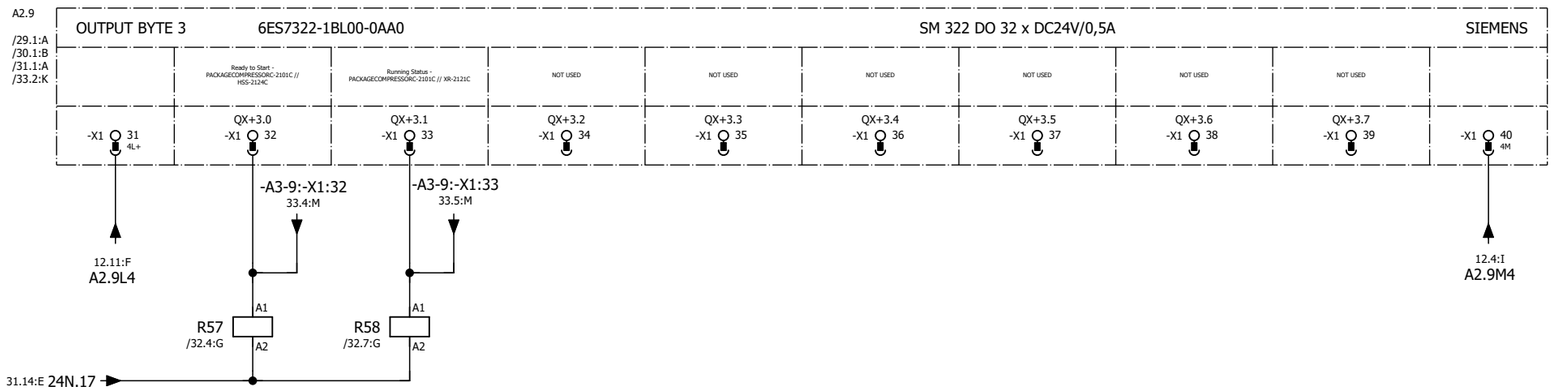
KwangShin

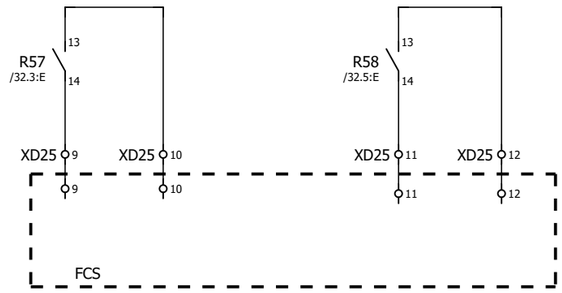
DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	189 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





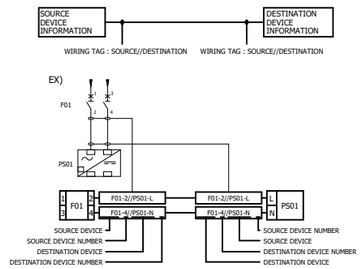
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	190 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A3.9

OUTPUT BYTE 0 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:E
/33.2:H

	STOP COMMAND LUBRICATOR. OIL PUMP LUBRICATOR. OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101C // XSP-2201C	START COMMAND LUBRICATOR. OIL PUMP LUBRICATOR. OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101C // XSS-2201C	STOP COMMAND AUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101C // XSP-2202C	START COMMAND AUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101C // XSS-2202C	STOP COMMAND HEATER CRANK CASE HEATER CRANK CASE - PACKAGE COMPRESSOR C-2101C // XSP-2203C	START COMMAND HEATER CRANK CASE HEATER CRANK CASE - PACKAGE COMPRESSOR C-2101C // XSS-2203C	STOP COMMAND LUB OIL COOLER MOTOR A LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101C // XSP-2205C	START COMMAND LUB OIL COOLER MOTOR A LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101C // XSS-2205C	
-X1 1 1L+	QX.0 -X1 2	QX.1 -X1 3	QX.2 -X1 4	QX.3 -X1 5	QX.4 -X1 6	QX.5 -X1 7	QX.6 -X1 8	QX.7 -X1 9	-X1 10 1M
12.11:F A3.9L1	29.4:D -A3-9:-X1:2	29.5:D -A3-9:-X1:3	29.6:D -A3-9:-X1:4	29.8:D -A3-9:-X1:5	29.9:D -A3-9:-X1:6	29.11:D -A3-9:-X1:7	29.12:D -A3-9:-X1:8	29.14:D -A3-9:-X1:9	12.4:I A3.9M1

A3.9

OUTPUT BYTE 1 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:A
/33.2:H

	STOP COMMAND LUB OIL COOLER MOTOR B LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101C // XSP-2206C	START COMMAND LUB OIL COOLER MOTOR B LUB OIL COOLER (AE-2101-OC A) PACKAGE COMPRESSOR C-2101C // XSS-2206C	STOP COMMAND WATER CONSULE COOLER MOTOR A WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101C // XSP-2220C	START COMMAND WATER CONSULE COOLER MOTOR A WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101C // XSS-2220C	STOP COMMAND WATER CONSULE COOLER MOTOR B WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101C // XSP-2207C	START COMMAND WATER CONSULE COOLER MOTOR B WATER CONSULE COOLER (AE-2101-WC A) PACKAGE COMPRESSOR C-2101C // XSS-2207C	STOP COMMAND AUX WATER PUMP AUX WATER PUMP (P-2101-AX A) - PACKAGE COMPRESSOR C-2101C // XSP-2221C	START COMMAND AUX WATER PUMP AUX WATER PUMP (P-2101-AX A) - PACKAGE COMPRESSOR C-2101C // XSS-2221C	
-X1 11 2L+	QX+1.0 -X1 12	QX+1.1 -X1 13	QX+1.2 -X1 14	QX+1.3 -X1 15	QX+1.4 -X1 16	QX+1.5 -X1 17	QX+1.6 -X1 18	QX+1.7 -X1 19	-X1 20 2M
12.12:F A3.9L2	30.4:D -A3-9:-X1:12	30.5:D -A3-9:-X1:13	30.6:D -A3-9:-X1:14	30.8:D -A3-9:-X1:15	30.9:D -A3-9:-X1:16	30.11:D -A3-9:-X1:17	30.12:D -A3-9:-X1:18	30.14:D -A3-9:-X1:19	12.5:I A3.9M2

A3.9

OUTPUT BYTE 2 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/33.2:A
/33.2:E

	STOP COMMAND MAIN WATER PUMP MAIN WATER PUMP (P-2101-WP A) - PACKAGE COMPRESSOR C-2101C // XSP-2222C	START COMMAND MAIN WATER PUMP MAIN WATER PUMP (P-2101-WP A) - PACKAGE COMPRESSOR C-2101C // XSS-2222C	STOP COMMAND HEATER WATER CONSULE WATER CONSULE COOLER HEATER (AE-2101-WC A) - PACKAGE COMPRESSOR C-2101C // XSP-2223C	START COMMAND HEATER WATER CONSULE WATER CONSULE COOLER HEATER (AE-2101-WC A) - PACKAGE COMPRESSOR C-2101C // XSS-2223C	STOP COMMAND MAKE UP GAS COMPRESSOR MAIN MOTOR - PACKAGE COMPRESSOR C-2101C // XSP-2224C	START COMMAND MAKE UP GAS COMPRESSOR MAIN MOTOR - PACKAGE COMPRESSOR C-2101C // XSS-2224C	STOP COMMAND MOTOR BEARING DEVICE MOTOR - PACKAGE COMPRESSOR C-2101C // XSP-2225C	START COMMAND MOTOR BEARING DEVICE MOTOR - PACKAGE COMPRESSOR C-2101C // XSS-2225C	
-X1 21 3L+	QX+2.0 -X1 22	QX+2.1 -X1 23	QX+2.2 -X1 24	QX+2.3 -X1 25	QX+2.4 -X1 26	QX+2.5 -X1 27	QX+2.6 -X1 28	QX+2.7 -X1 29	-X1 30 3M
12.12:F A3.9L3	31.4:D -A3-9:-X1:22	31.5:D -A3-9:-X1:23	31.6:D -A3-9:-X1:24	31.8:D -A3-9:-X1:25	31.9:D -A3-9:-X1:26	31.11:D -A3-9:-X1:27	31.12:D -A3-9:-X1:28	31.14:D -A3-9:-X1:29	12.6:I A3.9M3

A2.9

OUTPUT BYTE 3 — 6ES7322-1BL00-0AA0 — SM 322 DO 32 x DC24V/0,5A — SIEMENS

/29.1:A
/30.1:B
/31.1:A
/32.1:B

	Ready to Start - PACKAGECOMPRESSORC-2101C // HSS-2124C	Running Status - PACKAGECOMPRESSORC-2101C // XR-2121C	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
-X1 31 4L+	QX+3.0 -X1 32	QX+3.1 -X1 33	QX+3.2 -X1 34	QX+3.3 -X1 35	QX+3.4 -X1 36	QX+3.5 -X1 37	QX+3.6 -X1 38	QX+3.7 -X1 39	-X1 40 4M
12.13:F A3.9L4	32.4:D -A3-9:-X1:32	32.5:D -A3-9:-X1:33							12.6:I A3.9M4

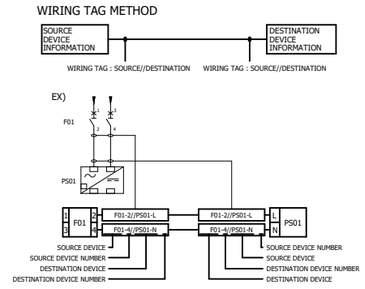
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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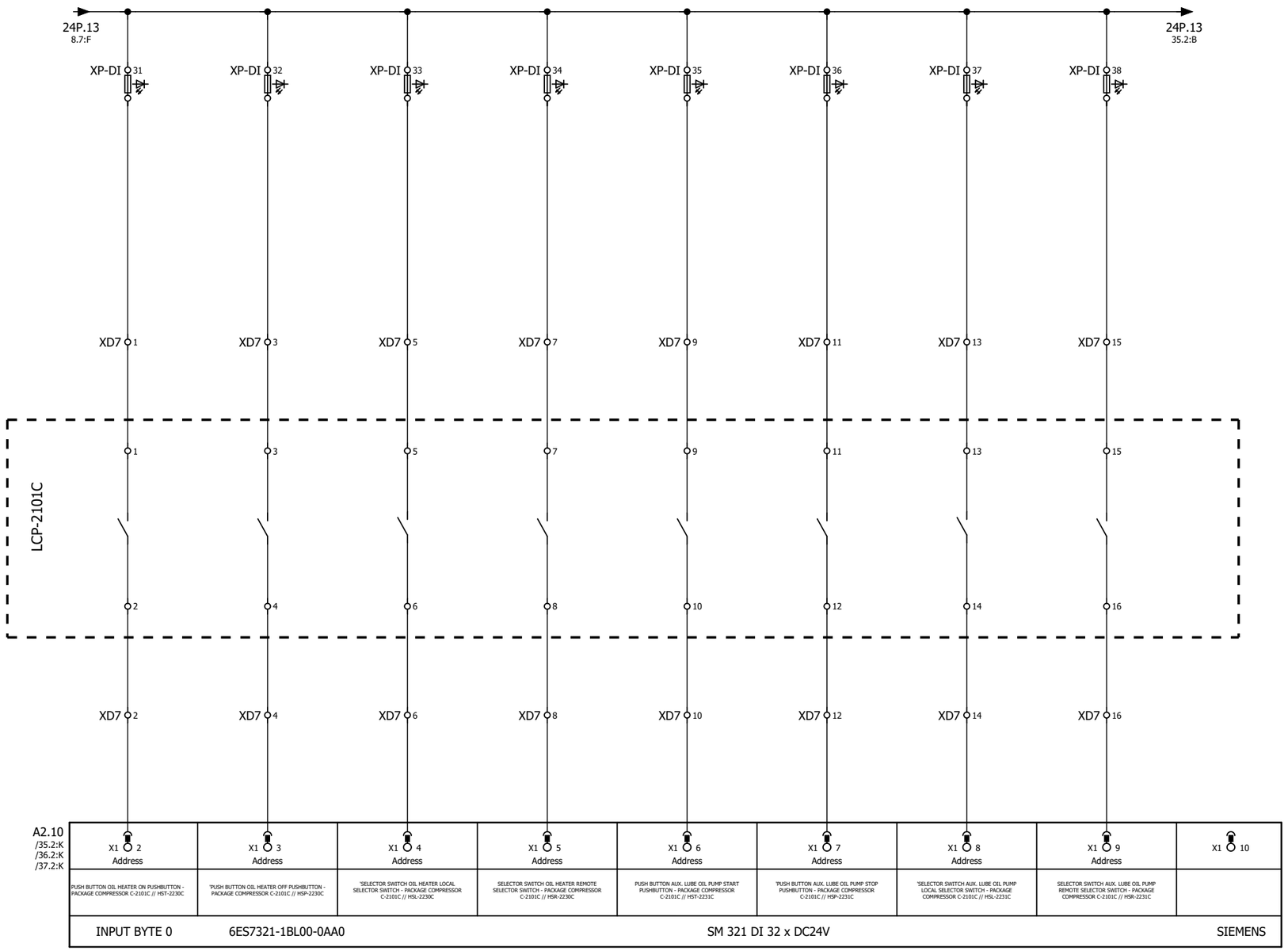
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	191 OF 335	00

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/35.2:K
/36.2:K
/37.2:K

X1 2	X1 3	X1 4	X1 5	X1 6	X1 7	X1 8	X1 9	X1 10
Address	Address	Address	Address	Address	Address	Address	Address	
PUSH BUTTON OIL HEATER ON PUSHBUTTON - PACKAGE COMPRESSOR C-2101C // HST-2230C	'PUSH BUTTON OIL HEATER OFF PUSHBUTTON - PACKAGE COMPRESSOR C-2101C // HSP-2230C	'SELECTOR SWITCH OIL HEATER LOCAL SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101C // HSL-2230C	SELECTOR SWITCH OIL HEATER REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101C // HSR-2230C	PUSH BUTTON AUX. LUBE OIL PUMP START PUSHBUTTON - PACKAGE COMPRESSOR C-2101C // HST-2231C	'PUSH BUTTON AUX. LUBE OIL PUMP STOP PUSHBUTTON - PACKAGE COMPRESSOR C-2101C // HSP-2231C	'SELECTOR SWITCH AUX. LUBE OIL PUMP LOCAL SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101C // HSL-2231C	SELECTOR SWITCH AUX. LUBE OIL PUMP REMOTE SELECTOR SWITCH - PACKAGE COMPRESSOR C-2101C // HSR-2231C	

INPUT BYTE 0 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

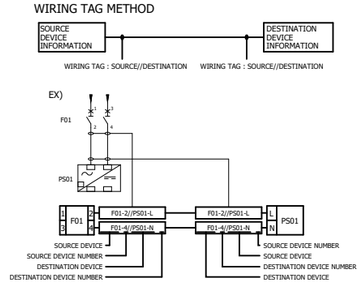
GENERAL NOTES

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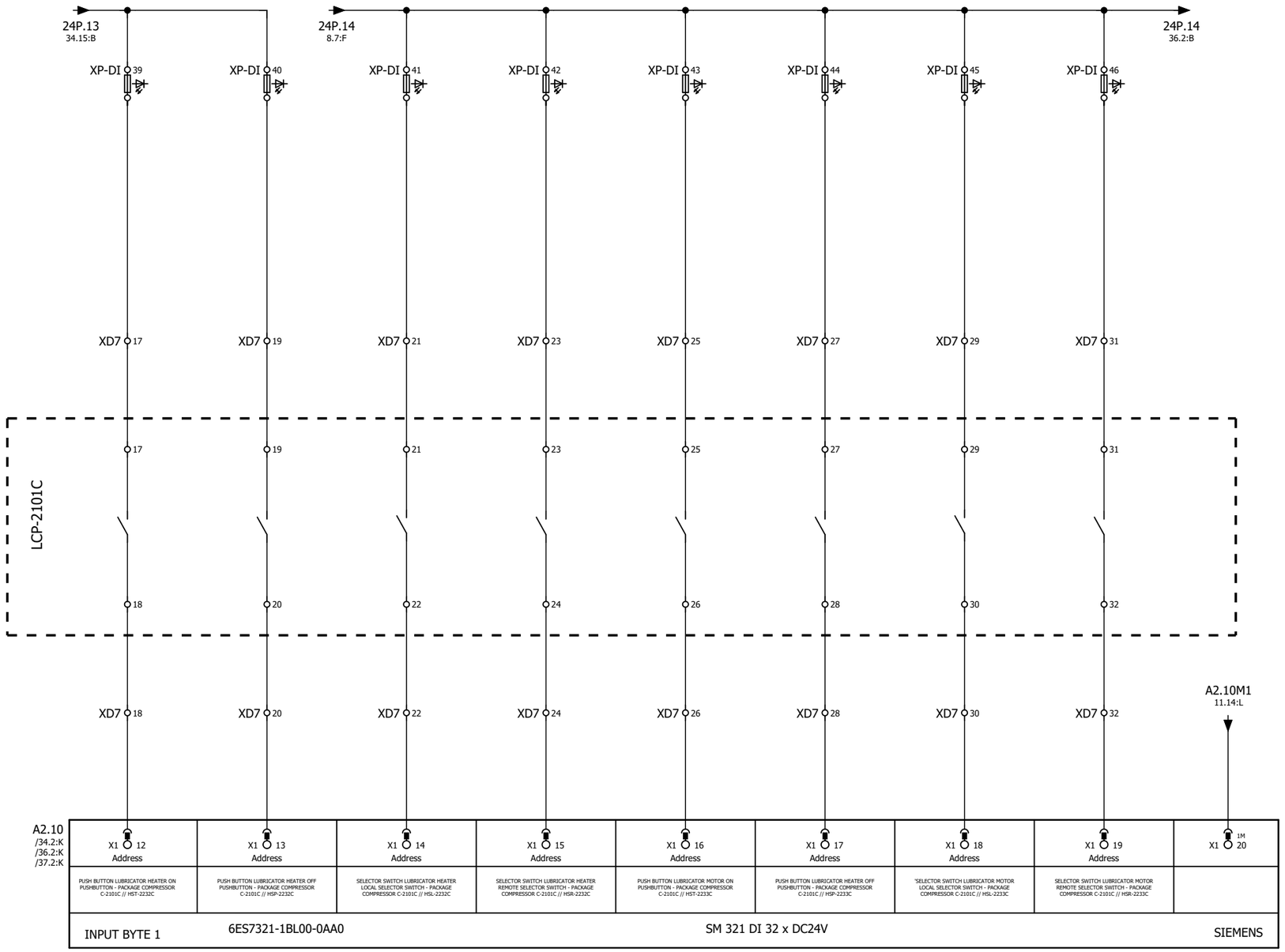
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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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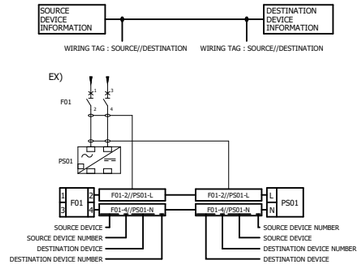
GENERAL NOTES

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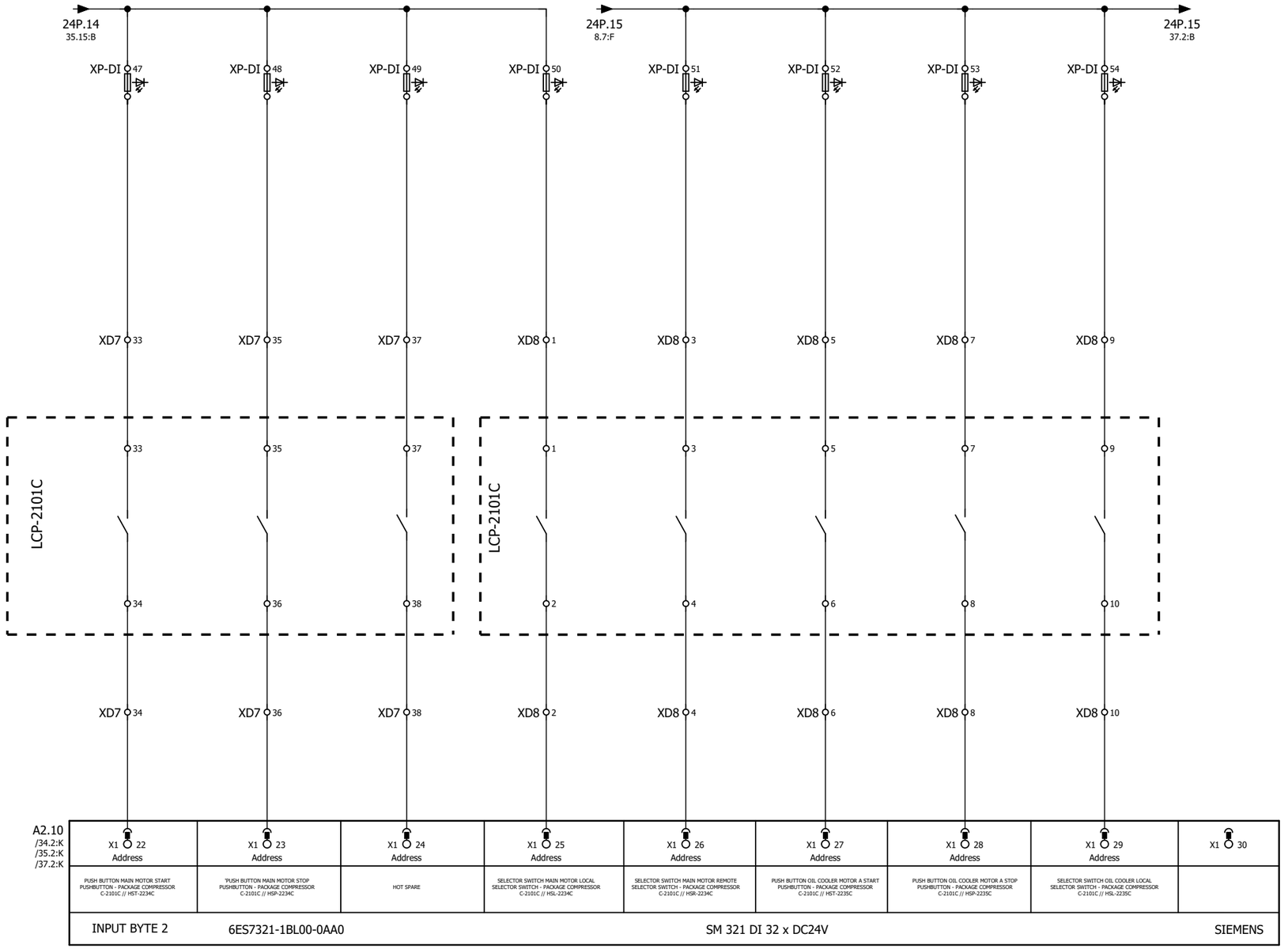
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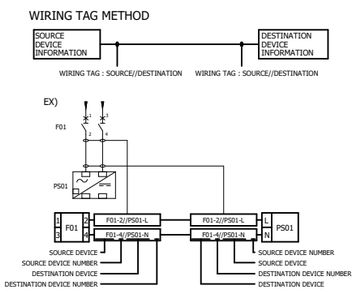
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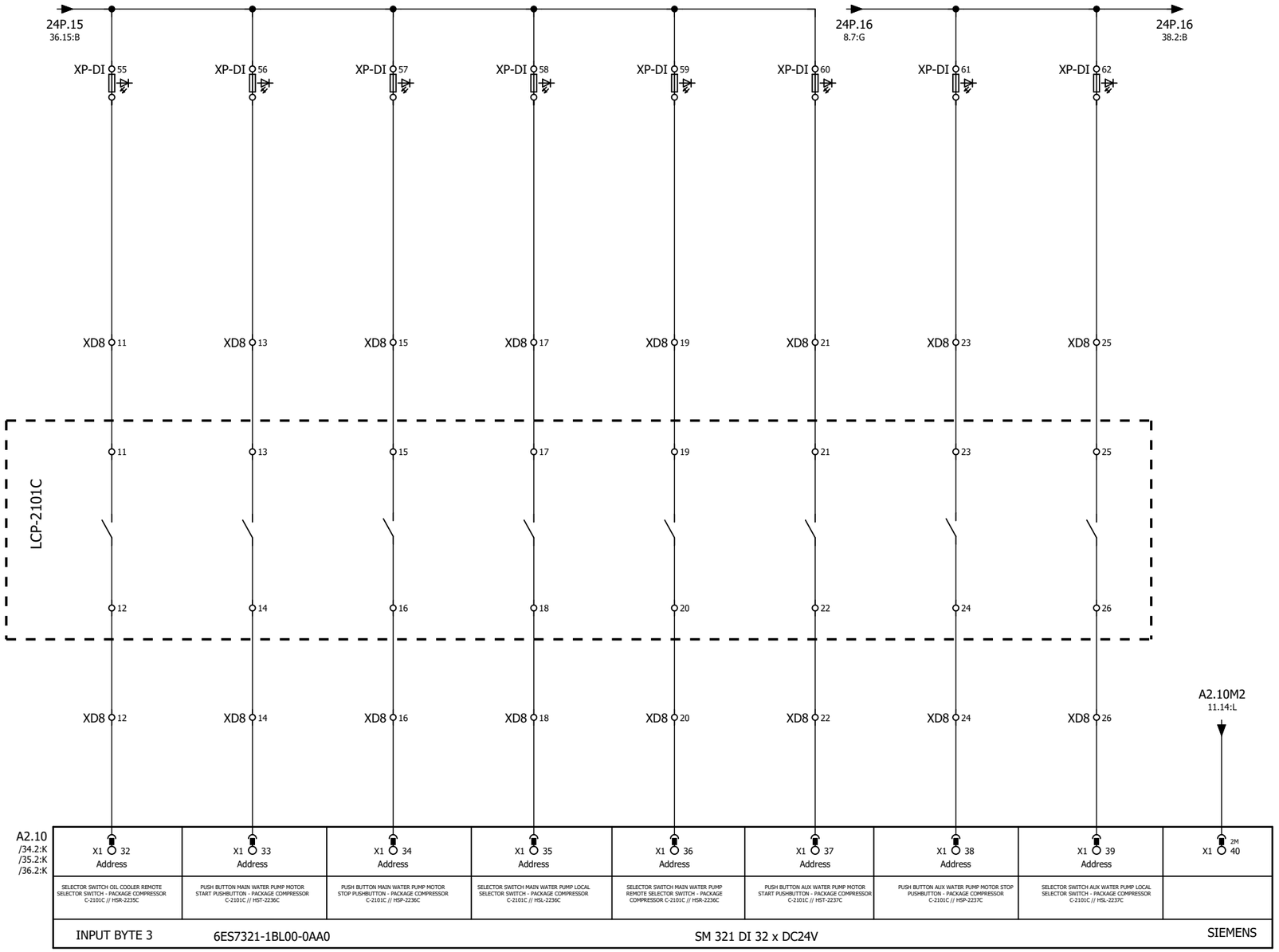
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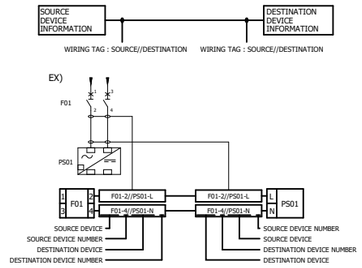
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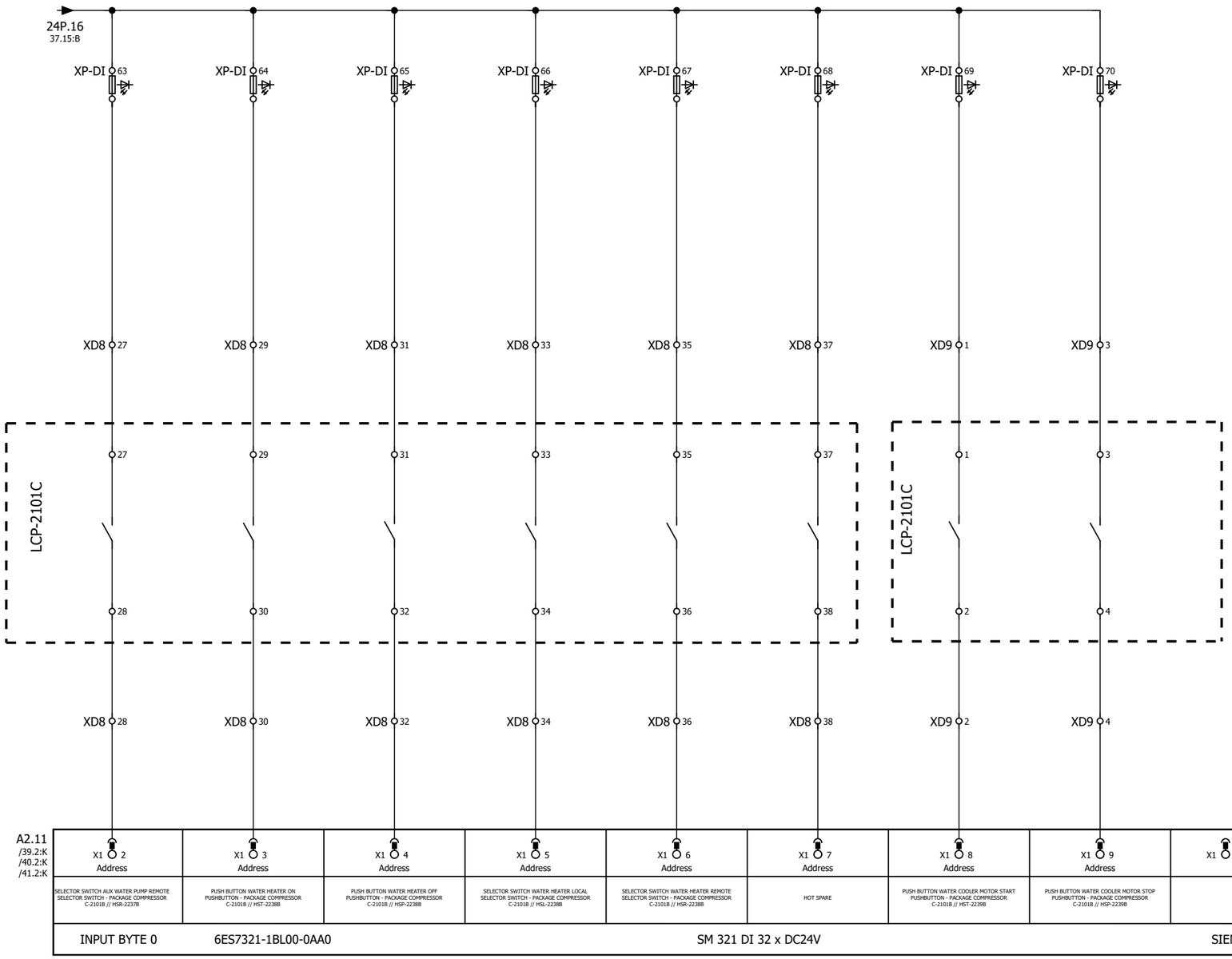
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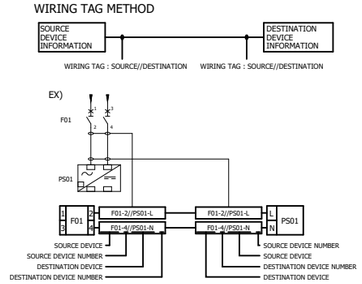
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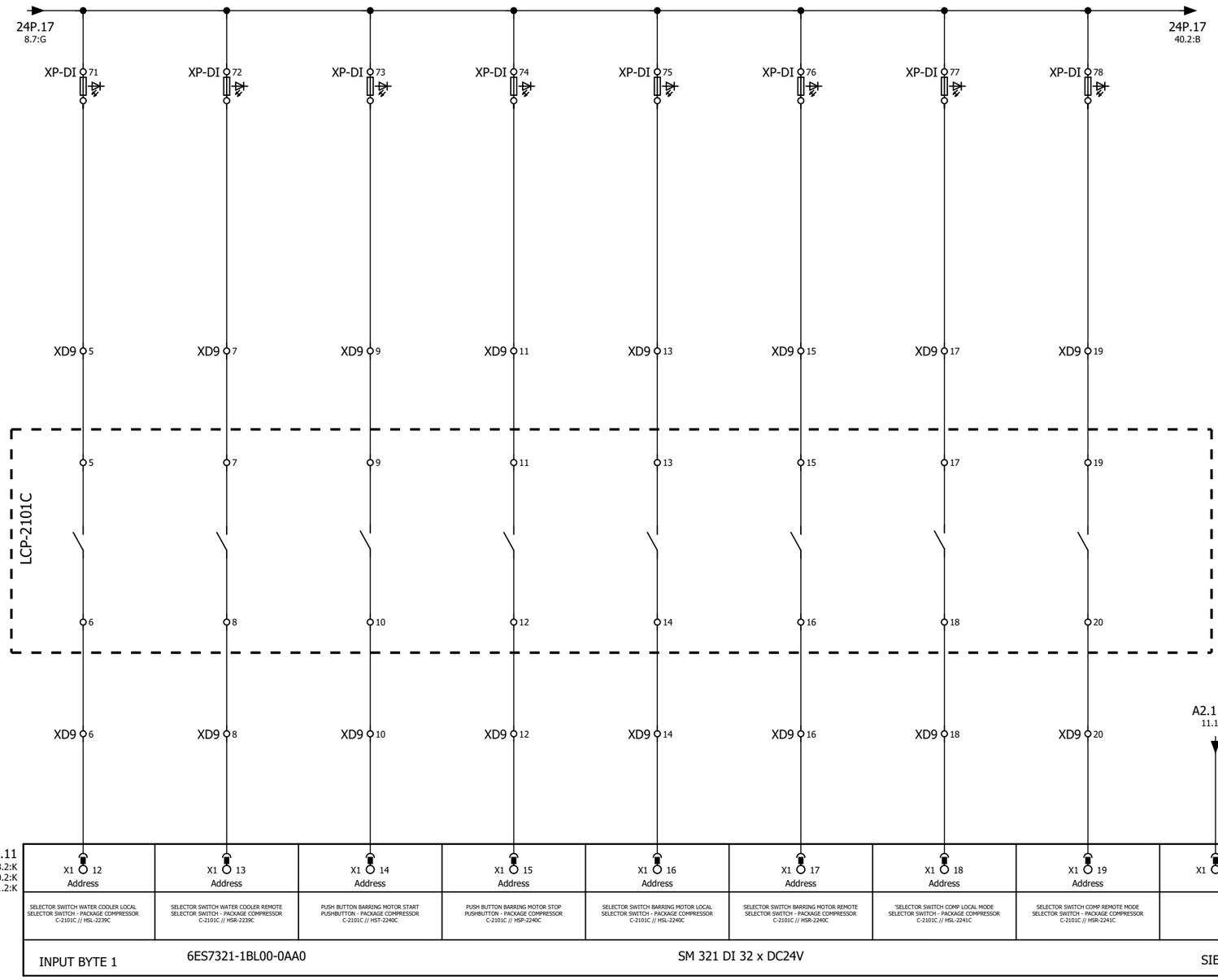
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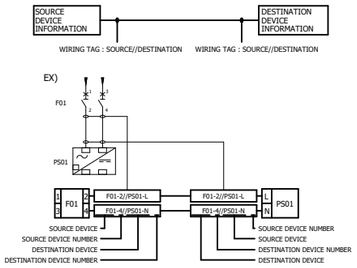
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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
*******	********	*******	*******	*******

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APPROVED FOR CONSTRUCTION	BY:	DATE:

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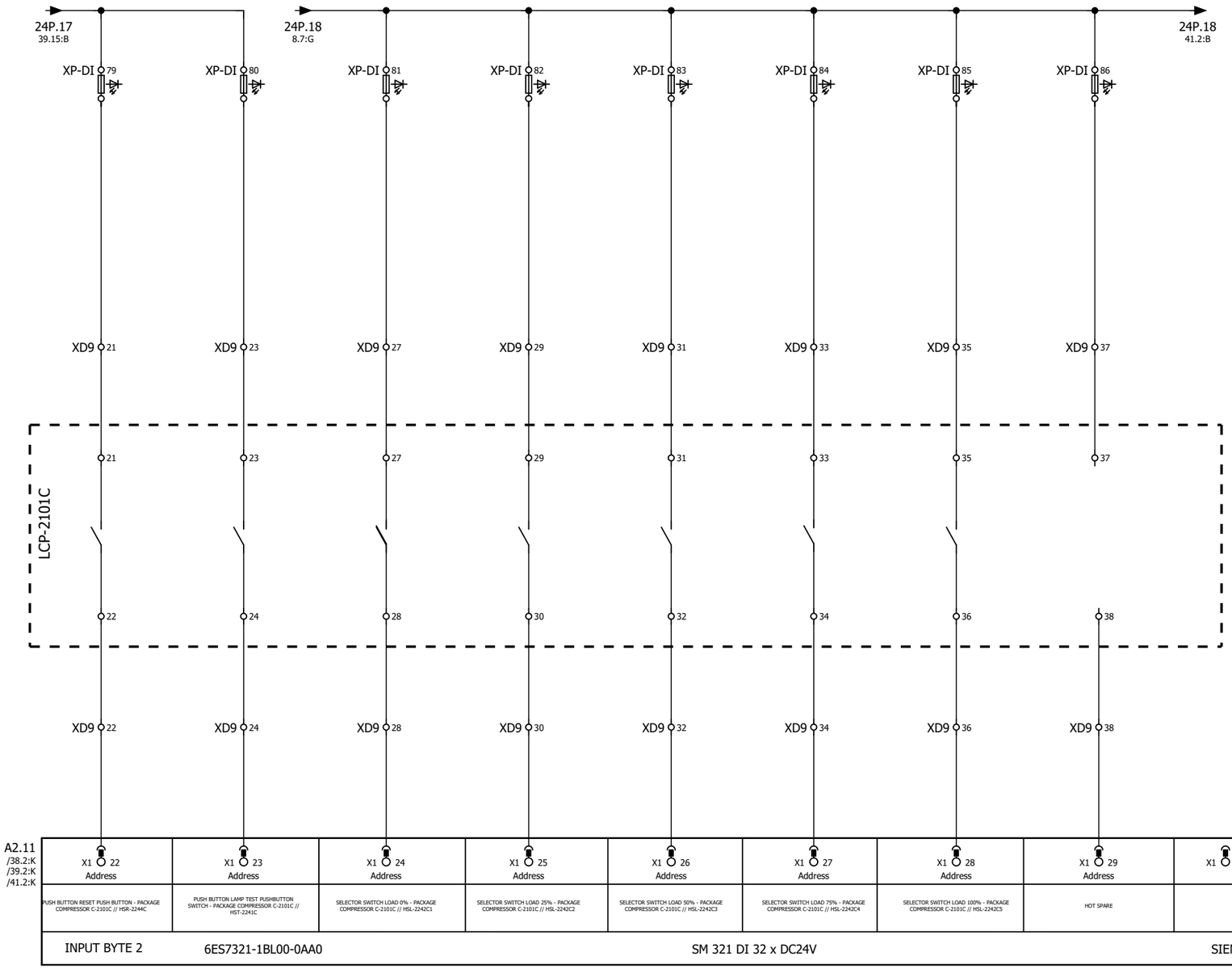
KwangShin

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	197 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A2.11 /38.2:K /39.2:K /41.2:K								
X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30
PUSH BUTTON RESET PUSH BUTTON - PACKAGE COMPRESSOR C-2101C // HSR-2244C	PUSH BUTTON LAMP TEST PUSHBUTTON SWITCH - PACKAGE COMPRESSOR C-2101C // HST-2241C	SELECTOR SWITCH LOAD 0% - PACKAGE COMPRESSOR C-2101C // HSL-2242C1	SELECTOR SWITCH LOAD 25% - PACKAGE COMPRESSOR C-2101C // HSL-2242C2	SELECTOR SWITCH LOAD 50% - PACKAGE COMPRESSOR C-2101C // HSL-2242C3	SELECTOR SWITCH LOAD 75% - PACKAGE COMPRESSOR C-2101C // HSL-2242C4	SELECTOR SWITCH LOAD 100% - PACKAGE COMPRESSOR C-2101C // HSL-2242C5	HOT SPARE	
INPUT BYTE 2	6ES7321-1BL00-0AA0			SM 321 DI 32 x DC24V				SIEMENS

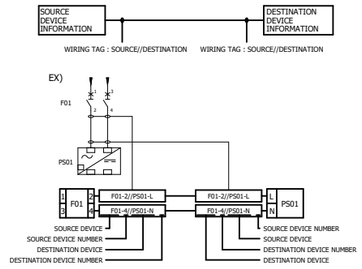
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
V00	*******	*******	*******	*******	*******

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SURFACE FACILITIES

GAS COMPRESSOR STATION

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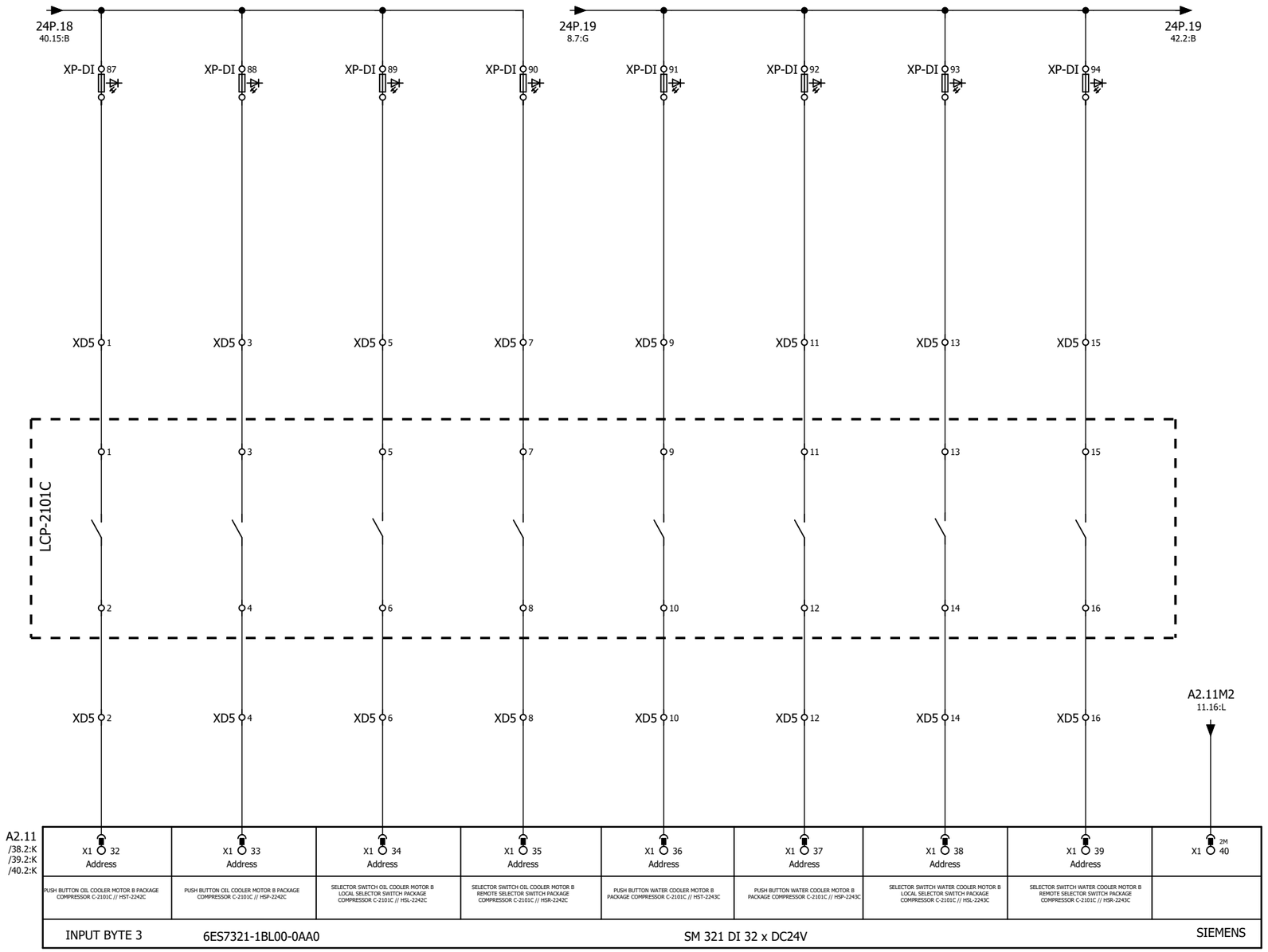
HAVAYAR

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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	198 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



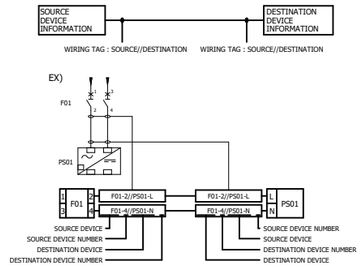
GENERAL NOTES

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WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V02					
V01					
V00	*******	*******	*******	*******	*******
		CHECKED		REV. APPR.	

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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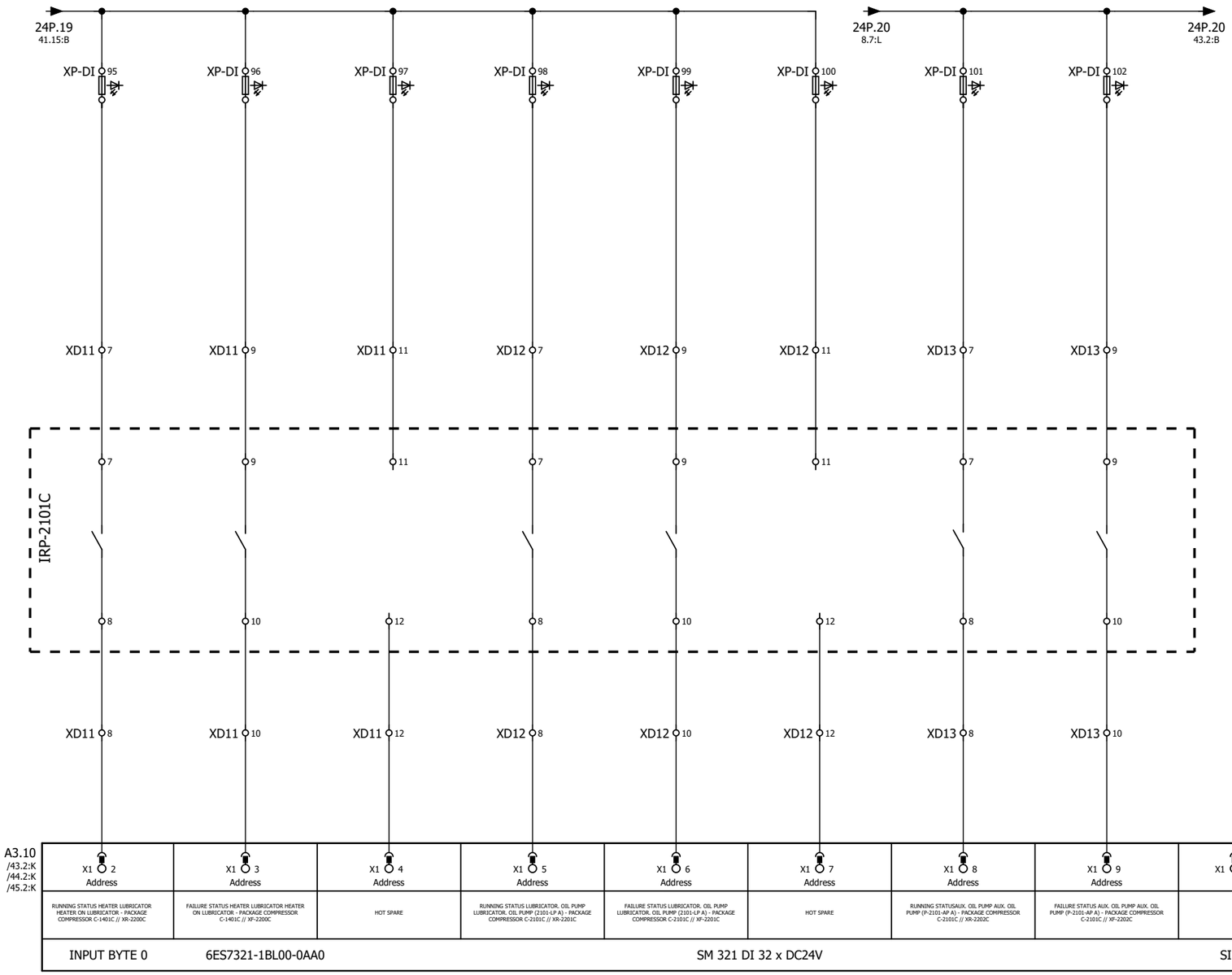
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	199 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



A3.10 /43.2:K /44.2:K /45.2:K								
X1 2 Address	X1 3 Address	X1 4 Address	X1 5 Address	X1 6 Address	X1 7 Address	X1 8 Address	X1 9 Address	X1 10
RUNNING STATUS HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401C // XR-2200C	FAILURE STATUS HEATER LUBRICATOR HEATER ON LUBRICATOR - PACKAGE COMPRESSOR C-1401C // XF-2200C	HOT SPARE	RUNNING STATUS LUBRICATOR, OIL PUMP LUBRICATOR, OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101C // XR-2201C	FAILURE STATUS LUBRICATOR, OIL PUMP LUBRICATOR, OIL PUMP (2101-LP A) - PACKAGE COMPRESSOR C-2101C // XF-2201C	HOT SPARE	RUNNING STATUSAUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101C // XR-2202C	FAILURE STATUS AUX. OIL PUMP AUX. OIL PUMP (P-2101-AP A) - PACKAGE COMPRESSOR C-2101C // XF-2202C	
INPUT BYTE 0	6ES7321-1BL00-0AA0			SM 321 DI 32 x DC24V				SIEMENS

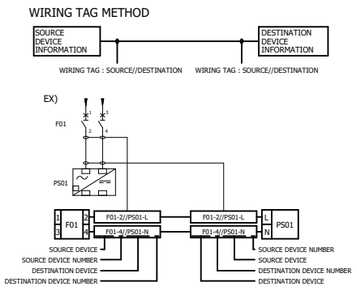
GENERAL NOTES

LEGEND

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KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
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V00 ******* ******* ******* ******* *******

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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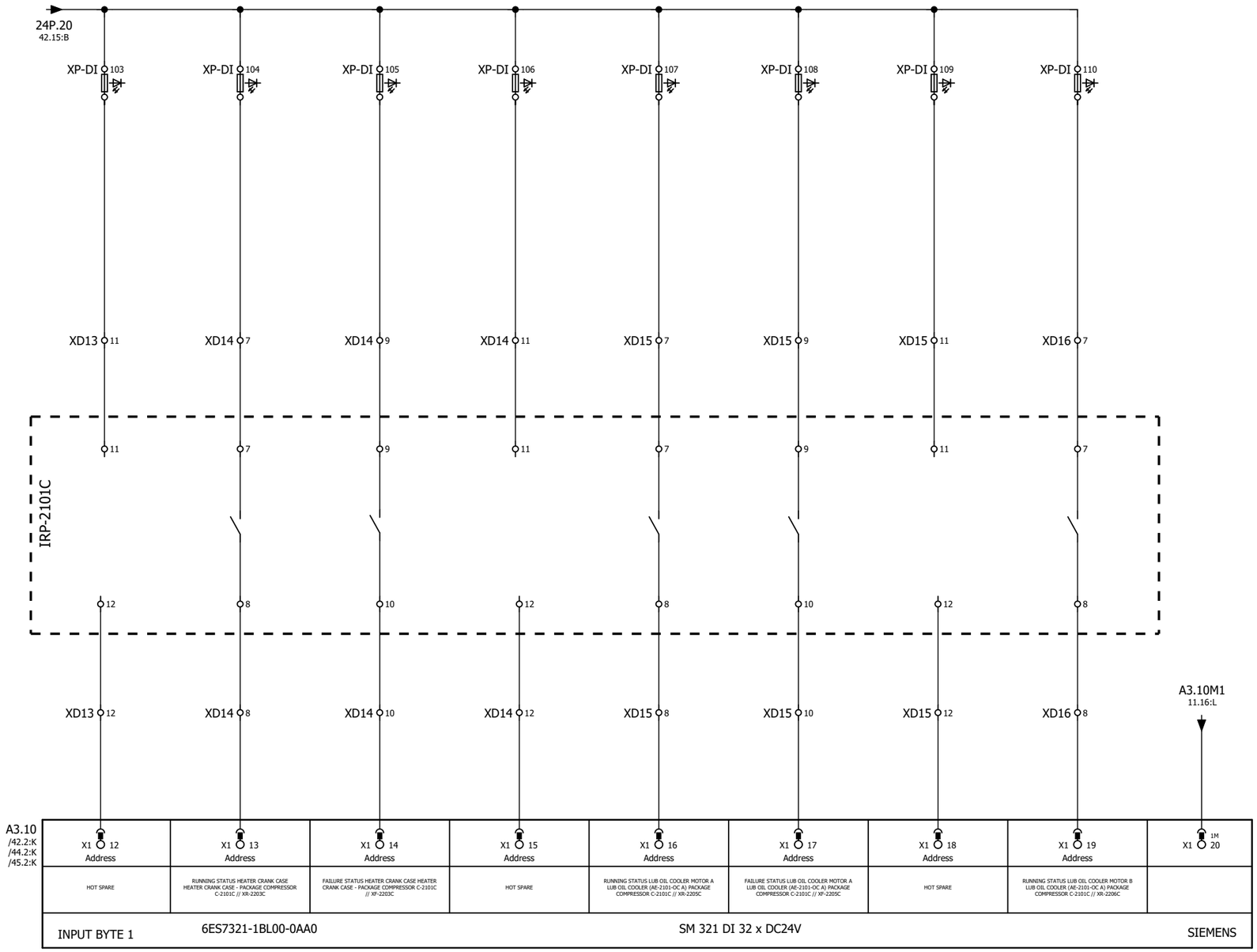
KwangShin Reciprocating Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	200 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



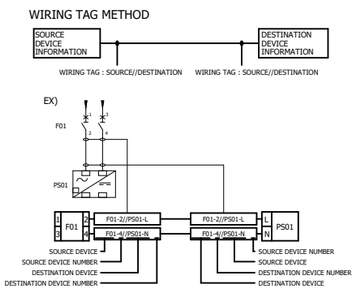
GENERAL NOTES

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KEY PLAN

WIRING TAG METHOD



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V00	*******	*******	*******	*******	*******
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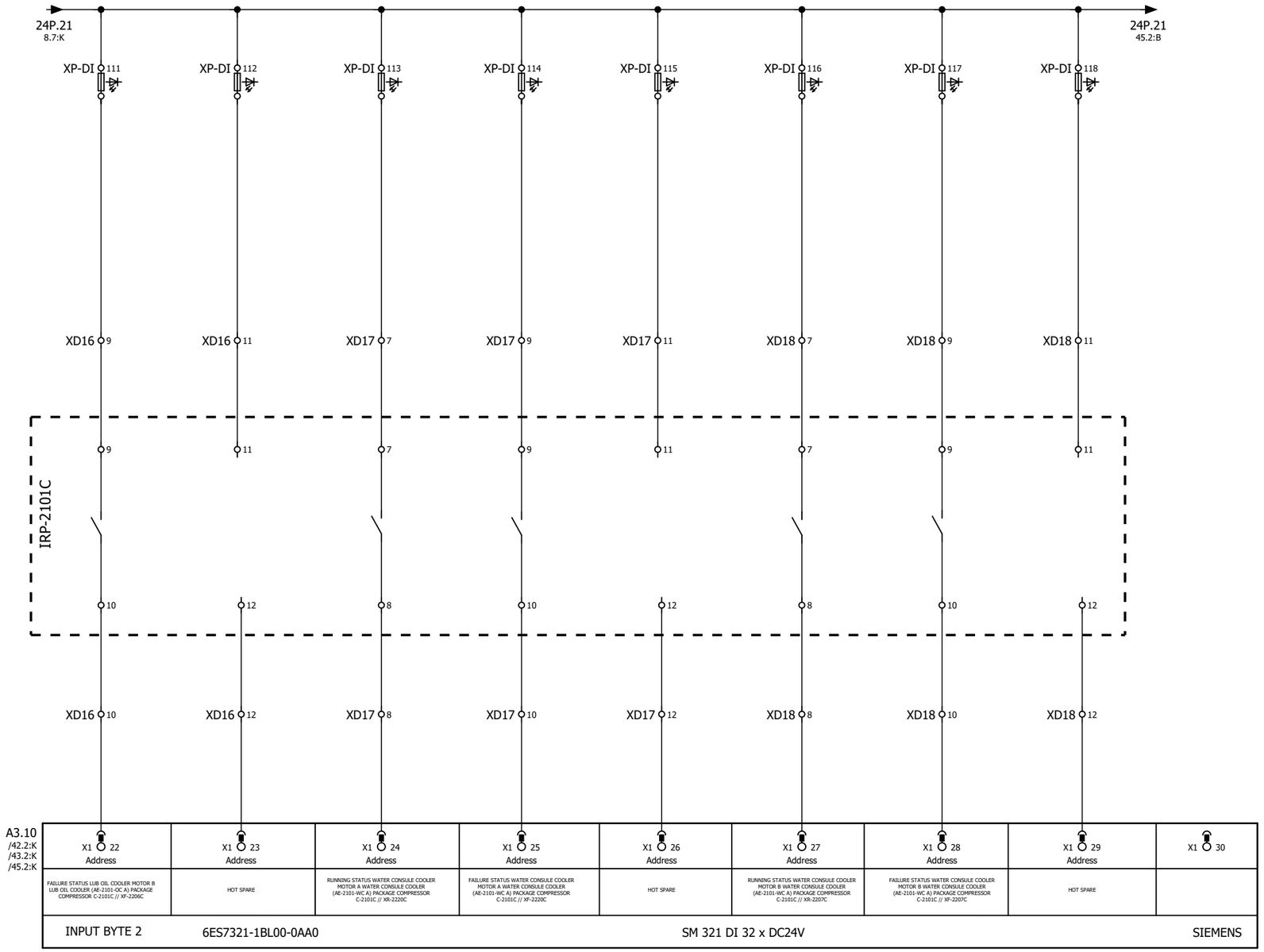
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PLC WIRING DIAGRAM & TERMINAL DETAILS

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



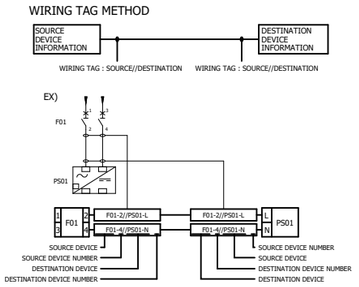
GENERAL NOTES

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KEY PLAN

WIRING TAG METHOD



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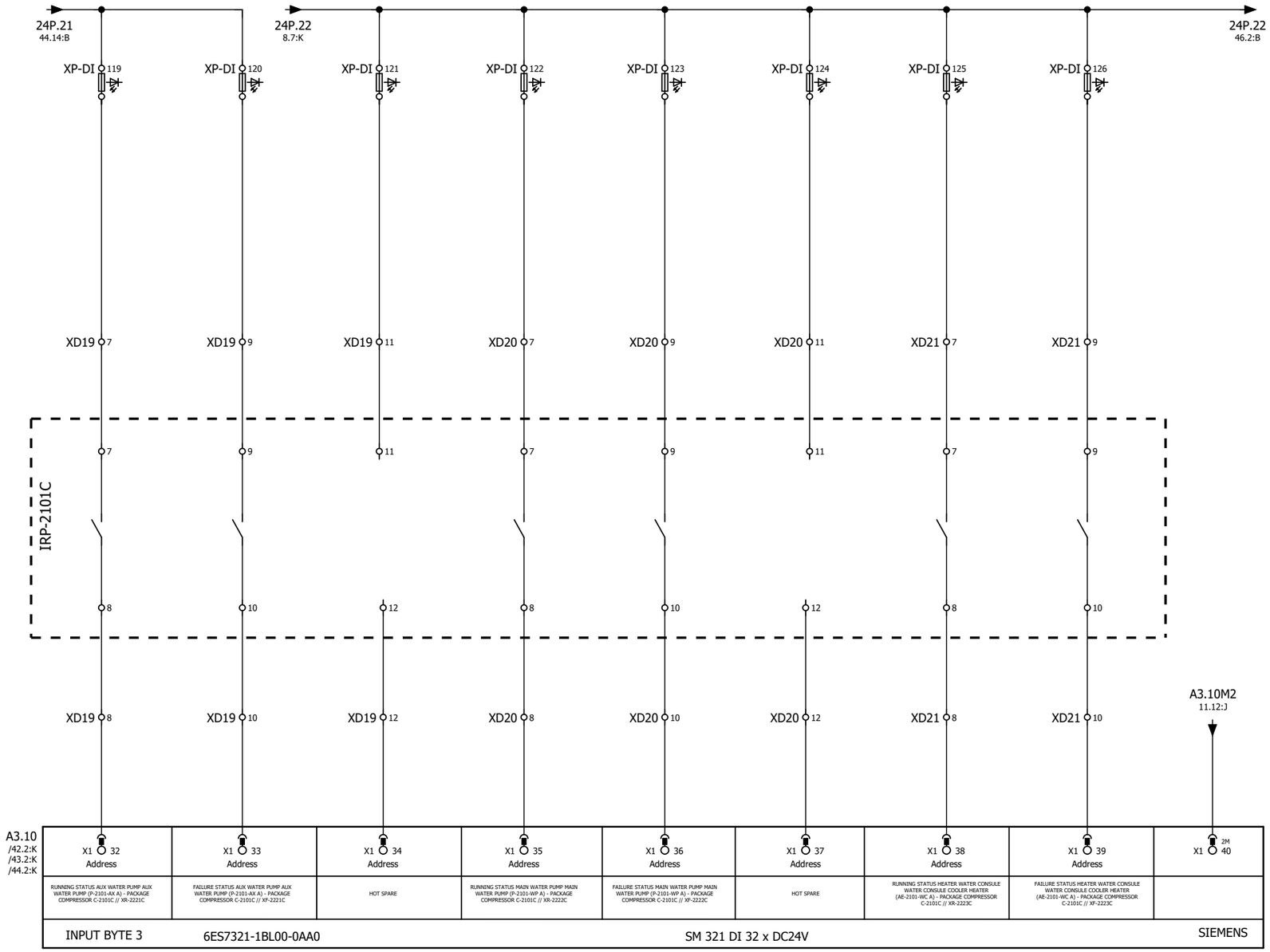
KwangShin

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



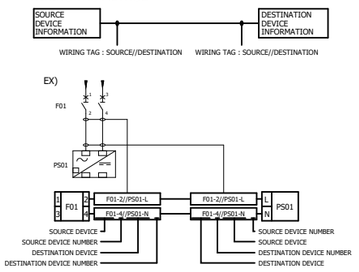
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
V03					
V02					
V01					
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

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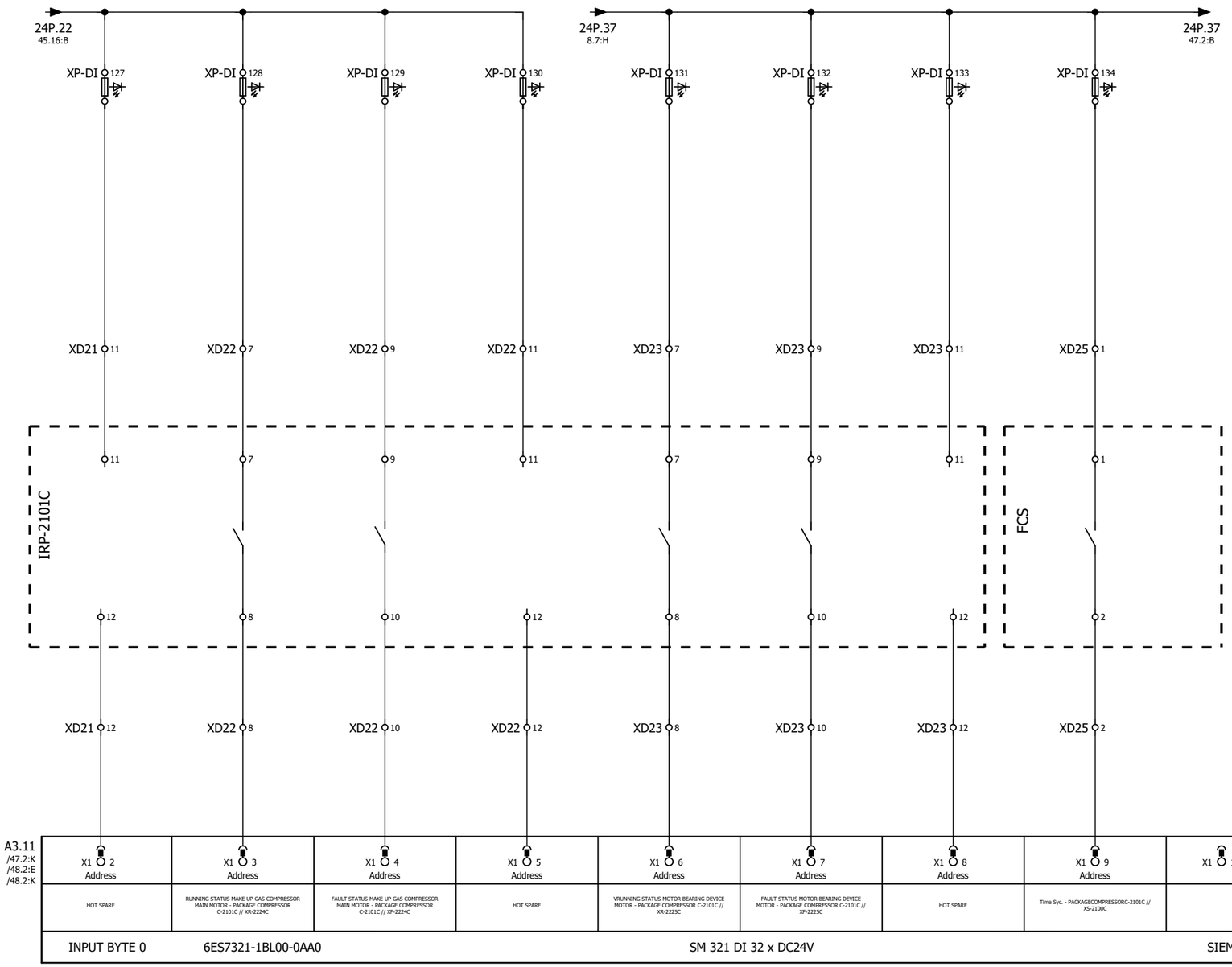
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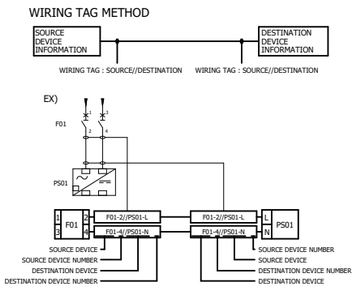
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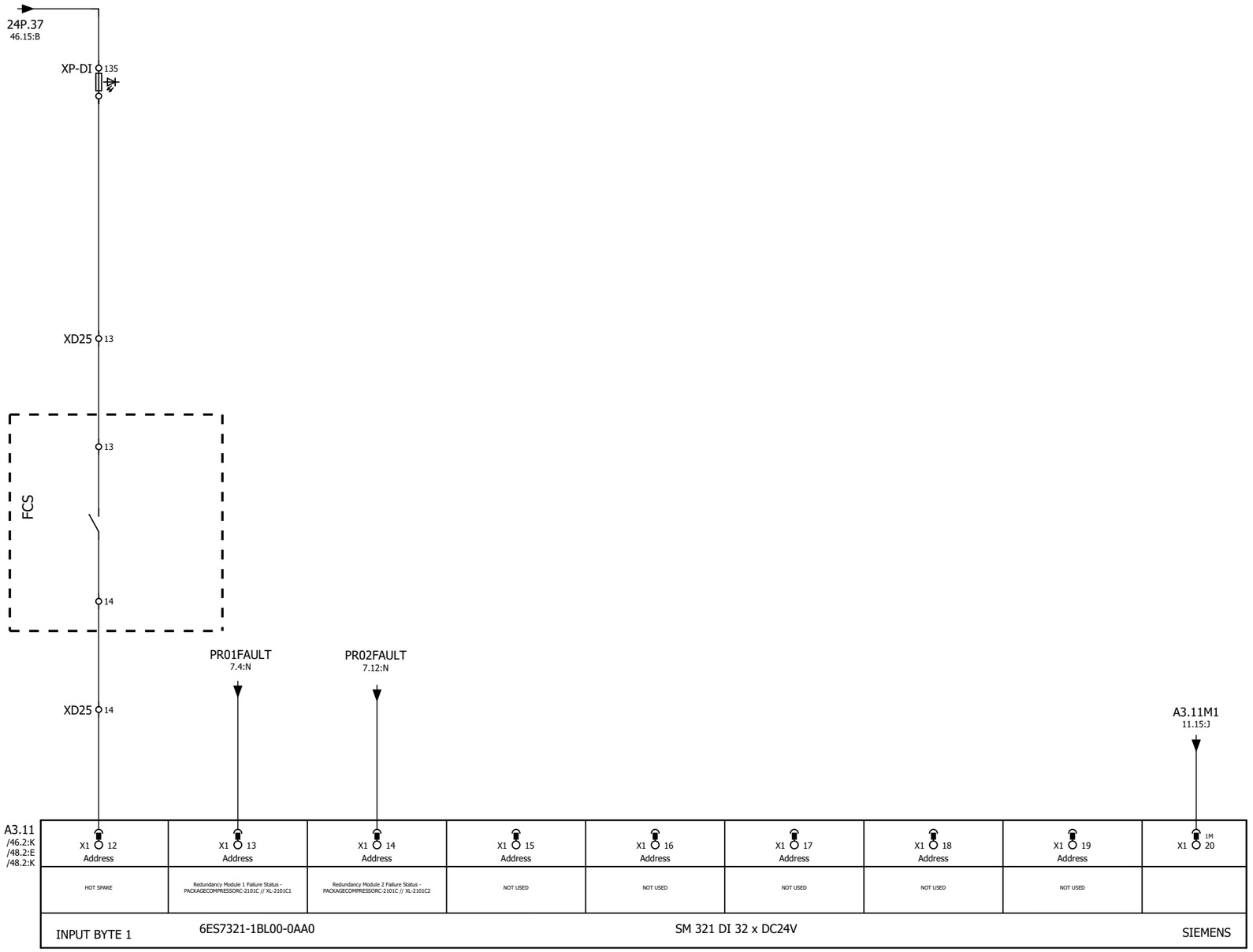
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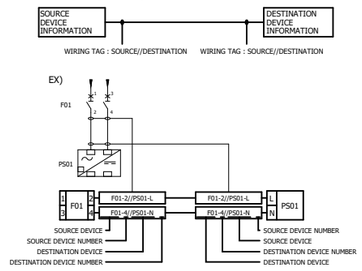
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A3.11
/46.2:K
/47.2:K
/48.2:K

X1 22 Address	X1 23 Address	X1 24 Address	X1 25 Address	X1 26 Address	X1 27 Address	X1 28 Address	X1 29 Address	X1 30
NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	

INPUT BYTE 2 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

A3.11M2
11.16:J

A3.11
/46.2:K
/47.2:K
/48.2:E

X1 32 Address	X1 33 Address	X1 34 Address	X1 35 Address	X1 36 Address	X1 37 Address	X1 38 Address	X1 39 Address	2M X1 40
NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	

INPUT BYTE 3 | 6ES7321-1BL00-0AA0 | SM 321 DI 32 x DC24V | SIEMENS

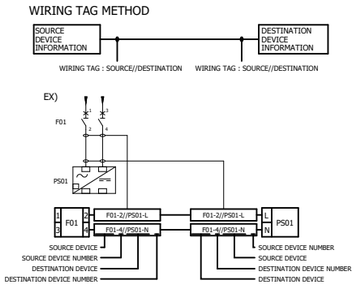
GENERAL NOTES

LEGEND

REFERENCE DRAWING | DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	*******	*******	*******	*******	*******

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES
GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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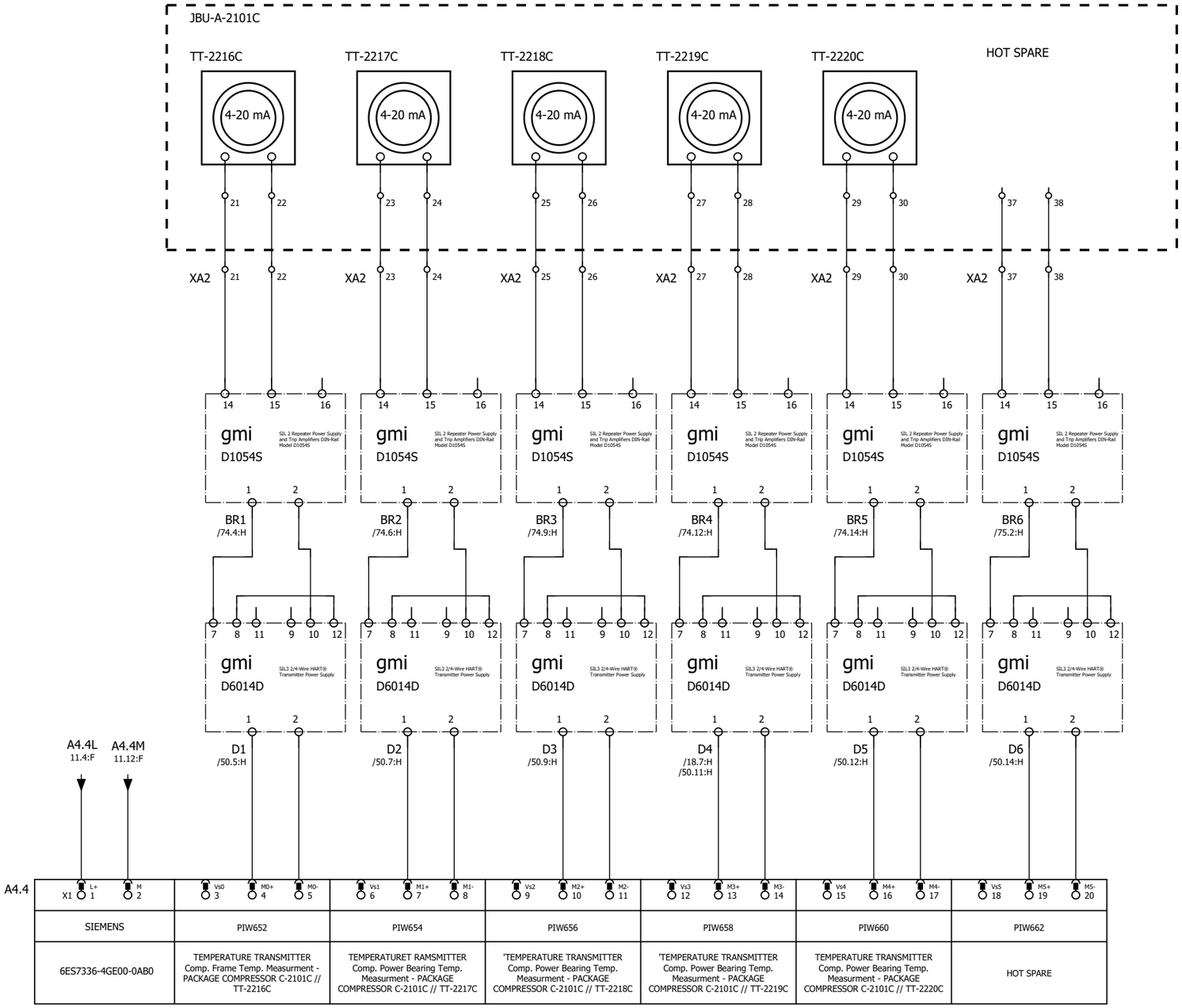
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE:
PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	206 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654	PIW656
6ES7336-4GE00-0AB0	TEMPERATURE TRANSMITTER Comp. Frame Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2216C	TEMPERATURET RAMSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2217C	'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2218C

SIEMENS	PIW658	PIW660	PIW662
6ES7336-4GE00-0AB0	'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2219C	TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2220C	HOT SPARE

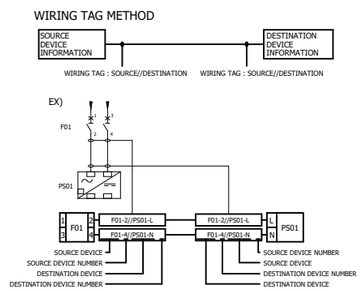
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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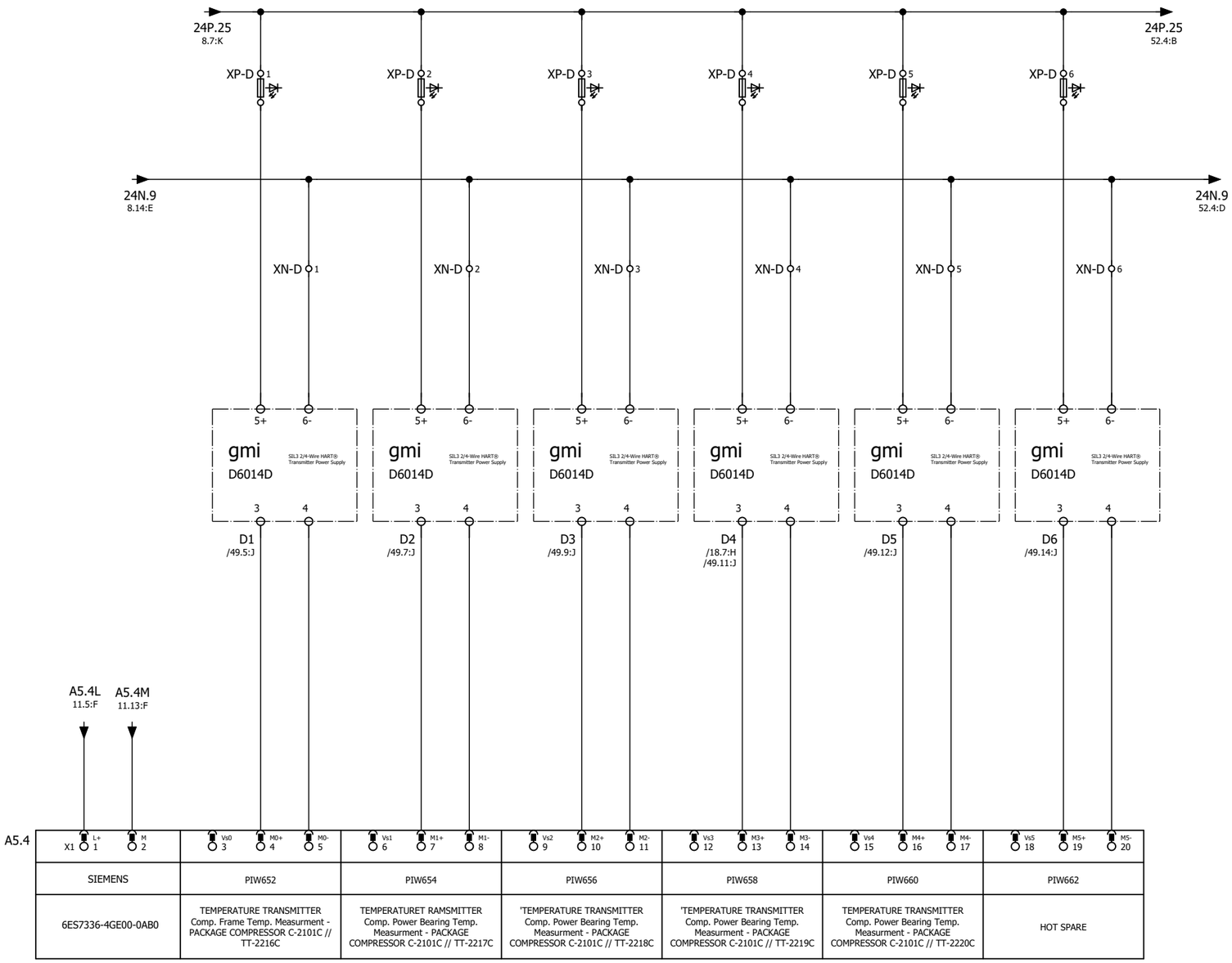
KwangShin

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	207 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654	PIW656
6ES7336-4GE00-0AB0	TEMPERATURE TRANSMITTER Comp. Frame Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2216C	TEMPERATURET RAMSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2217C	'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2218C

PIW658	PIW660	PIW662
'TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2219C	TEMPERATURE TRANSMITTER Comp. Power Bearing Temp. Measurment - PACKAGE COMPRESSOR C-2101C // TT-2220C	HOT SPARE

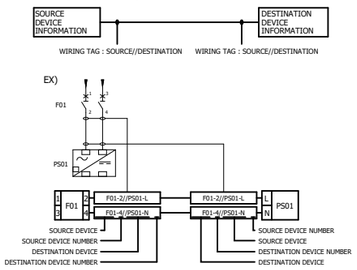
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	*******	*******	*******	*******	*******

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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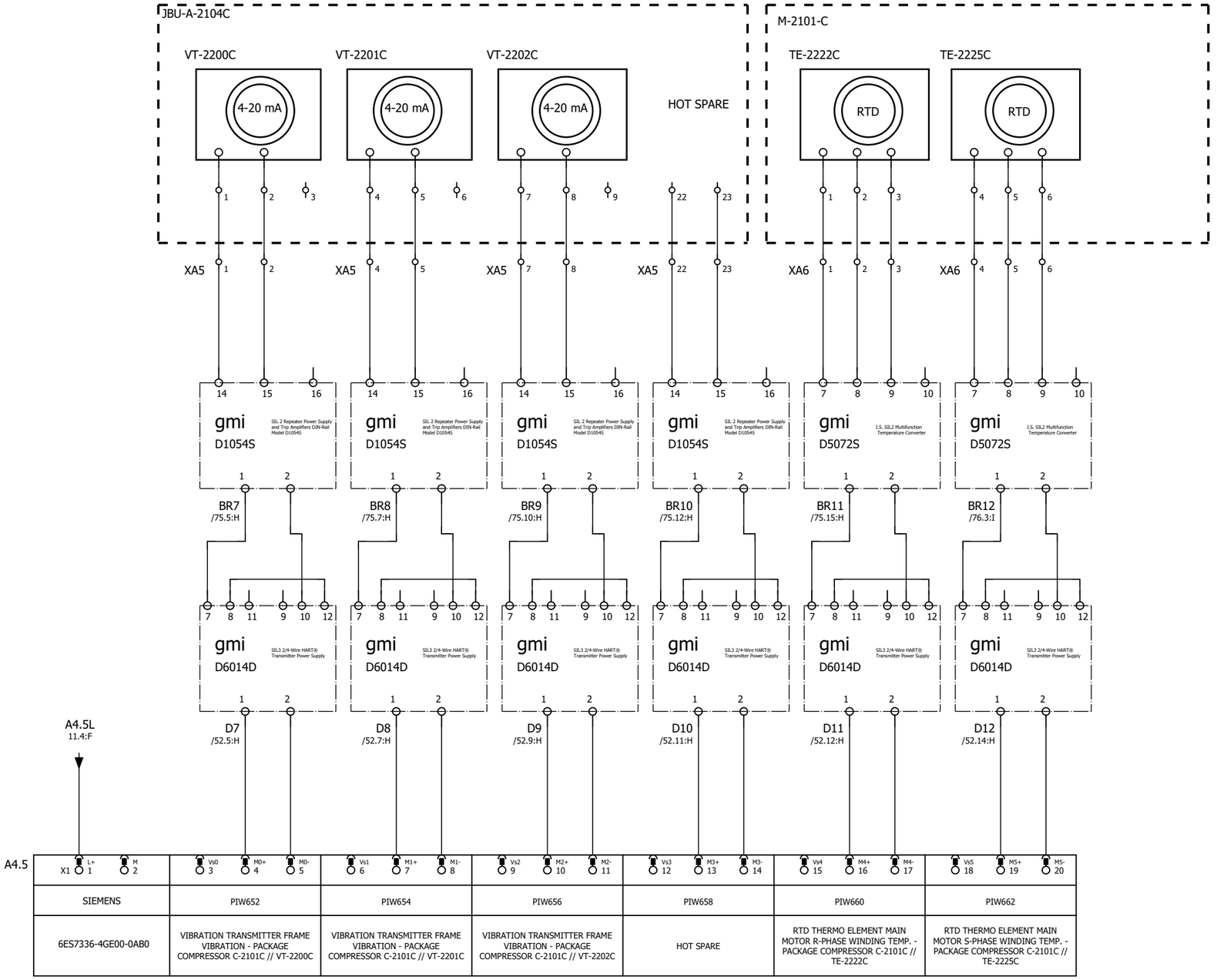
HAVAYAR

KwangShin Dependable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	208 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654
6ES7336-4GE00-0AB0	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101C // VT-2200C	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101C // VT-2201C

PIW656	PIW658
VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101C // VT-2202C	HOT SPARE

PIW660	PIW662
RTD THERMO ELEMENT MAIN MOTOR R-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101C // TE-2222C	RTD THERMO ELEMENT MAIN MOTOR S-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101C // TE-2225C

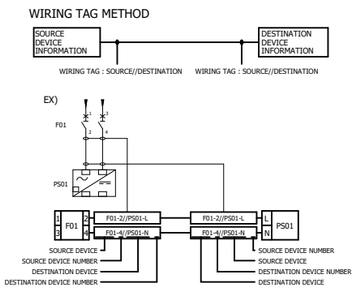
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

KEY PLAN

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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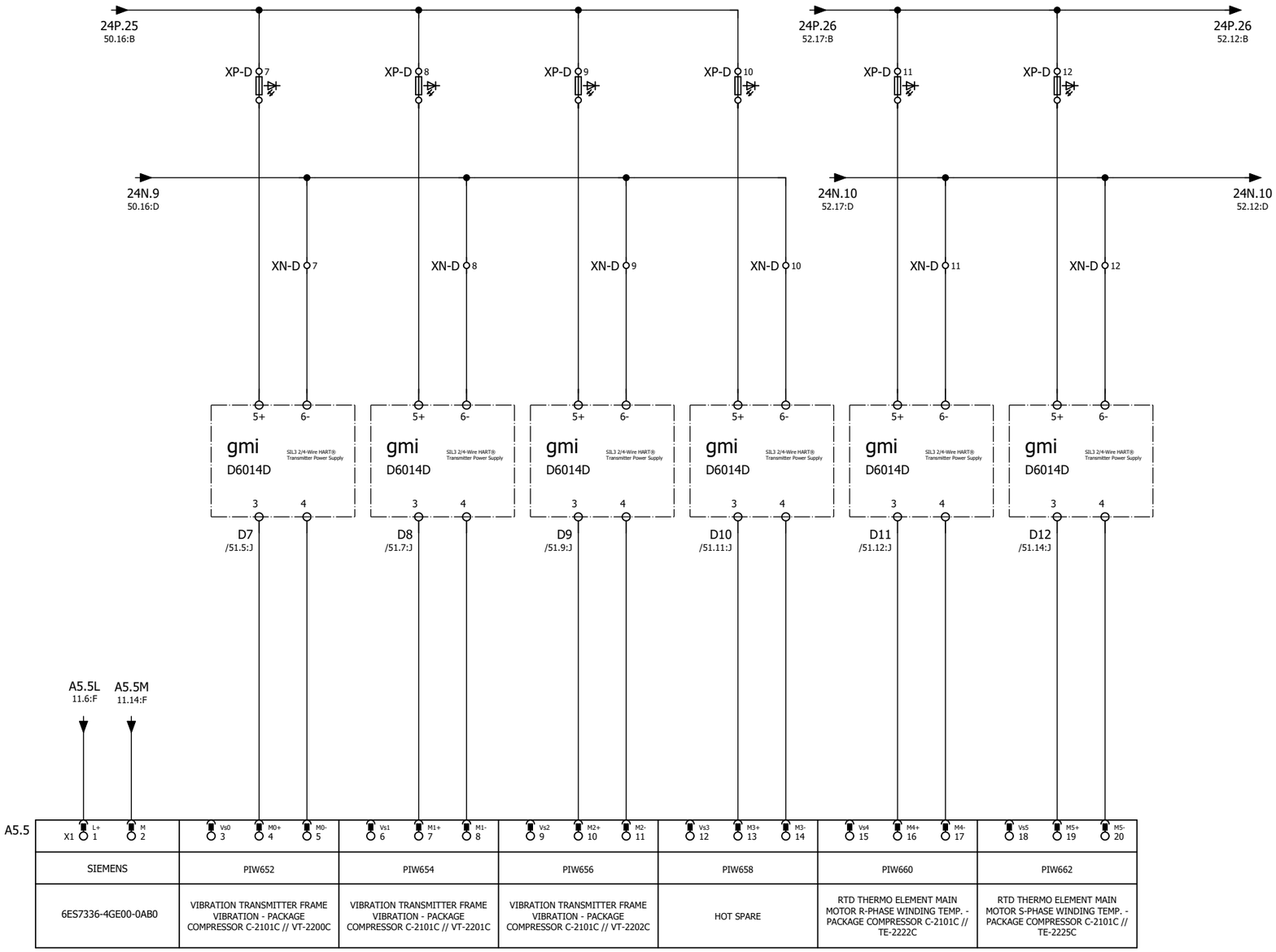
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	209 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



SIEMENS	PIW652	PIW654	PIW656	PIW658	PIW660	PIW662
6ES7336-4GE00-0AB0	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101C // VT-2200C	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101C // VT-2201C	VIBRATION TRANSMITTER FRAME VIBRATION - PACKAGE COMPRESSOR C-2101C // VT-2202C	HOT SPARE	RTD THERMO ELEMENT MAIN MOTOR R-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101C // TE-2222C	RTD THERMO ELEMENT MAIN MOTOR S-PHASE WINDING TEMP. - PACKAGE COMPRESSOR C-2101C // TE-2225C

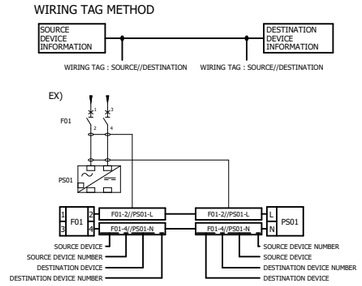
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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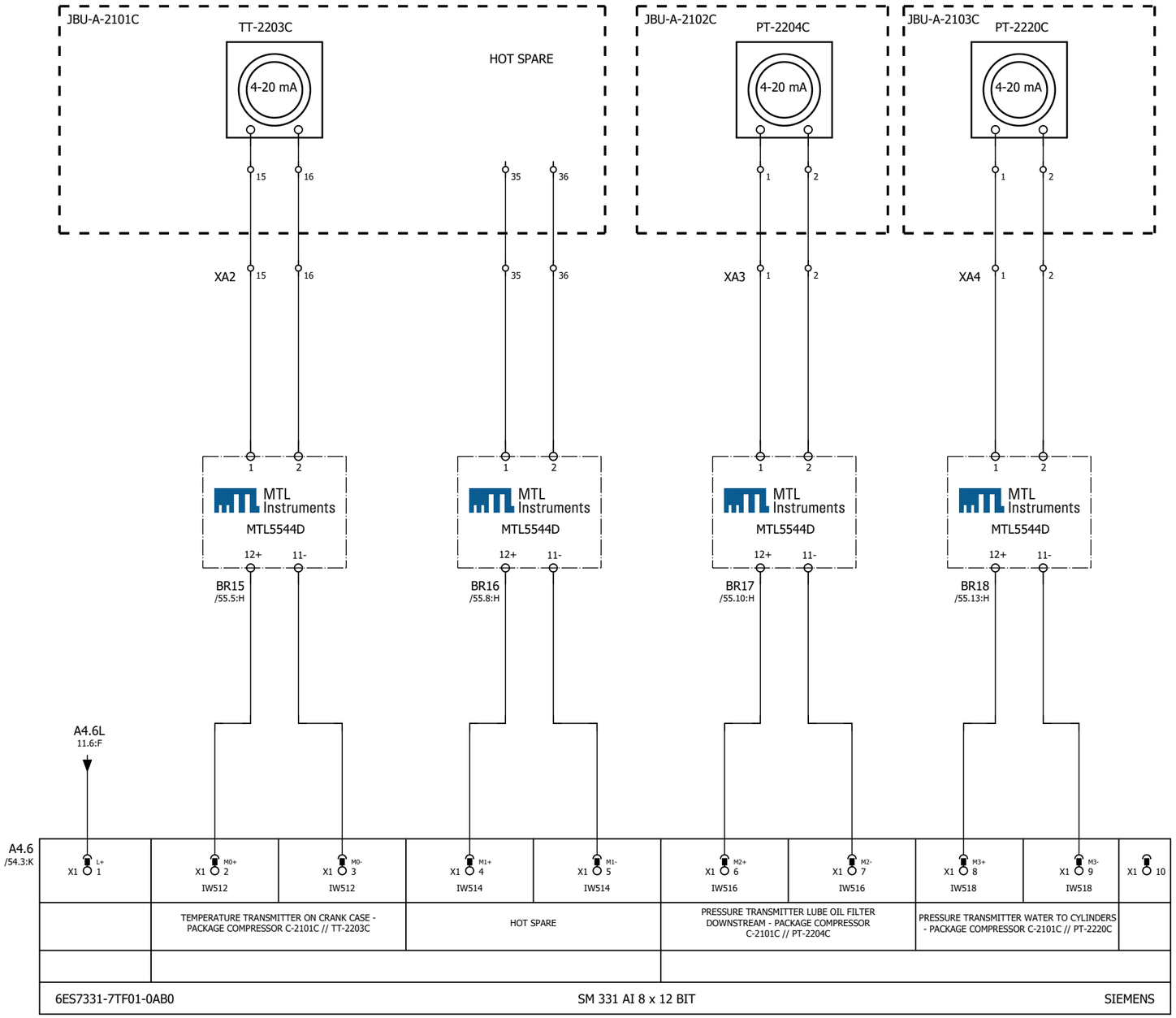
KwangShin Reputable Compressors

DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	210 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



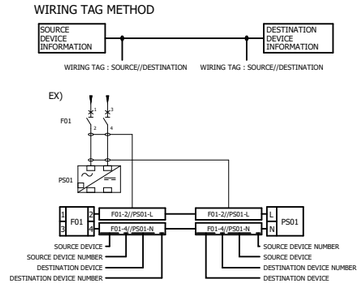
GENERAL NOTES

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EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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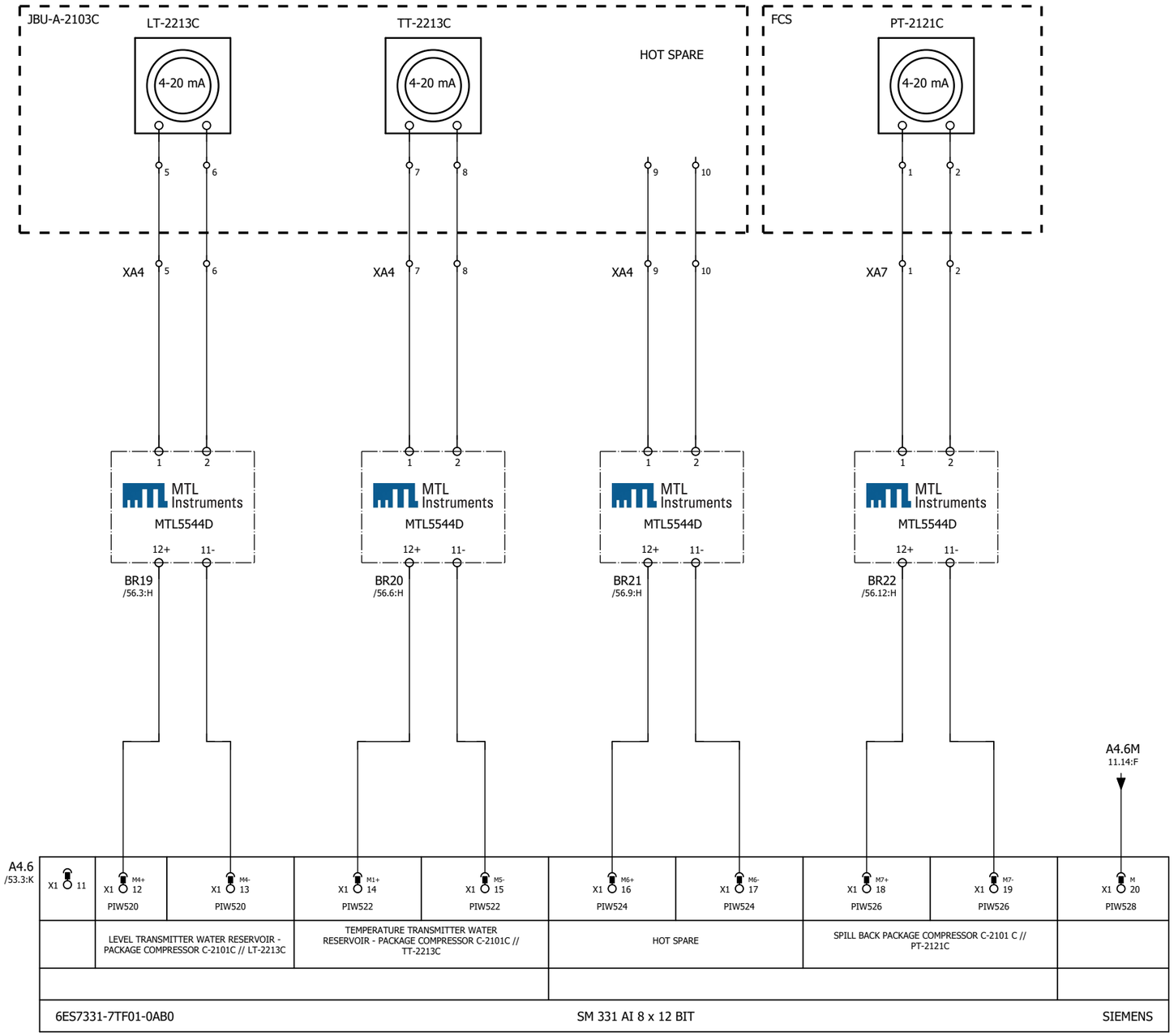
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	211 OF 335	00

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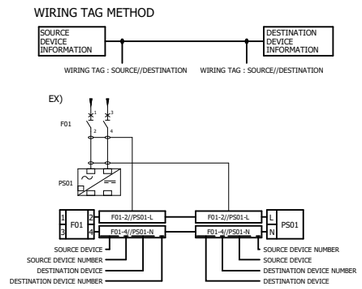
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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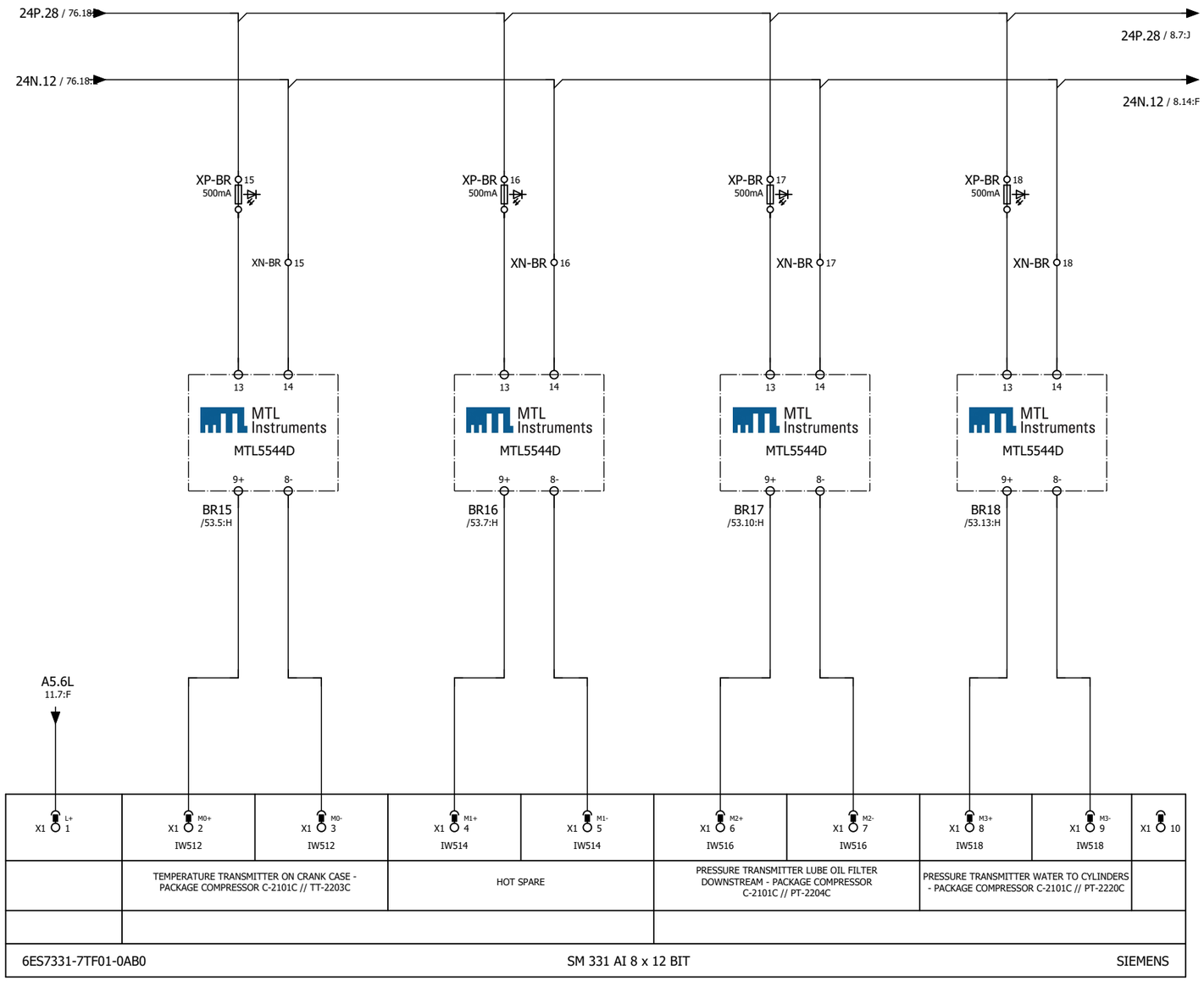
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KwangShin

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

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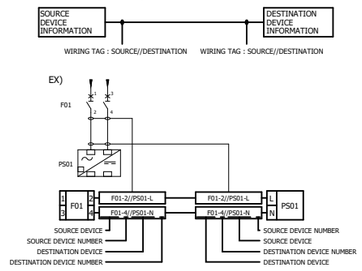
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SURFACE FACILITIES

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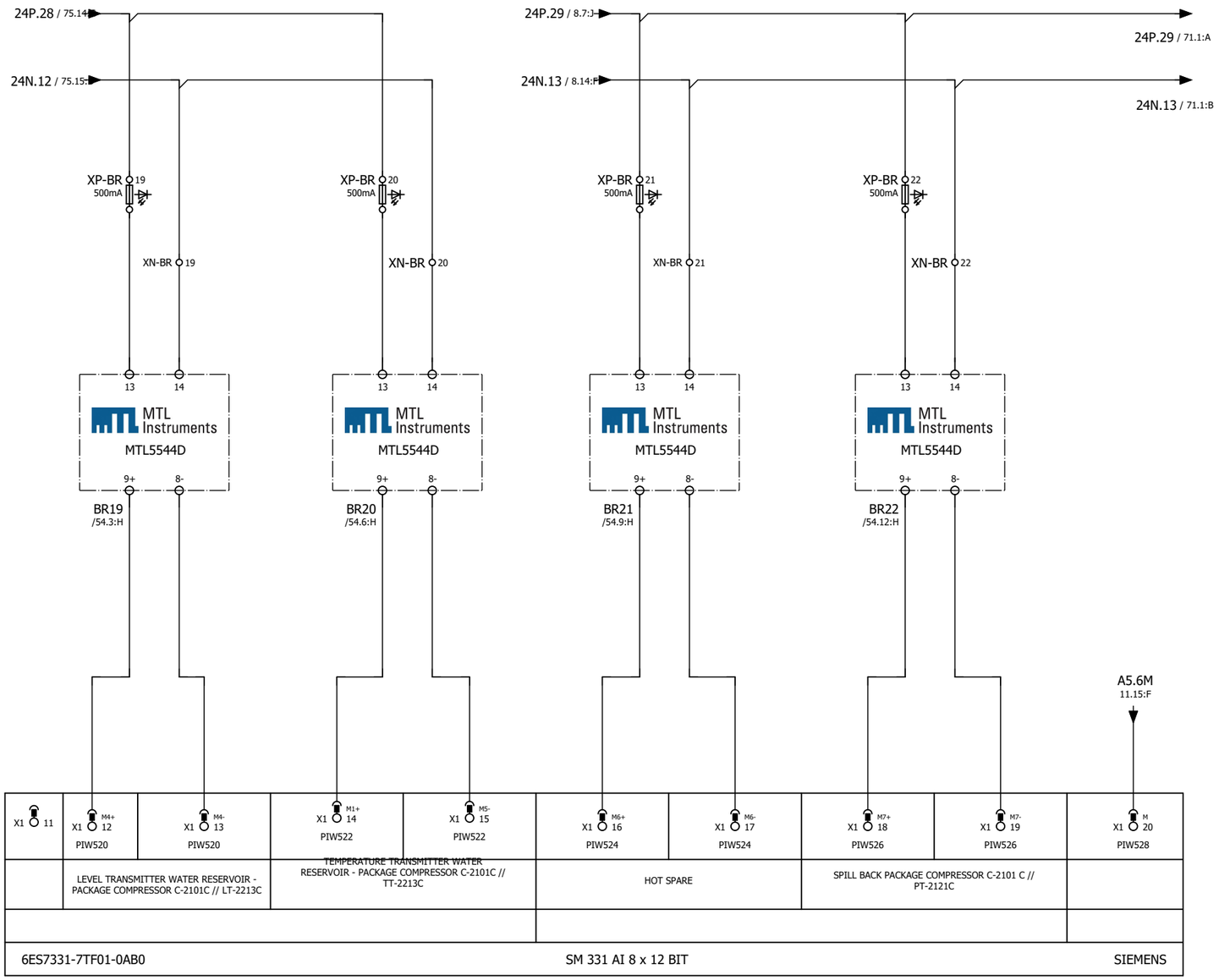
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	213 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



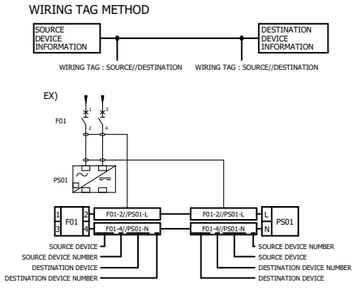
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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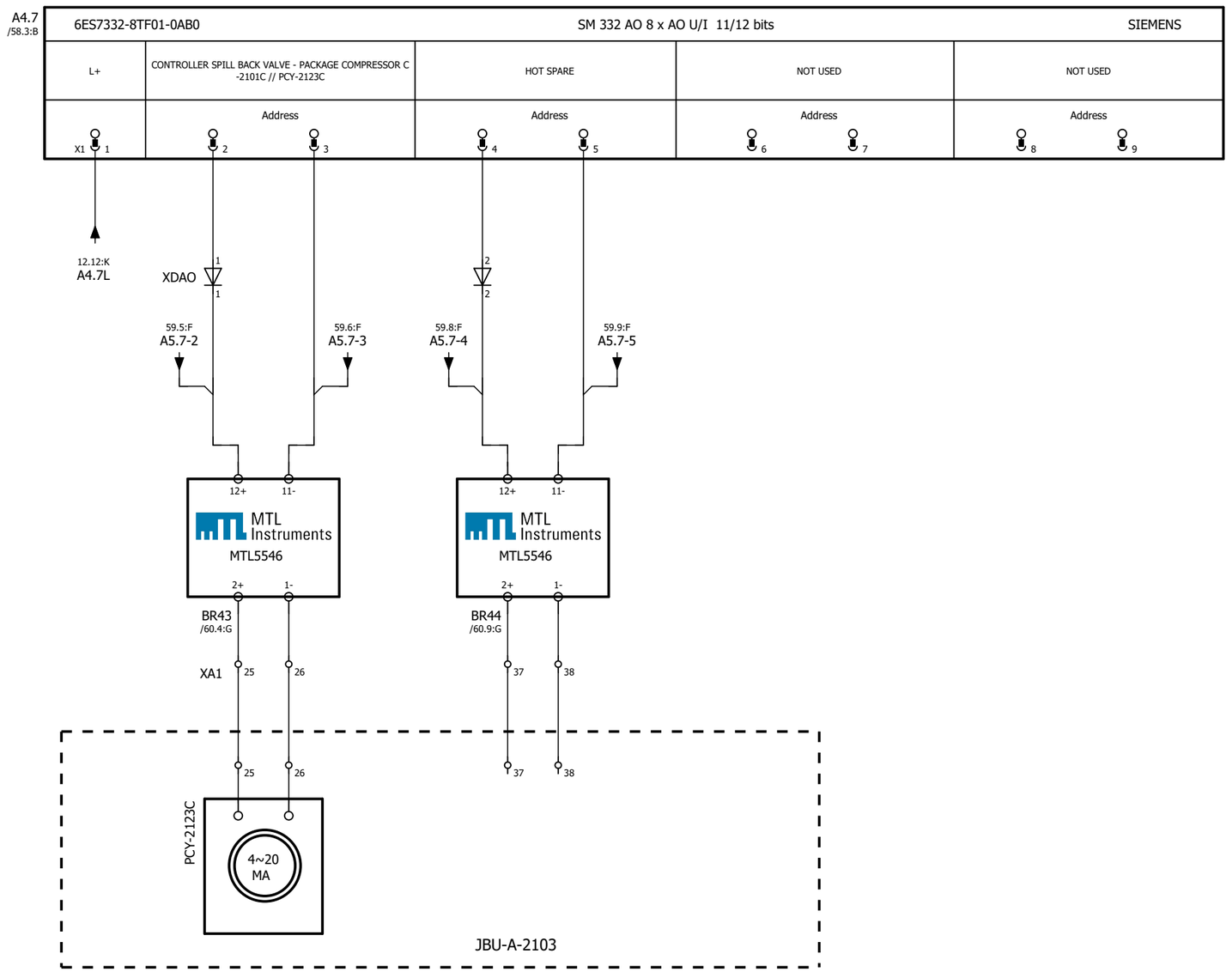
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	214 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



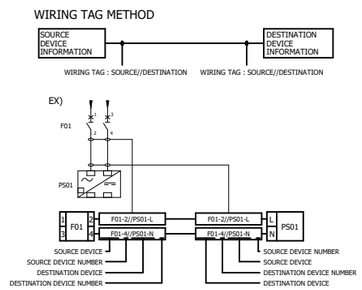
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	215 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

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/57.3:B

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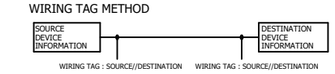
GENERAL NOTES

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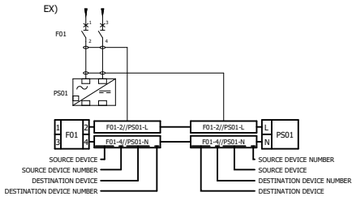
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

Rev.	DESCRIPTION	BY	DATE	BY	DATE
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BINAK OILFIELD DEVELOPMENT
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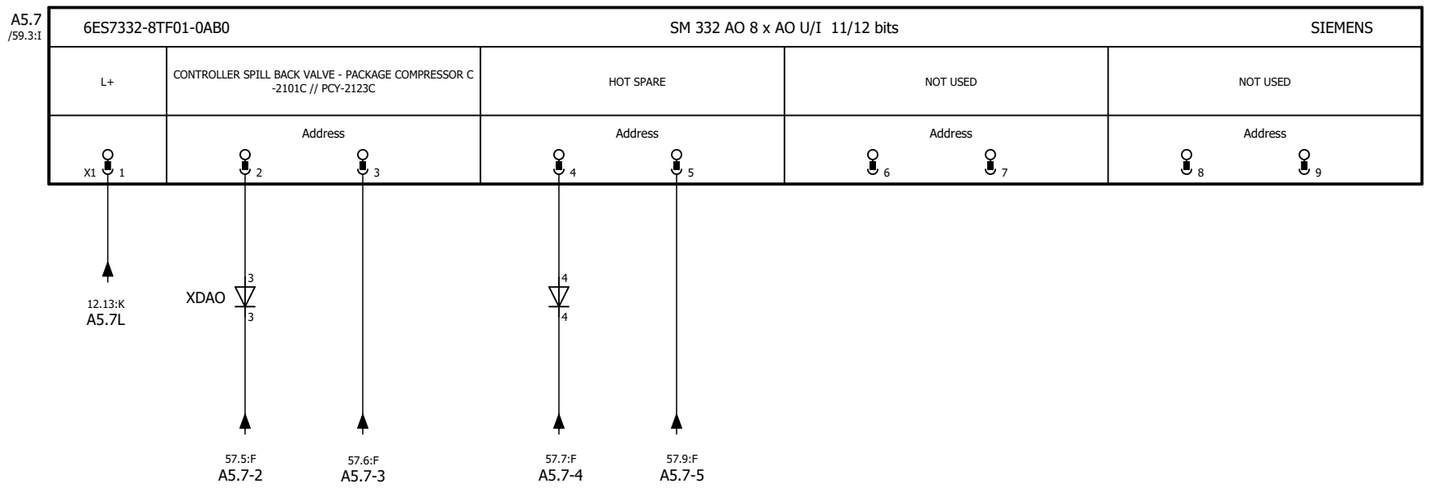
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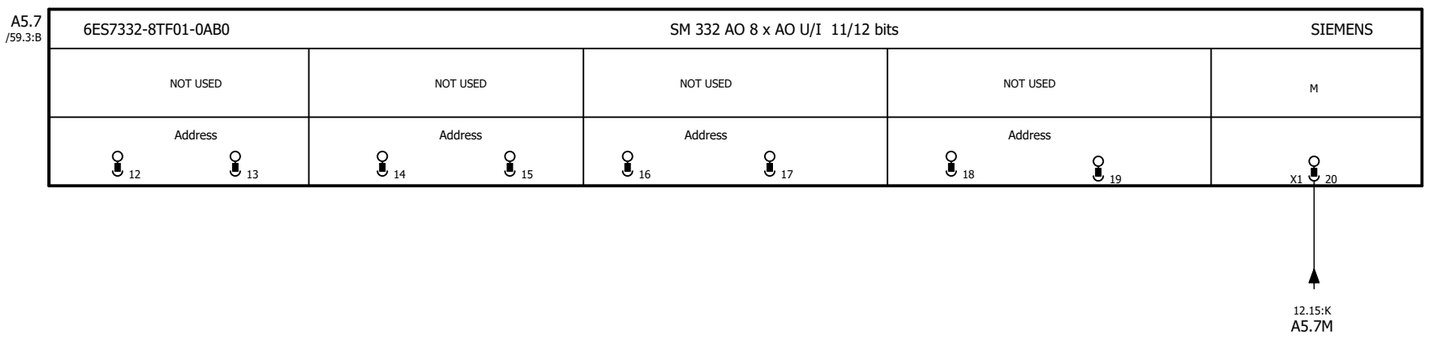
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PLC WIRING DIAGRAM & TERMINAL DETAILS

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION





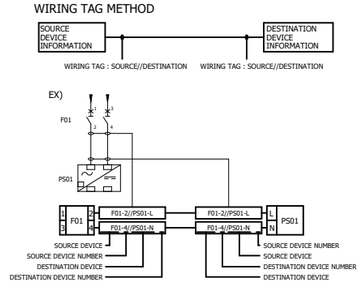
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.
V00	*******	*******	*******	*******	*******

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BINAK OILFIELD DEVELOPMENT
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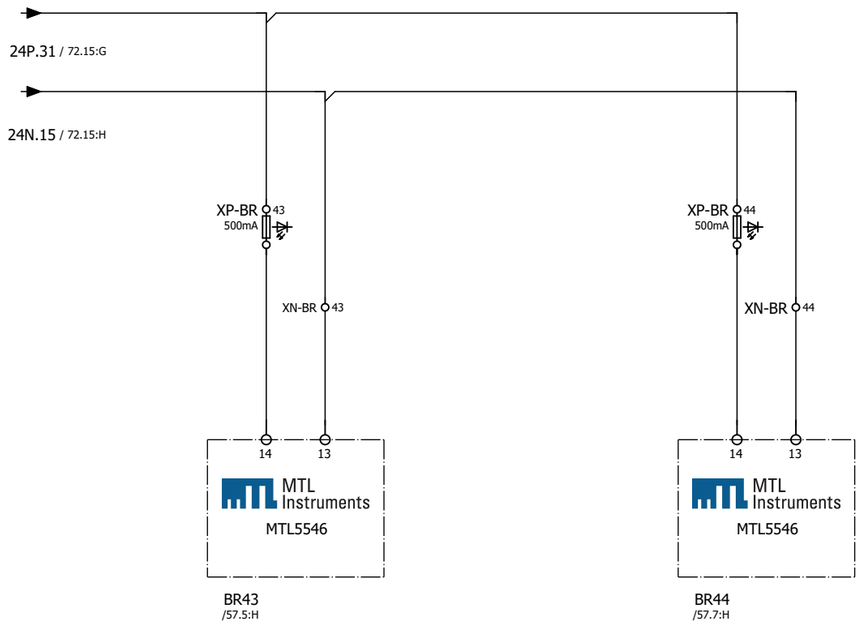
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	217 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



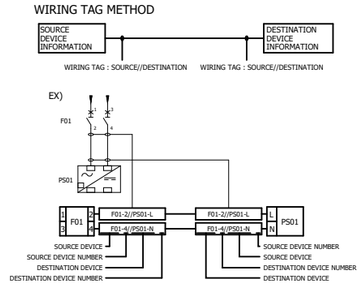
GENERAL NOTES

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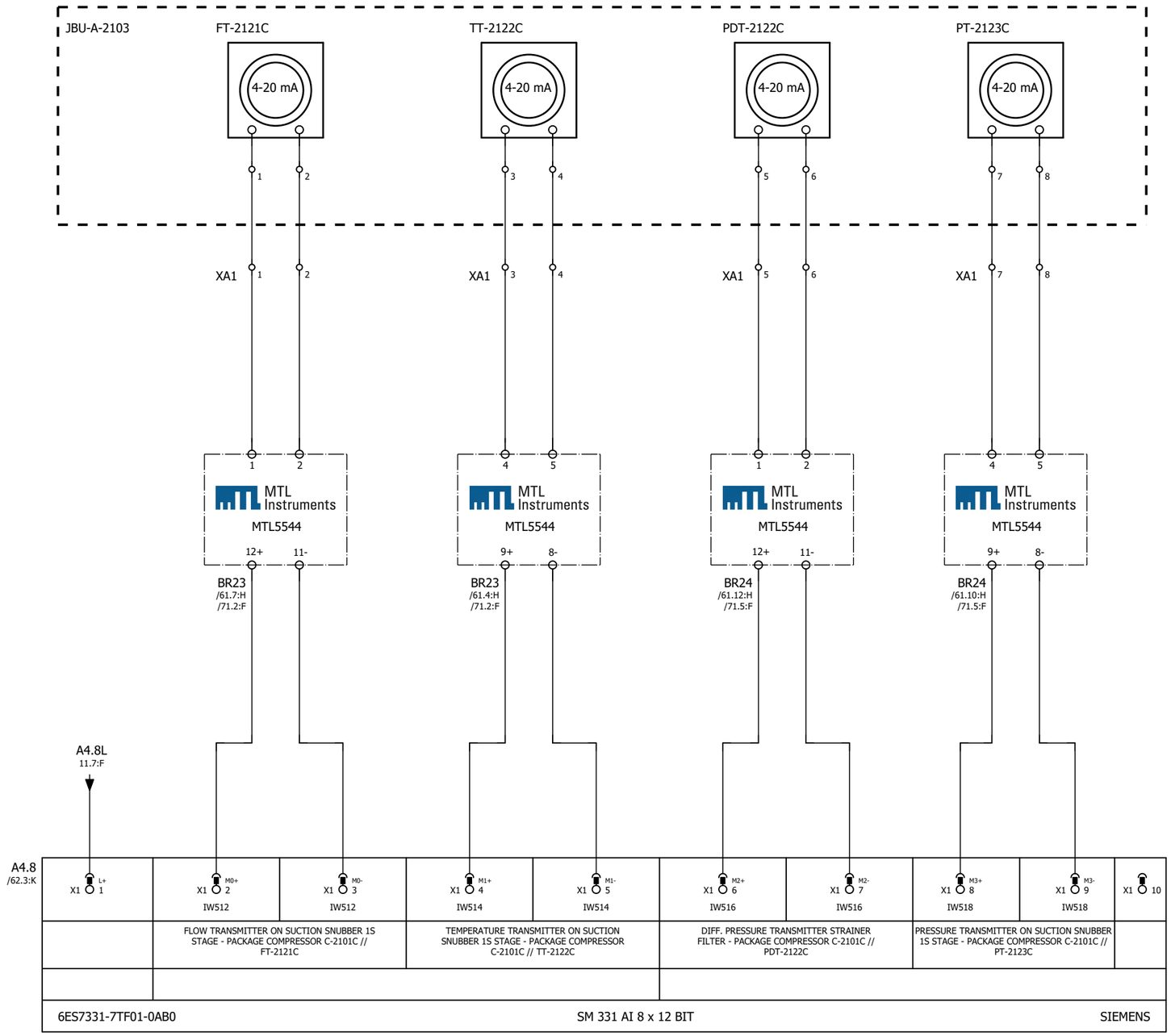
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	218 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



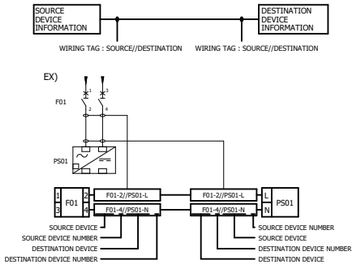
GENERAL NOTES

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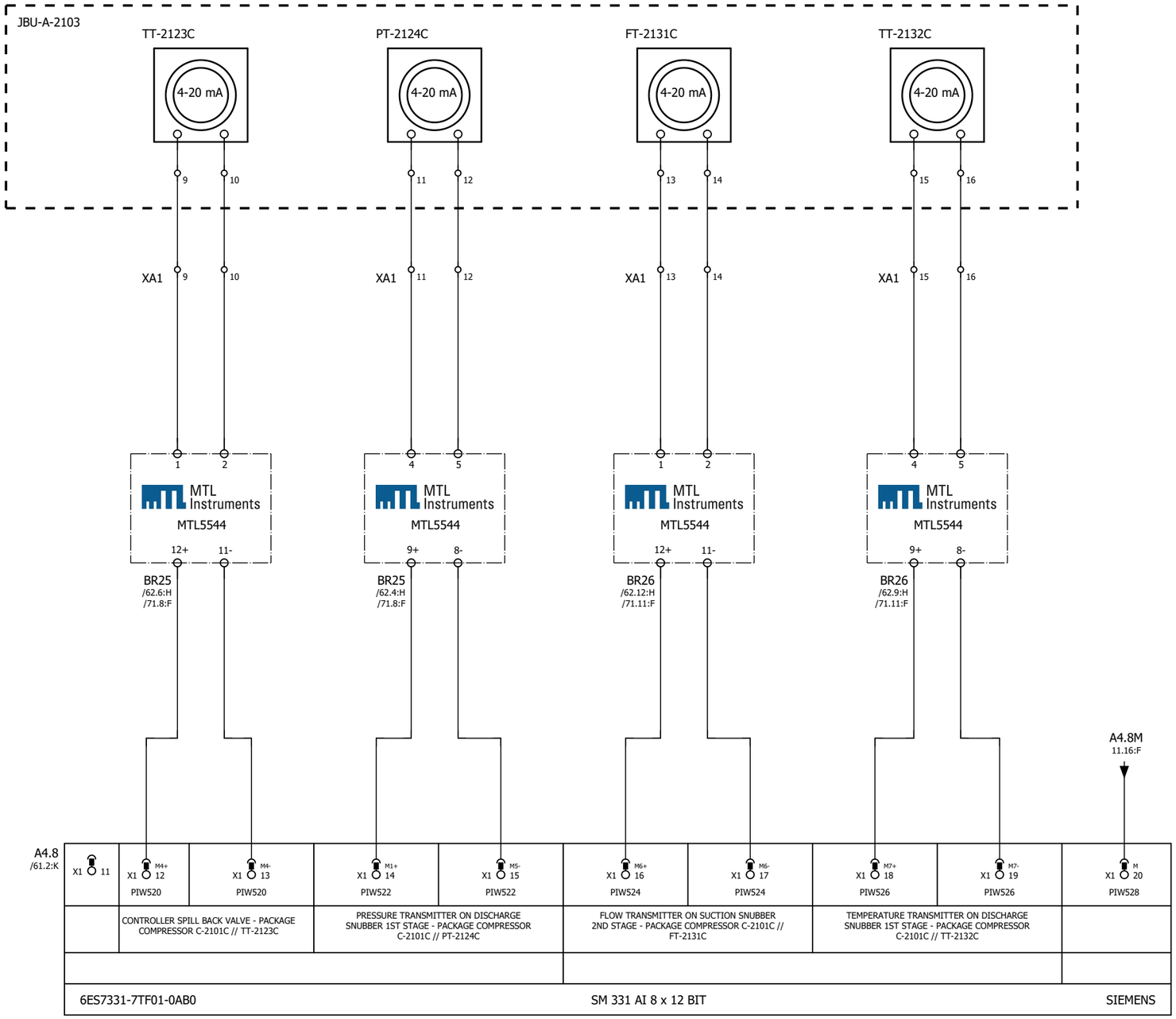
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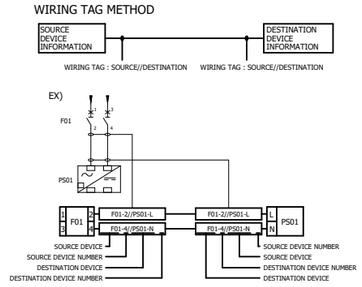
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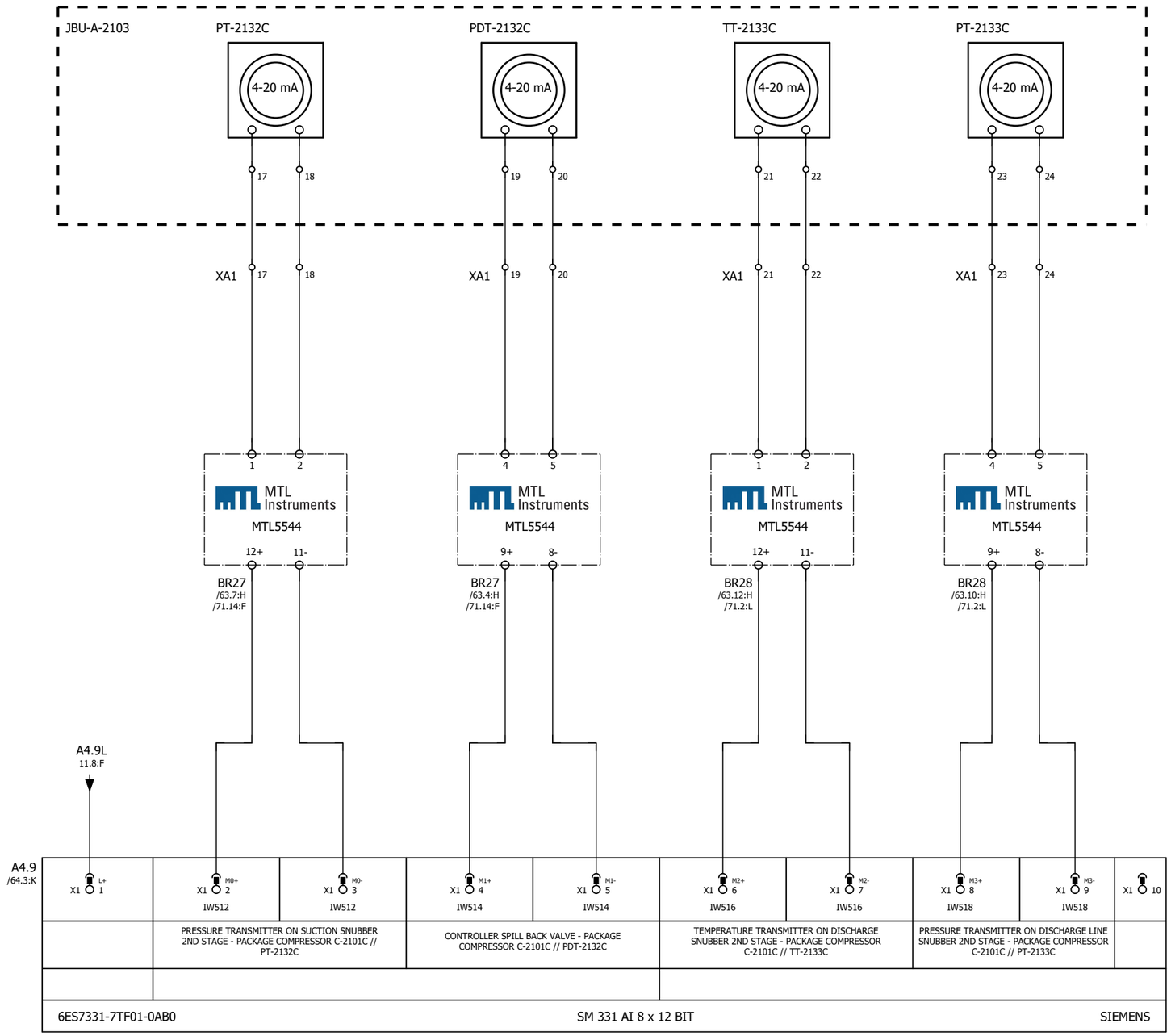
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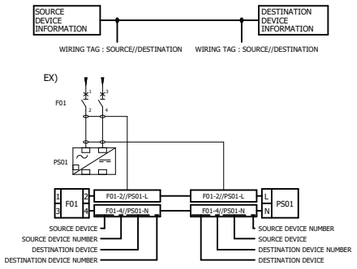
GENERAL NOTES

LEGEND

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KEY PLAN

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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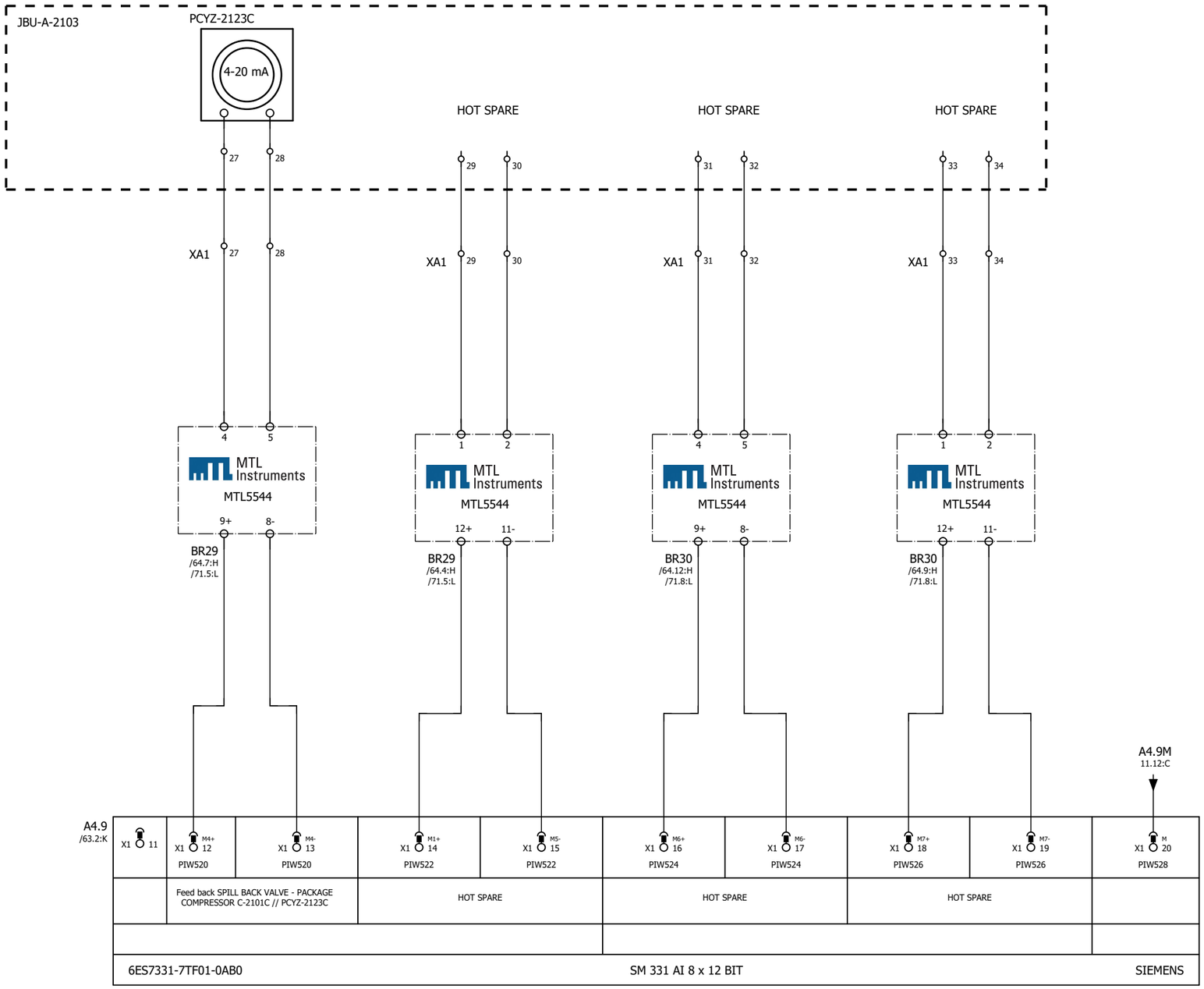
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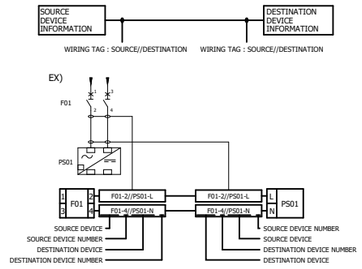
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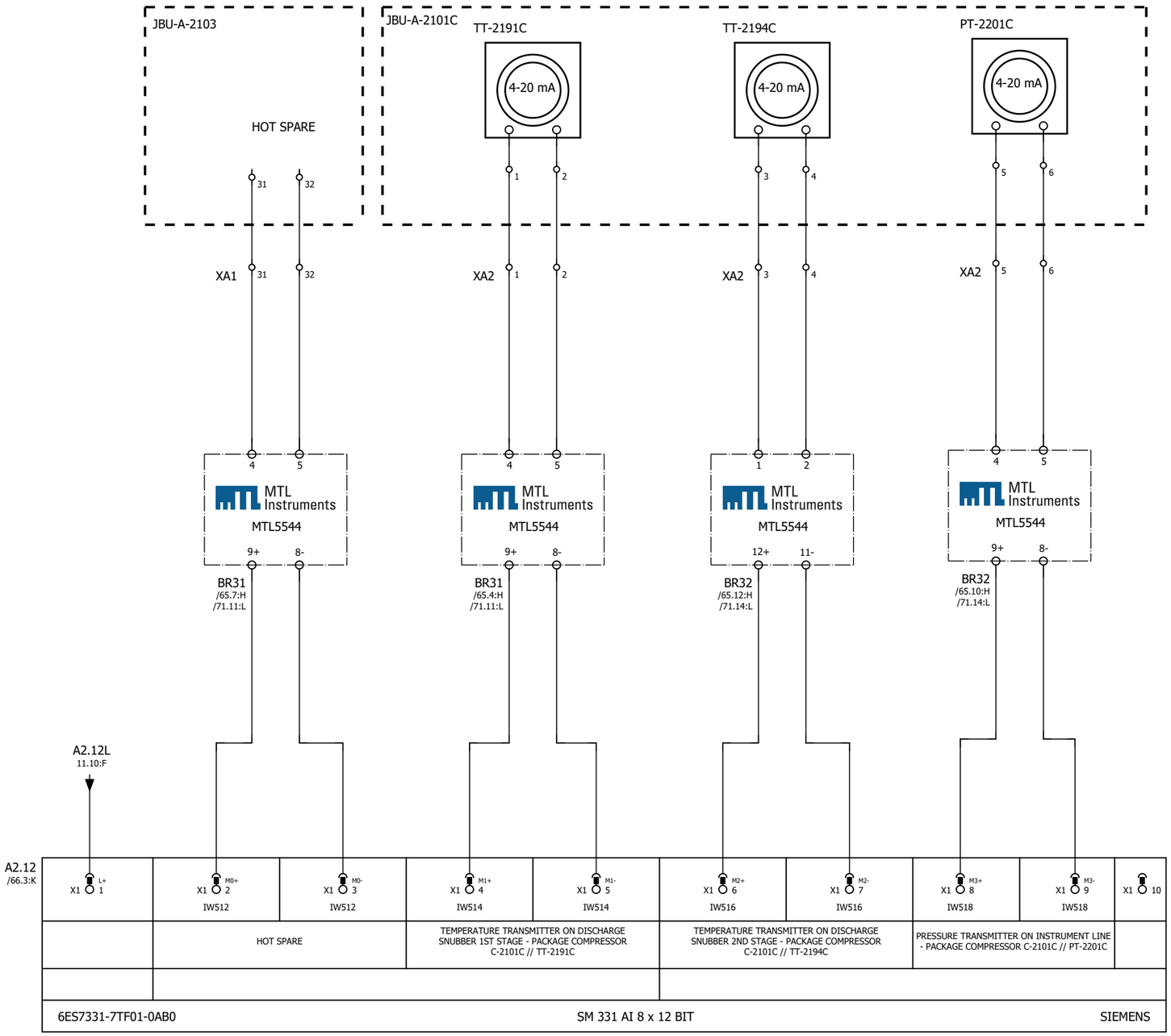
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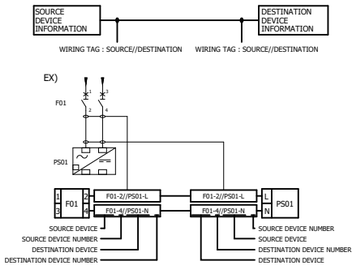
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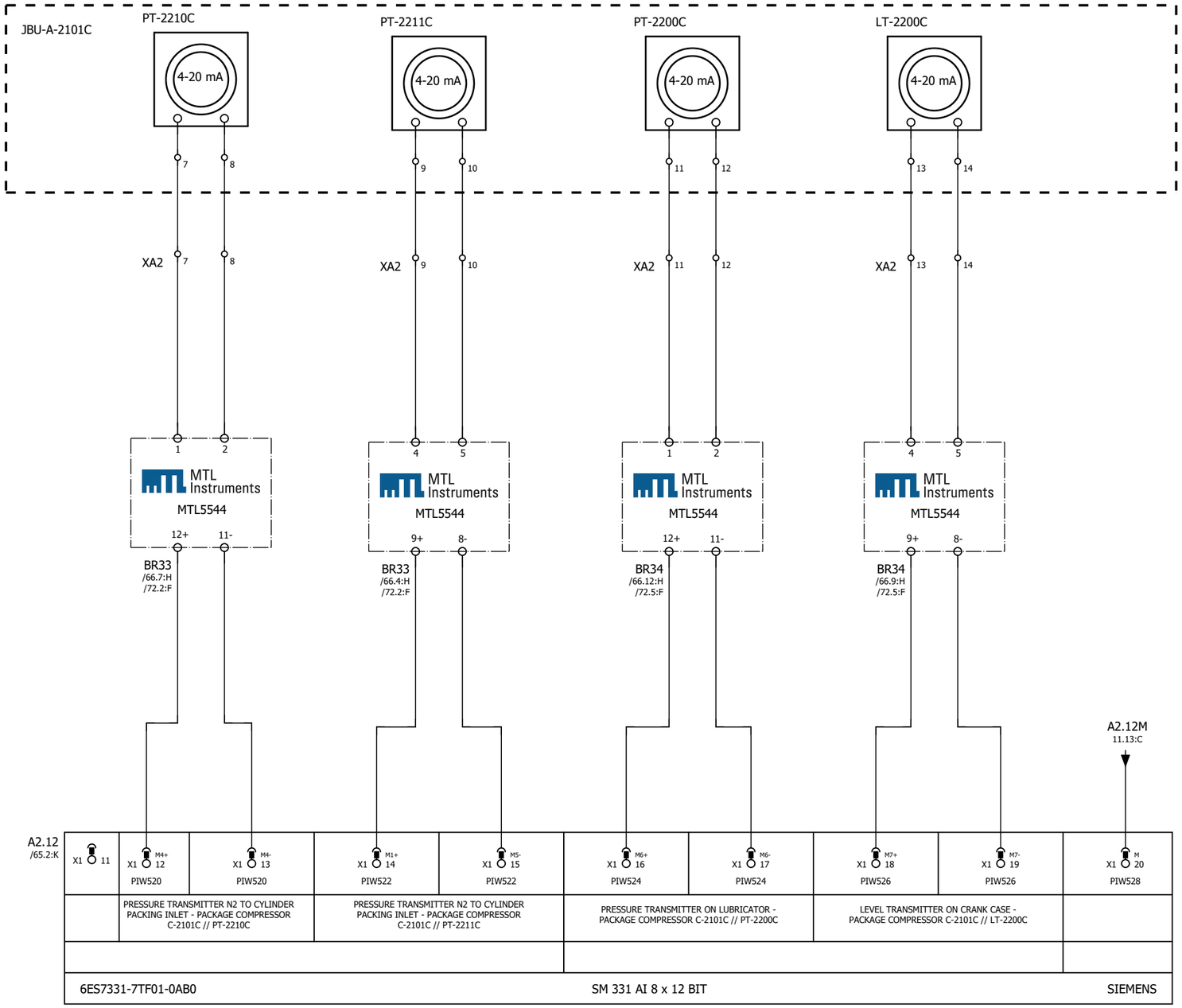
APPROVED FOR CONSTRUCTION | BY: | DATE:

HAVAYAR

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	223 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



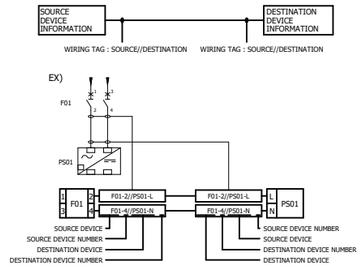
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
V03					
V02					
V01					
V00	*******	*******	*******	*******	*******

Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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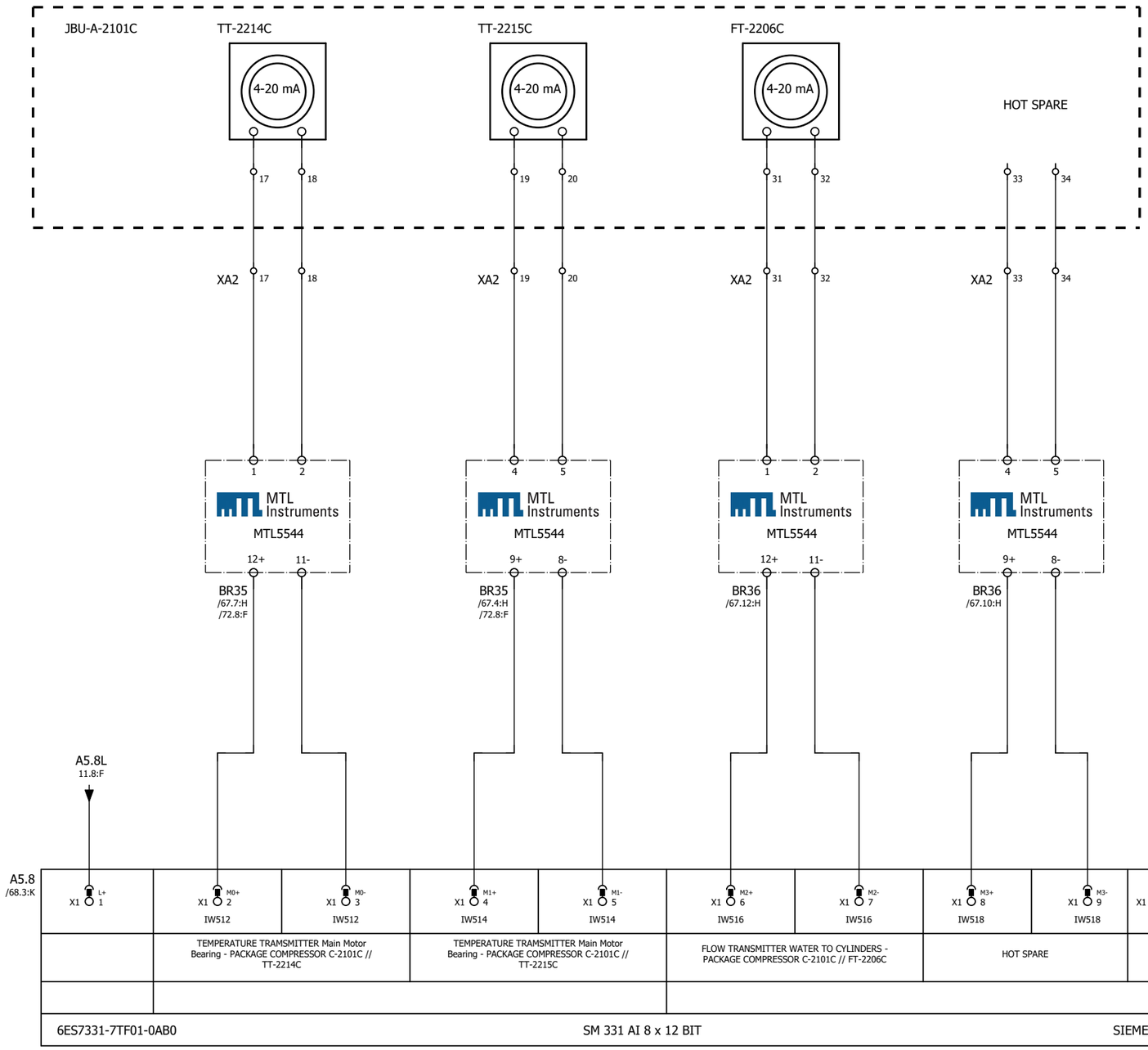
HAVAYAR

KwangShin Reputable Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	224 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



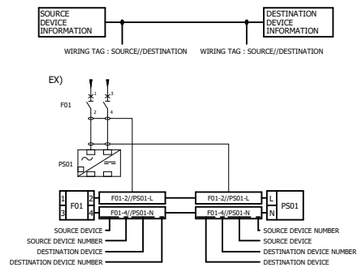
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
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V00	*******	*******	*******	*******	*******

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SURFACE FACILITIES

GAS COMPRESSOR STATION

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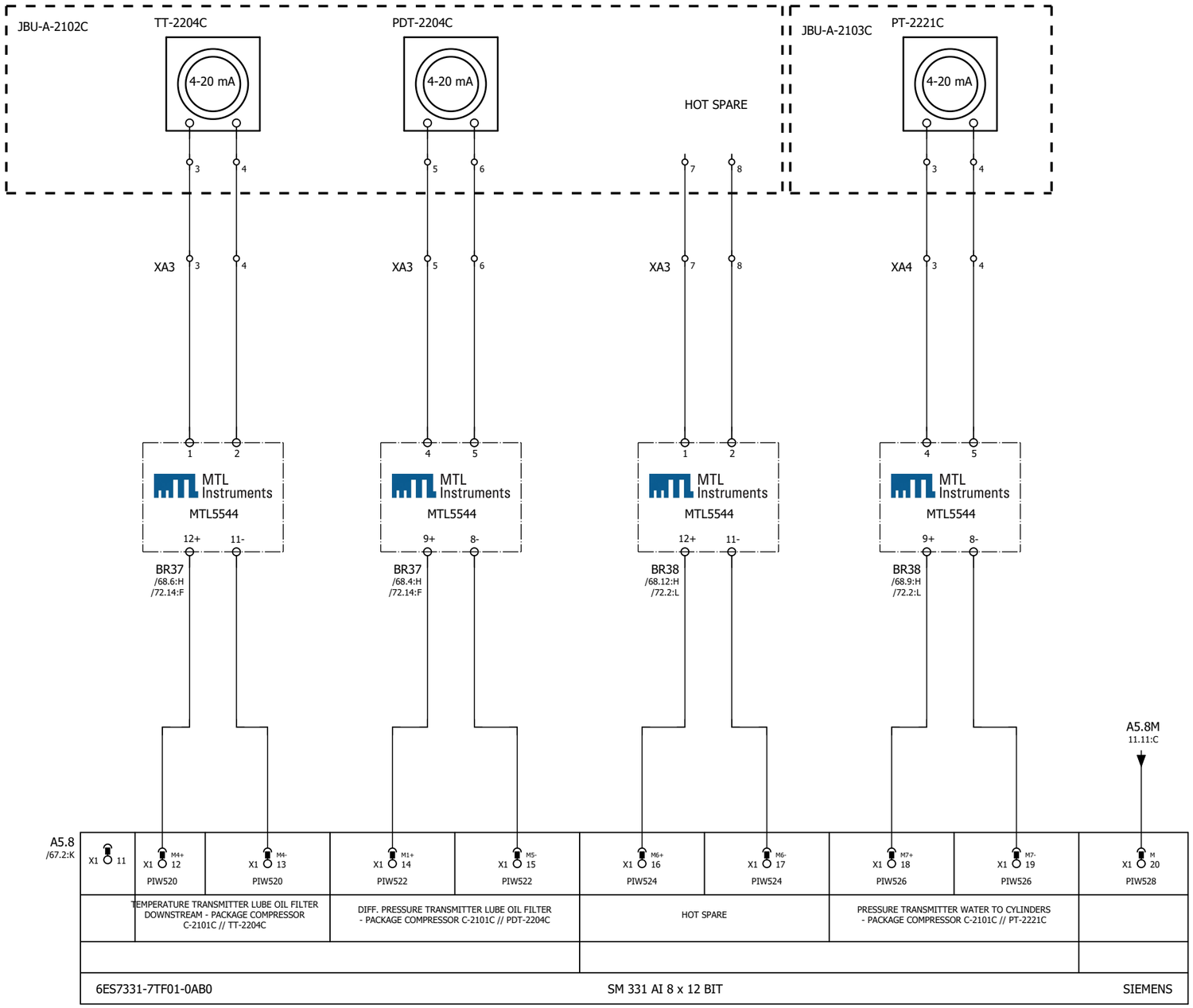
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	225 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



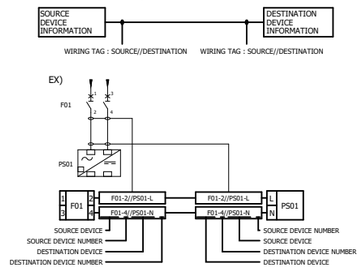
GENERAL NOTES

LEGEND

REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.

V00 ******* ******* ******* ******* *******

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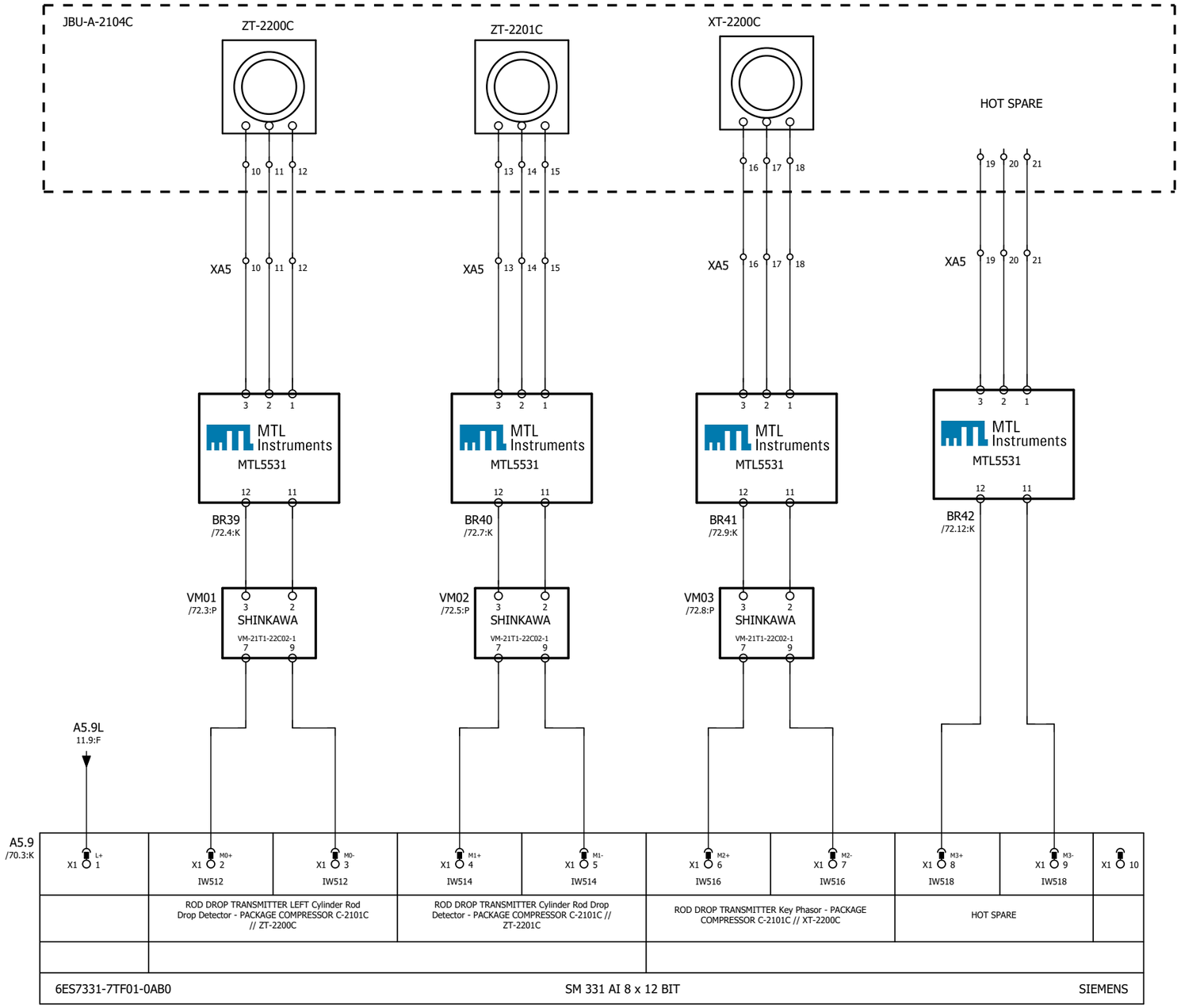
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	226 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



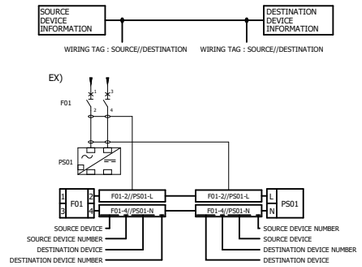
GENERAL NOTES

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KEY PLAN

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DRAWING TITLE:

PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	227 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

A5.9M
11.13:C

A5.9 /69.2:K									
X1 11	X1 M4+ 12	X1 M4- 13	X1 M1+ 14	X1 M5- 15	X1 M6+ 16	X1 M6- 17	X1 M7+ 18	X1 M7- 19	X1 M 20
	PIW520	PIW520	PIW522	PIW522	PIW524	PIW524	PIW526	PIW526	PIW528
	NOT USED		NOT USED		NOT USED		NOT USED		
6ES7331-7TF01-0AB0			SM 331 AI 8 x 12 BIT						SIEMENS

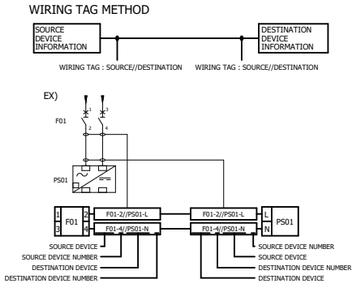
GENERAL NOTES

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GAS COMPRESSOR STATION

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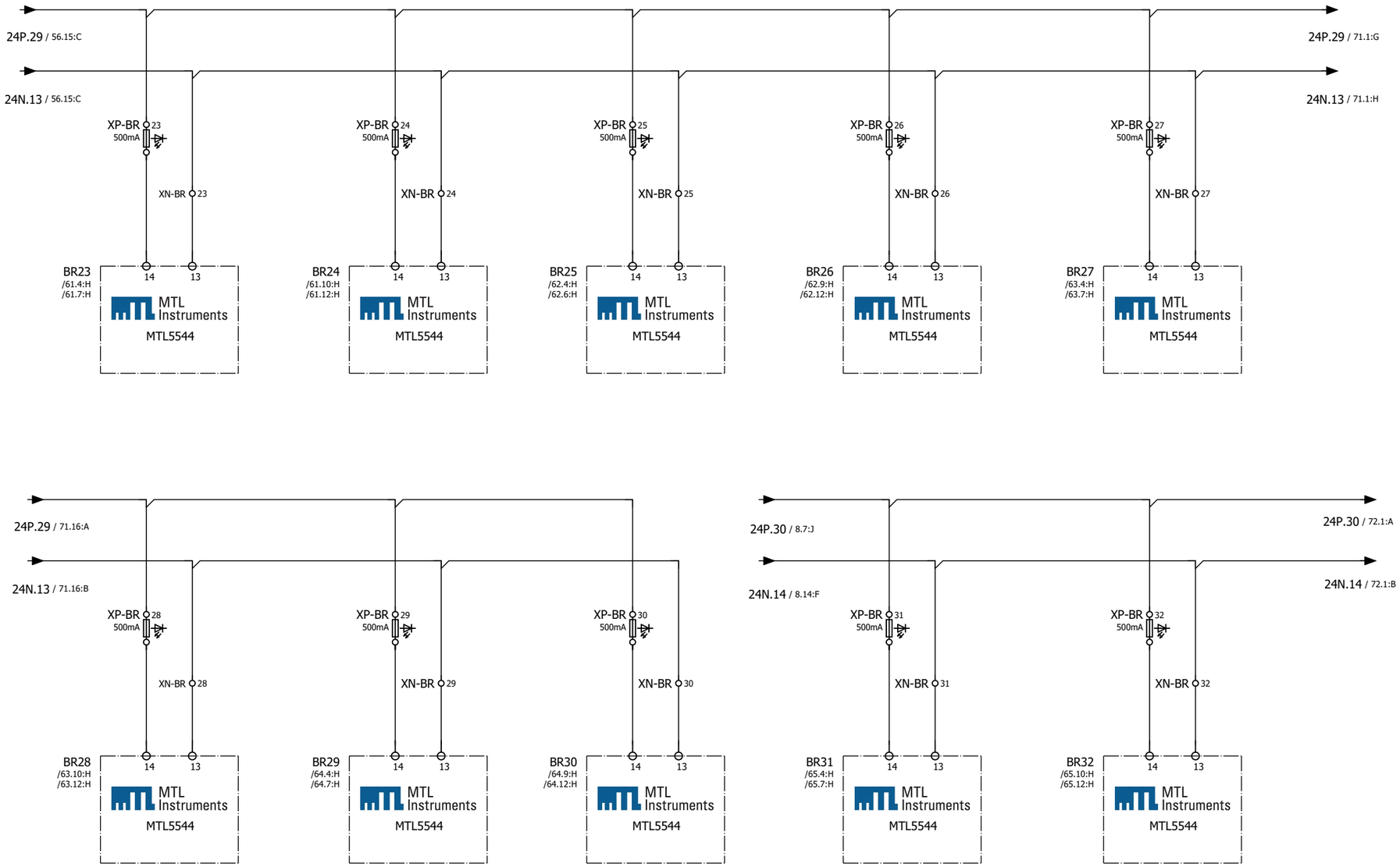
HAVAYAR

KwangShin Reciprocating Compressors

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	228 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



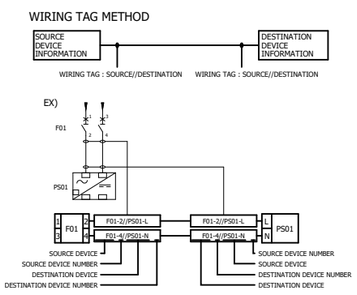
GENERAL NOTES

LEGEND

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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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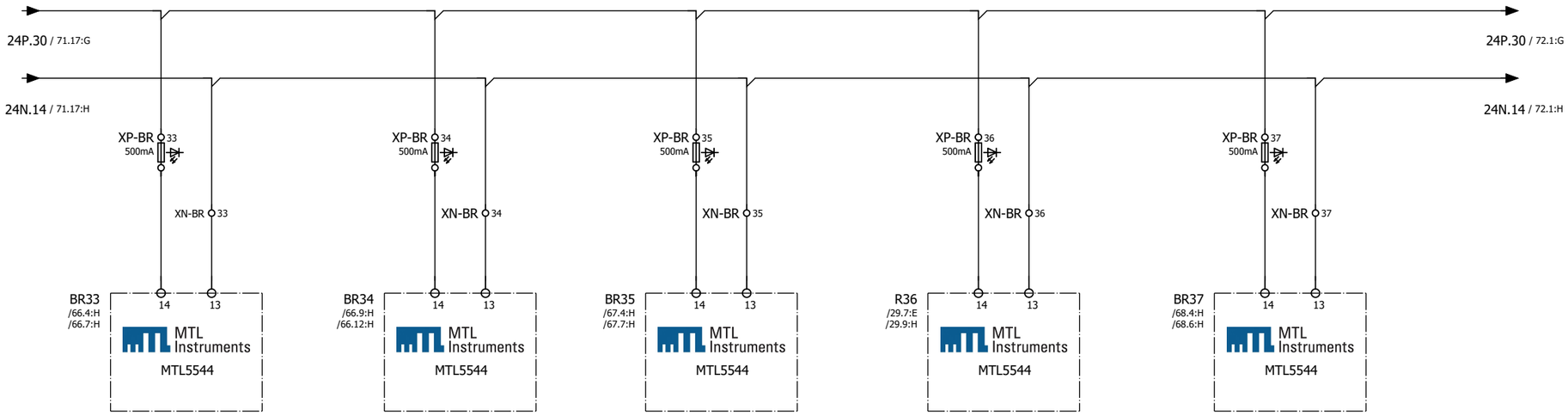
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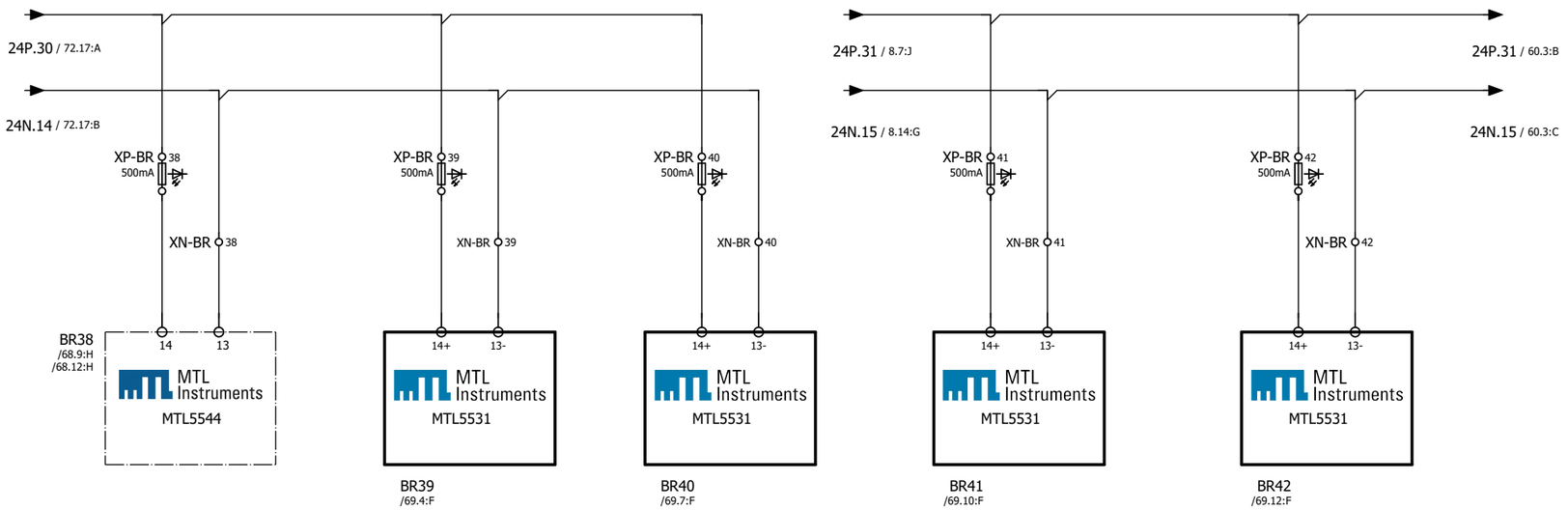
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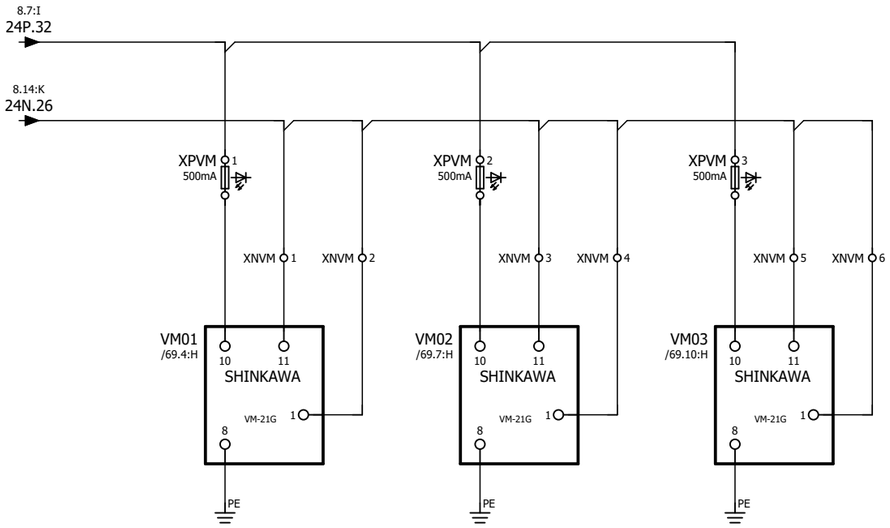
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	229 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION







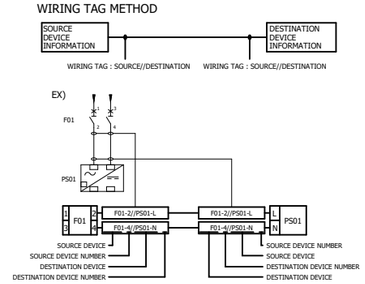
GENERAL NOTES

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

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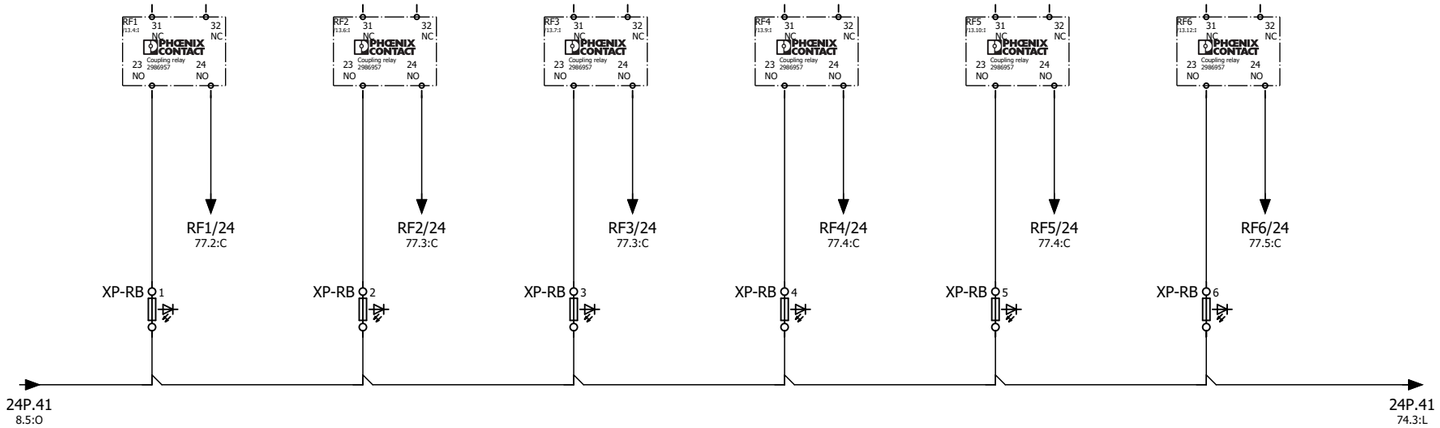
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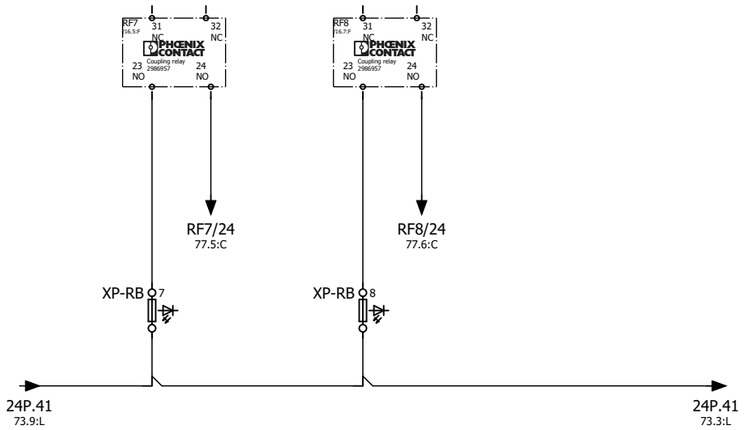
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	230 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

RELAY ESD





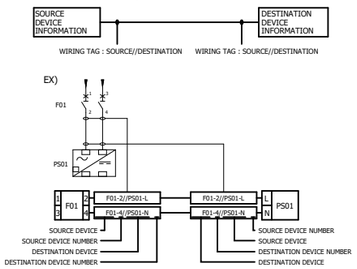
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

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Rev.	DESCRIPTION	BY	DATE	BY	DATE
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V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan
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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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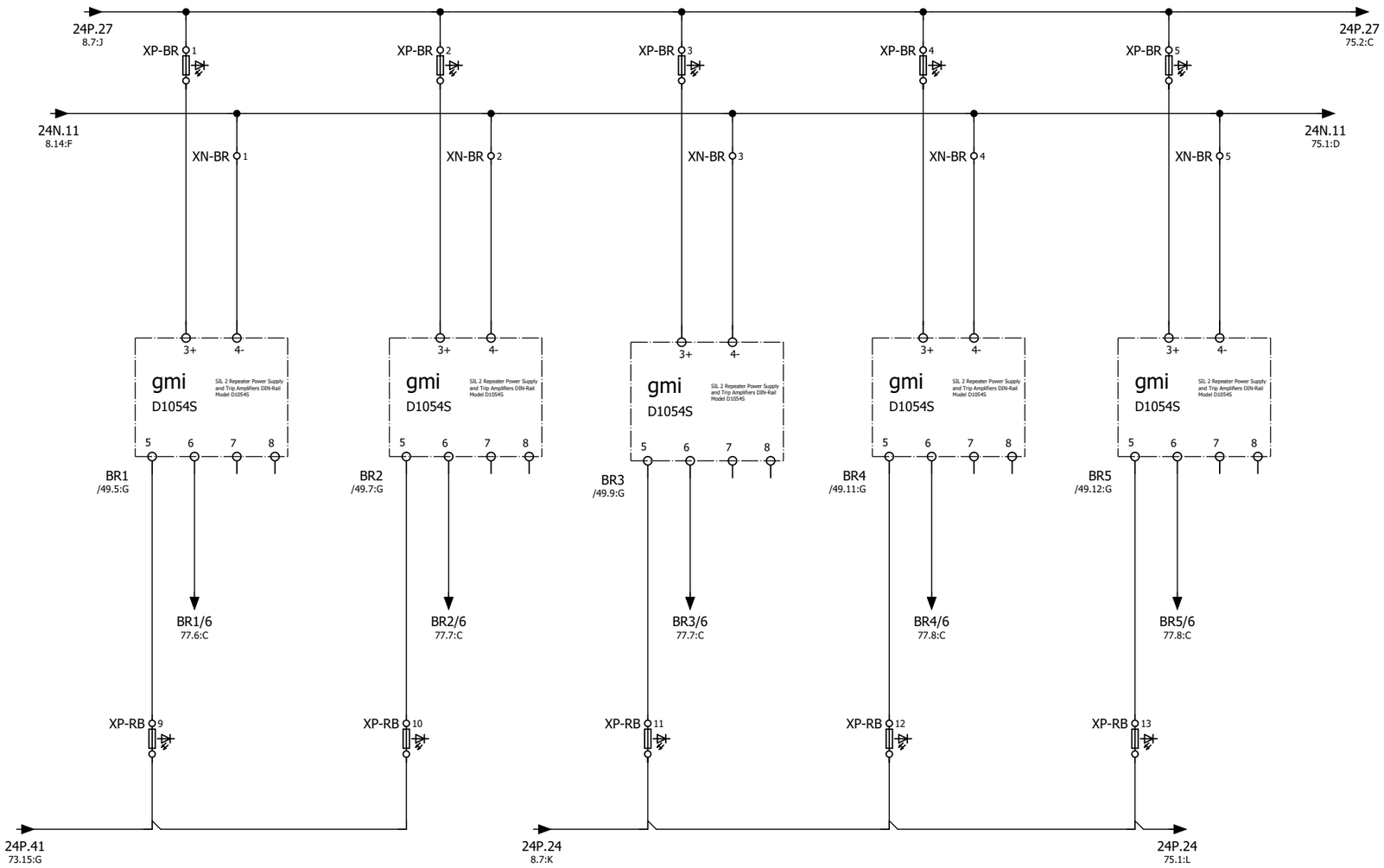
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	231 OF 335	00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



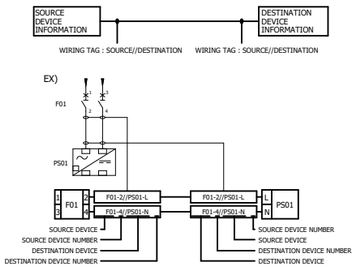
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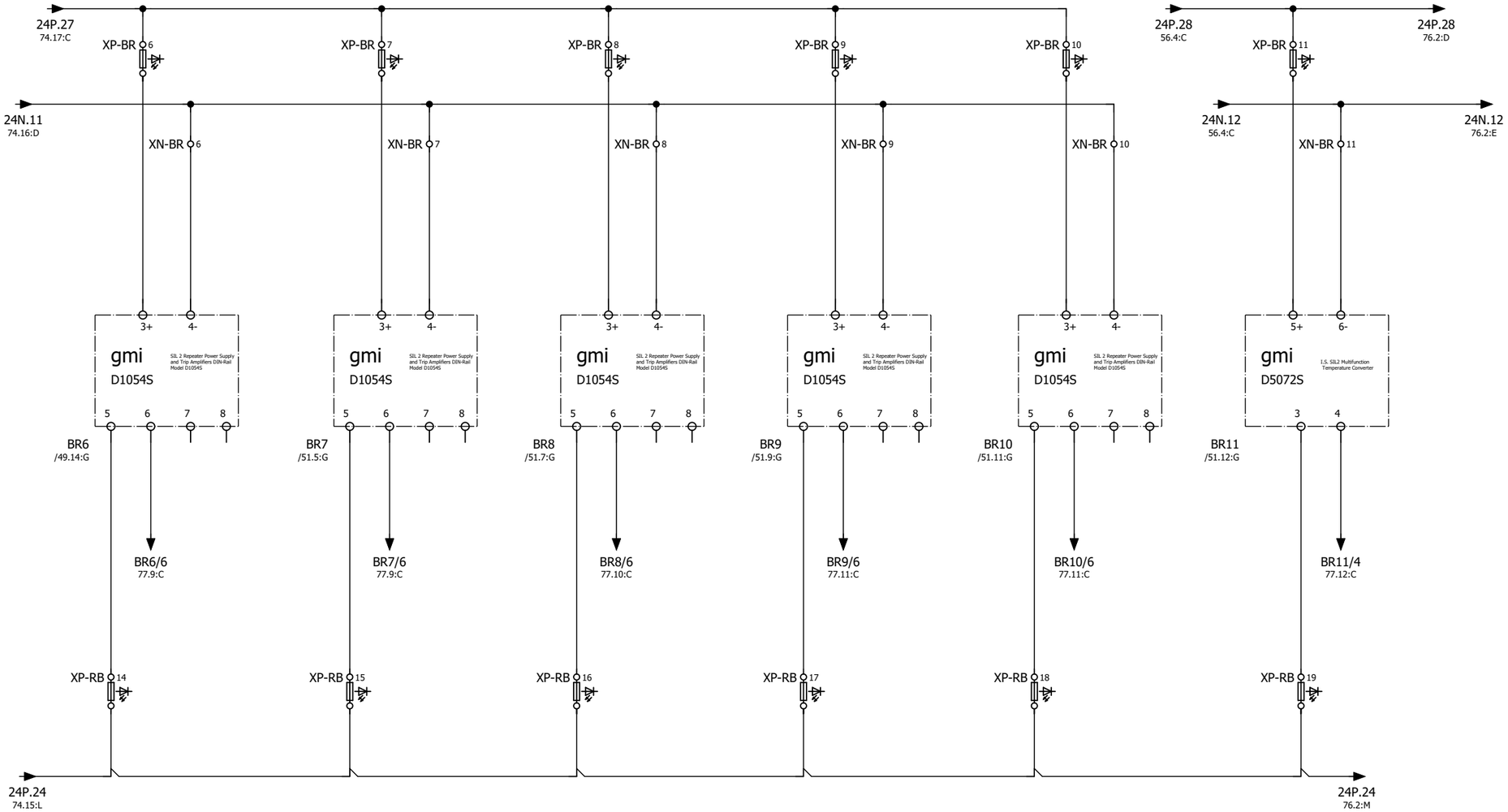
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	Rev.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	232 OF 335	00

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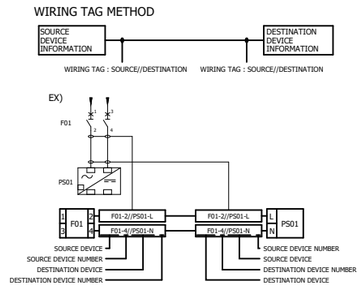
GENERAL NOTES

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REFERENCE DRAWING	DRG. NO.

KEY PLAN

WIRING TAG METHOD



Rev.	DESCRIPTION	BY	DATE	BY	DATE
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Rev.	DATE	P.O.I.S	PREP.	CHK.	APPR.	AUT.
V03						
V02						
V01						
V00	FEB.2024	IFR	A.Tamjidi	P.Golzari	R.Dehghan	********

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PROJECT NO.: 971020

EPC CONTRACTOR : HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (SG) : PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
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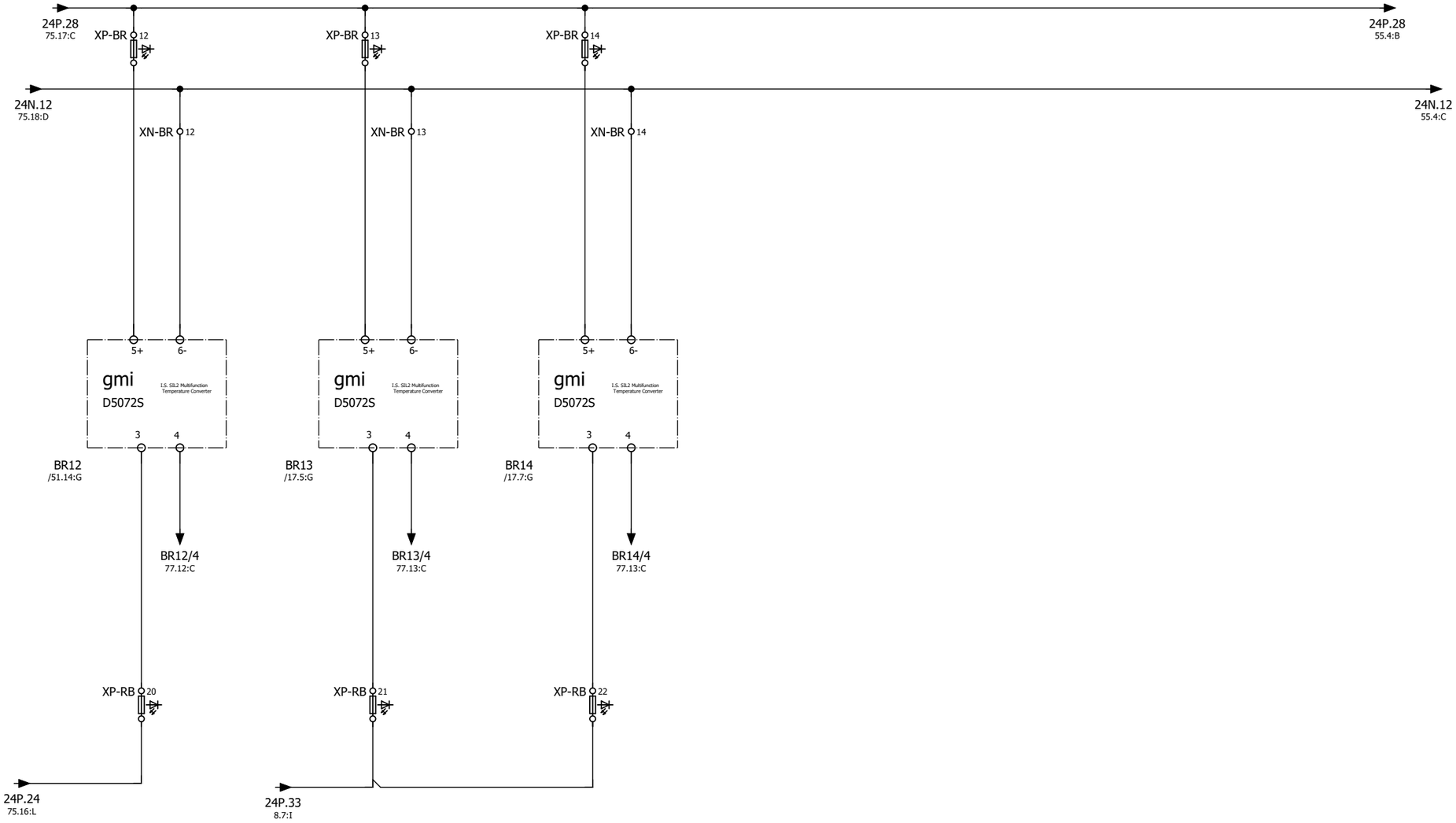
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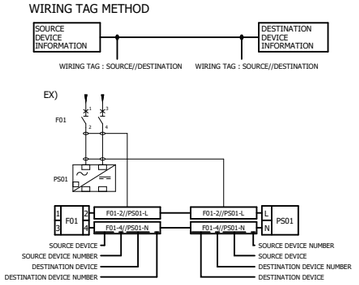
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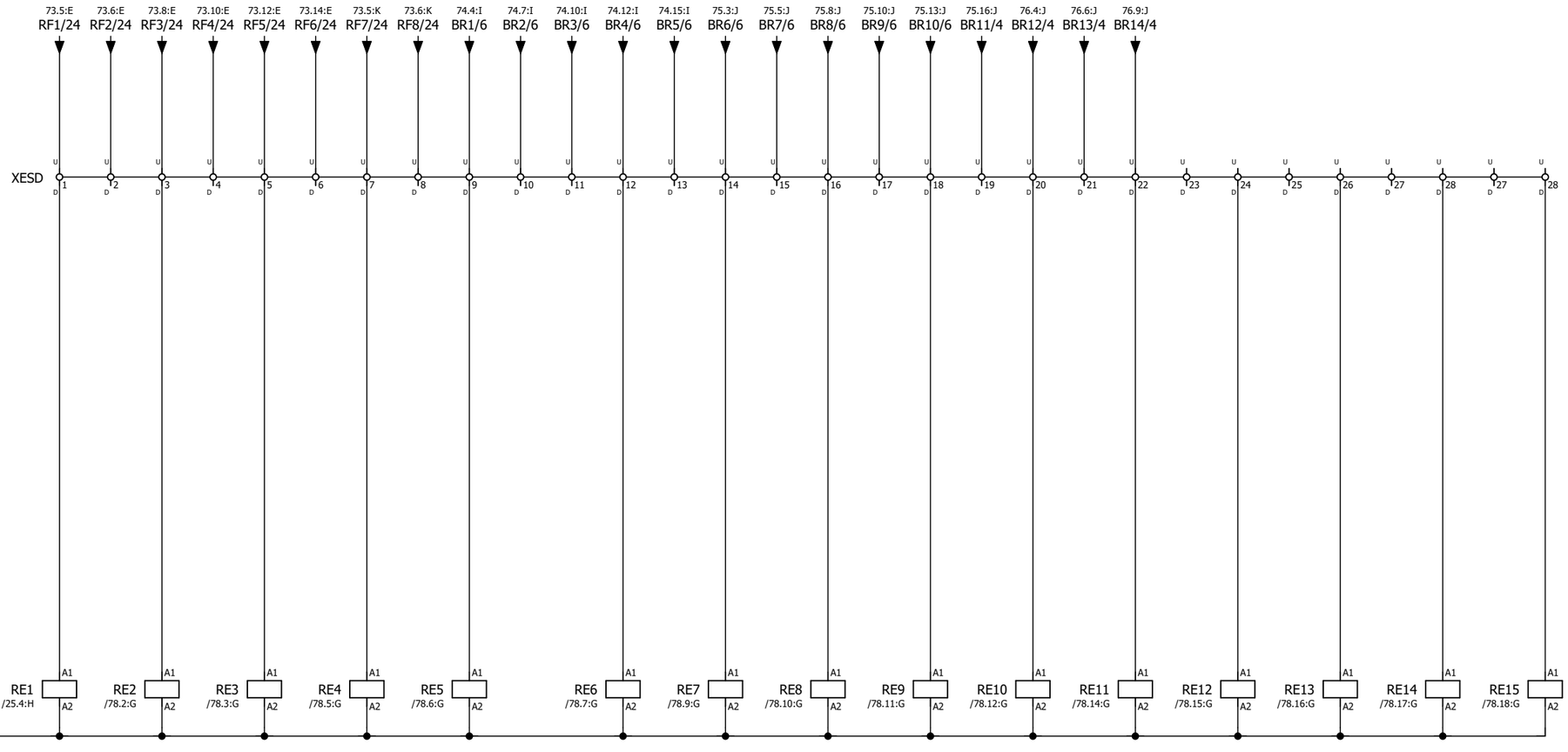
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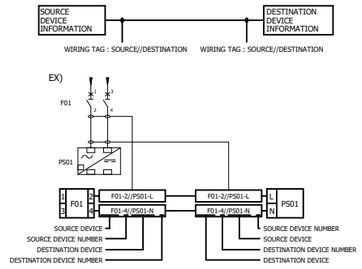
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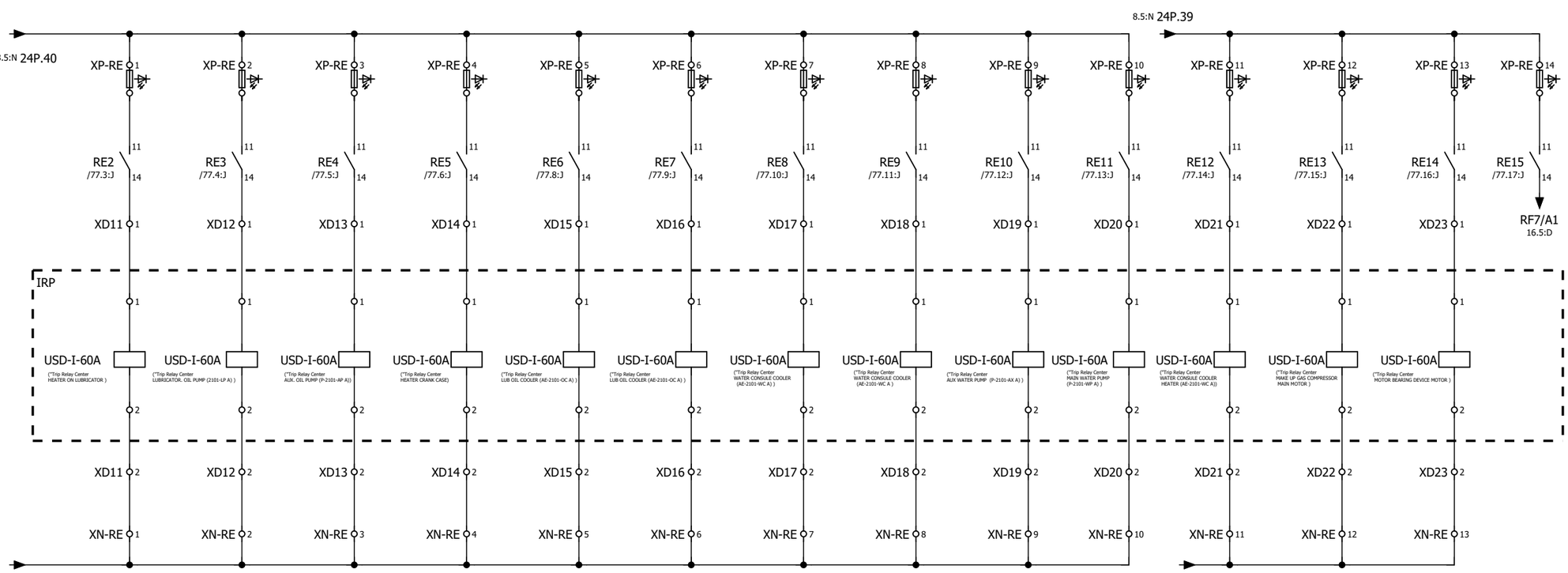
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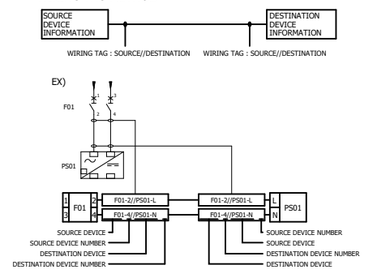
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TERMINAL DETAILS
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PROJECT NO.: 971020

EPC CONTRACTOR:

EPD/EPC CONTRACTOR (GC):

PEDCO

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

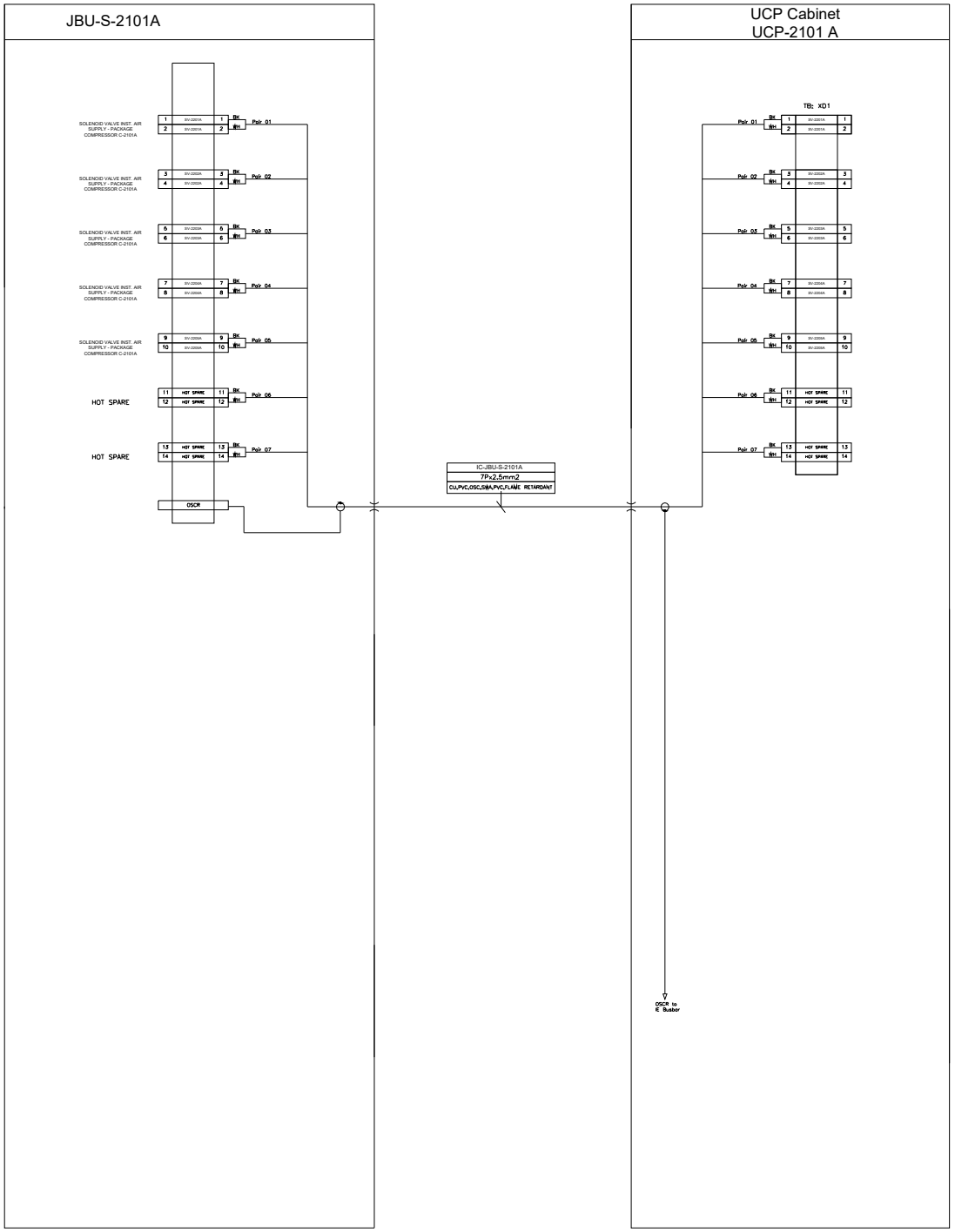
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
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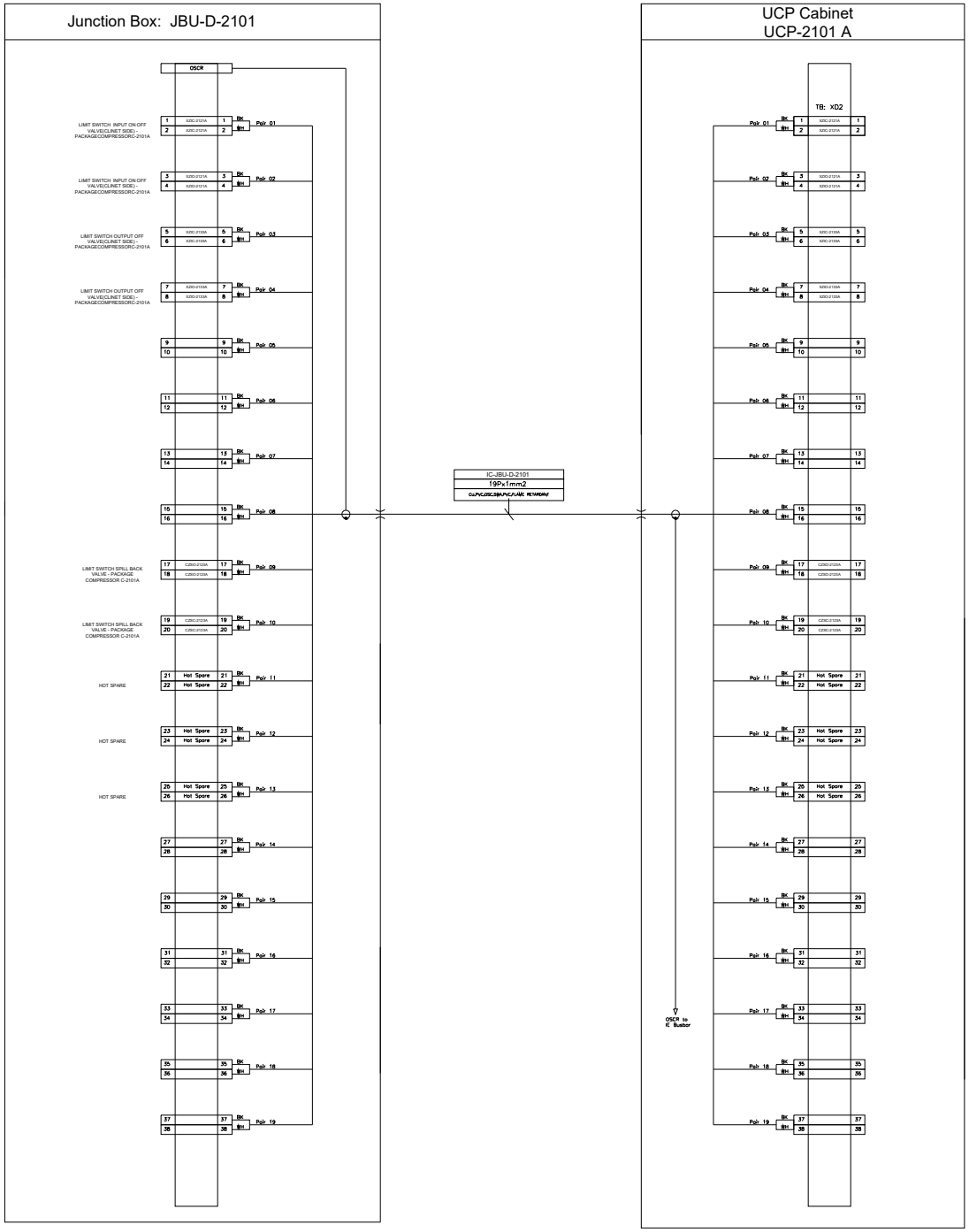
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SURFACE FACILITIES
GAS COMPRESSOR STATION

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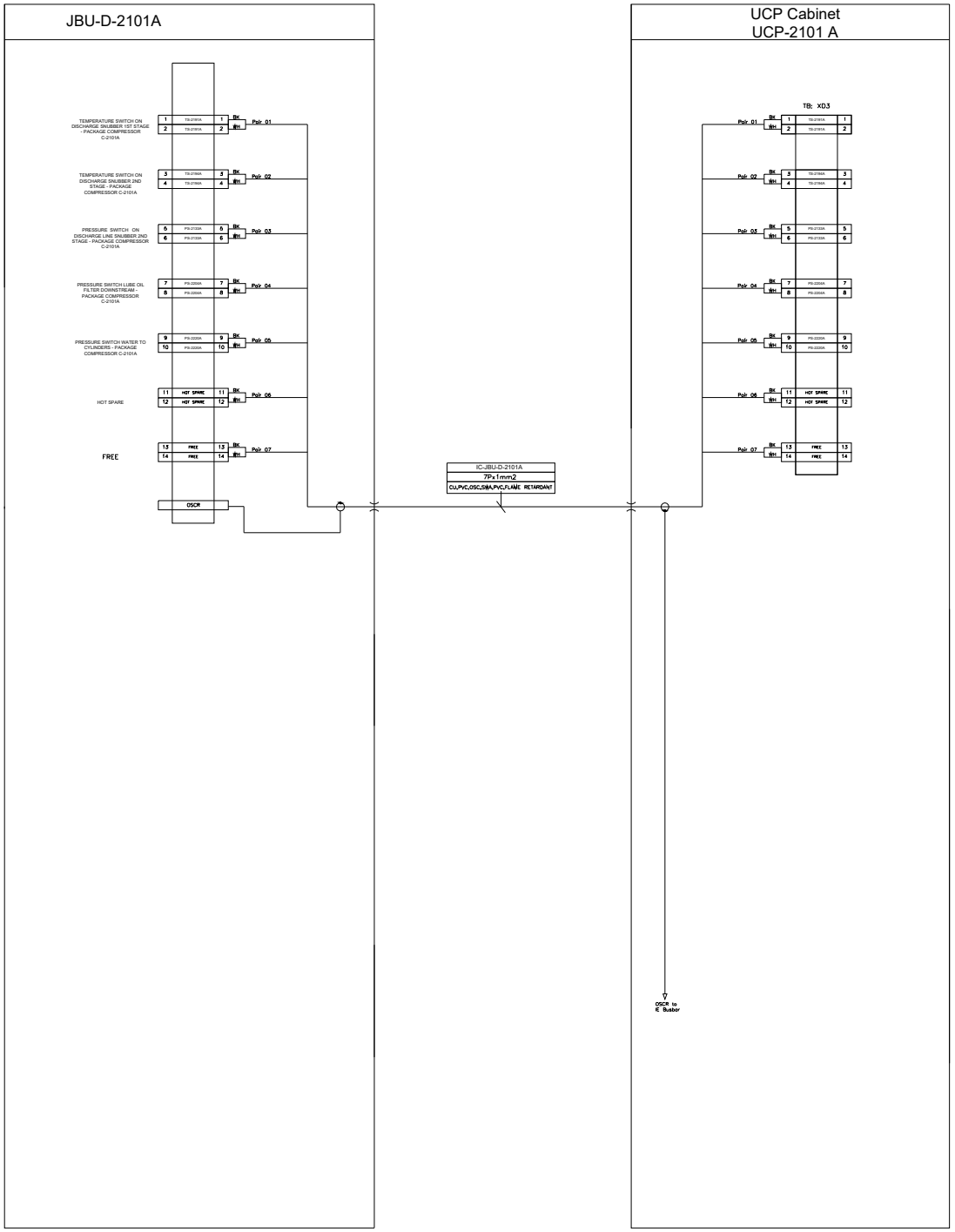
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1:1	A3	BK-OCS-HY-120-IN-DG-0001	239 OF 336	V00

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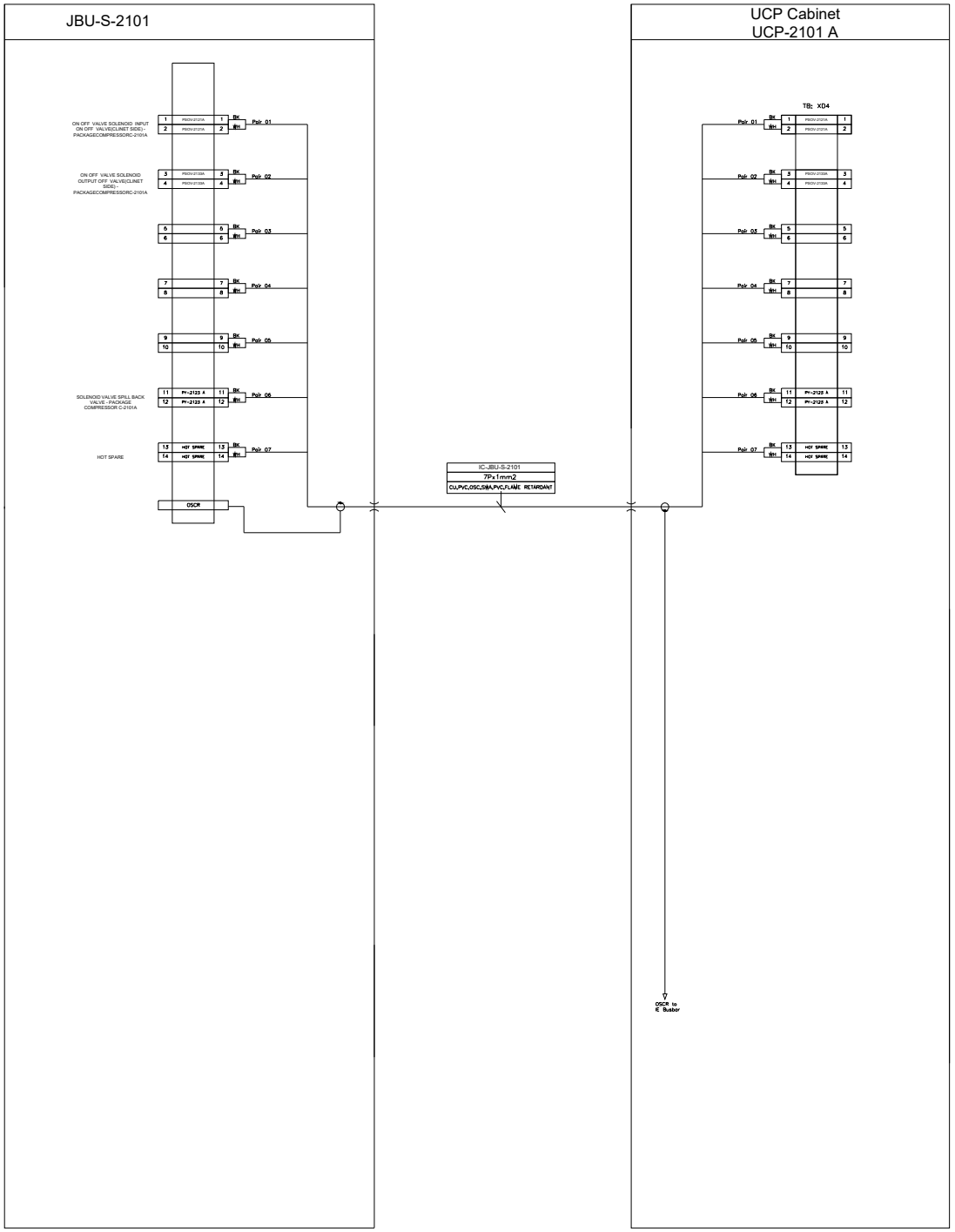
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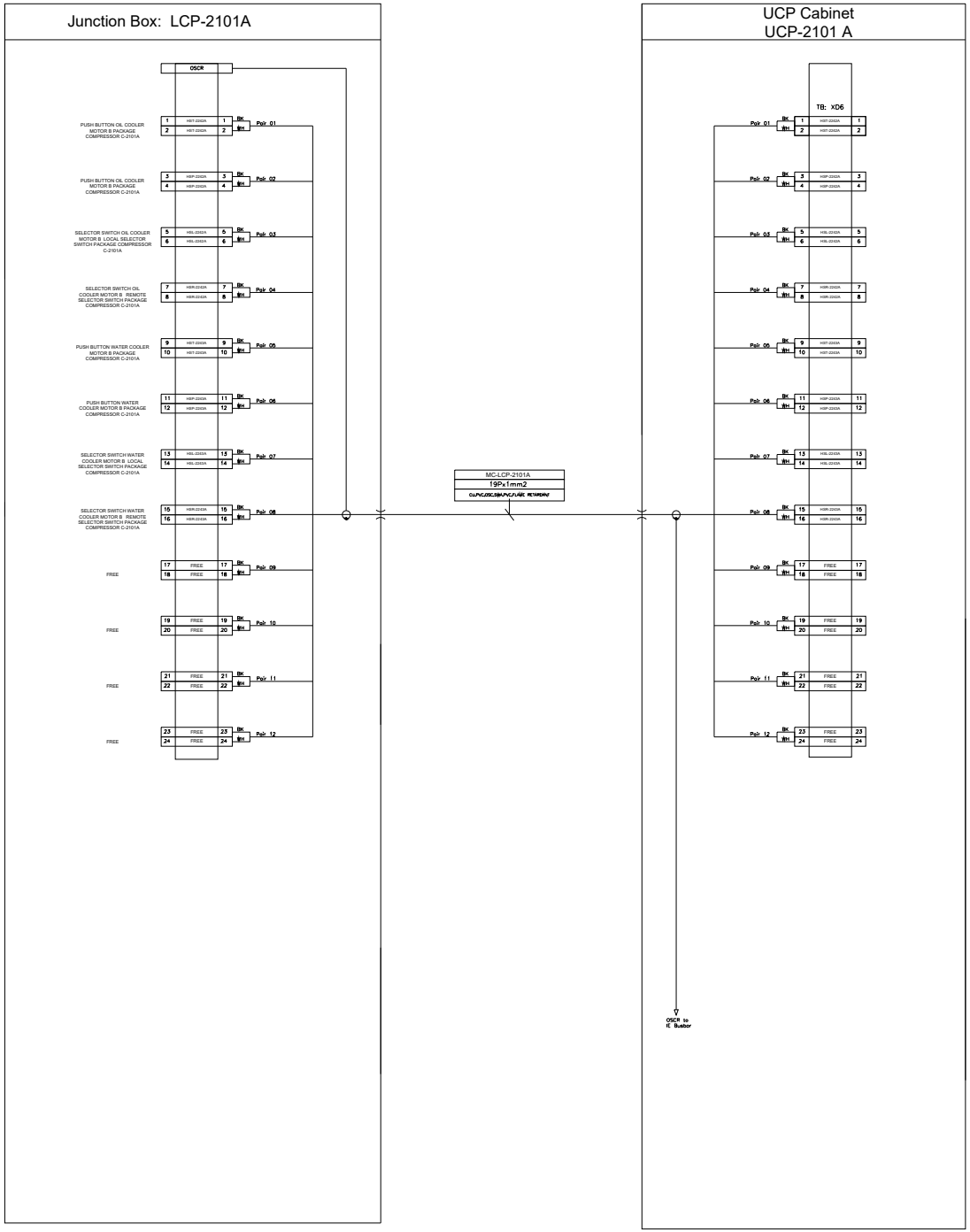
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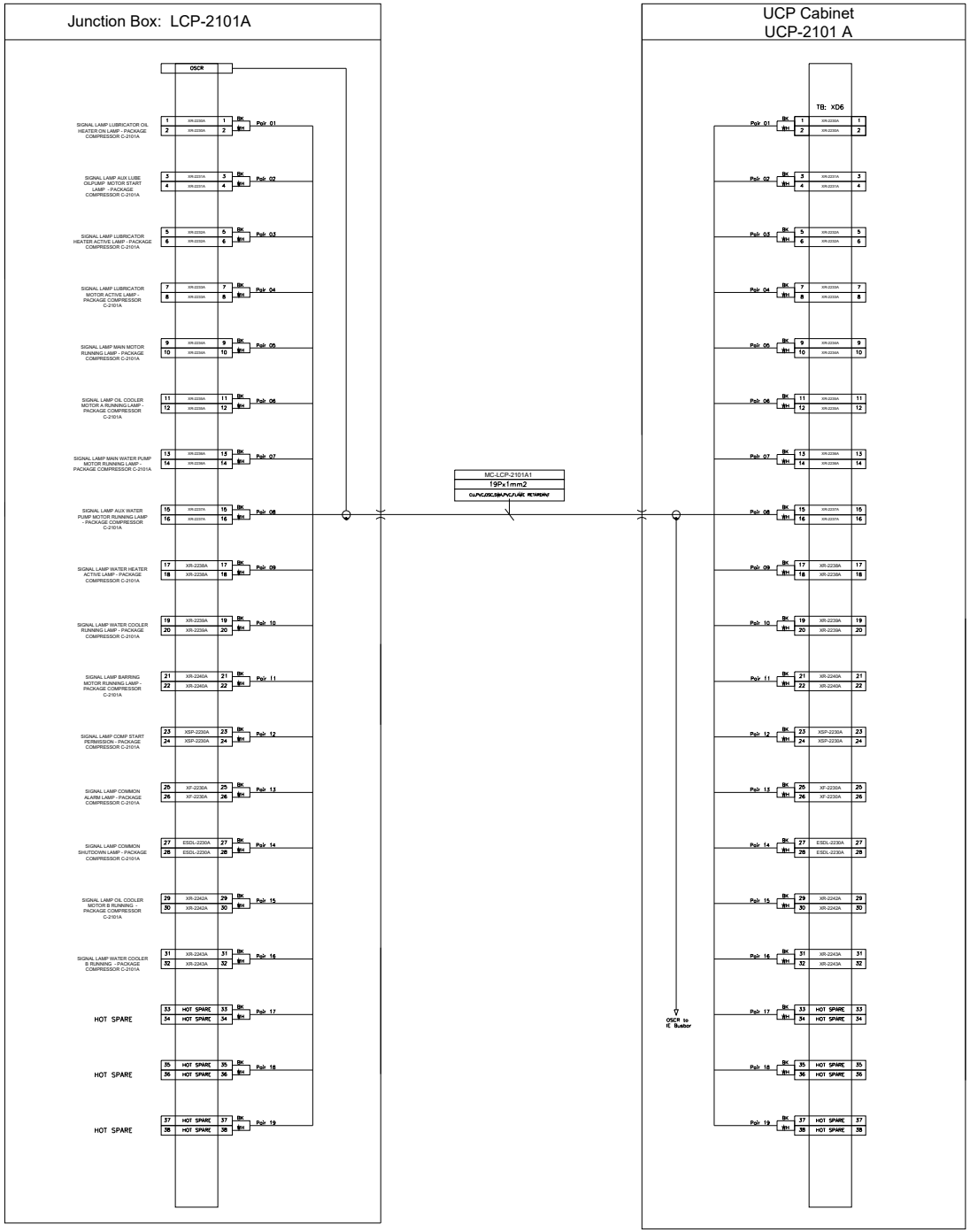
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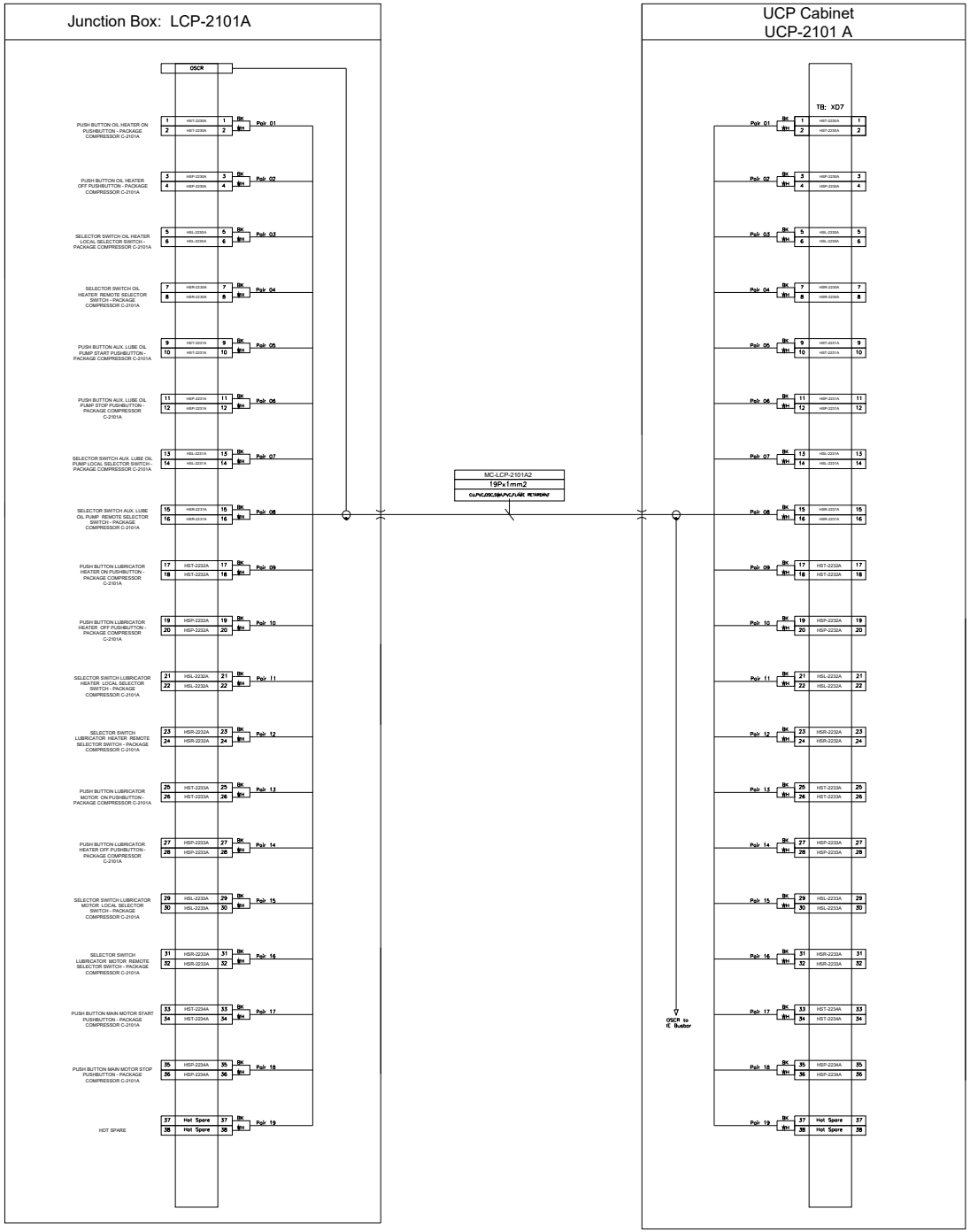
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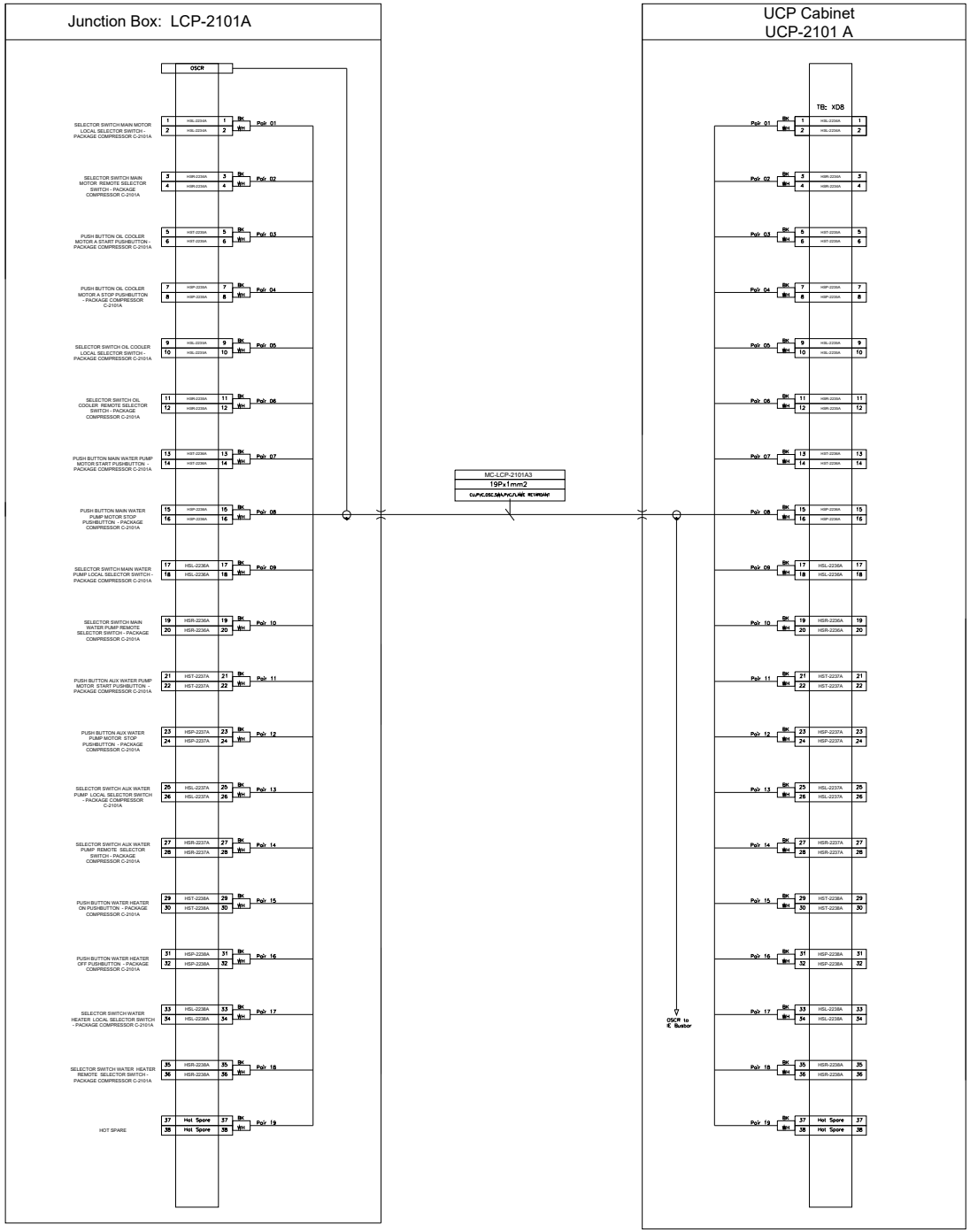
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	244 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



NOTES

LEGEND

REFERENCE DRAWING	DRG. No.
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KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
V00	FEB.2024	IFR	A.Tamjidi	P.Colcart	R.Dehghan
REV.	DATE	P.O.I.S	PREP.	CHK.	APP. AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR:

EPD/EPC CONTRACTOR (GC): PEDCO

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

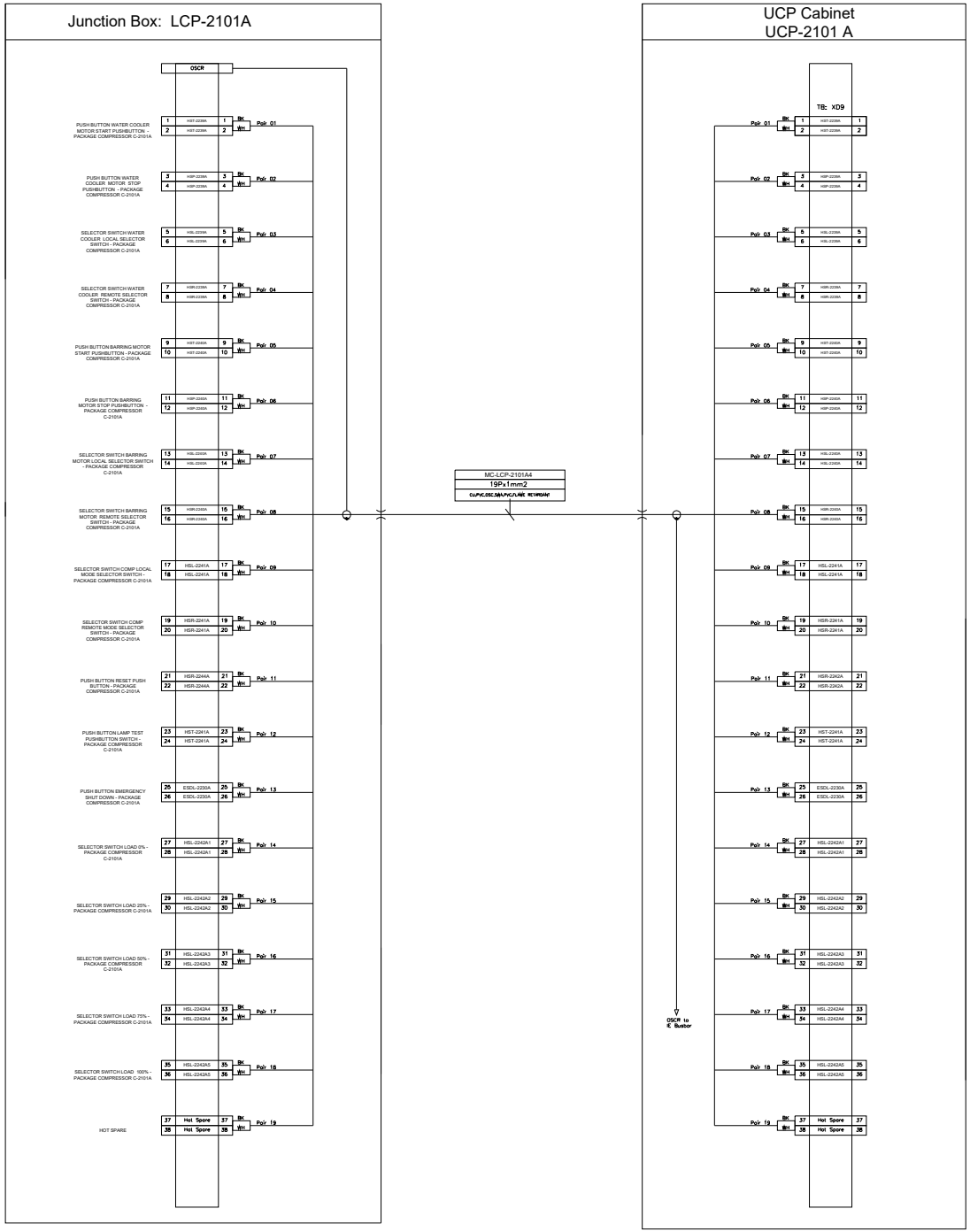
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	245 OF 335	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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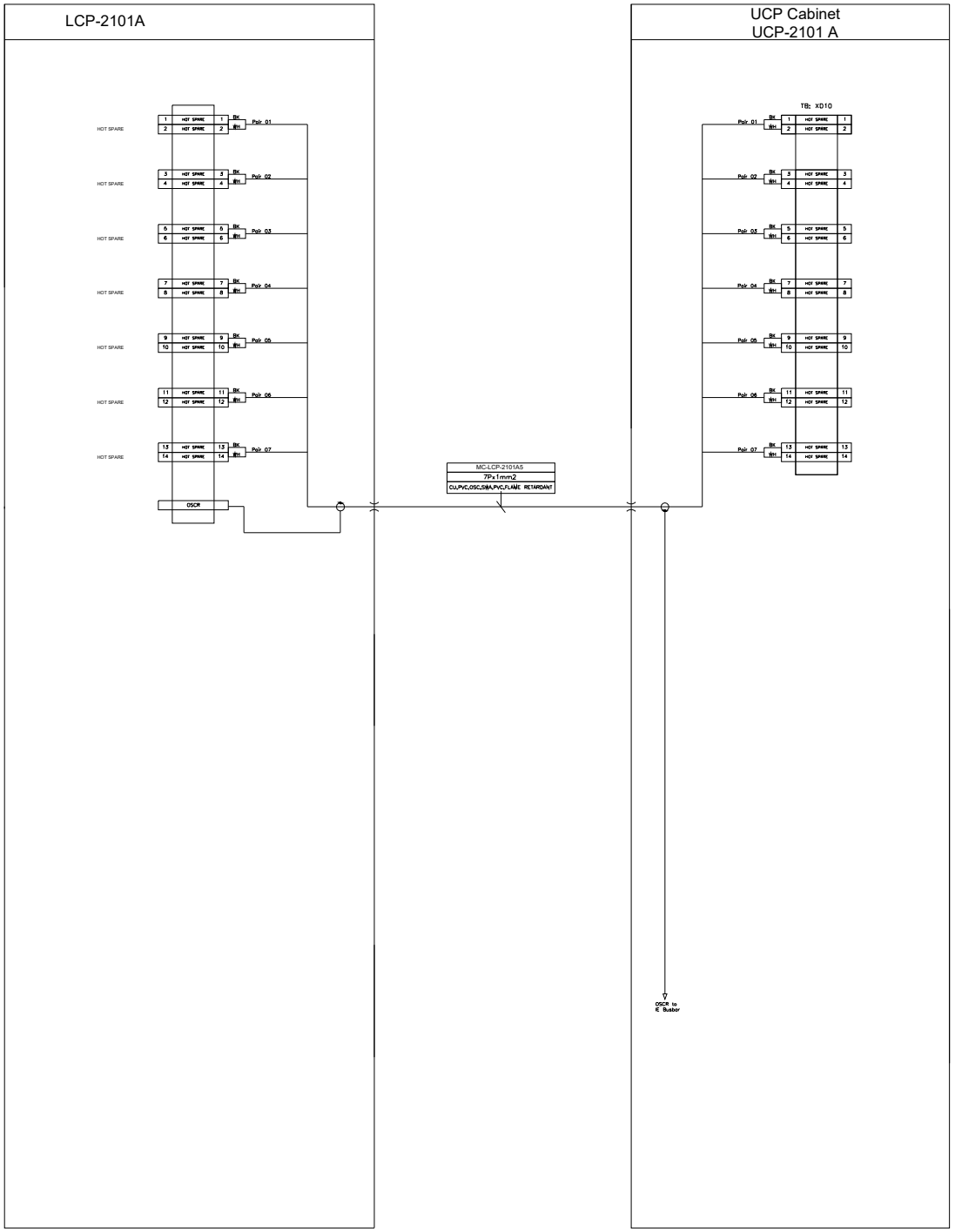
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	24OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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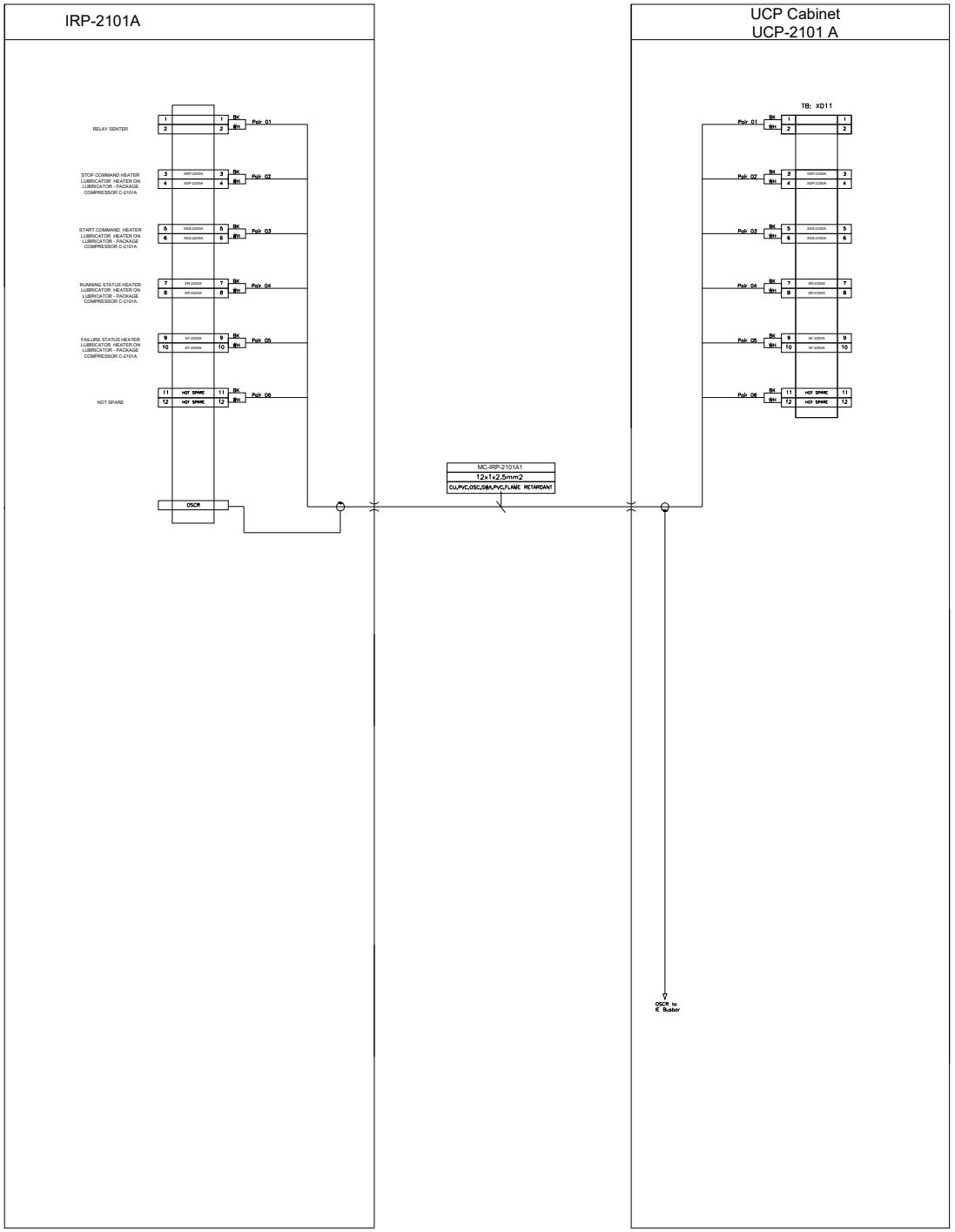
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	247 OF 335	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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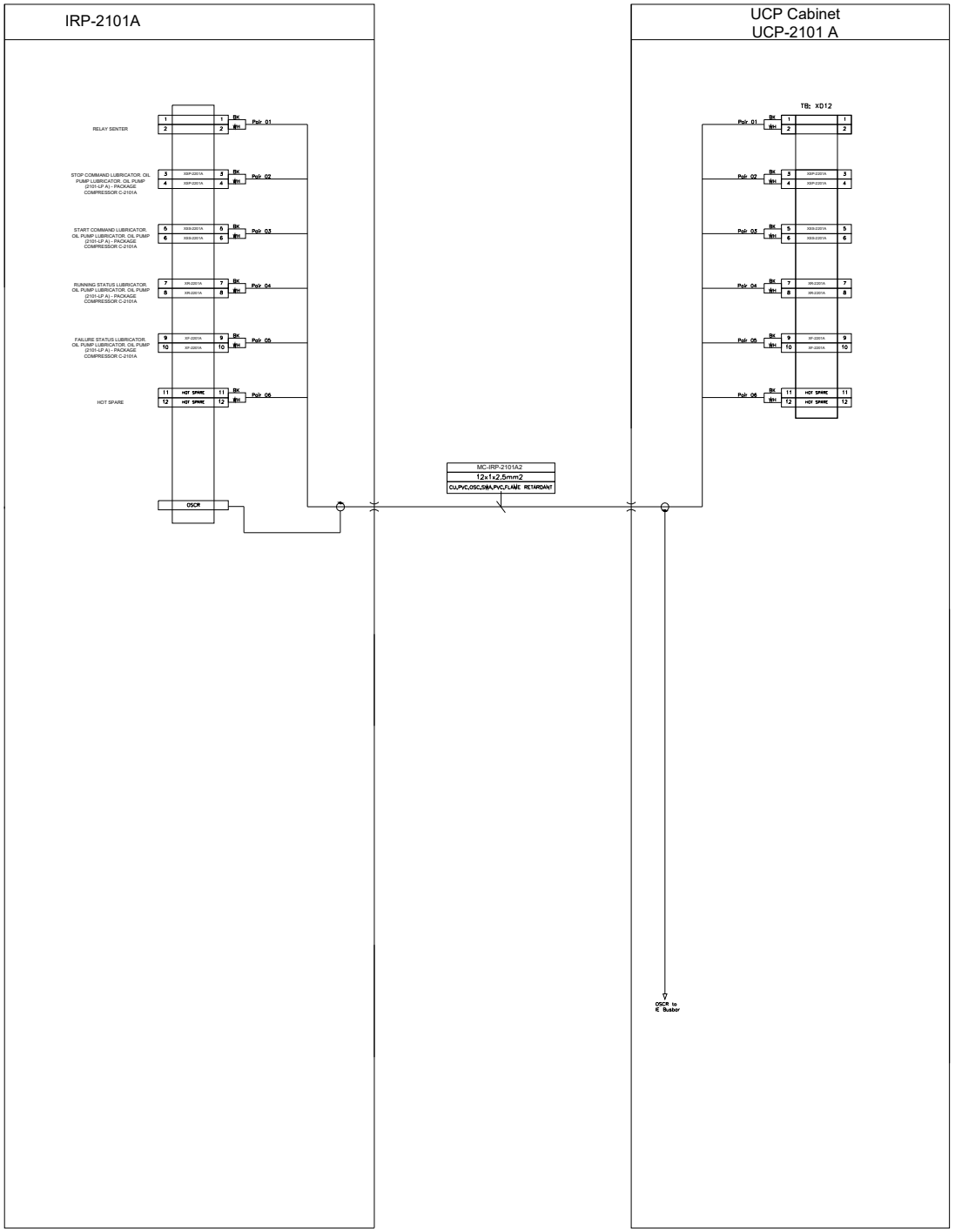
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PROJECT NO.: 971020

EPC CONTRACTOR:

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GAS COMPRESSOR STATION

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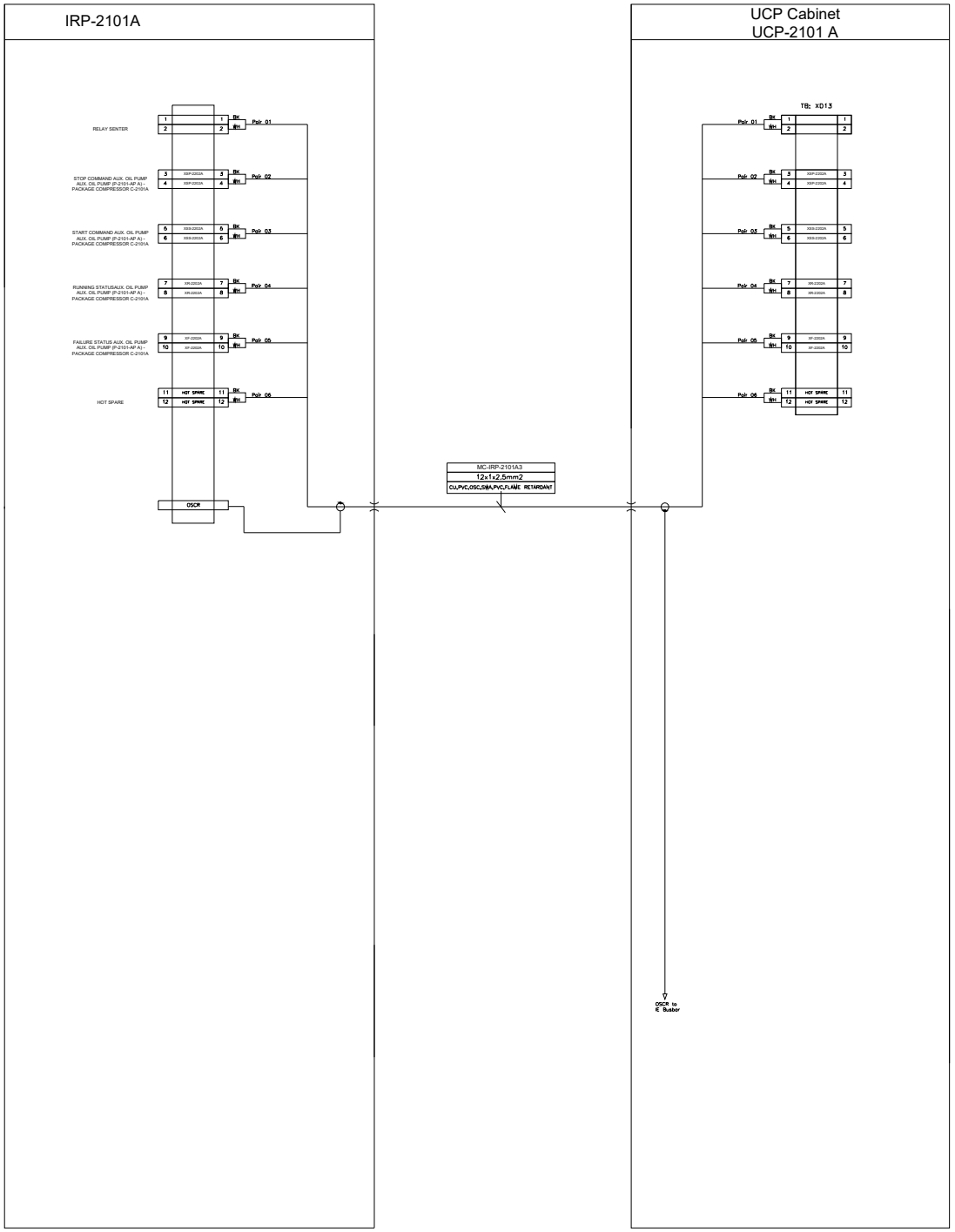
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	249 OF 335	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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BINAK OILFIELD DEVELOPMENT
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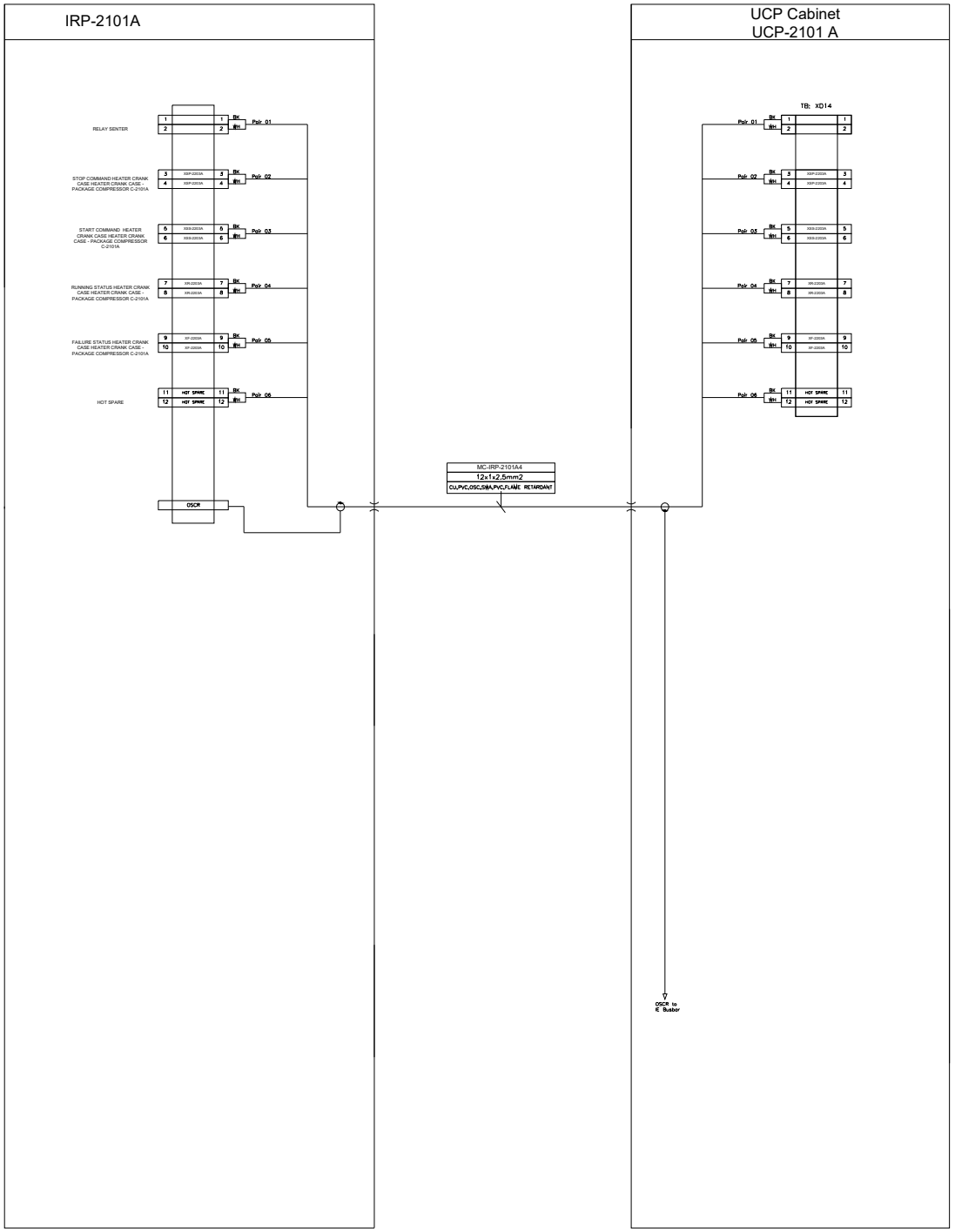
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-OCS-HY-120-IN-DG-0001	250 OF 336	V00



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LEGEND

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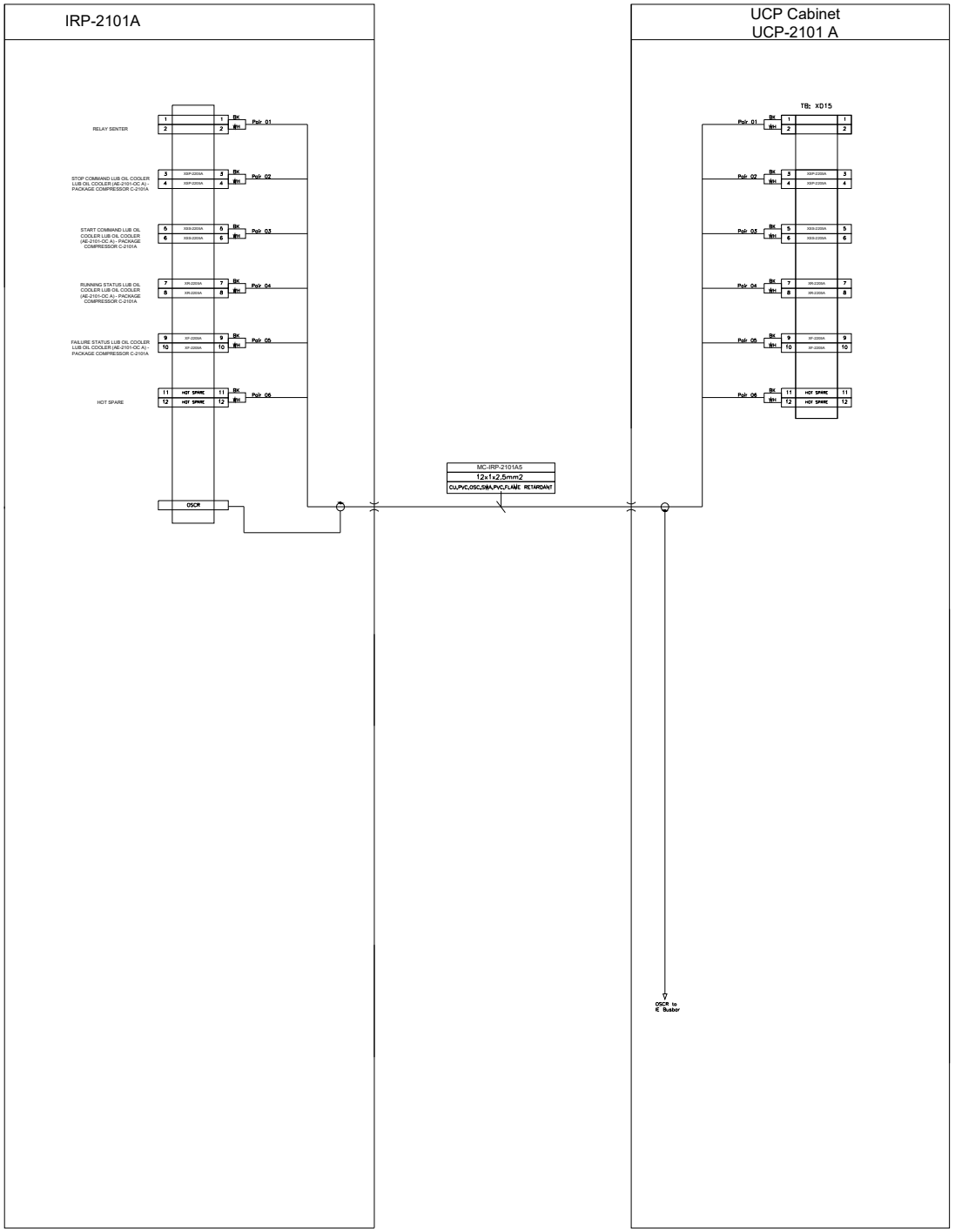
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	251 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



NOTES

LEGEND

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KEY PLAN

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BINAK OILFIELD DEVELOPMENT
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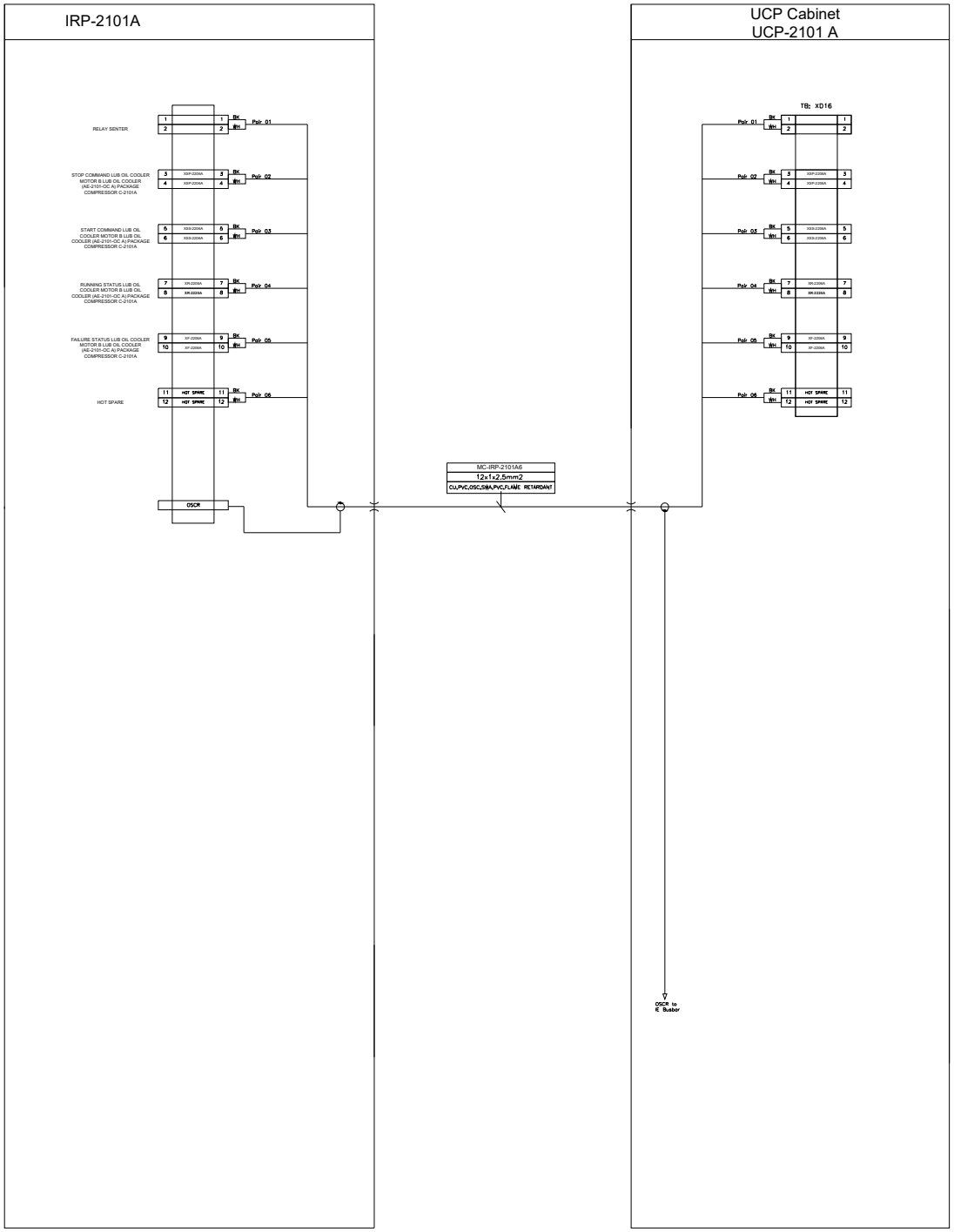
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	252 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



NOTES

LEGEND

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

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EPD/EPC CONTRACTOR (GC):

PEDCO

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GAS COMPRESSOR STATION

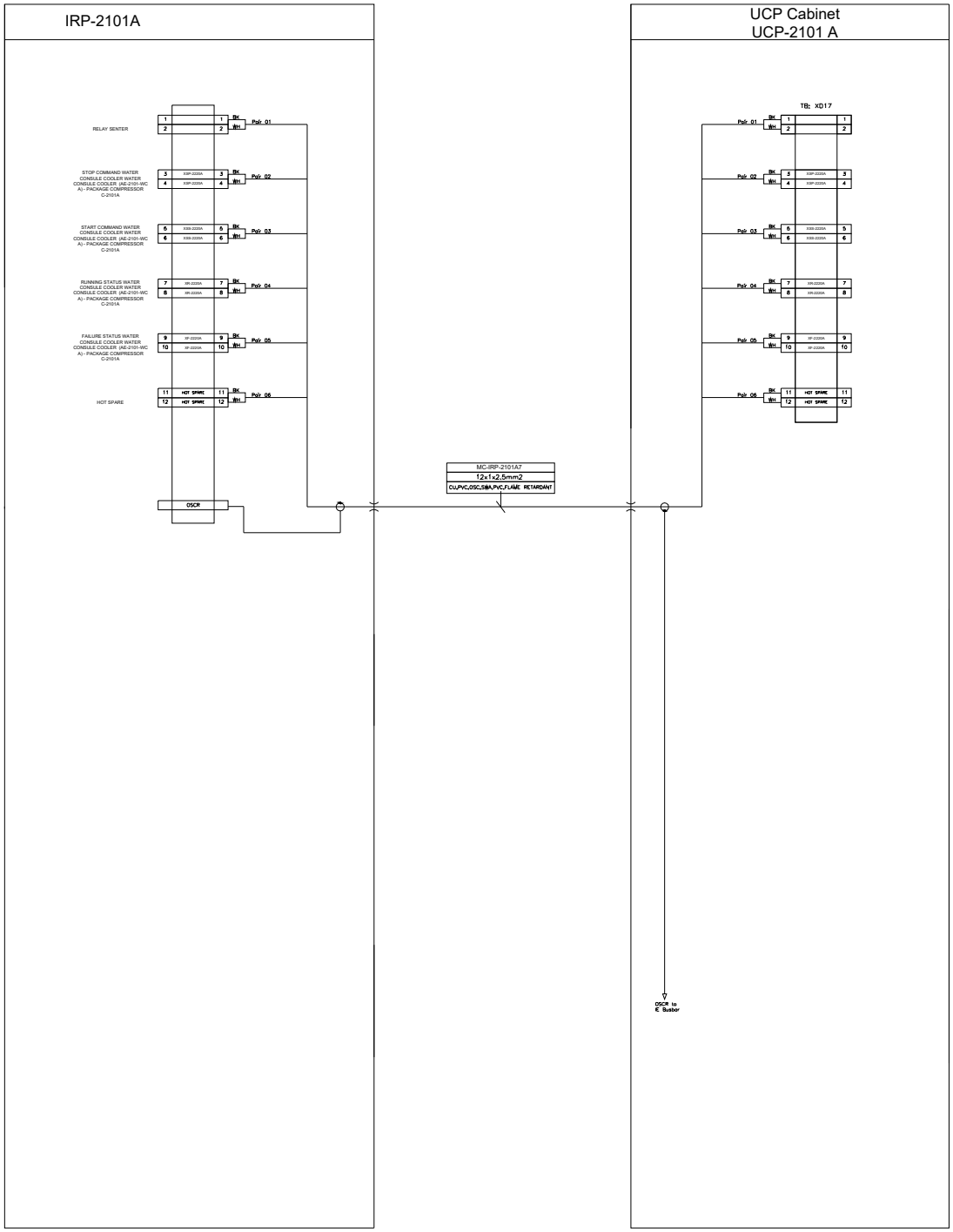
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	253 OF 336	V00



NOTES

LEGEND

REFERENCE DRAWING	DRG. No.
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REV.	DESCRIPTION	BY	DATE	BY	DATE
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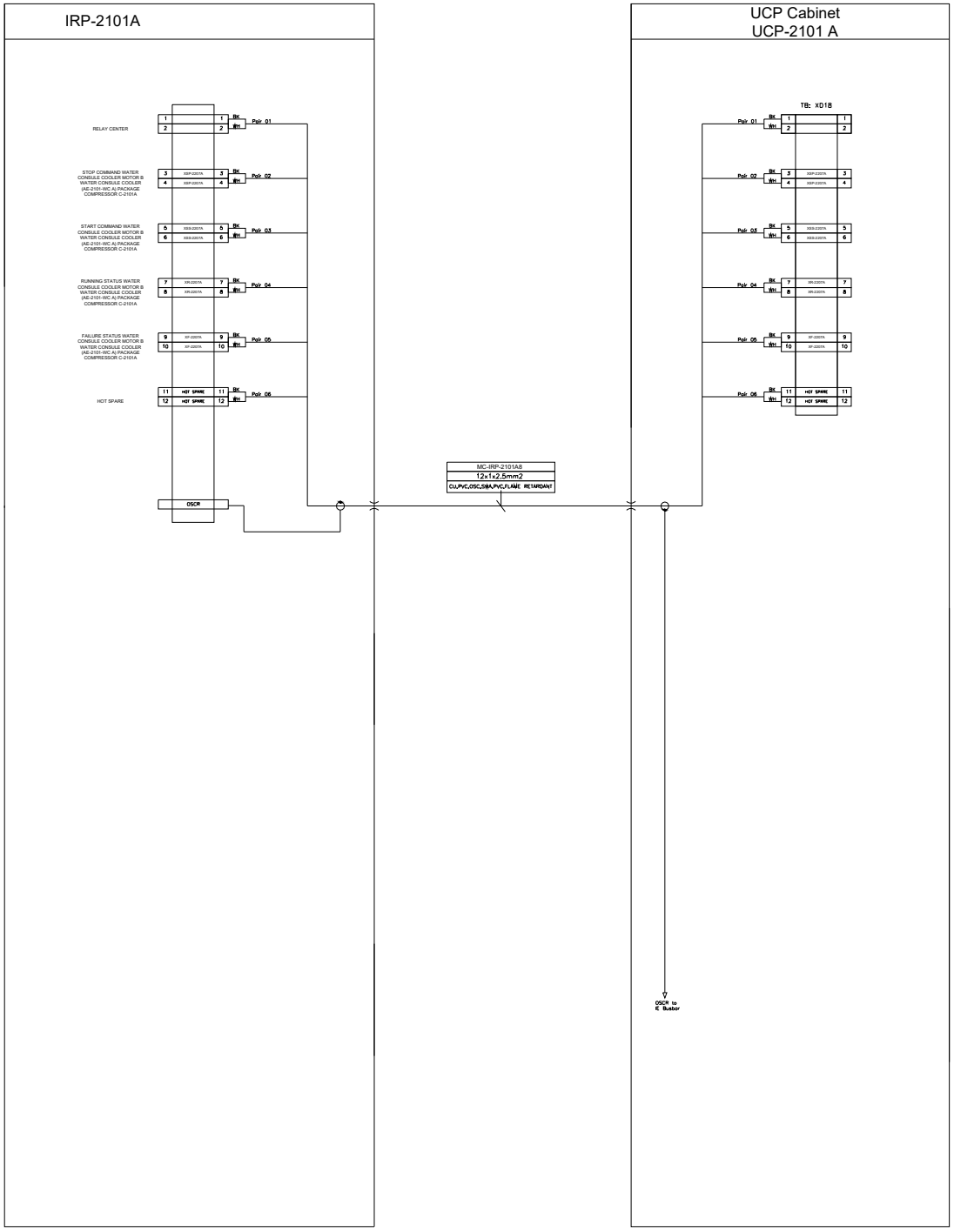
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-OCS-HY-120-IN-DG-0001	254 OF 336	V00

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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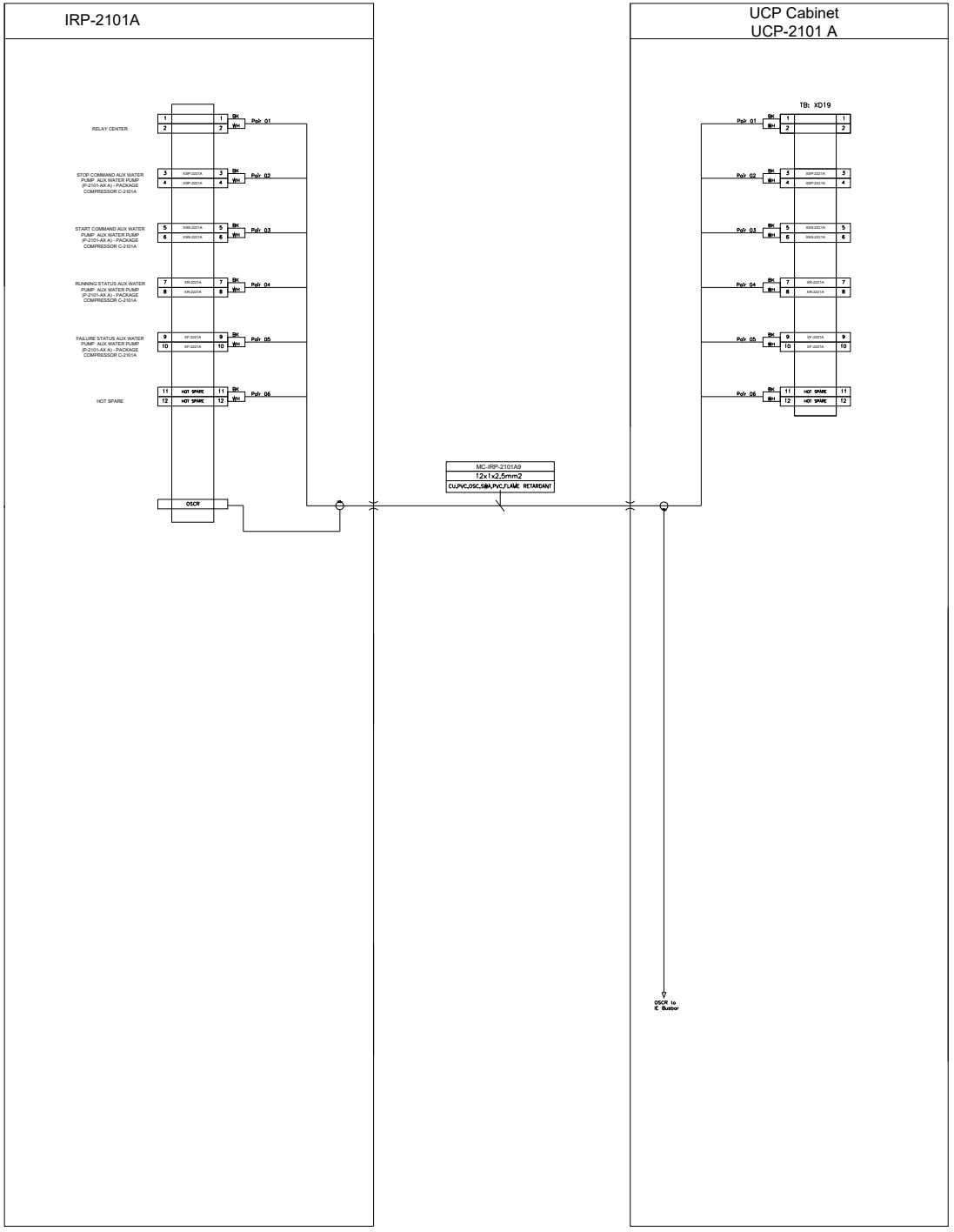
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	255 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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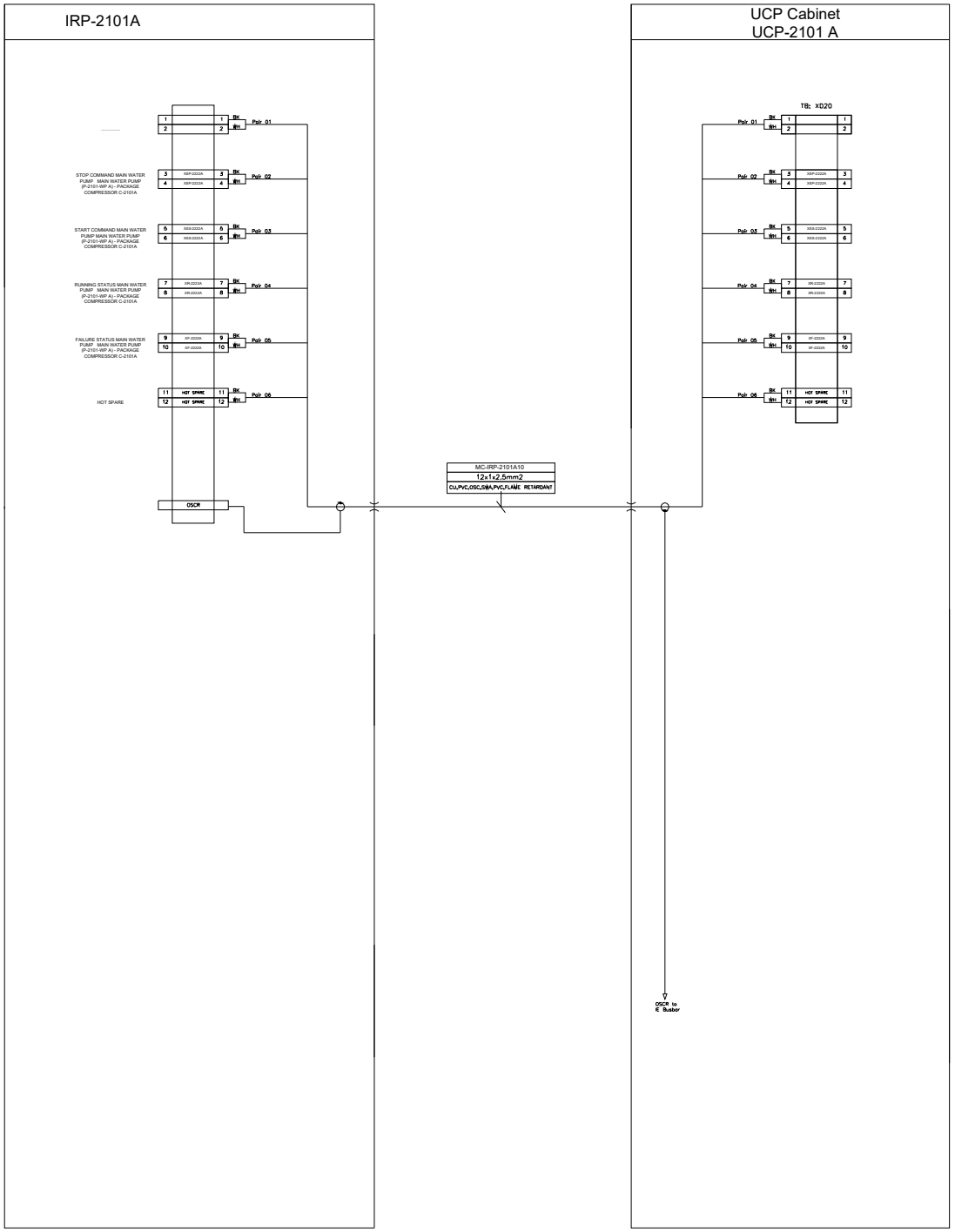
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	256 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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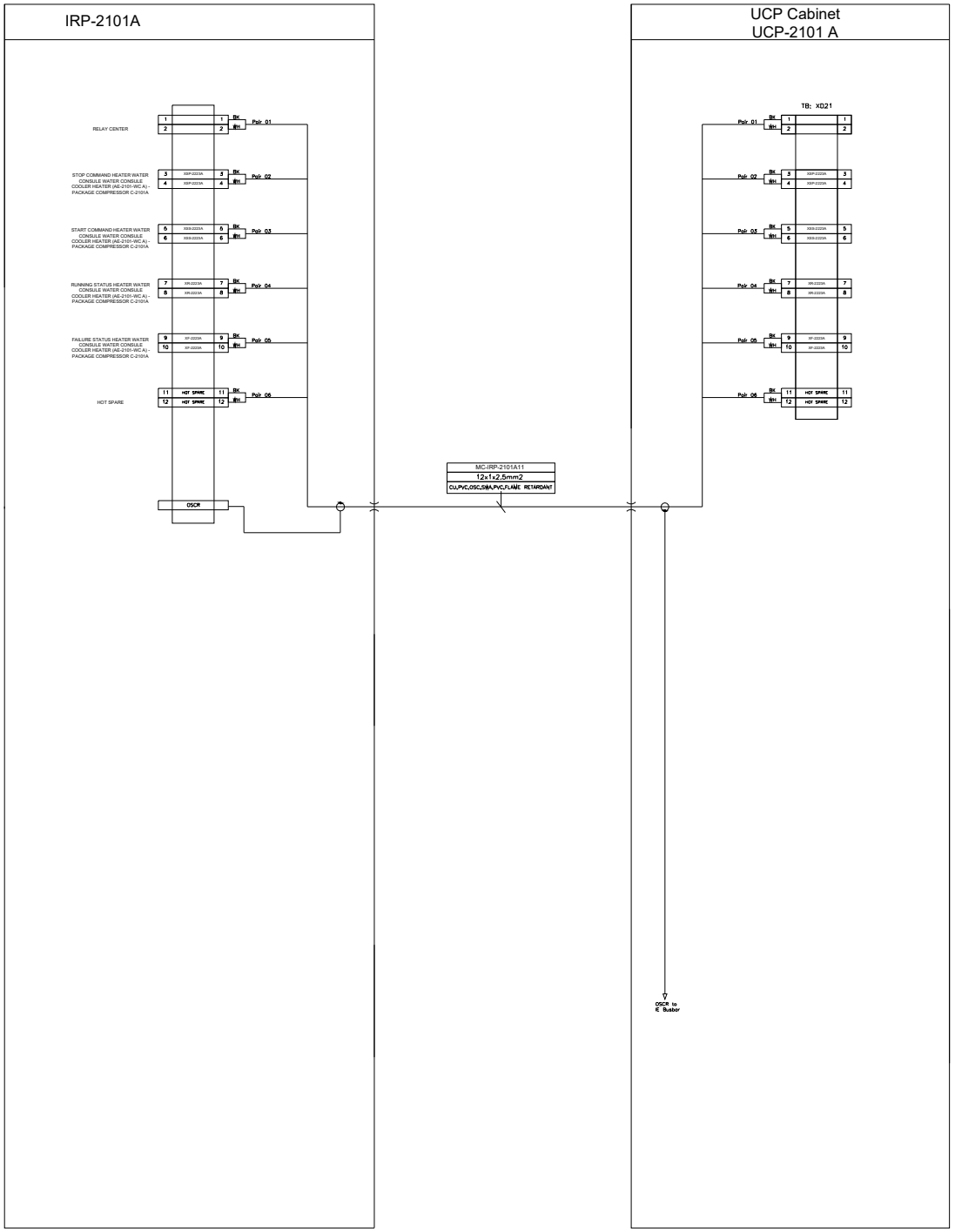
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	257 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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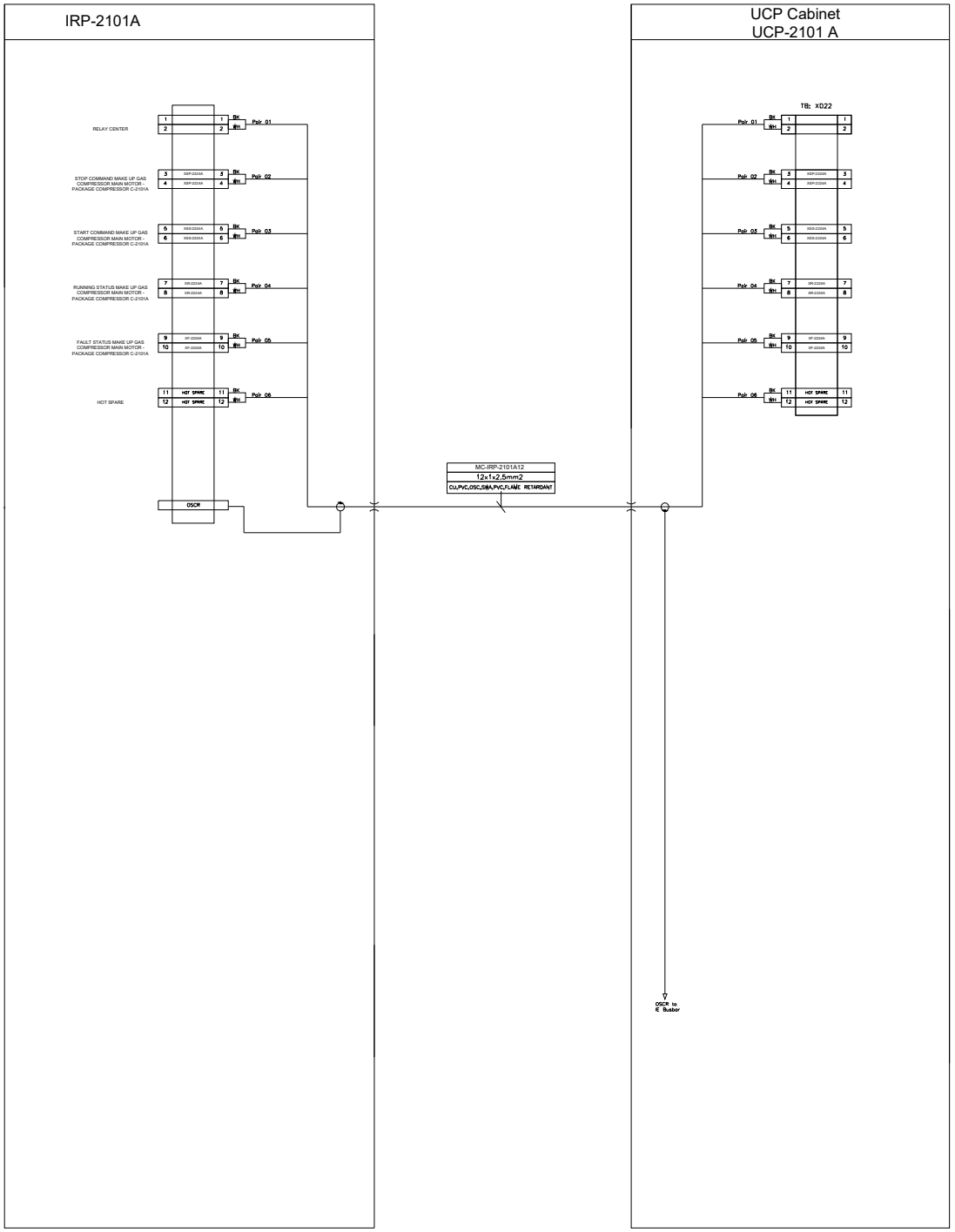
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	258 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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LEGEND

REFERENCE DRAWING	DRG. No.
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KEY PLAN

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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golcari	R.Dehghan	

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR:

EPD/EPC CONTRACTOR (GC): PEDCO

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

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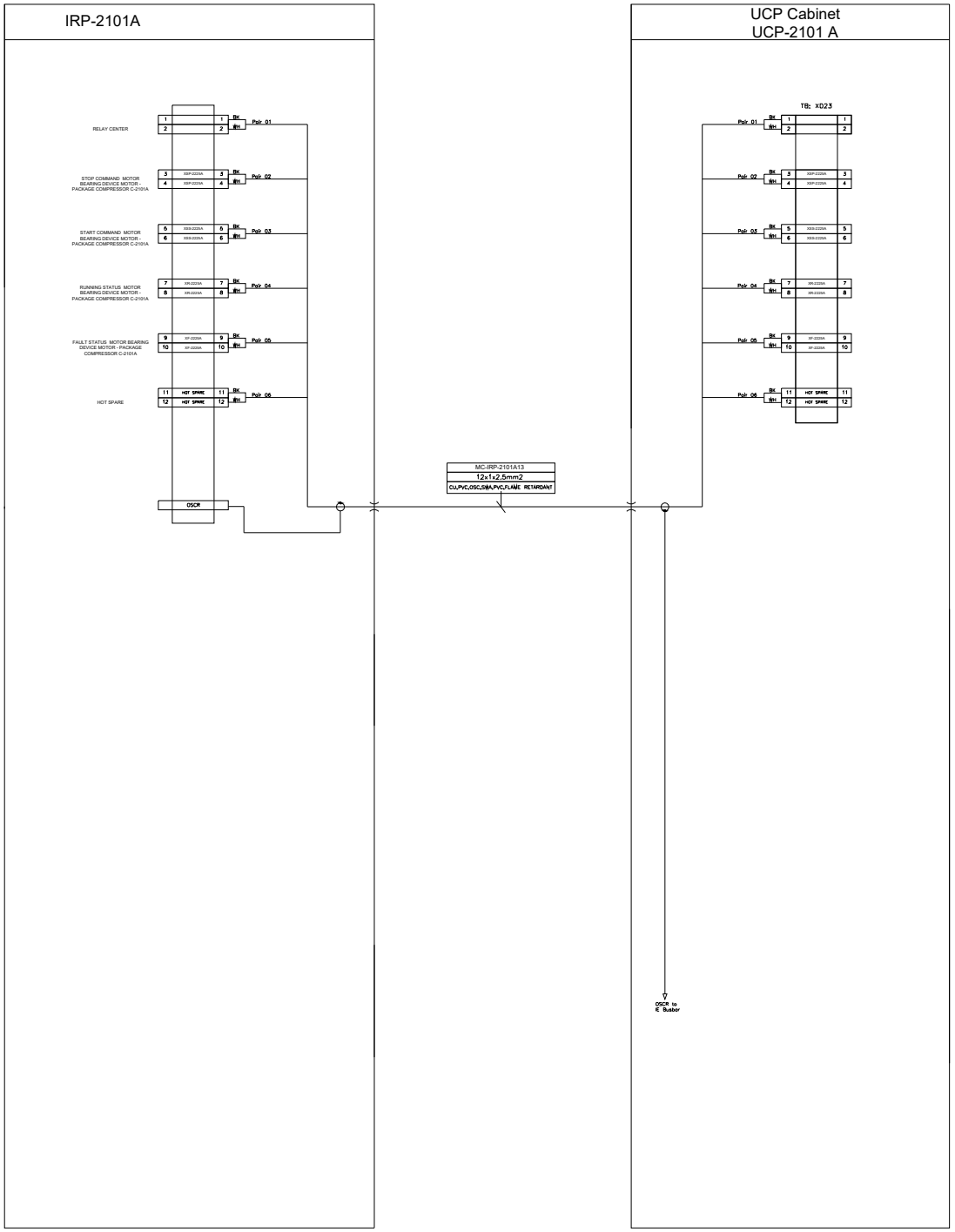
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

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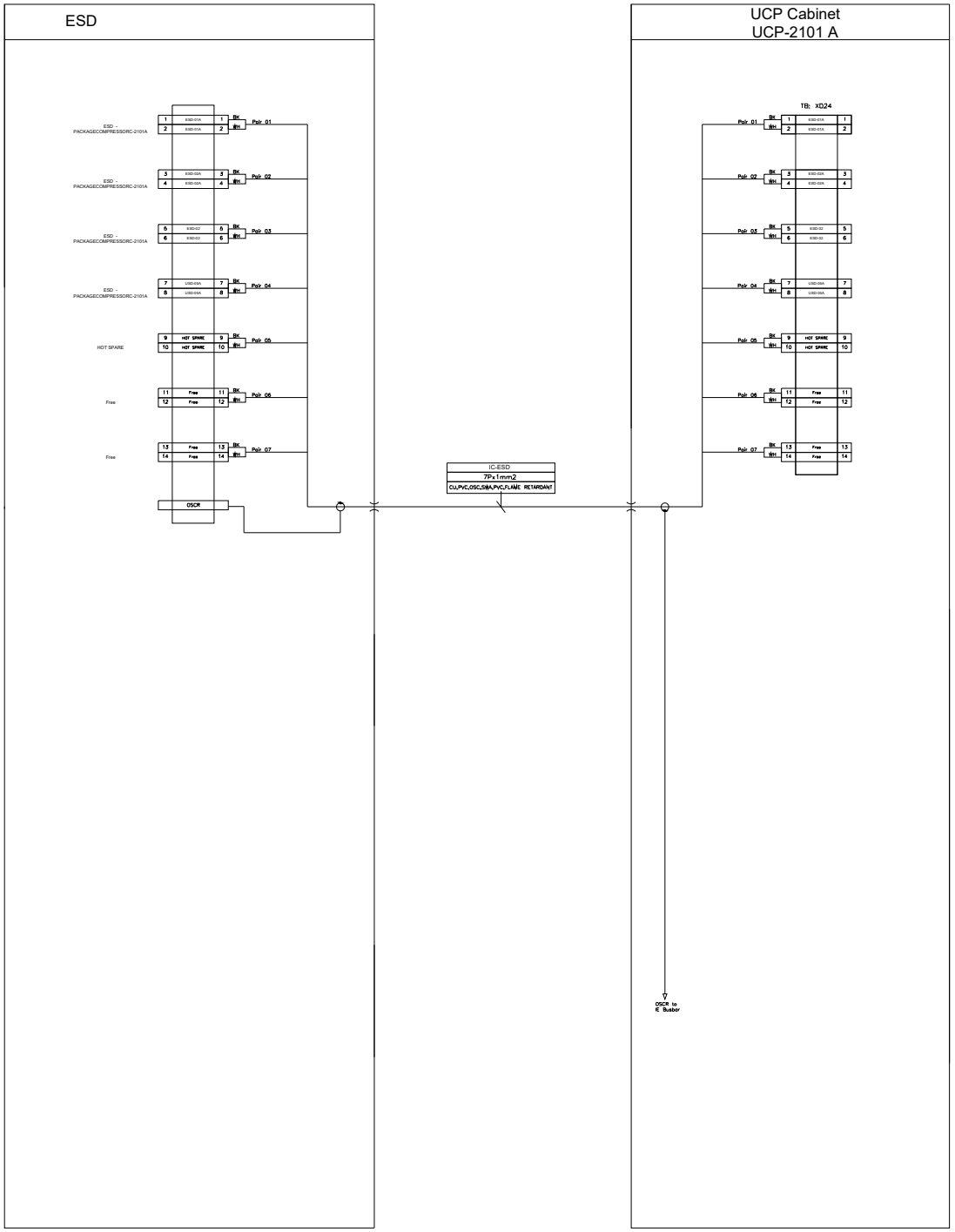
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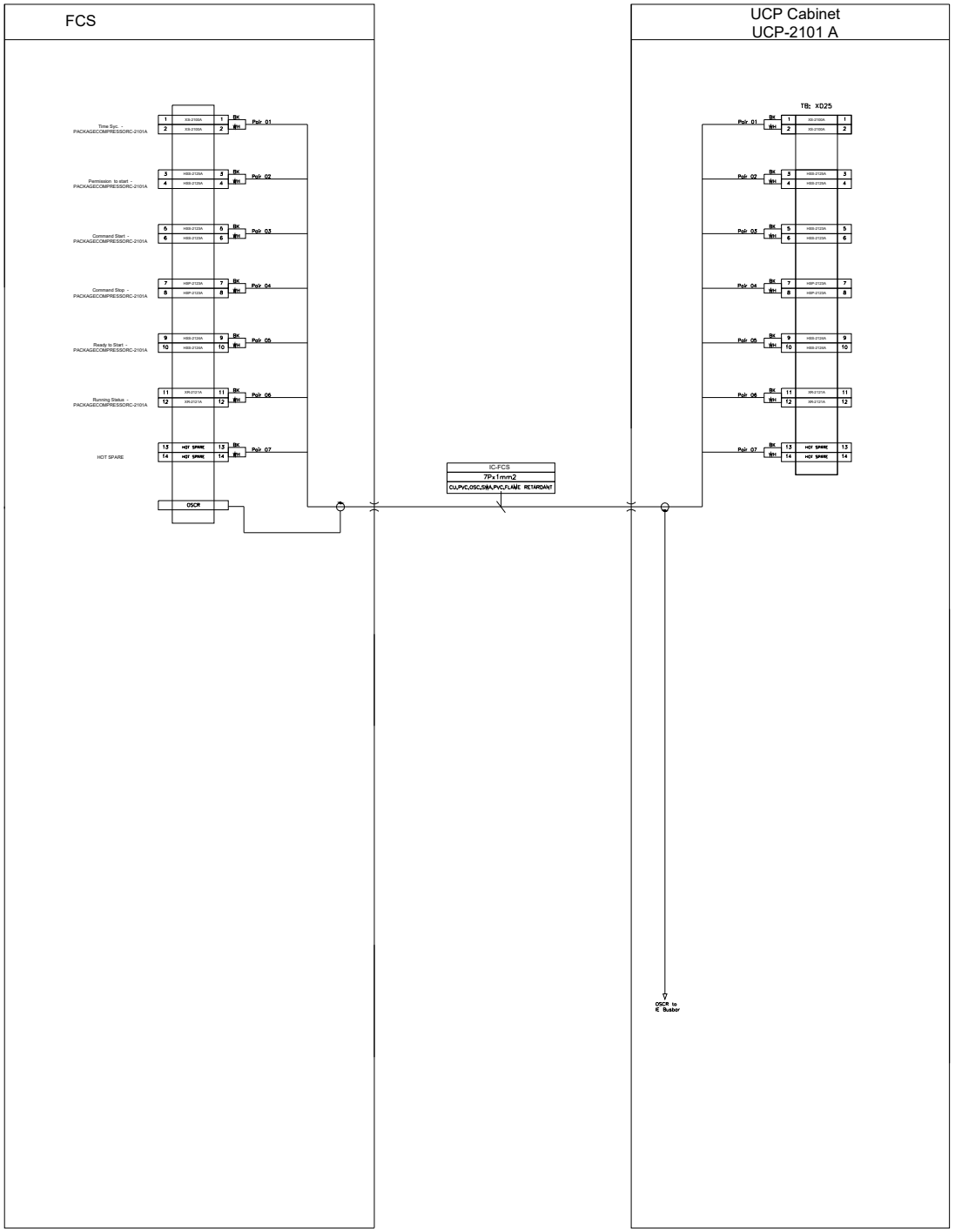
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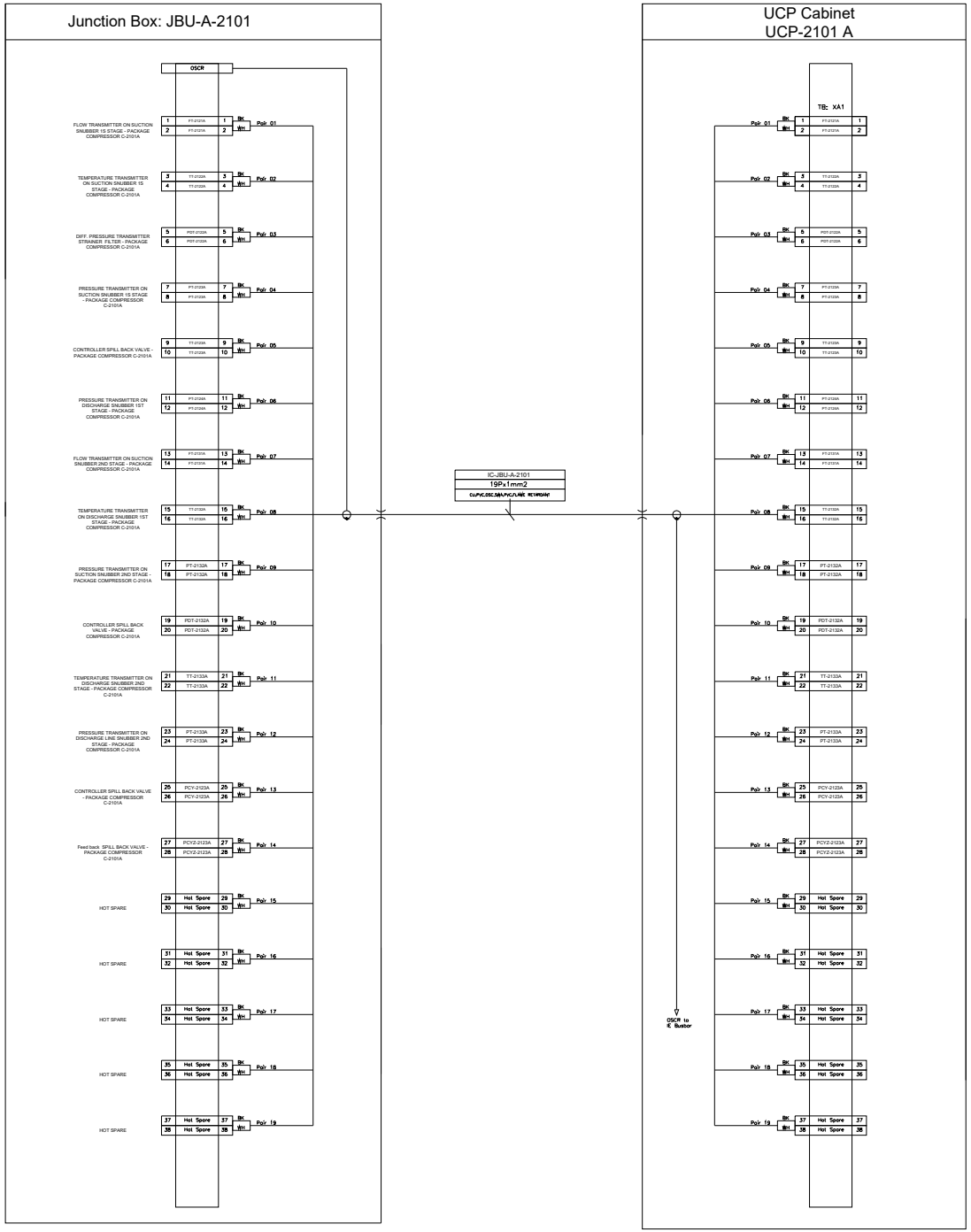
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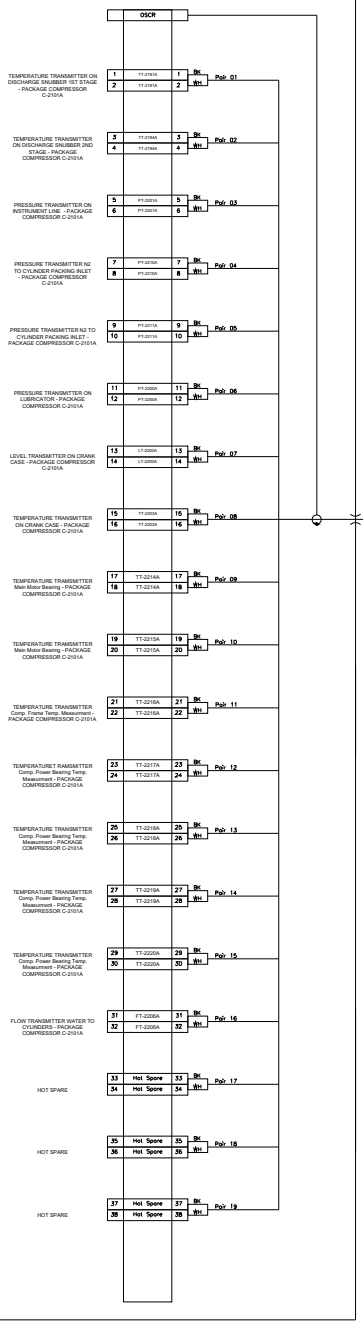
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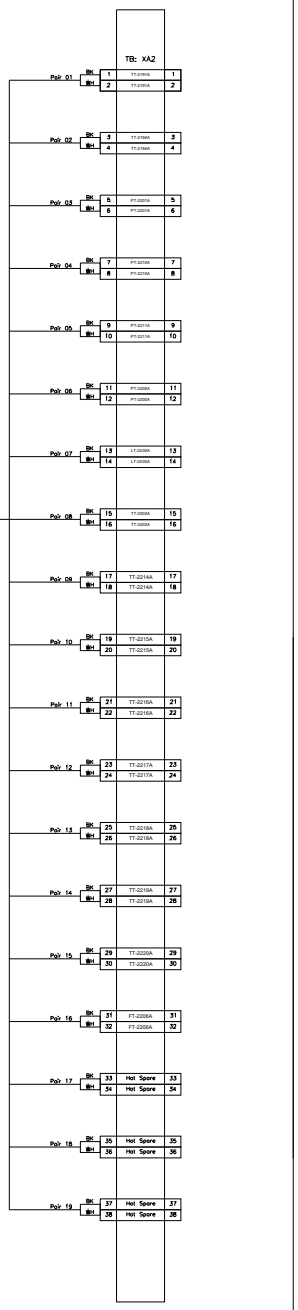
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IC-JBU-A-2101A
19Px1mm2
CU/PVC/SWA/PVC/ARE RETARDANT

OSCR to IC Bustar

UCP Cabinet UCP-2101 A



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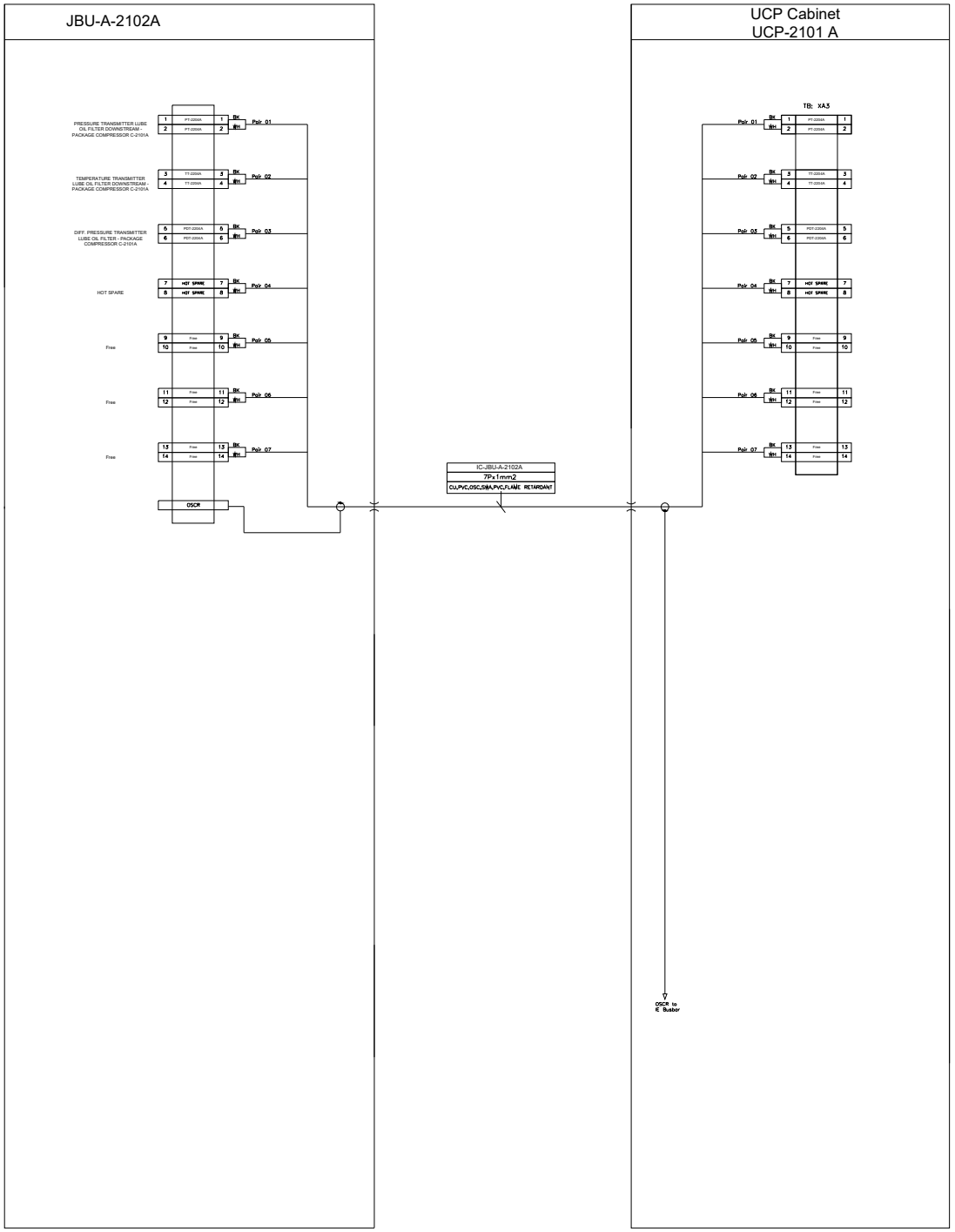
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BINAK OILFIELD DEVELOPMENT
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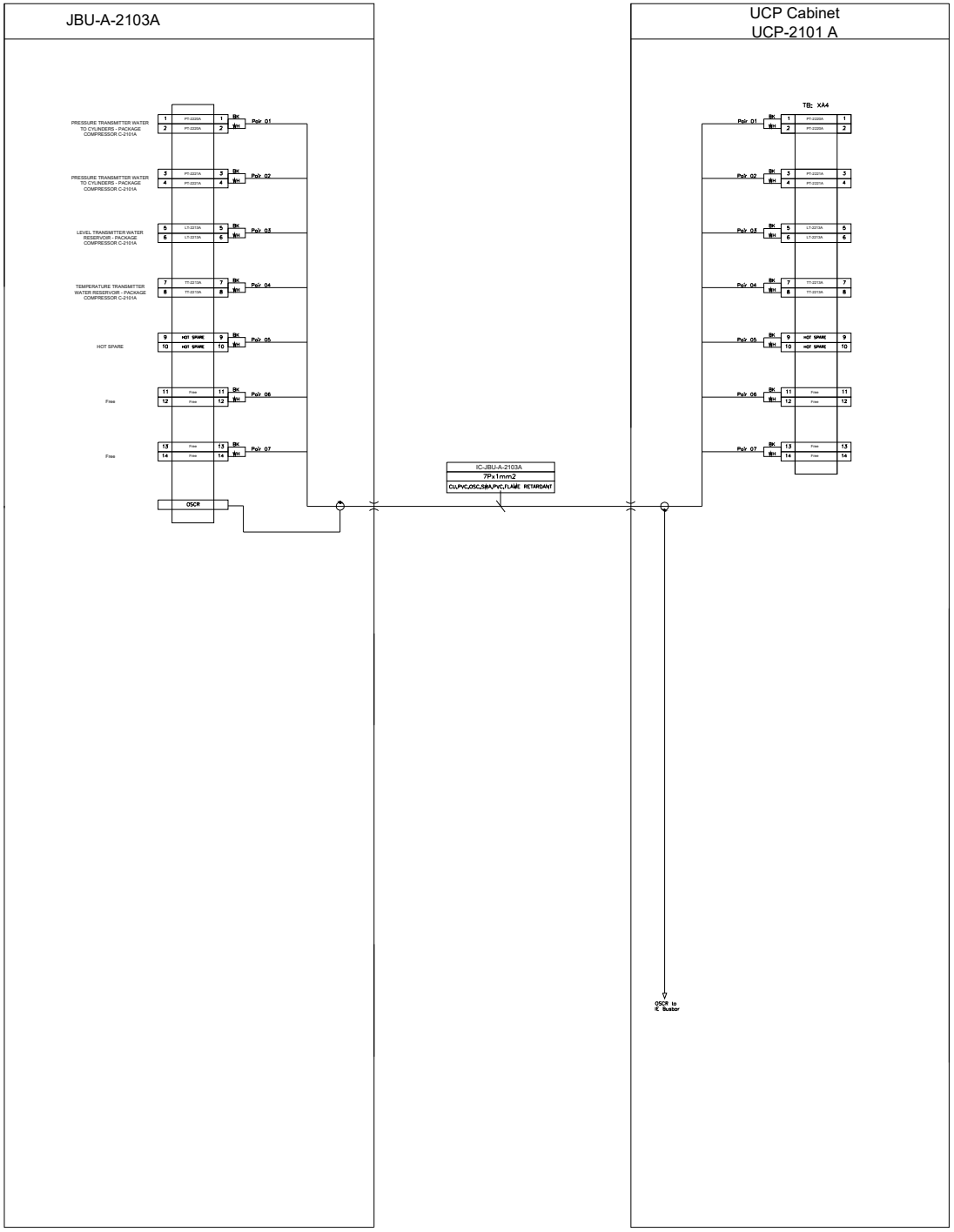
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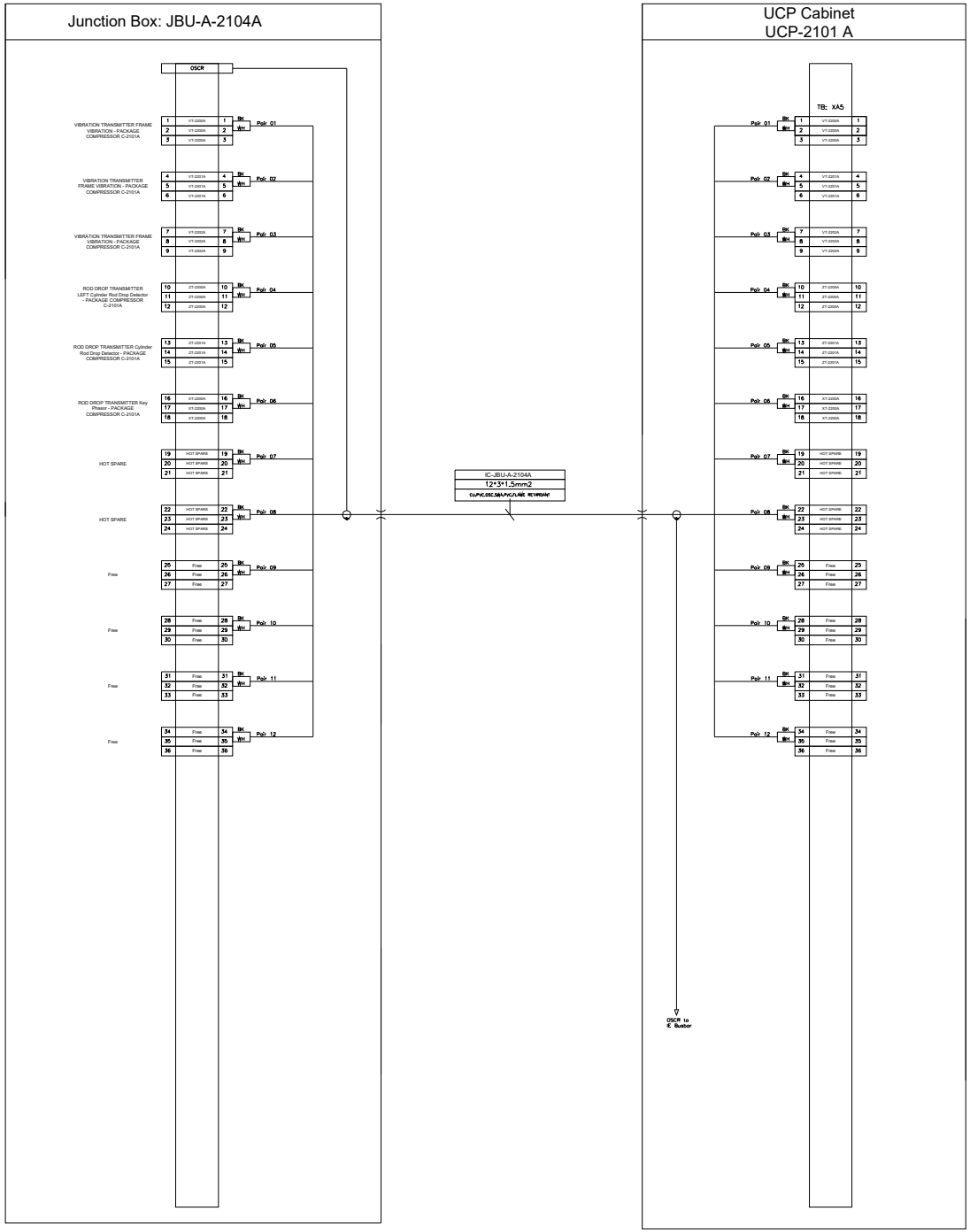
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
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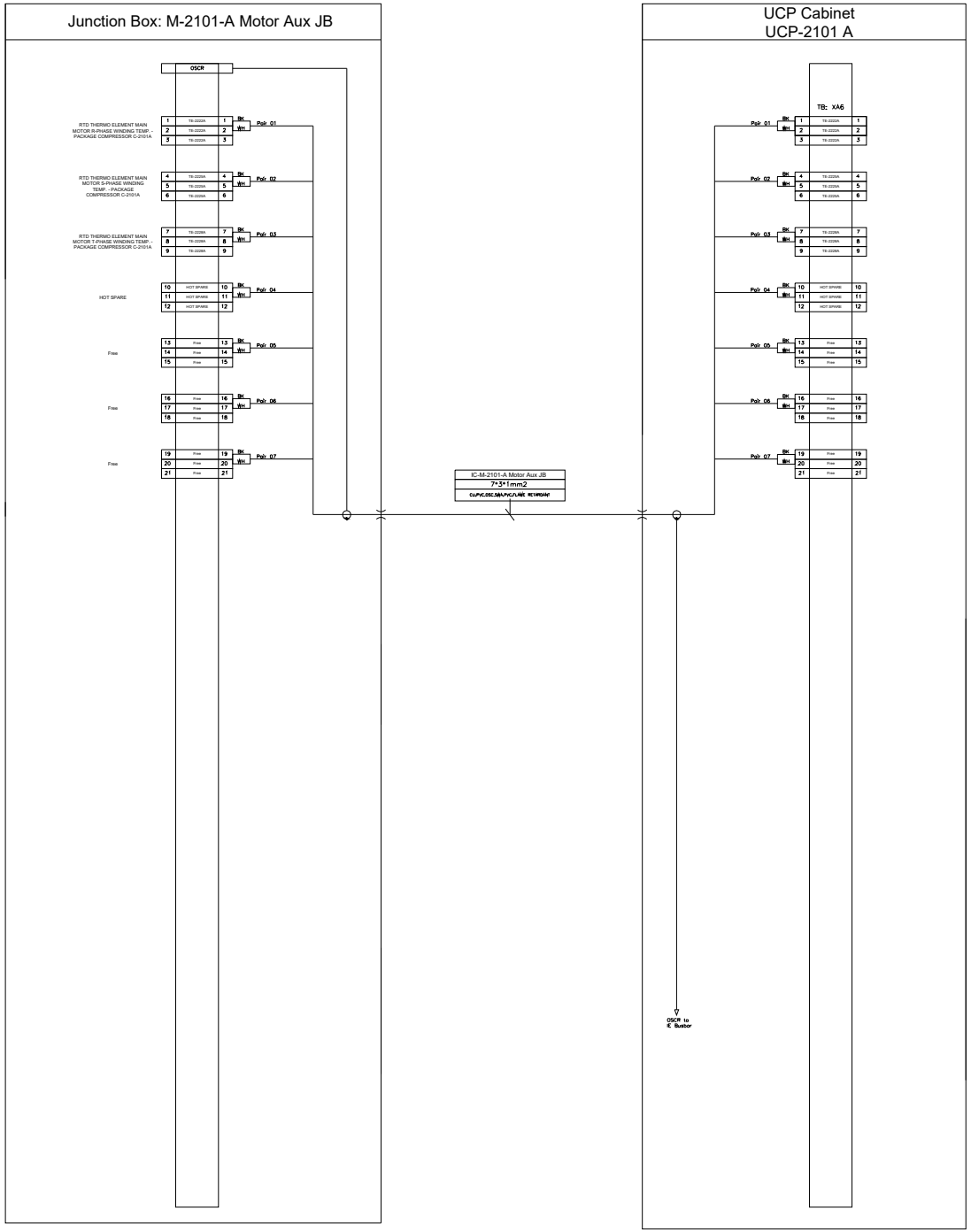
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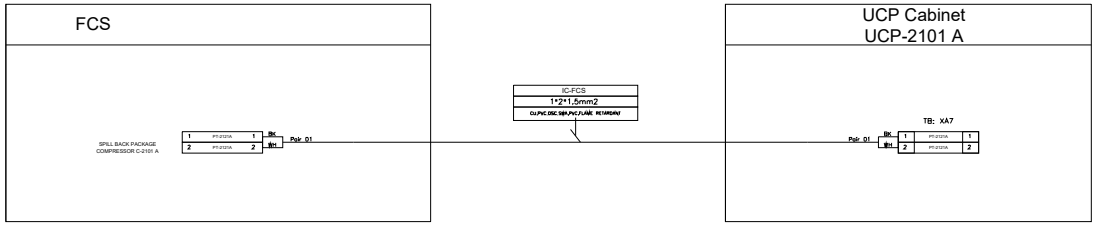
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

TERMINAL DETAILS
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NAVAYAN

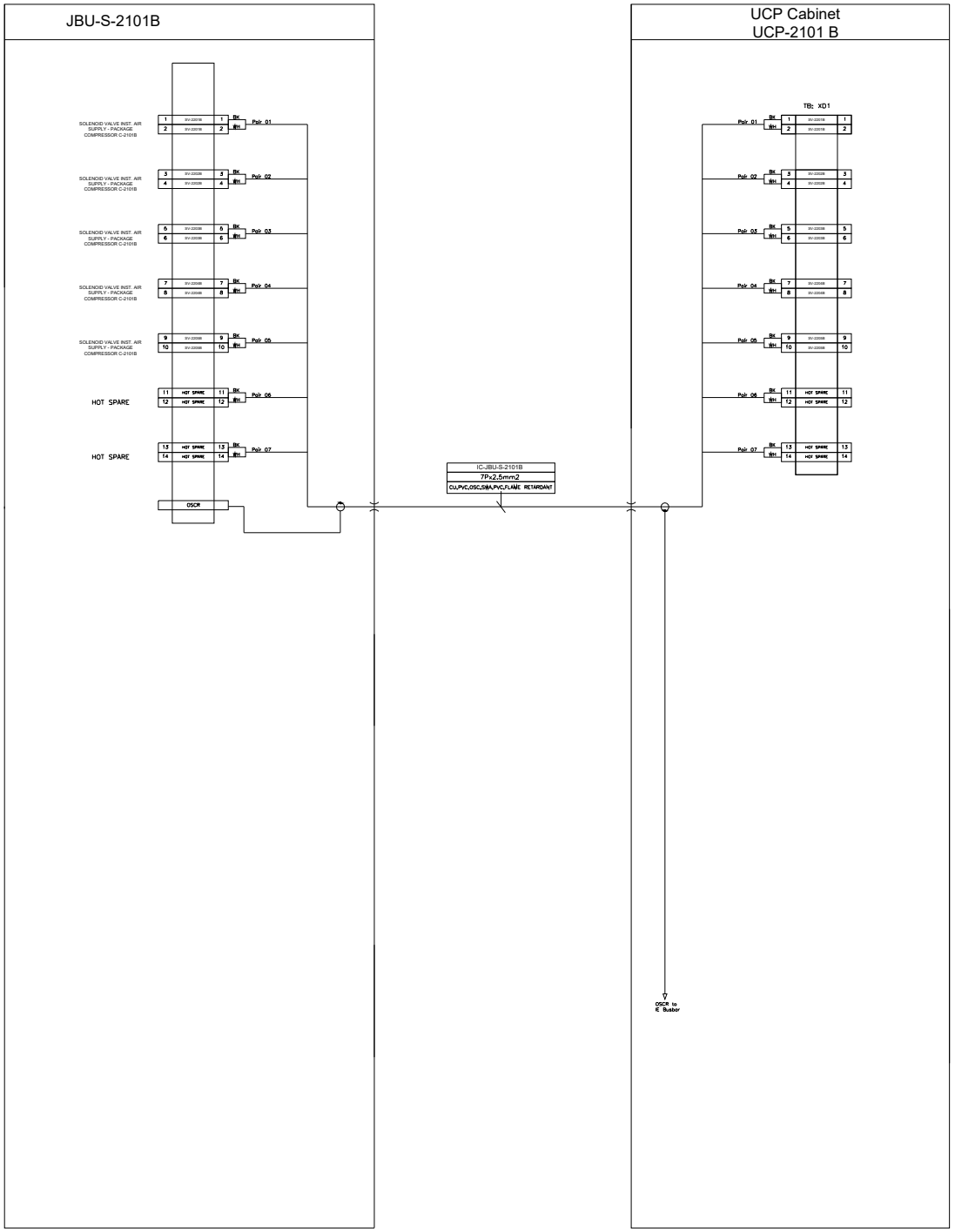
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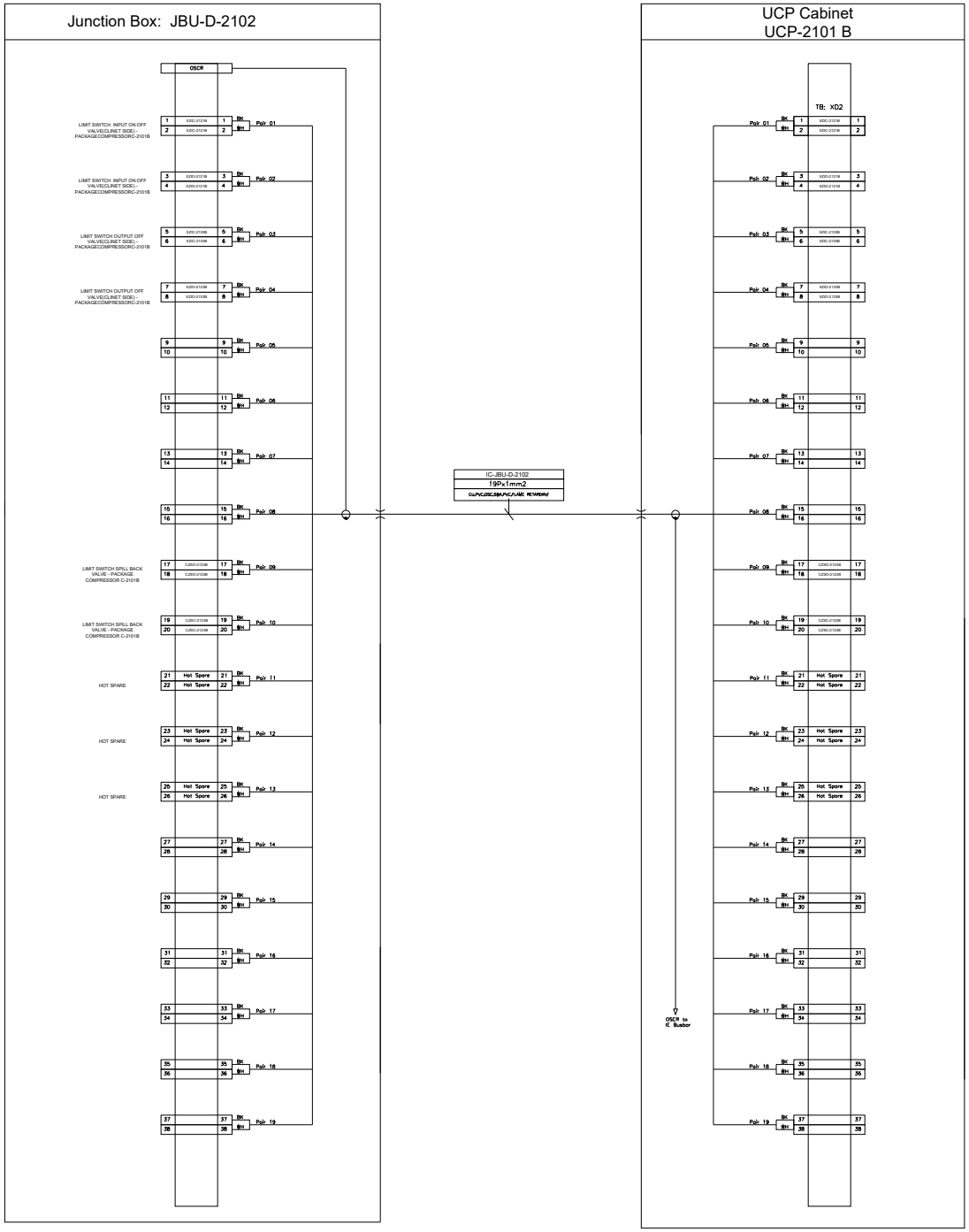
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HAVAYAR

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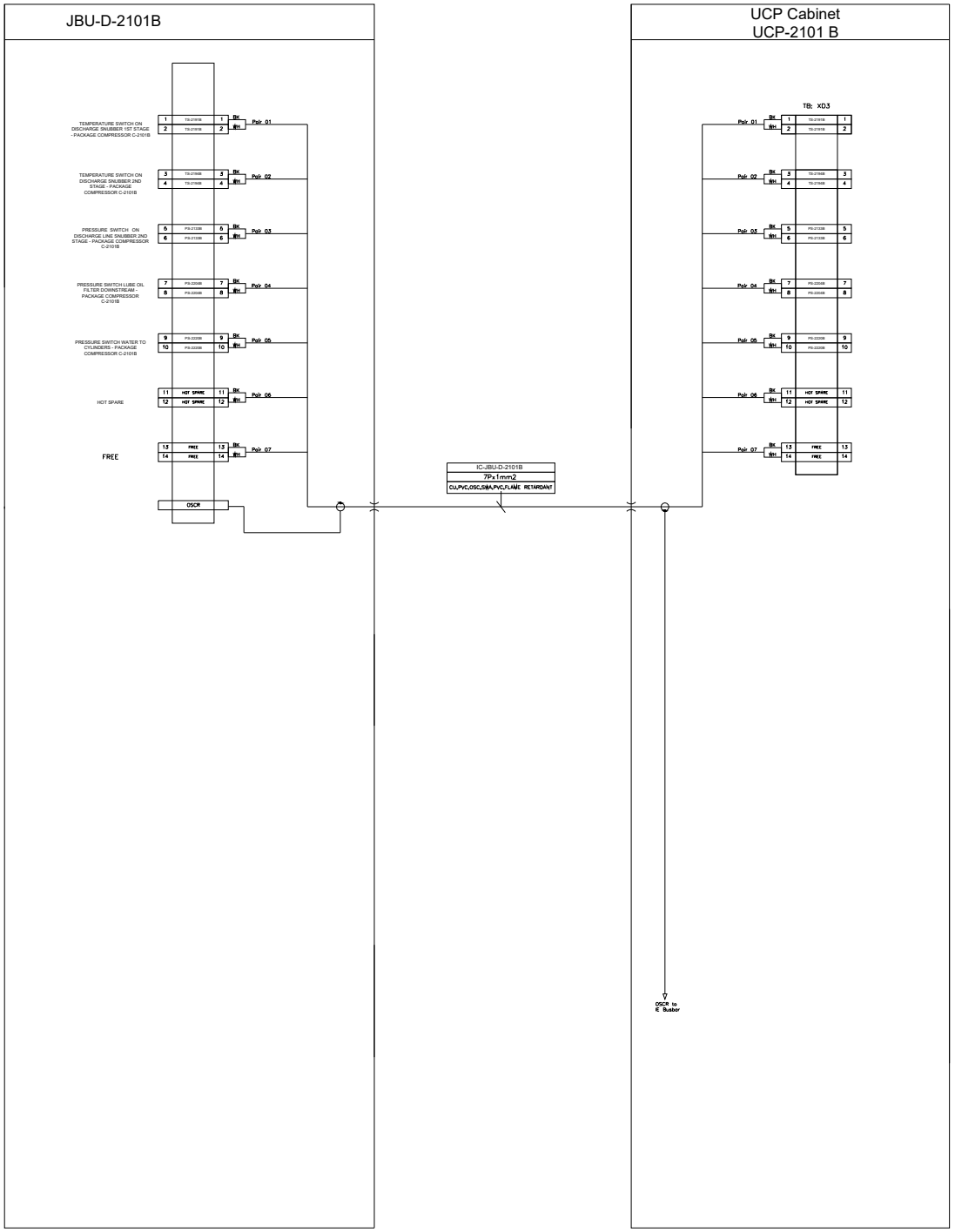
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APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	272 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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LEGEND

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KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE
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***	**********	** **	*** ****	** **	*** ****
V00	FEB.2024	IFR	A.Tamjidi	P.Golcari	R.Dehghan
REV.	DATE	P.O.I.S	PREP.	CHK.	APP. AUT.

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR:

EPD/EPC CONTRACTOR (GC): PEDCO

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

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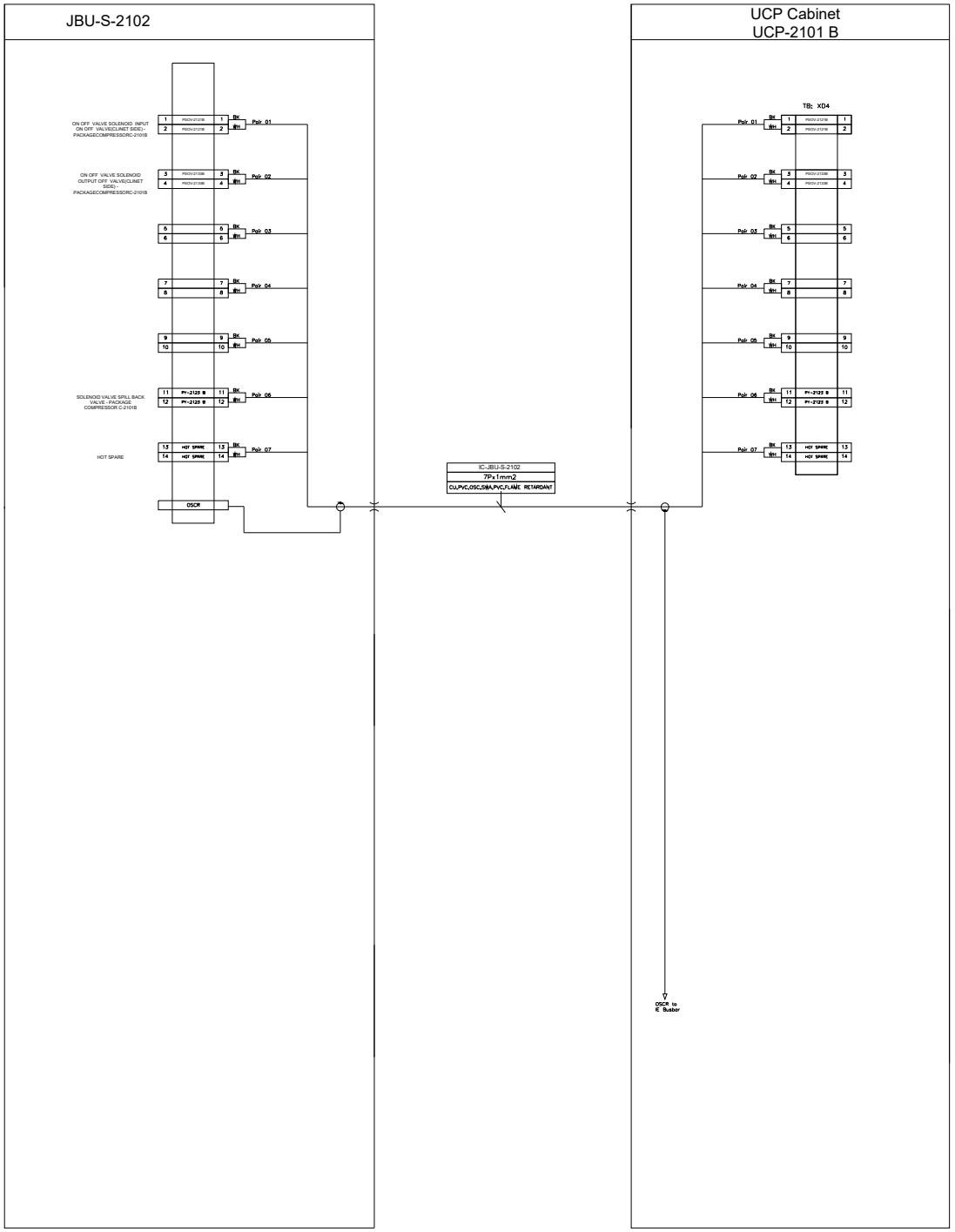
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	273 OF 335	V00

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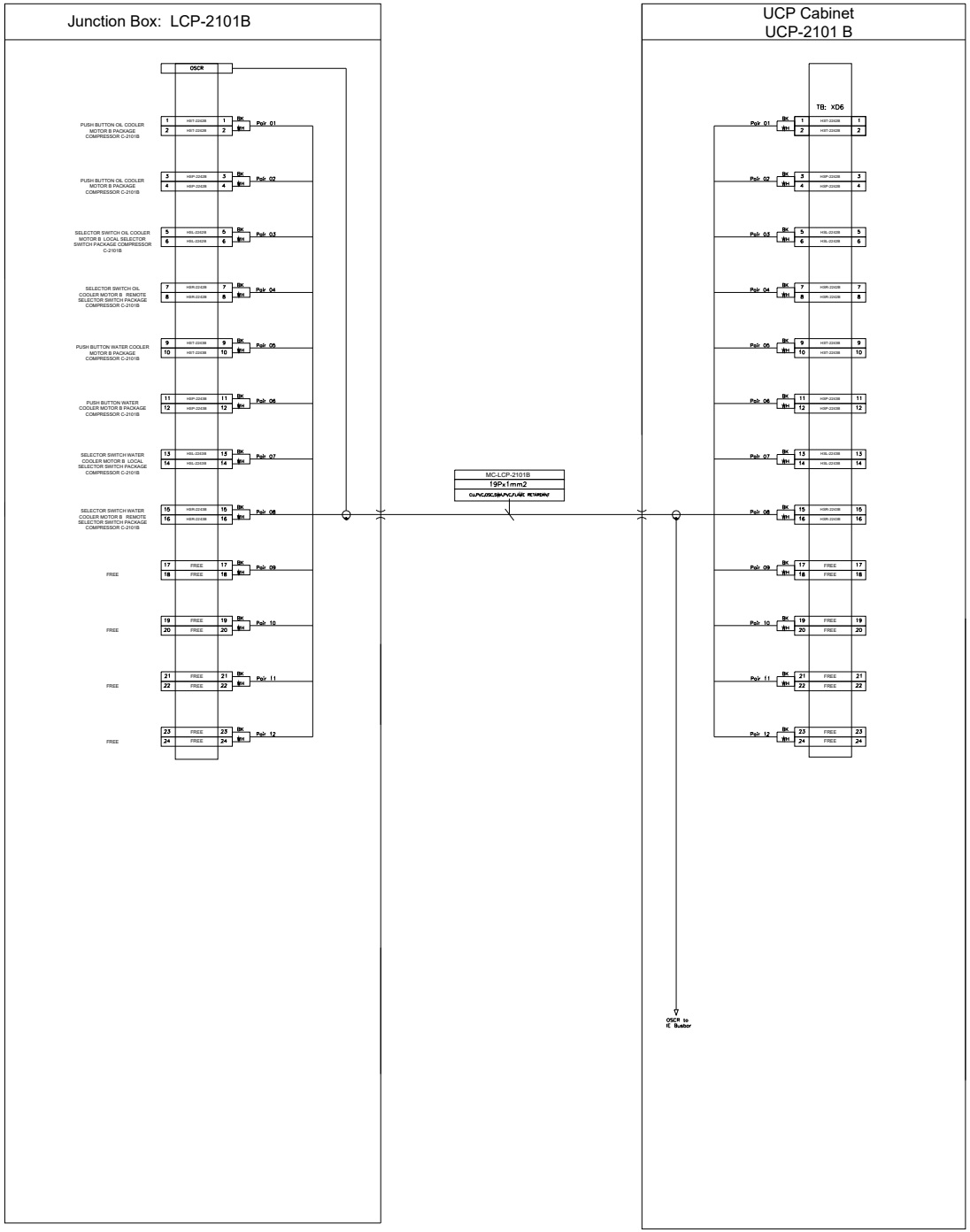
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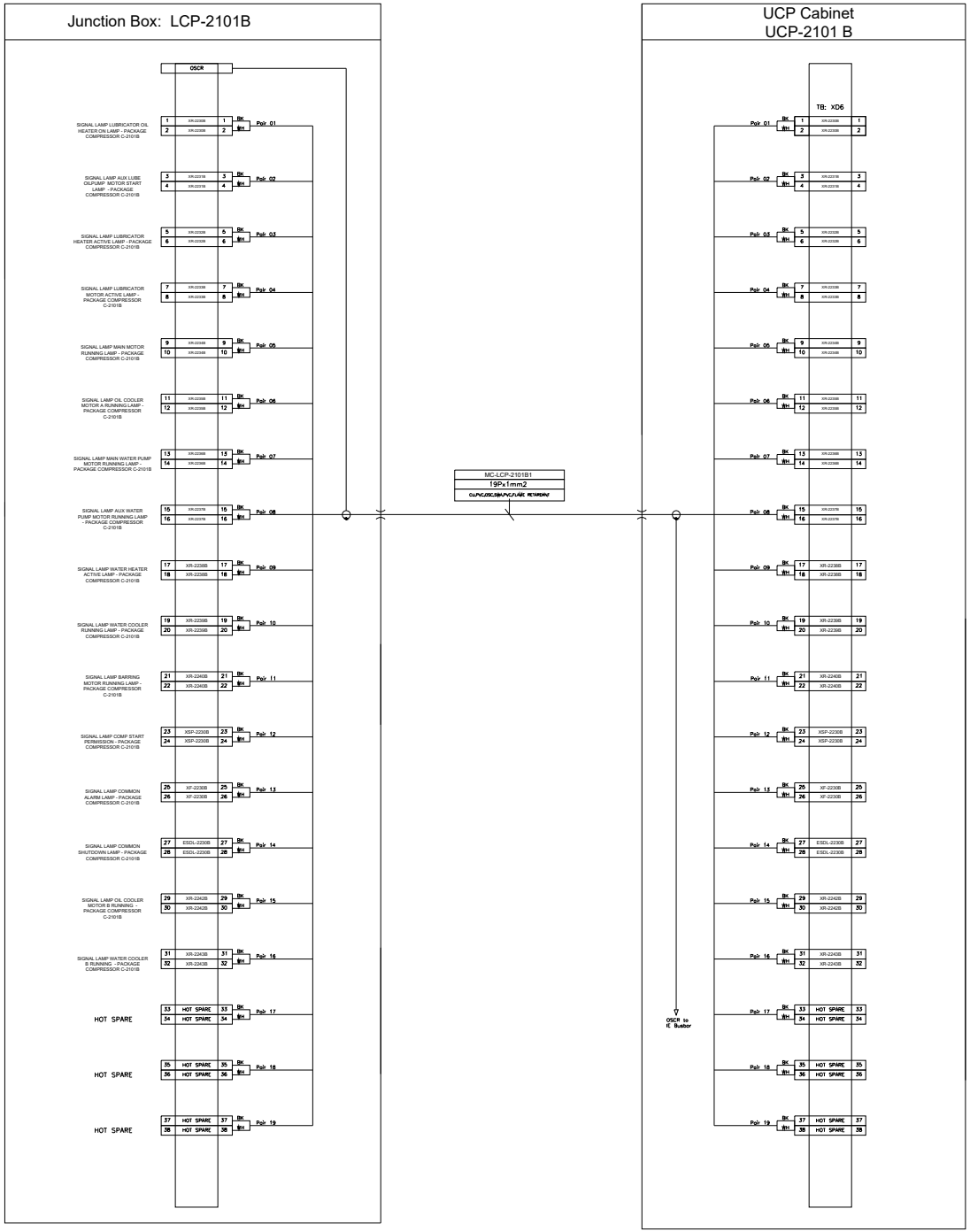
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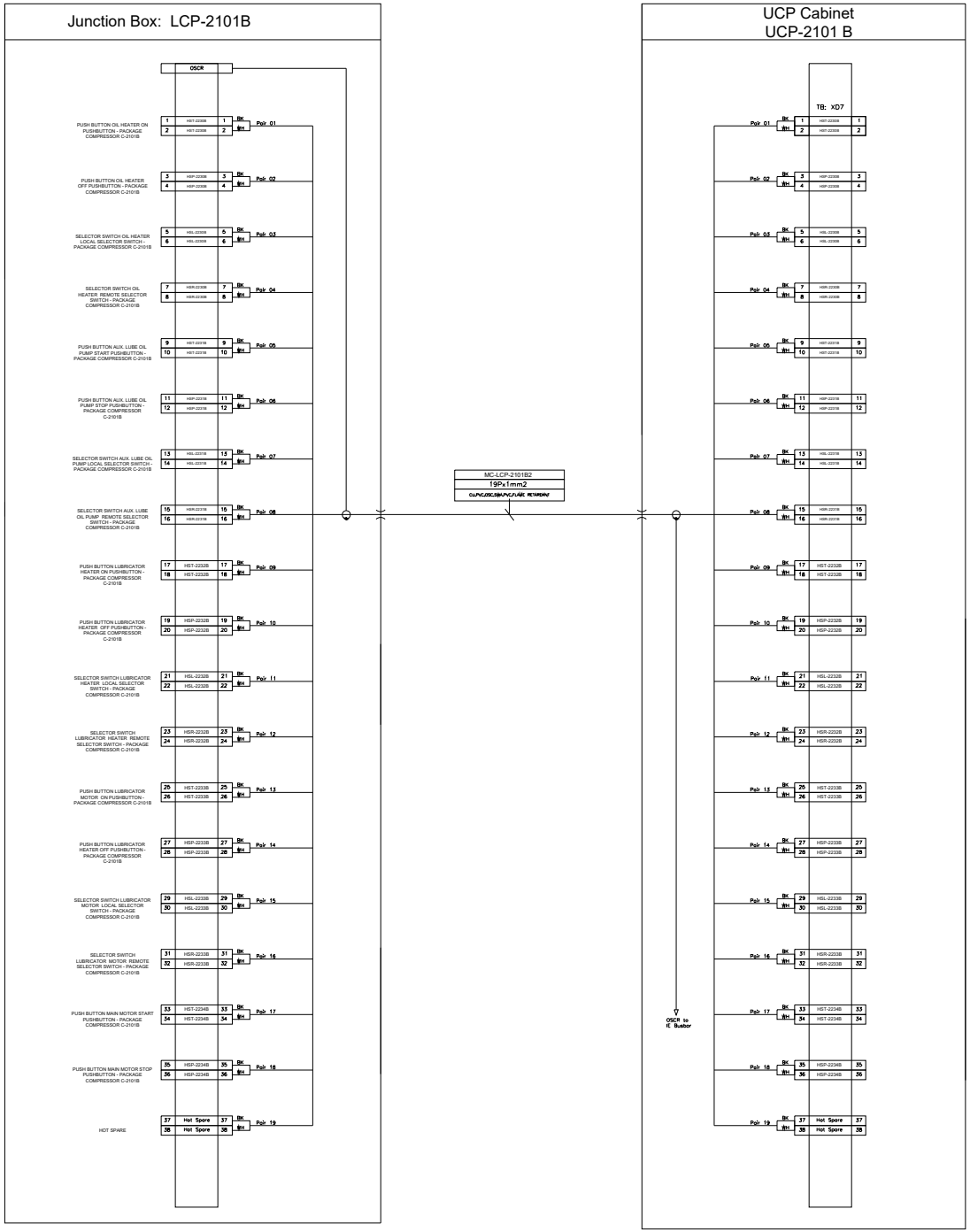
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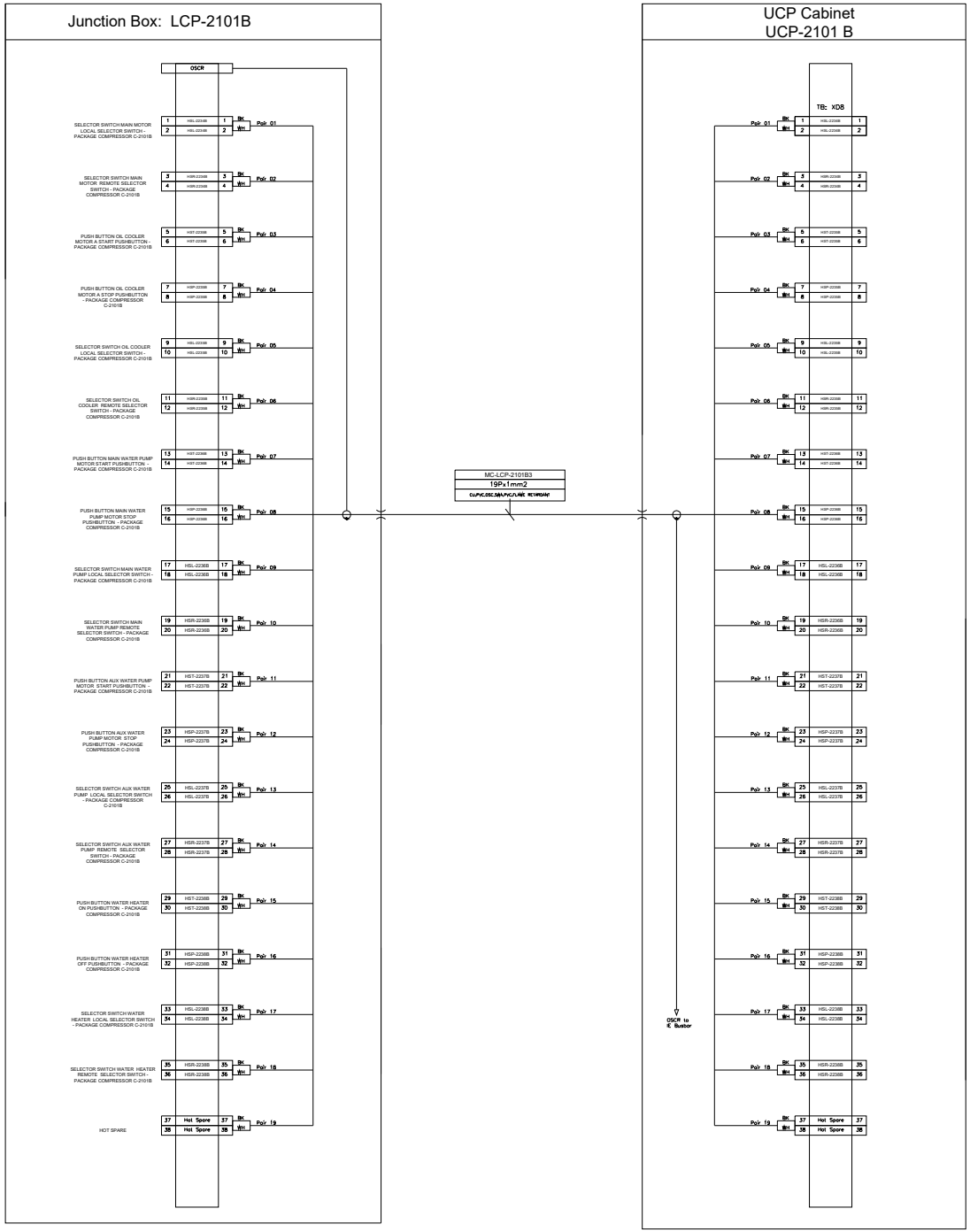
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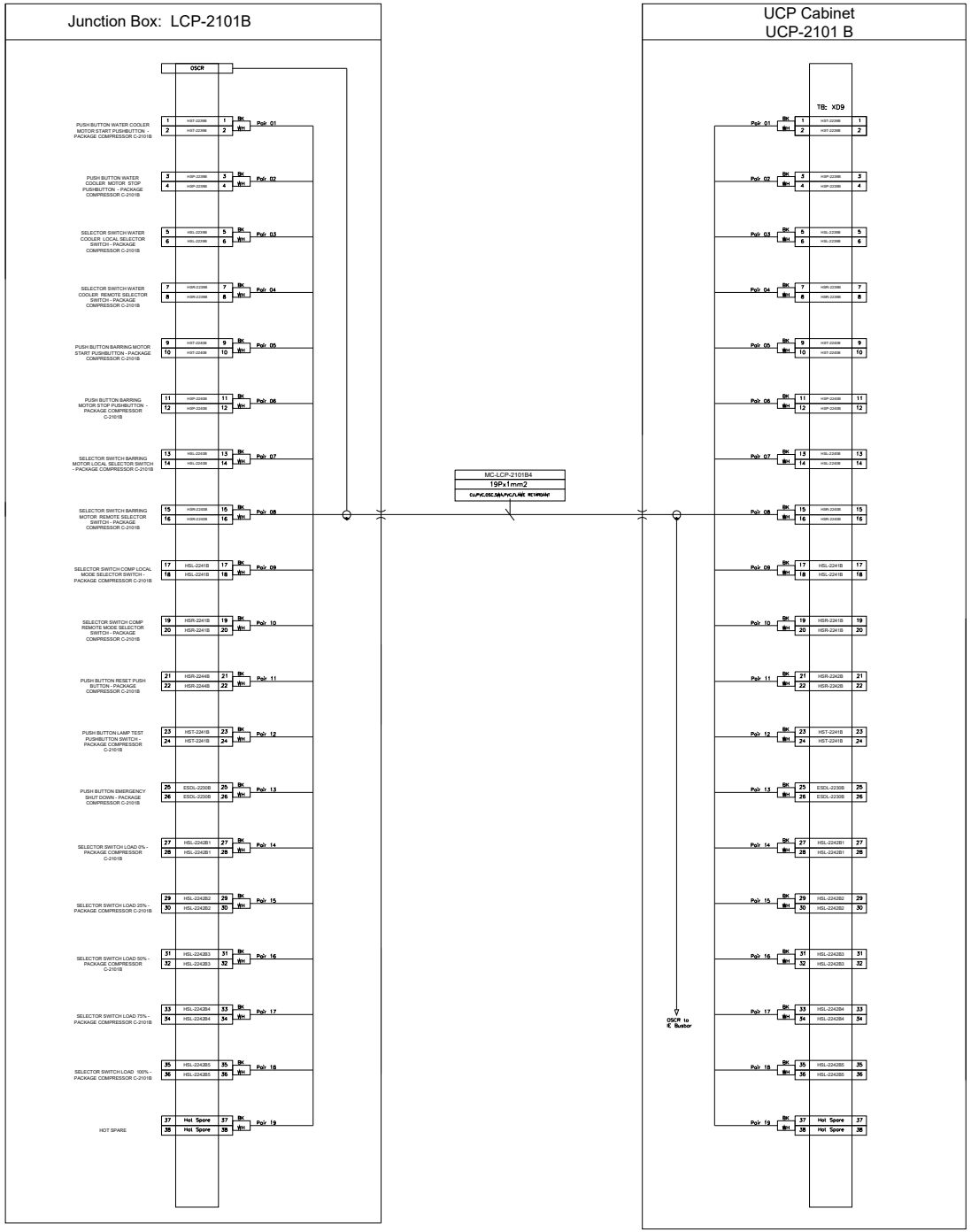
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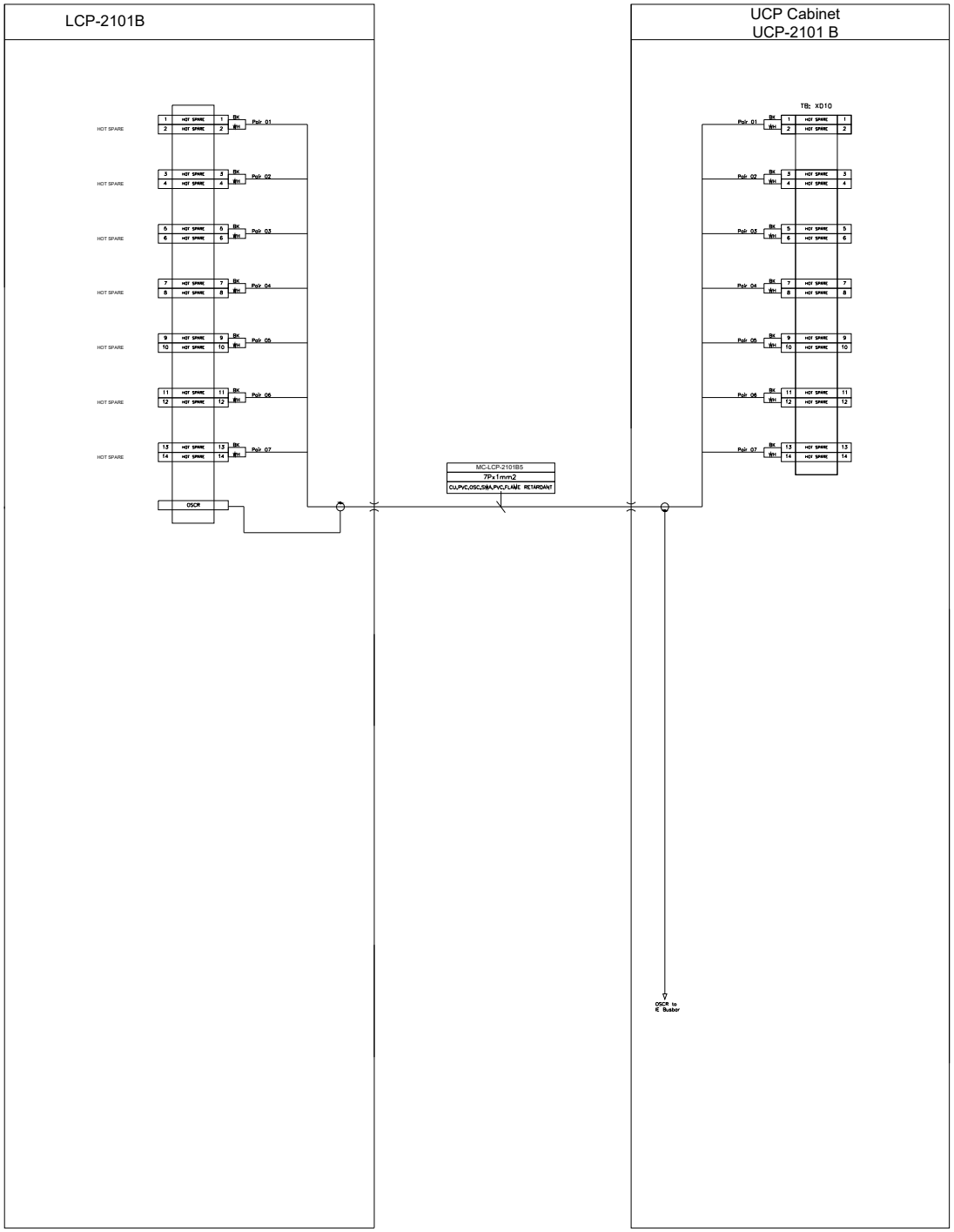
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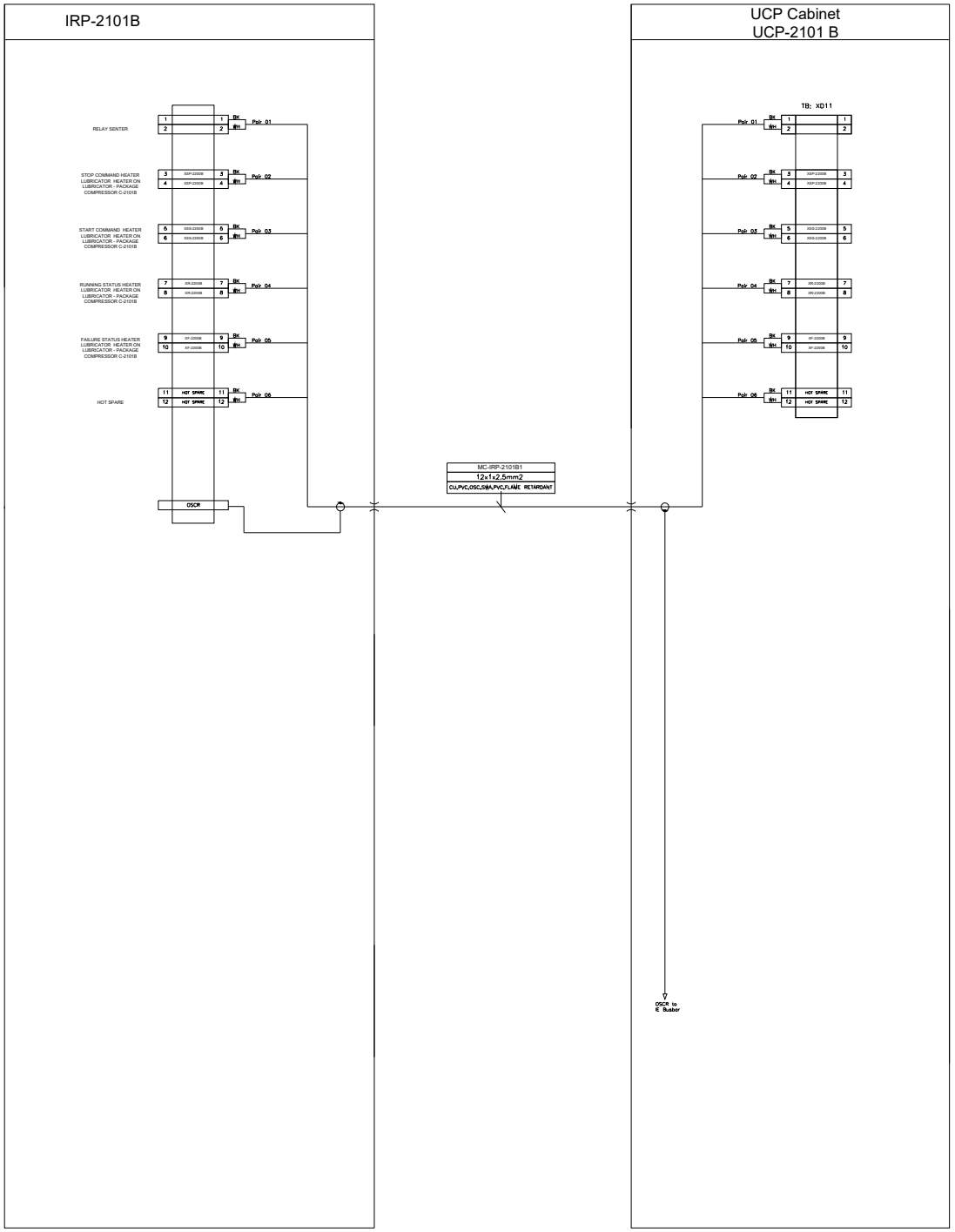
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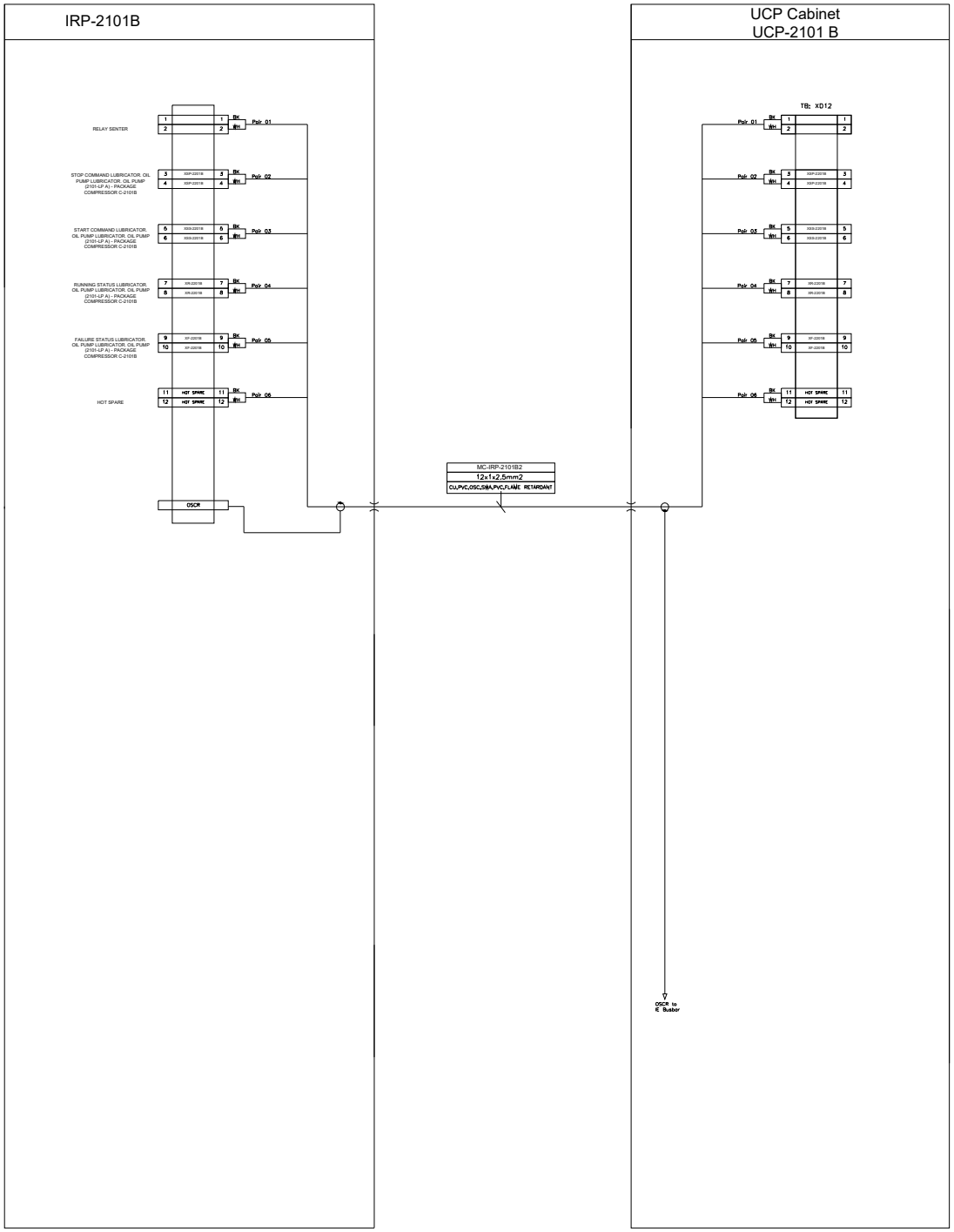
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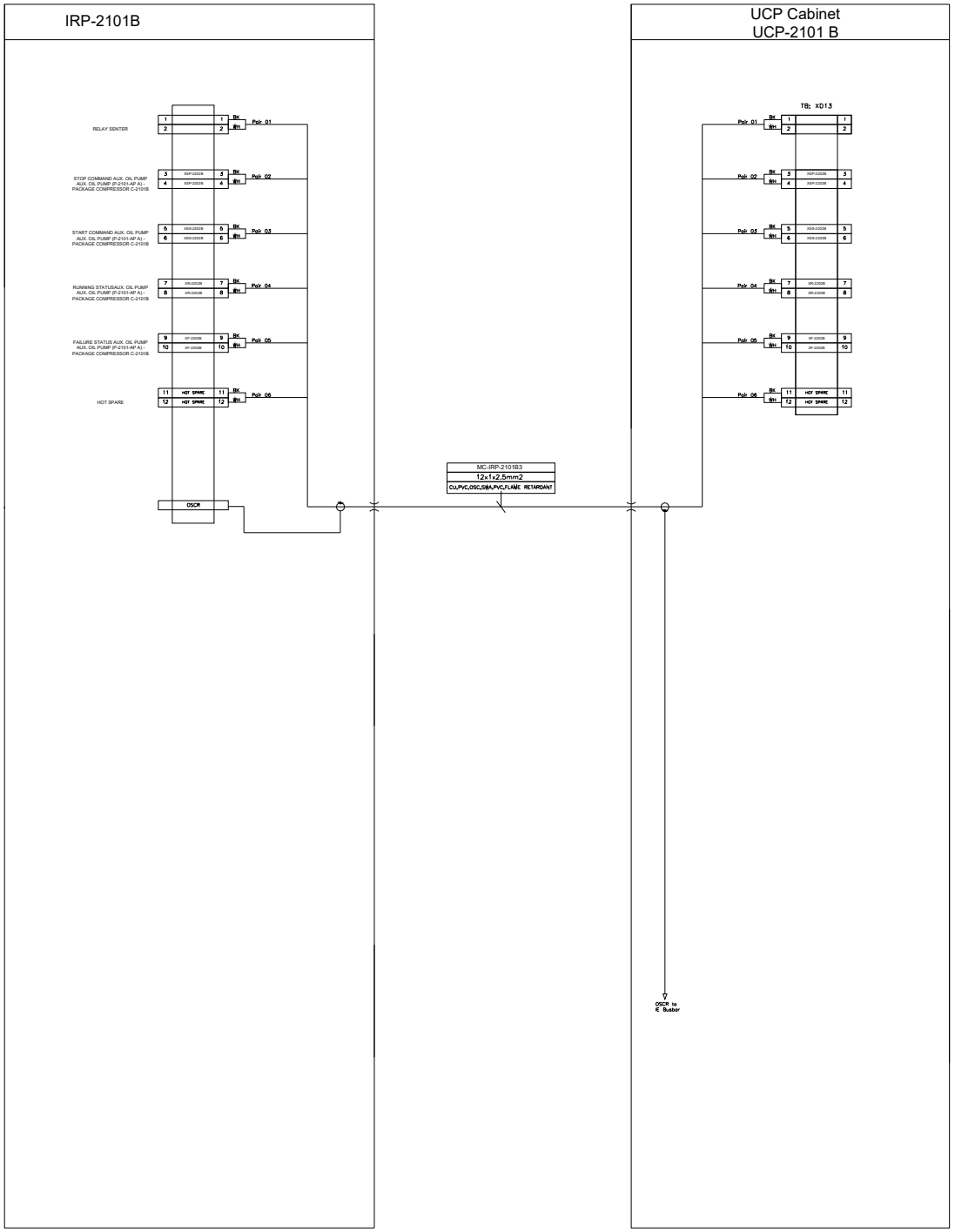
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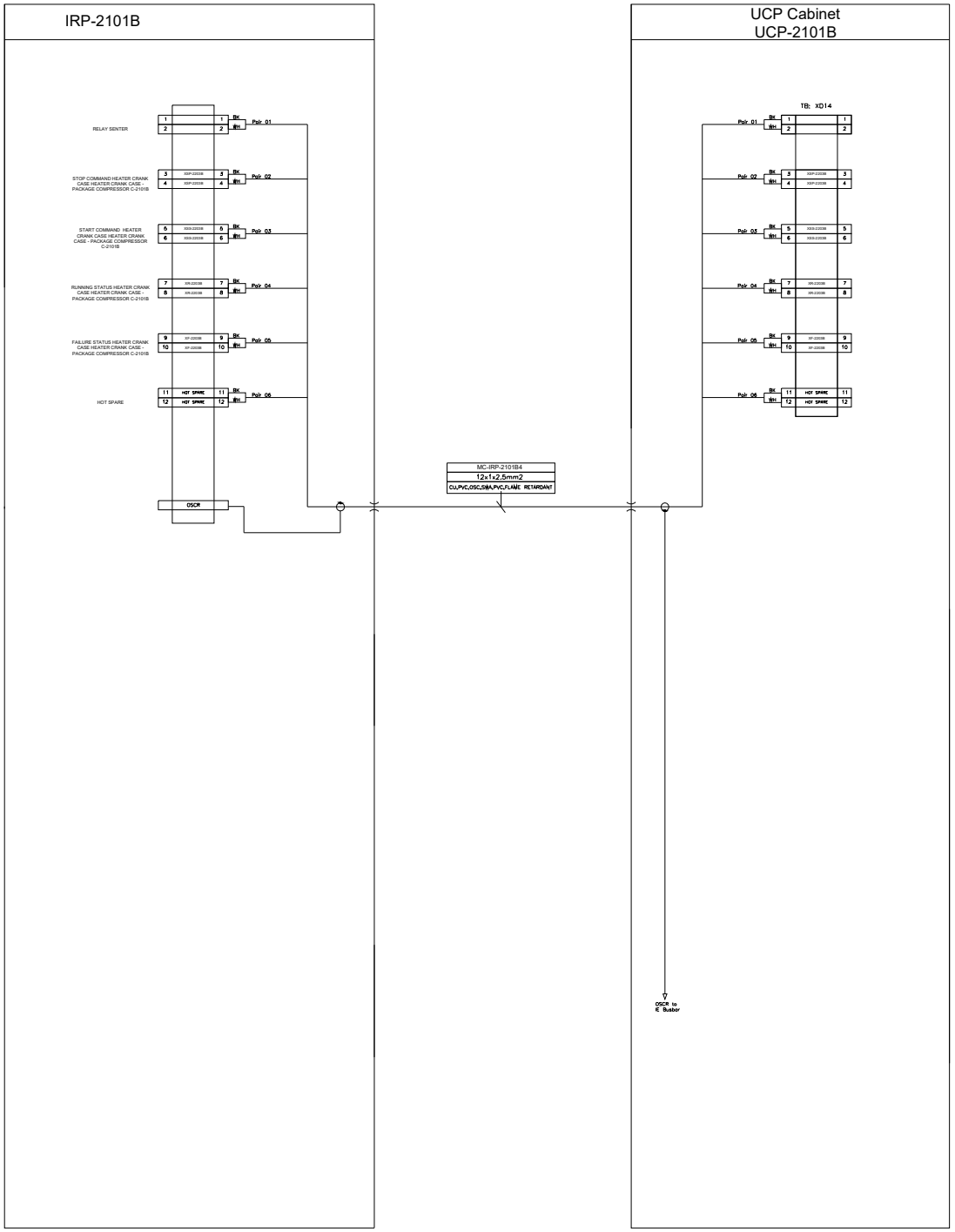
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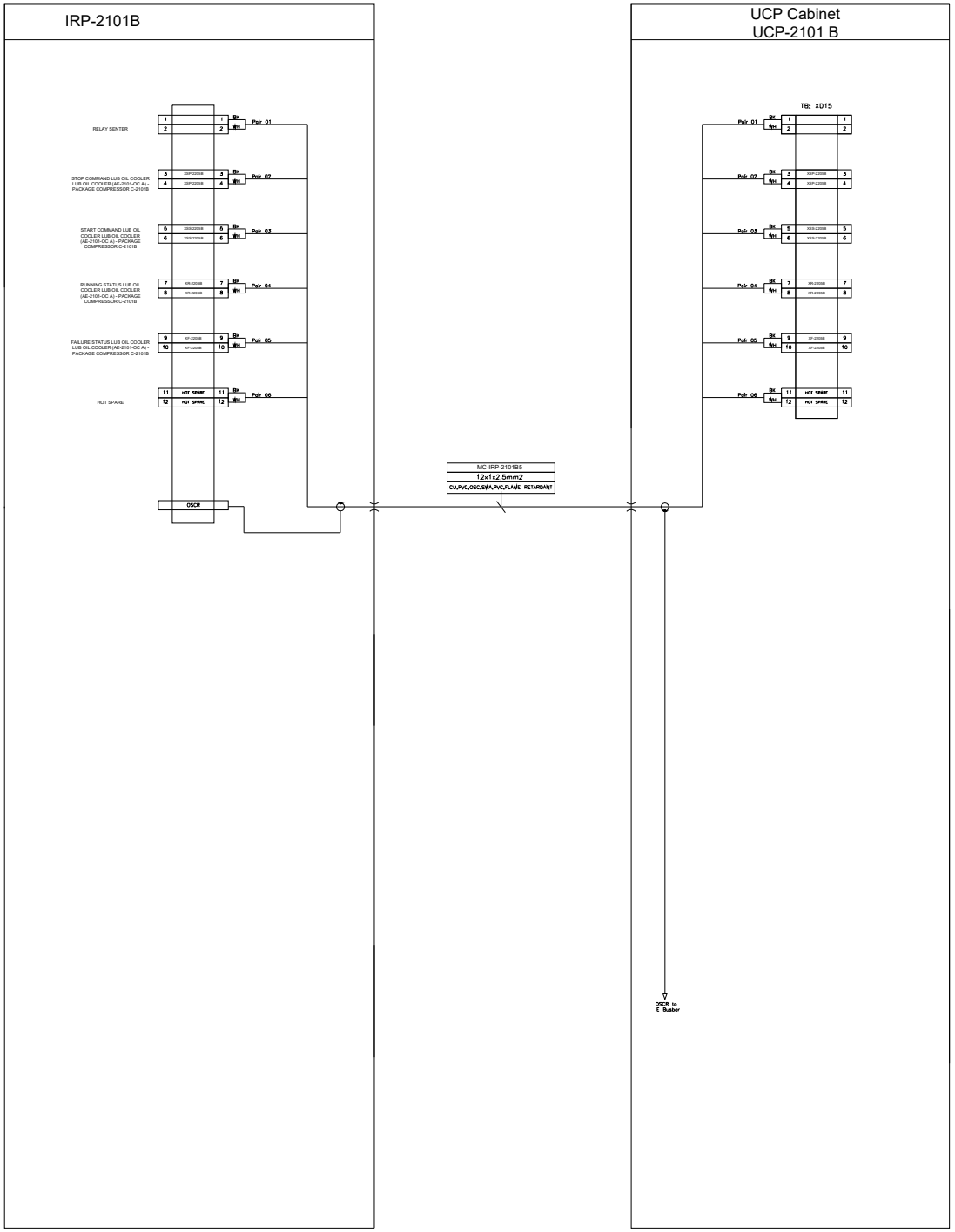
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NAVAYAN

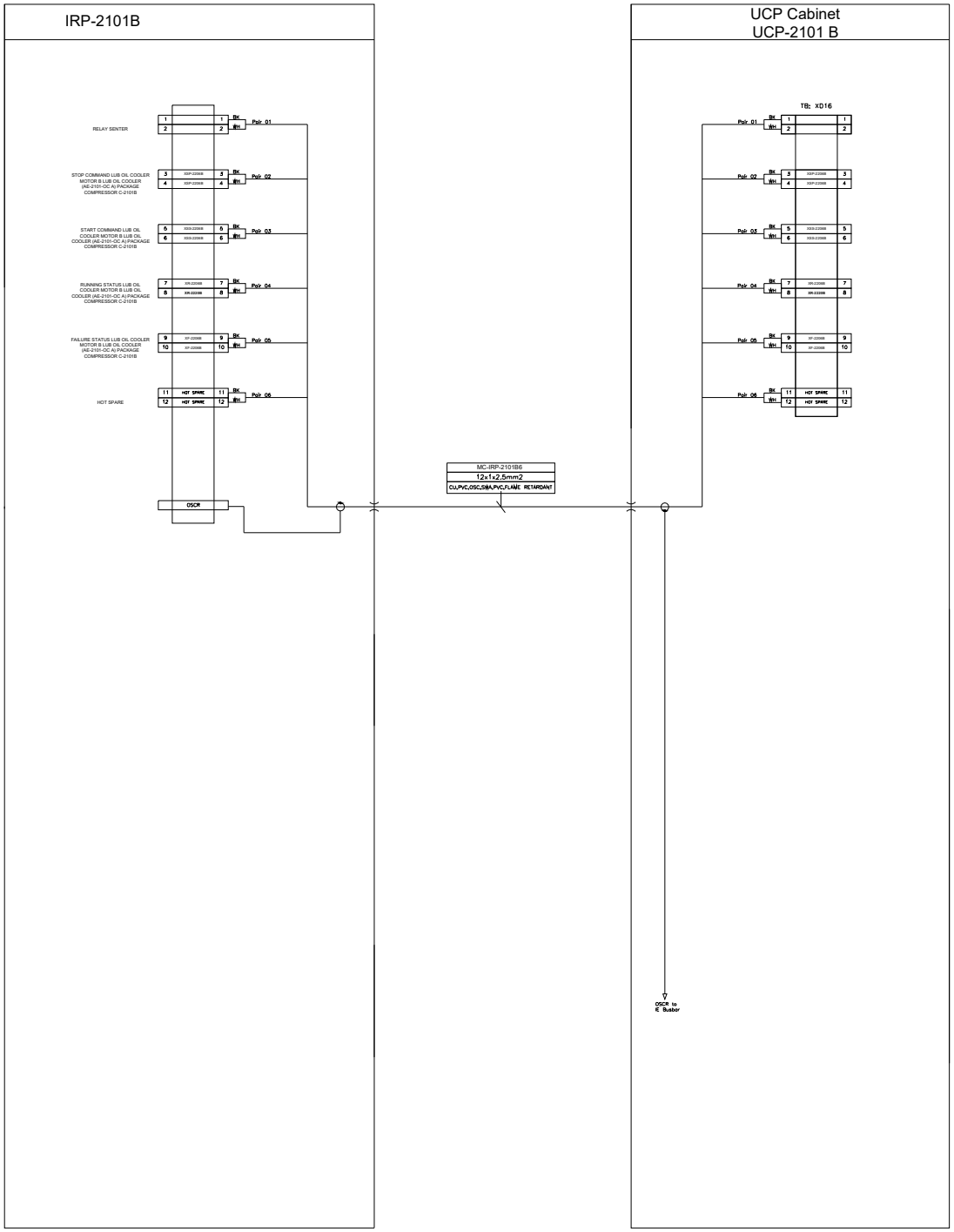
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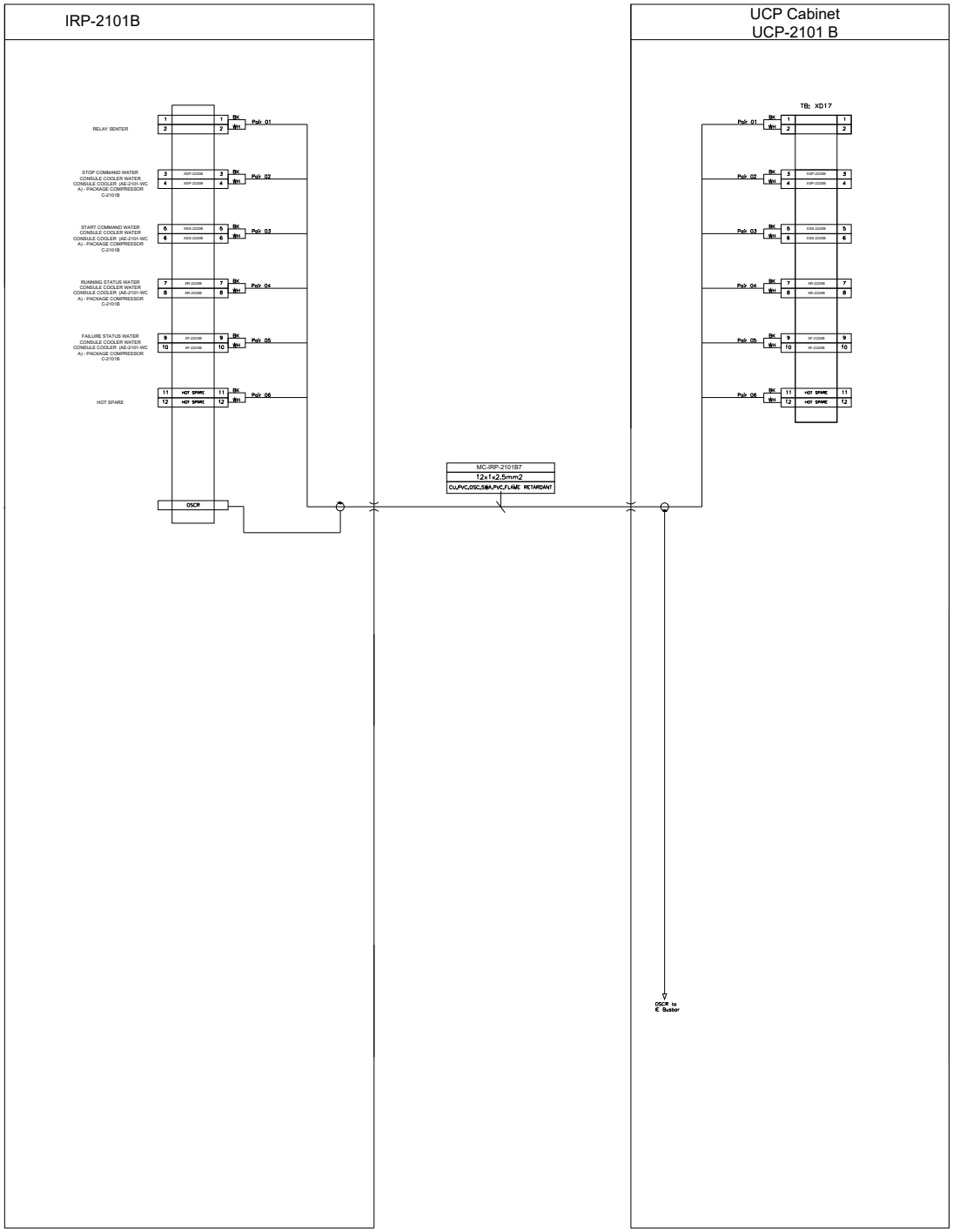
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	286 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



NOTES

LEGEND

REFERENCE DRAWING	DRG. No.
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KEY PLAN

REV.	DESCRIPTION	DATE	BY	DATE	BY
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		CHECKED		REV. APPR.	

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Colcari	R.Dehghan	

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR:

EPD/EPC CONTRACTOR (GC): PEDCO

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

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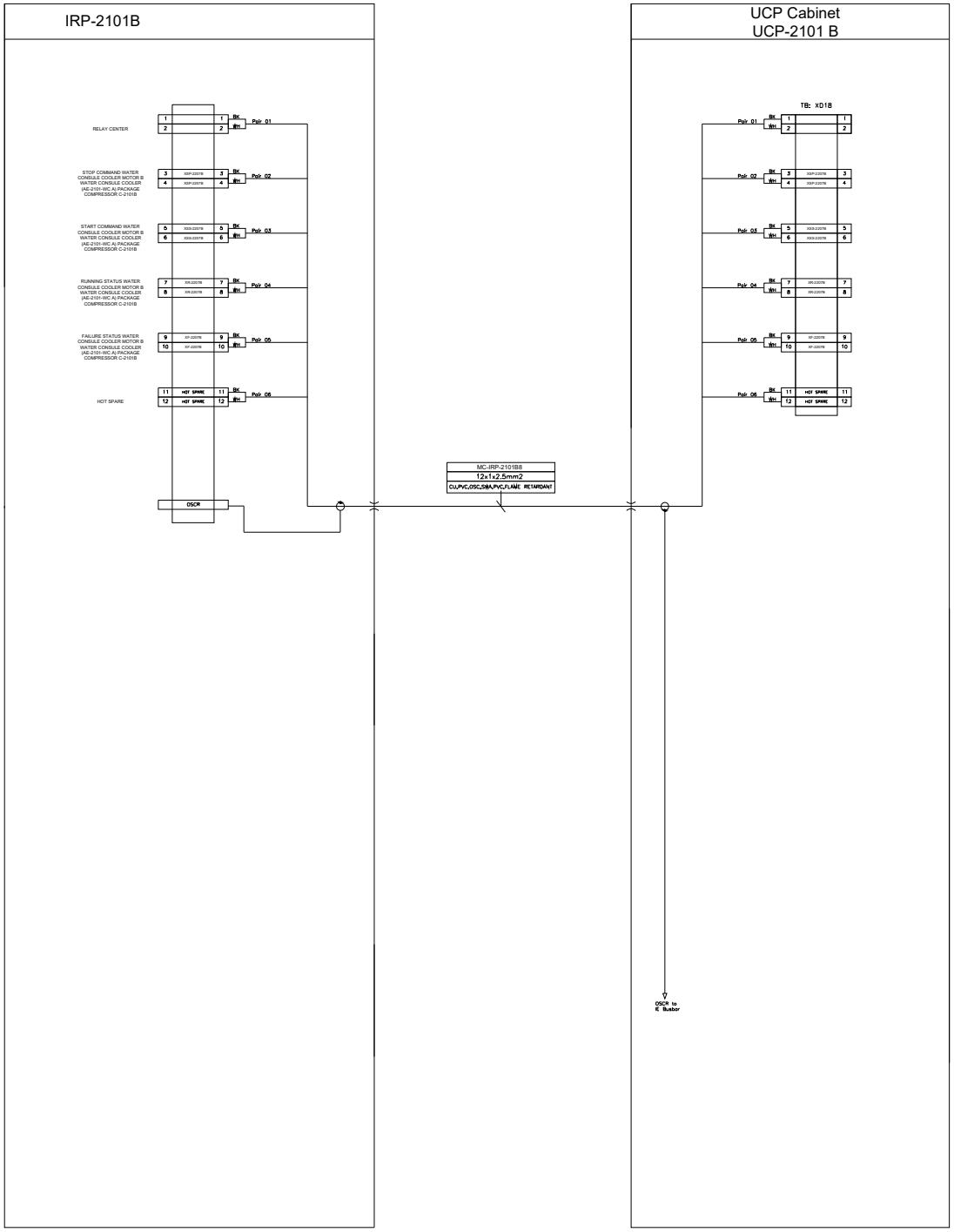
DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-OCS-HY-120-IN-DG-0001	287 OF 335	V00

APPROVED FOR CONSTRUCTION	BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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BINAK OILFIELD DEVELOPMENT
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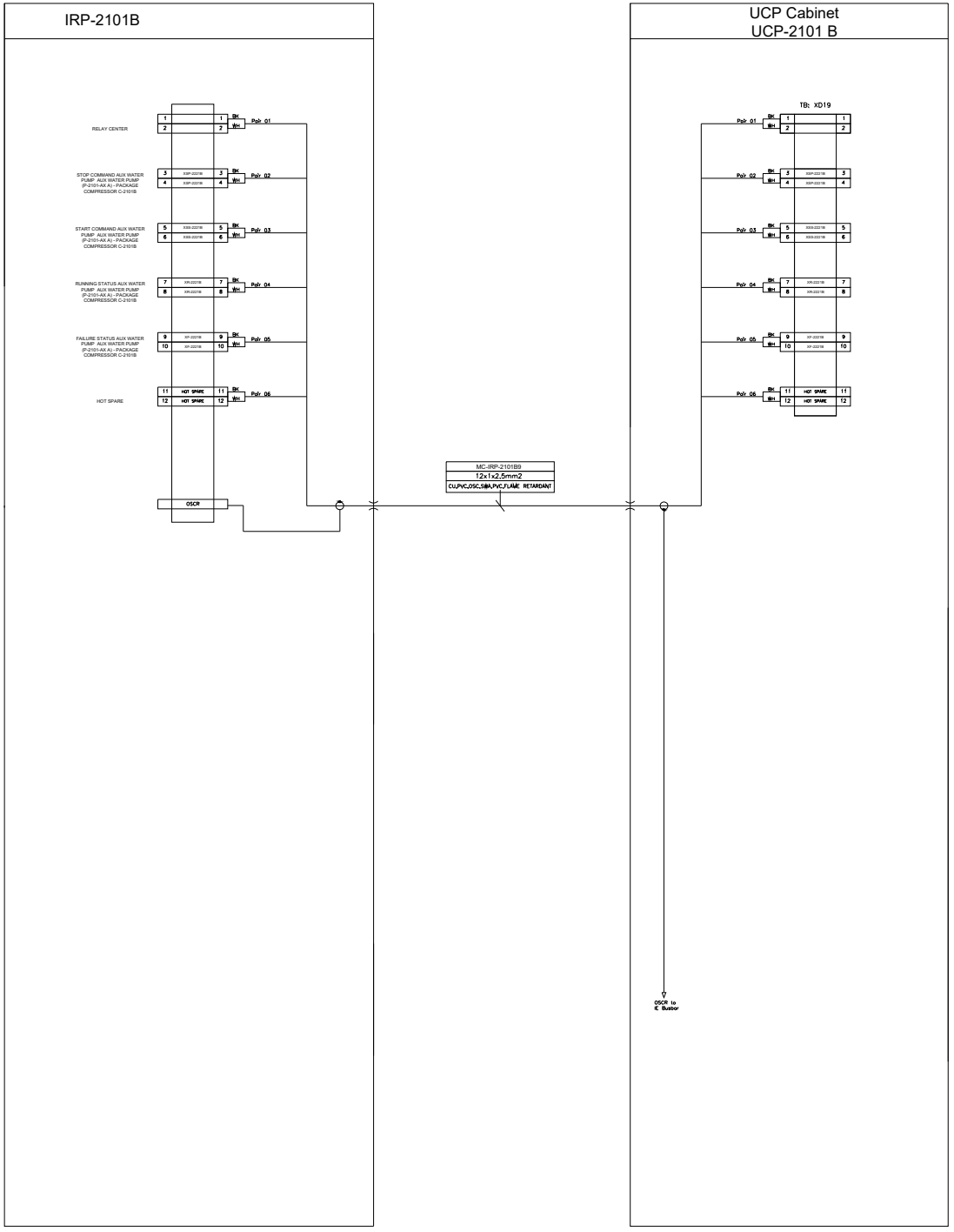
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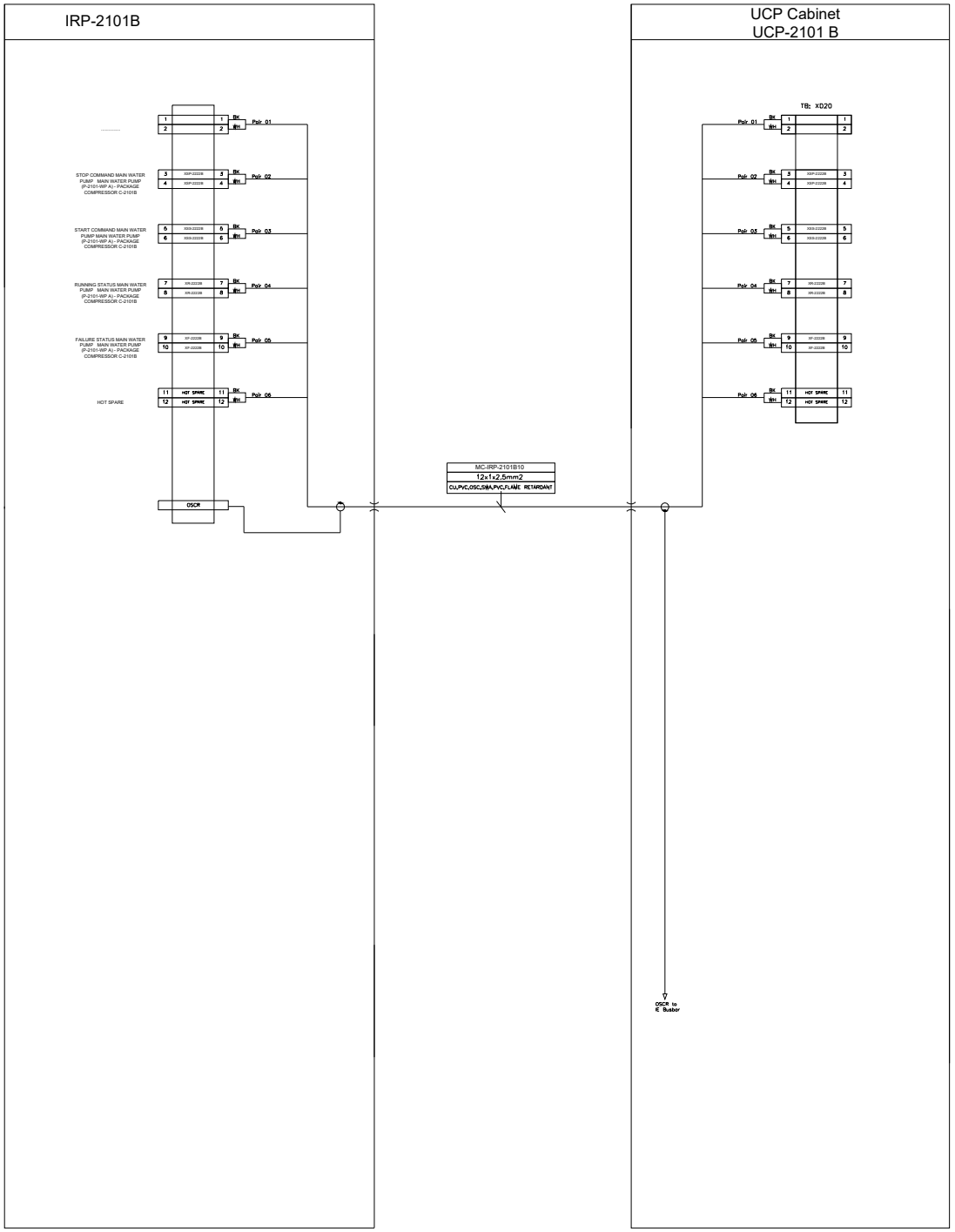
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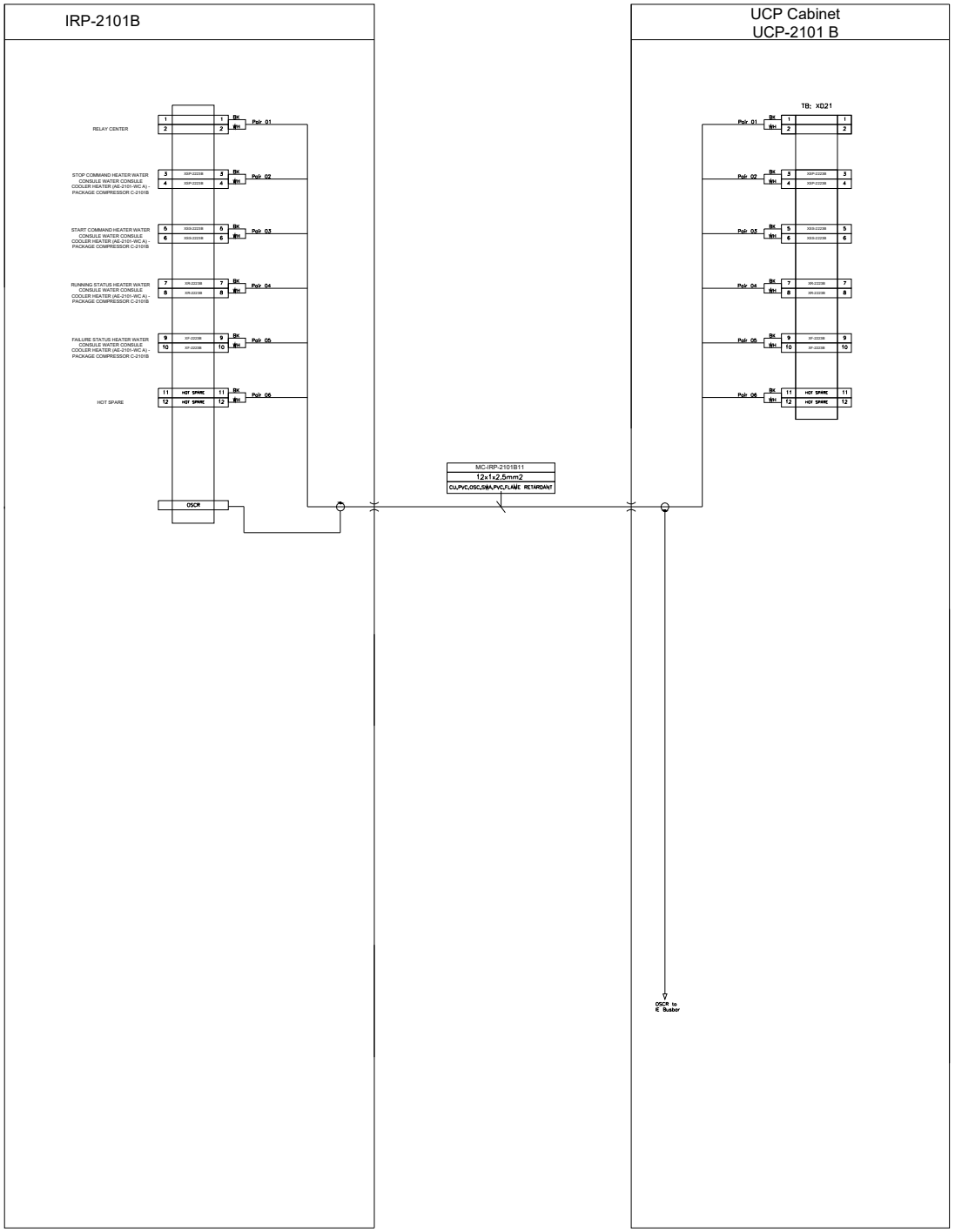
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NAVAYAN

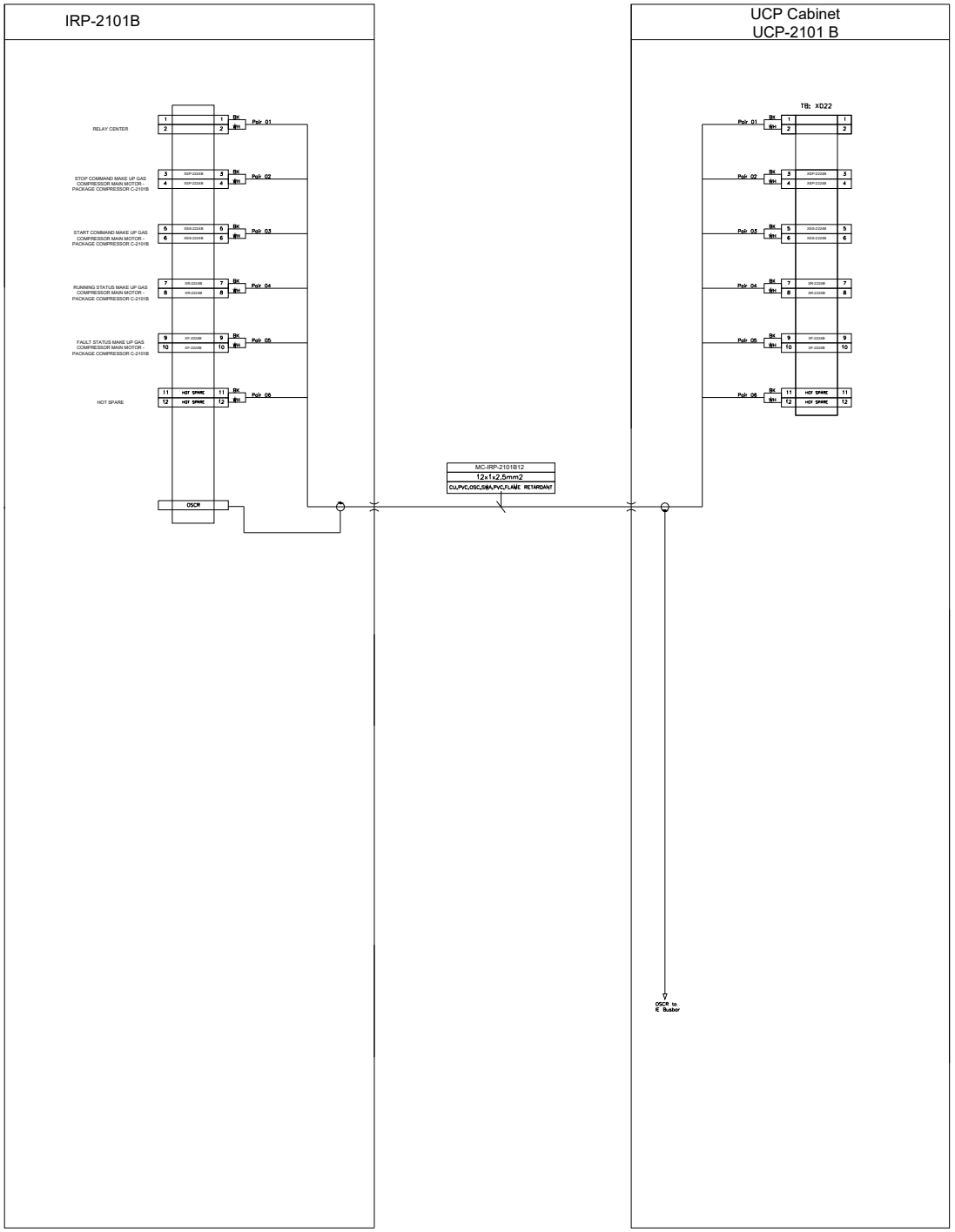
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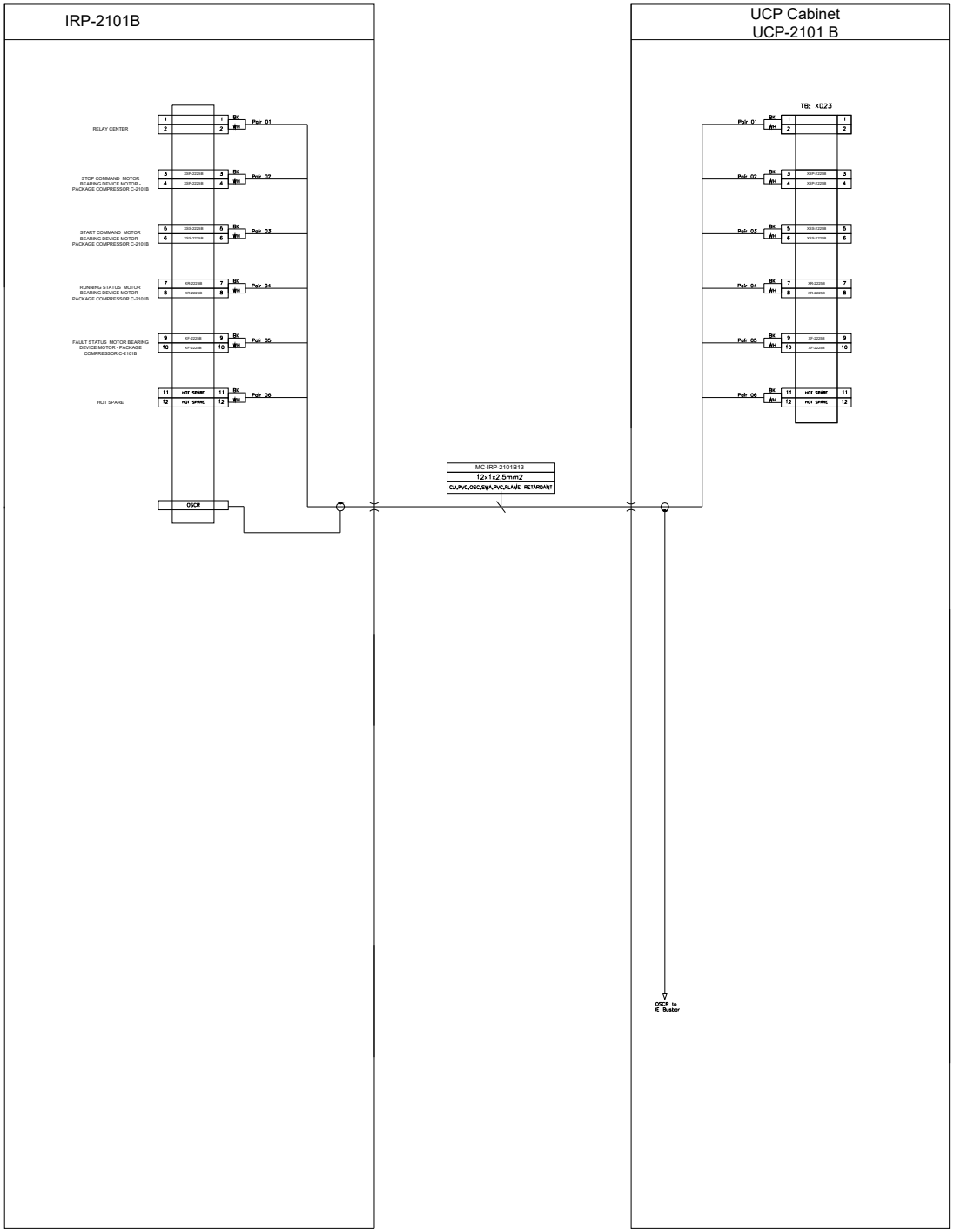
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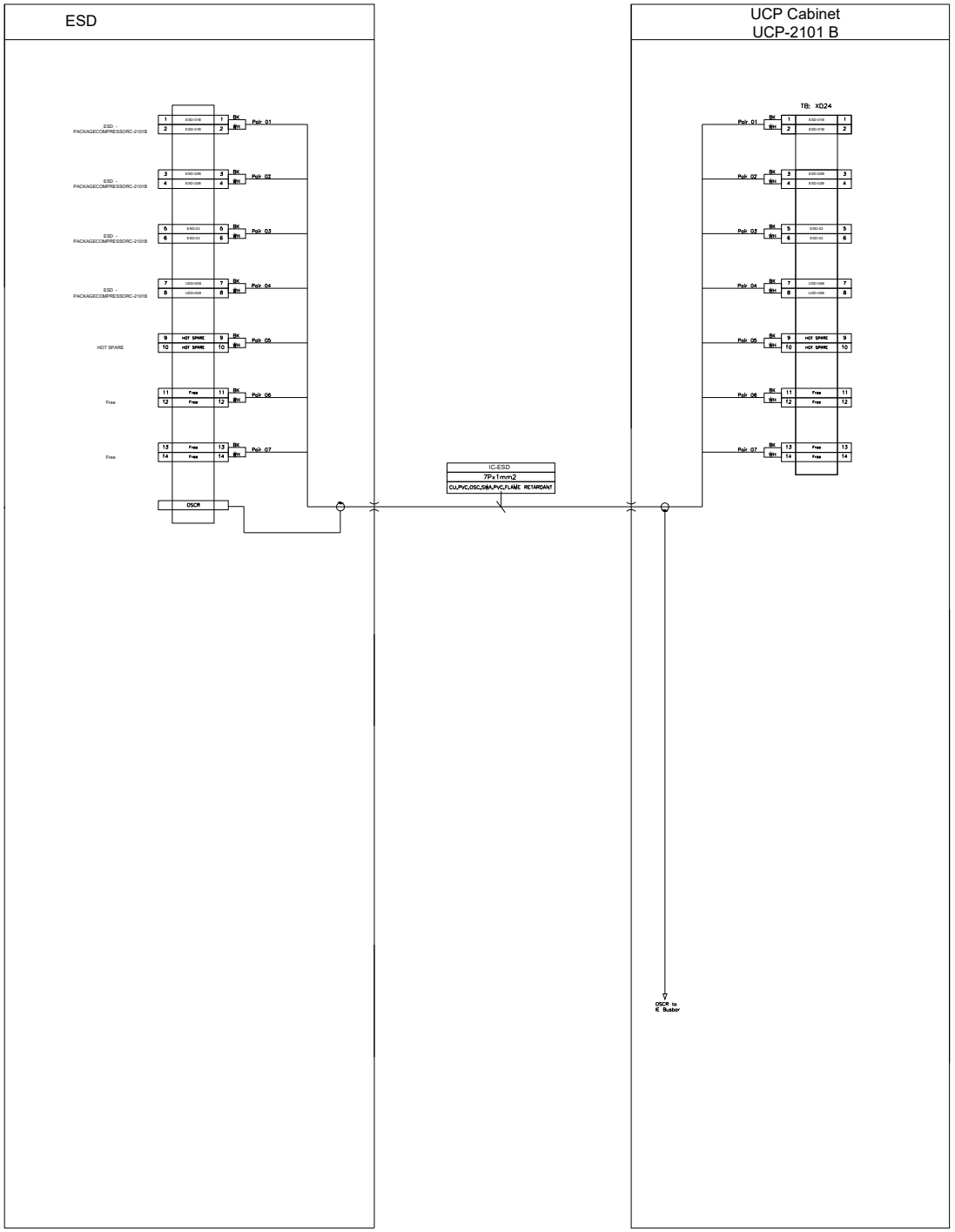
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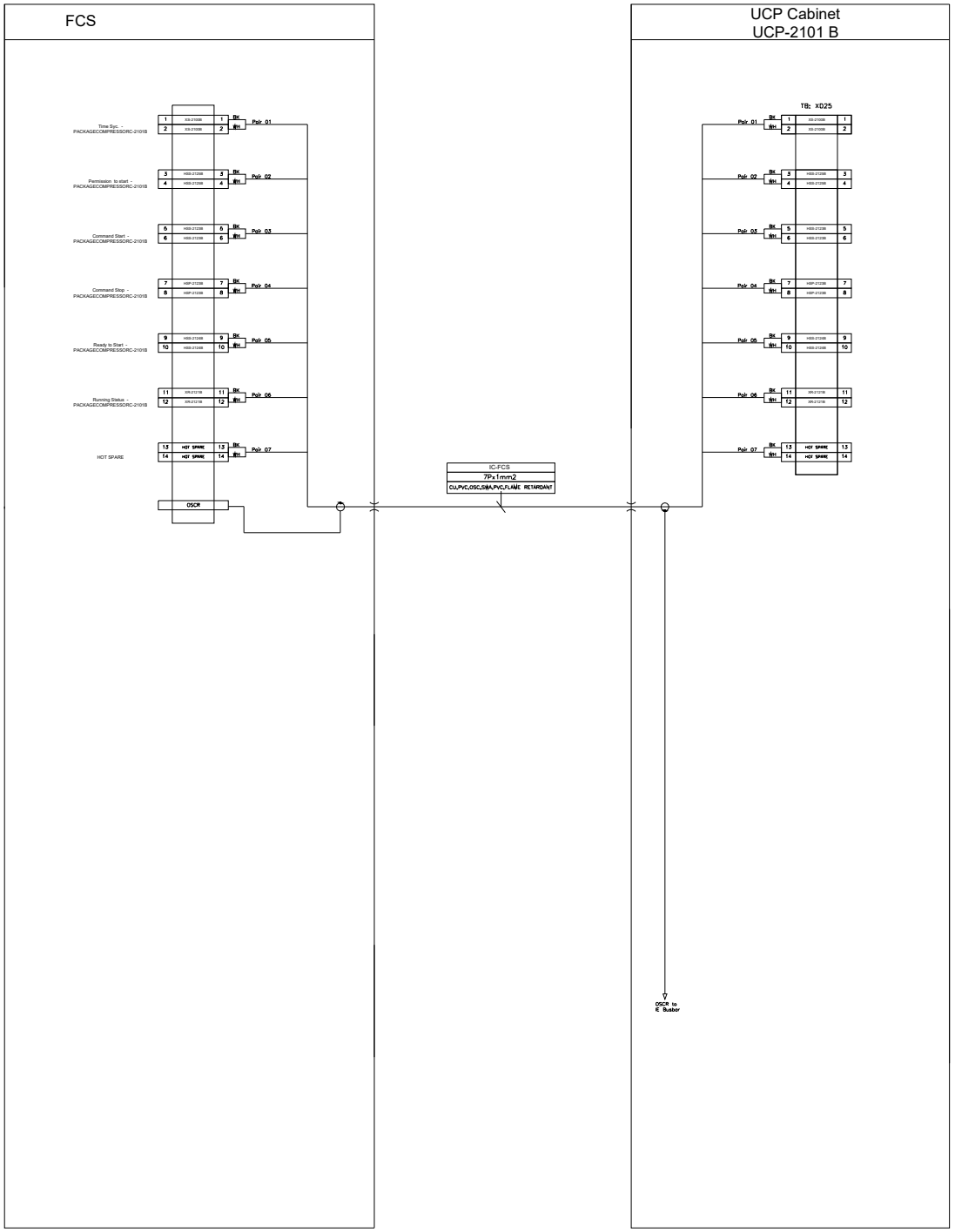
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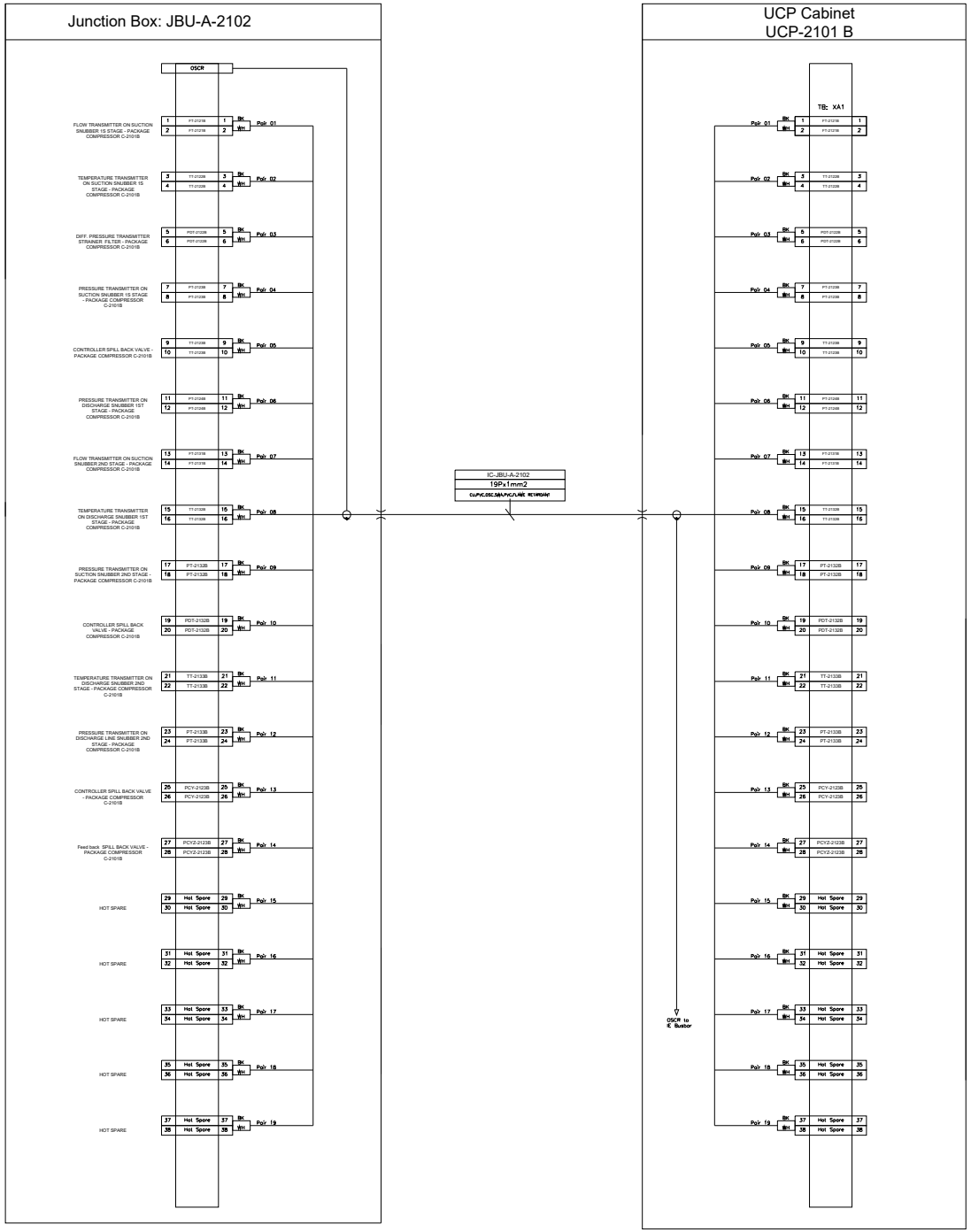
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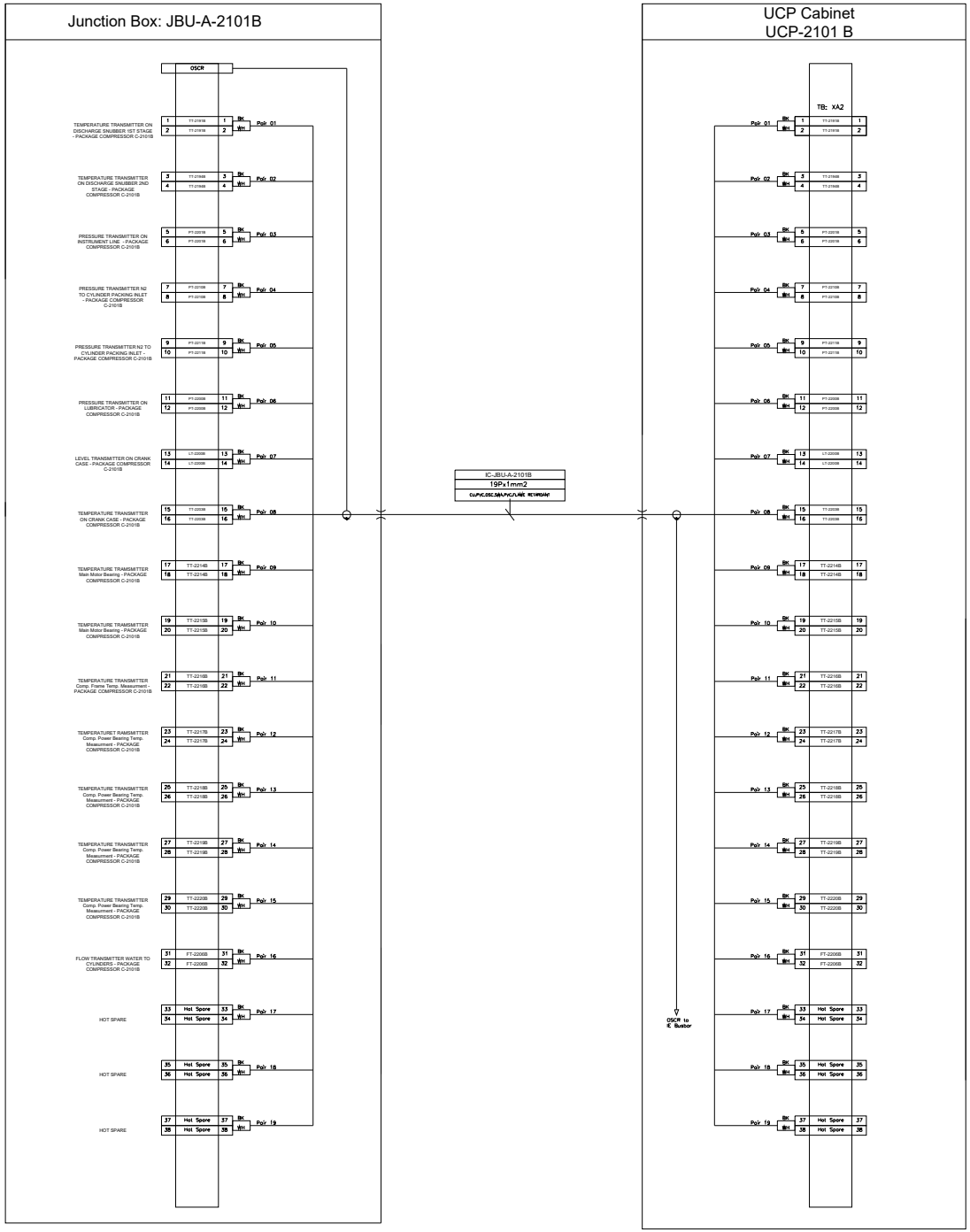
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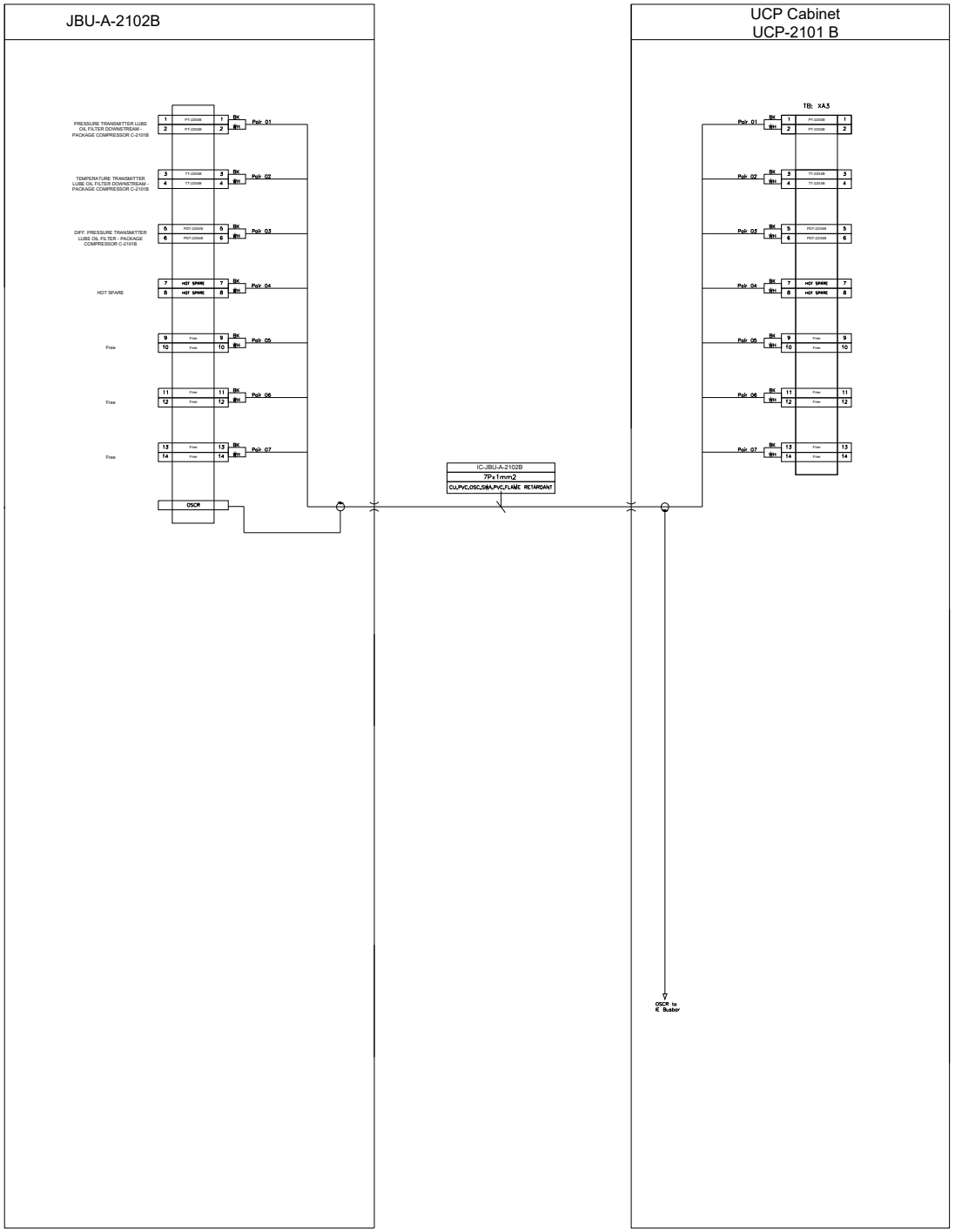
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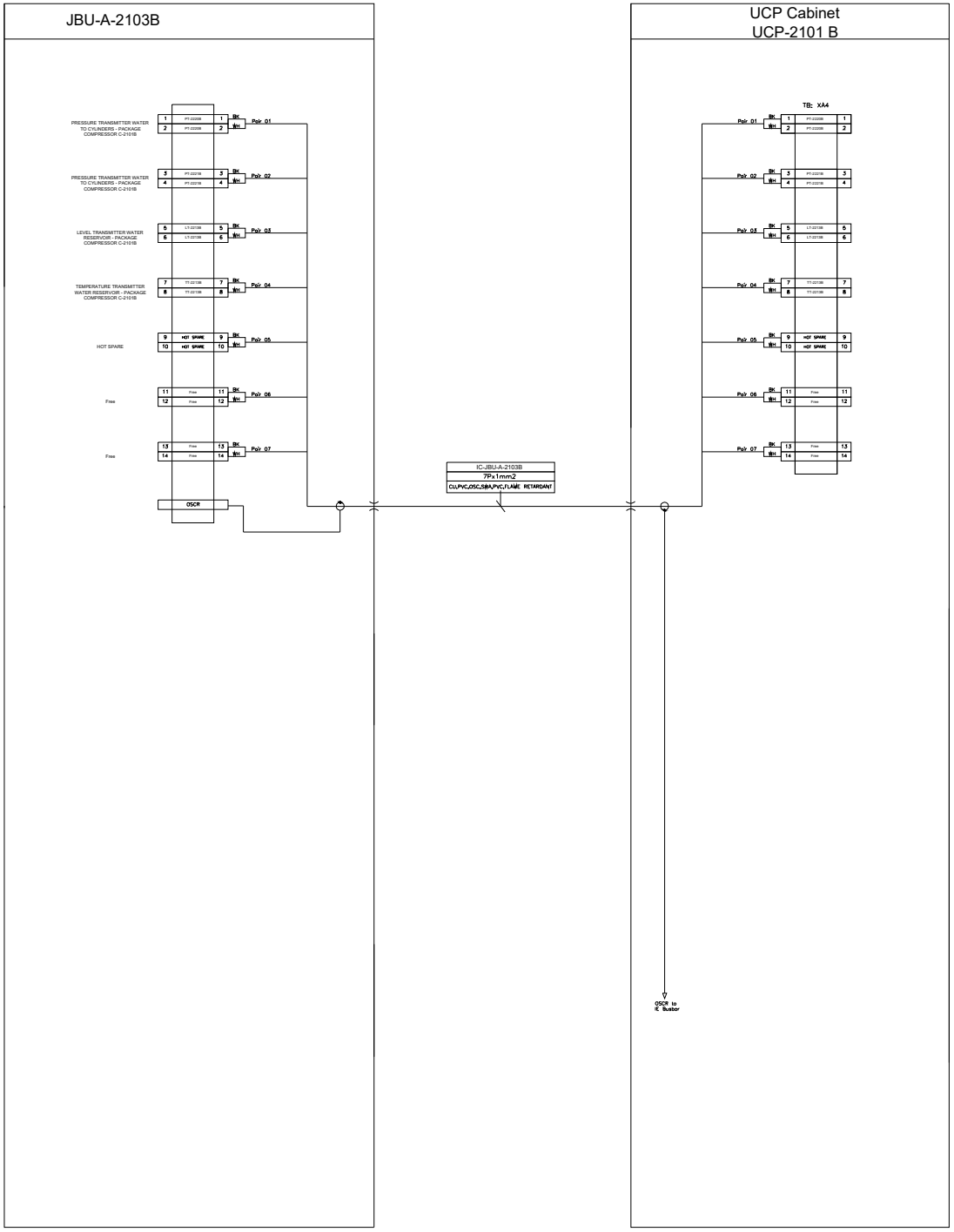
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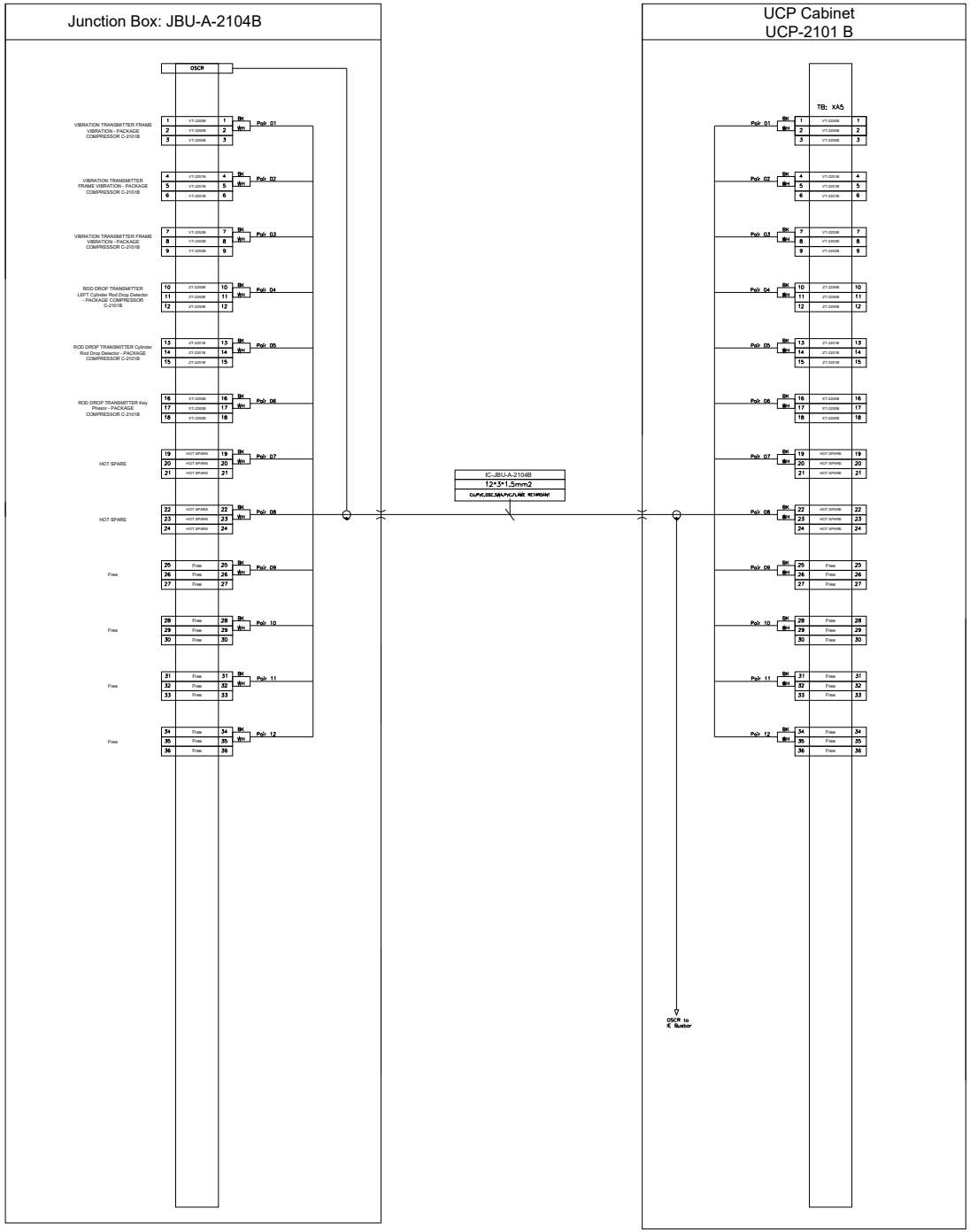
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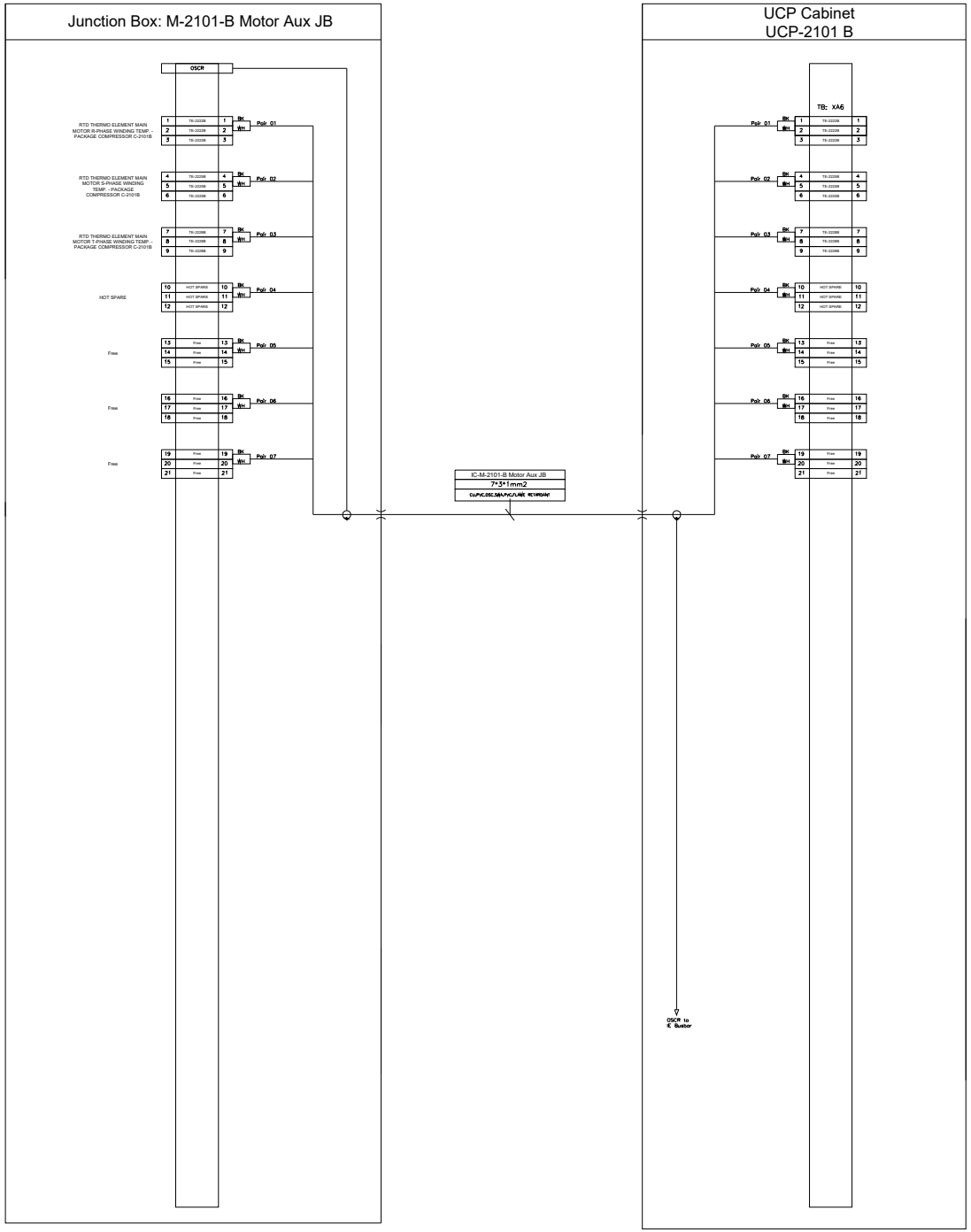
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REV.	DESCRIPTION	BY	DATE	BY	DATE
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V00	FEB.2024	IFR	A.Tamjidi	P.Golcari	R.Dehghan
REV.	DATE	P.O.I.S	PREP.	CHK.	APP. AUT.

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR:

EPD/EPC CONTRACTOR (GC): PEDCO

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

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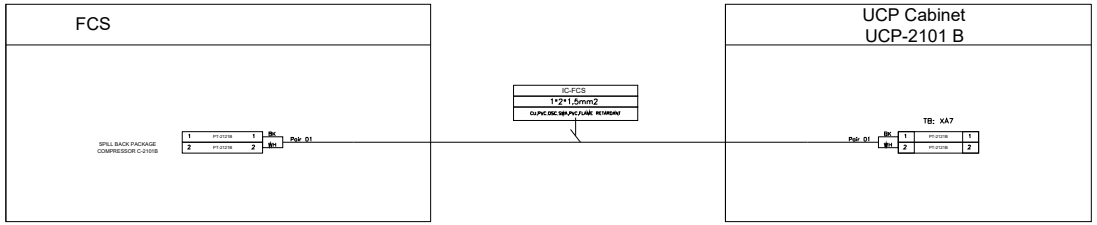
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DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-OCS-HY-120-IN-DG-0001	301 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
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TERMINAL DETAILS
210 1C

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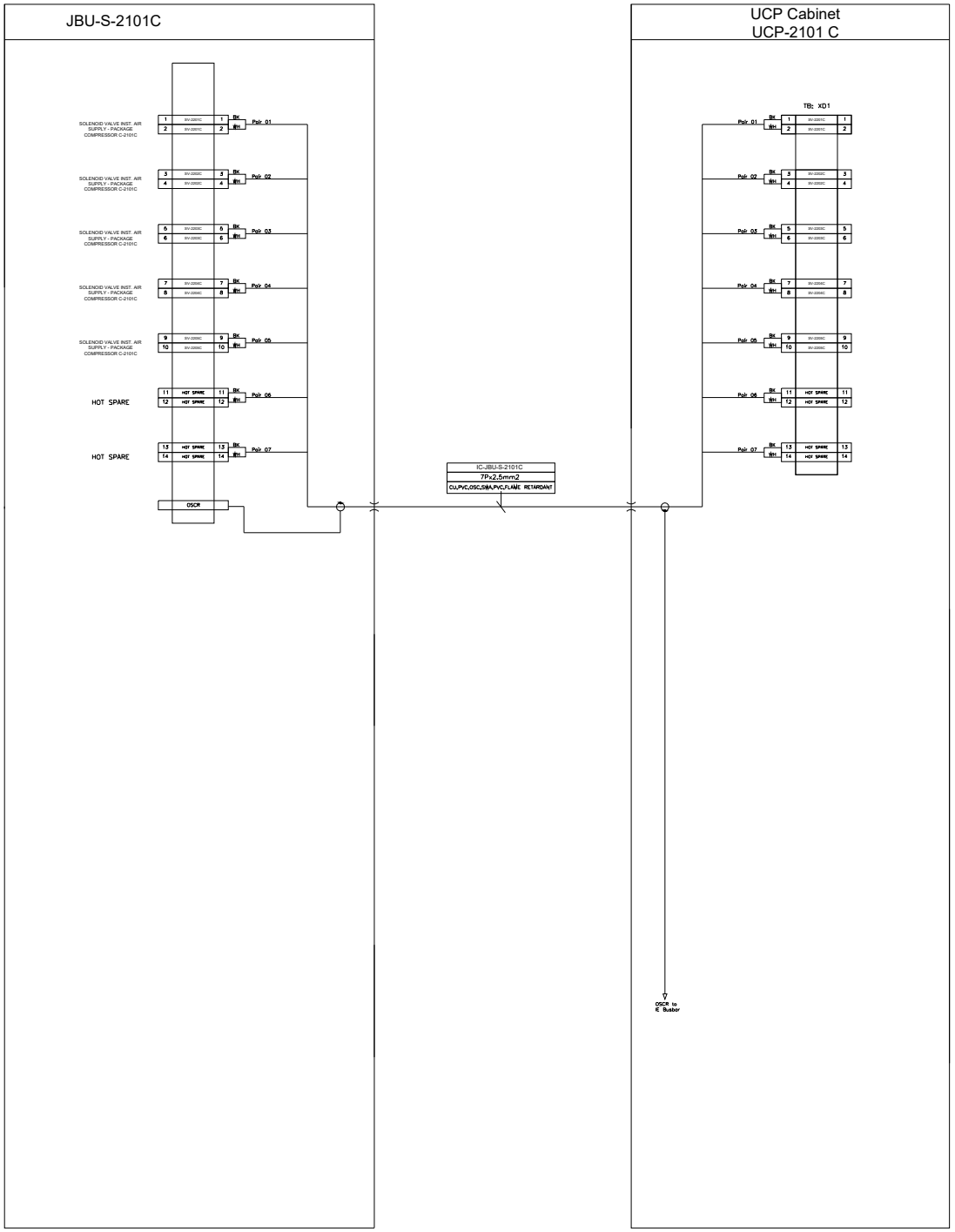
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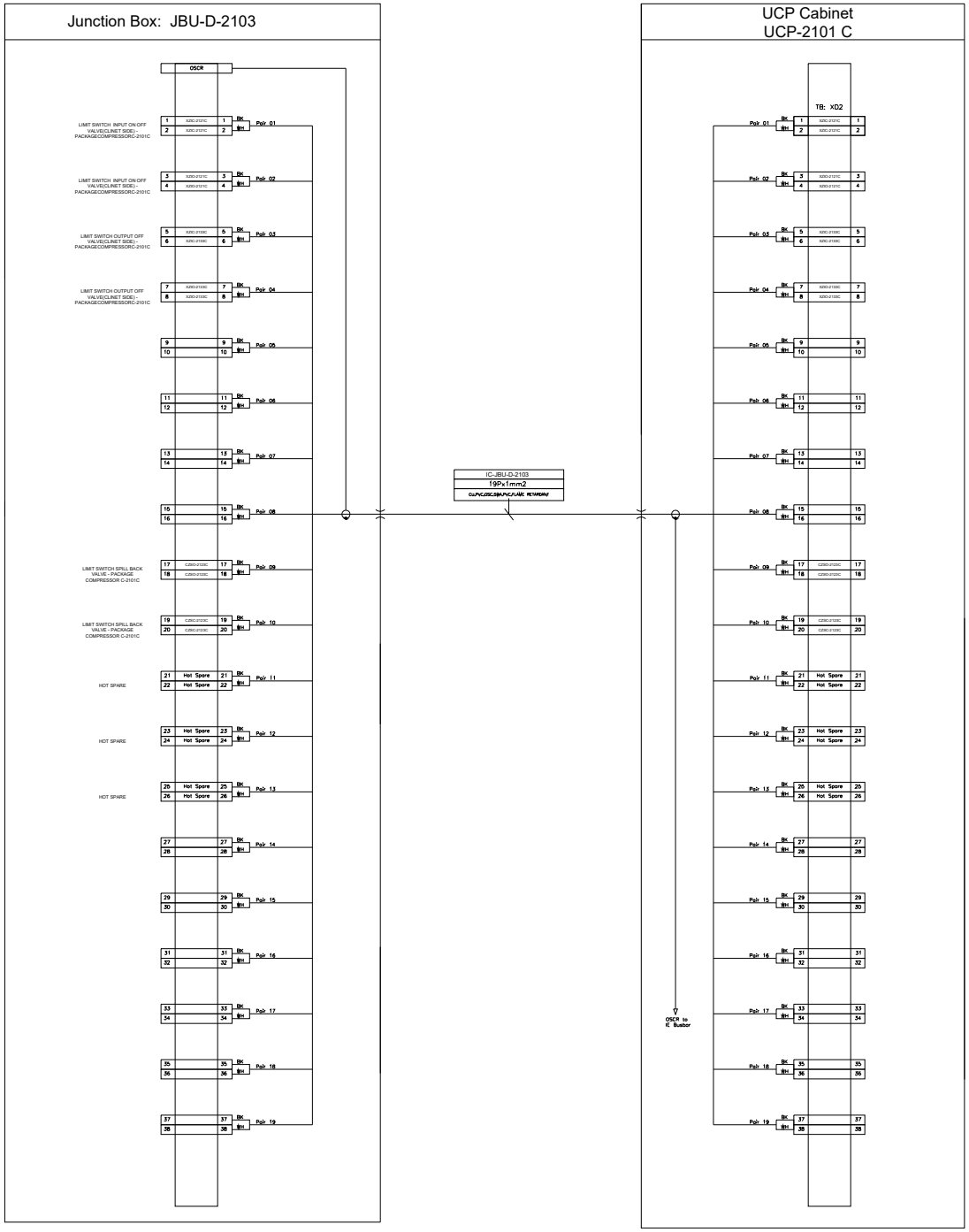
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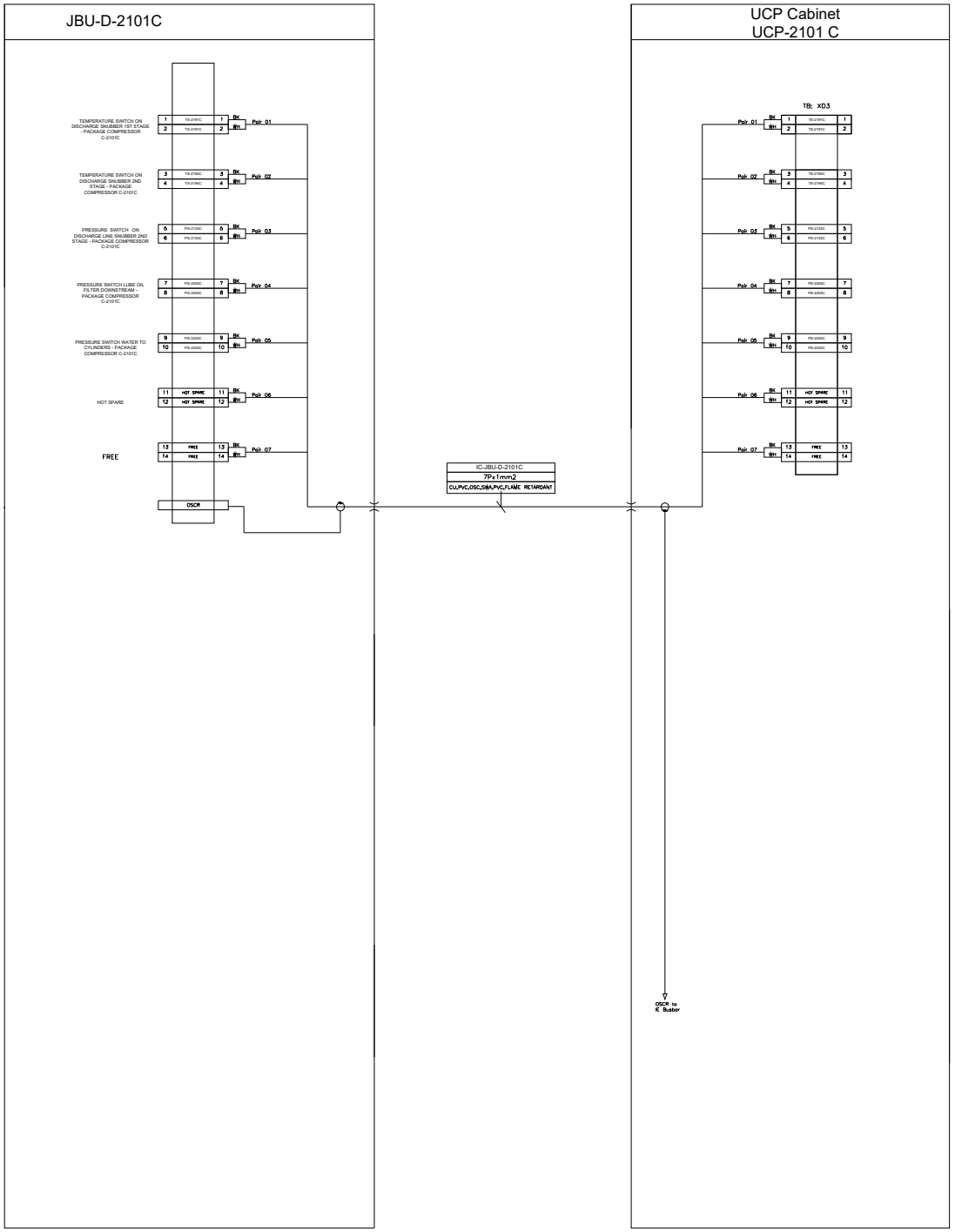
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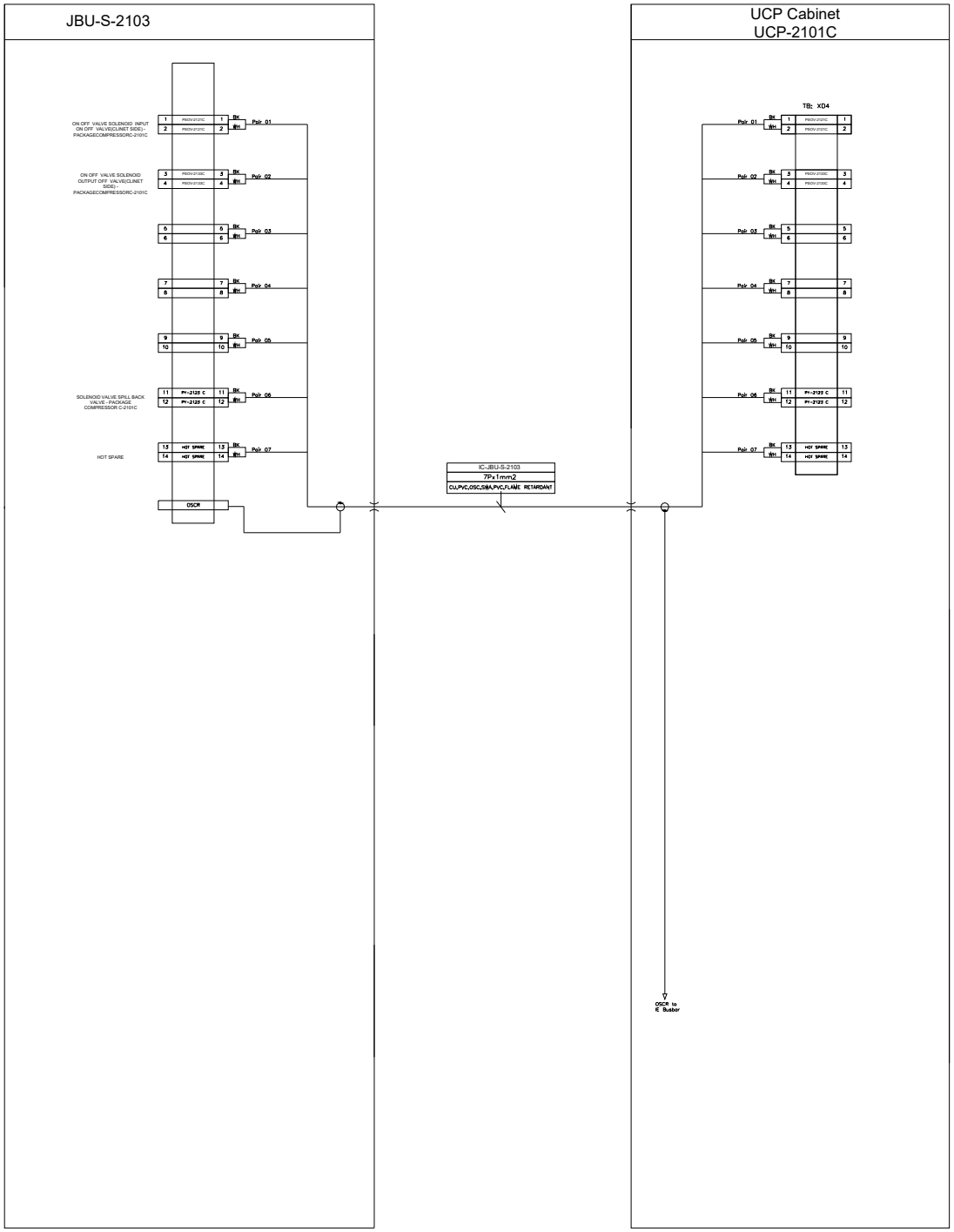
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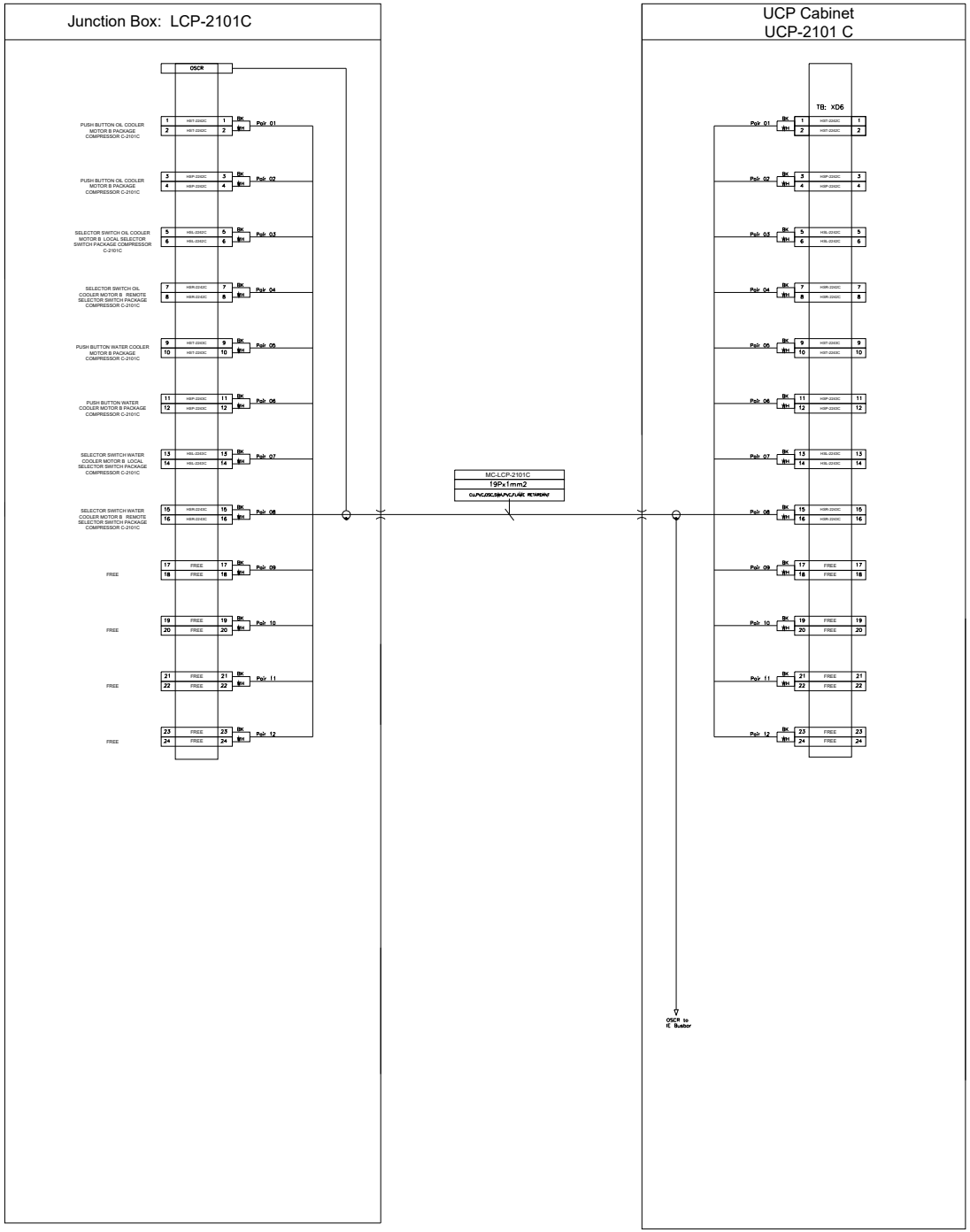
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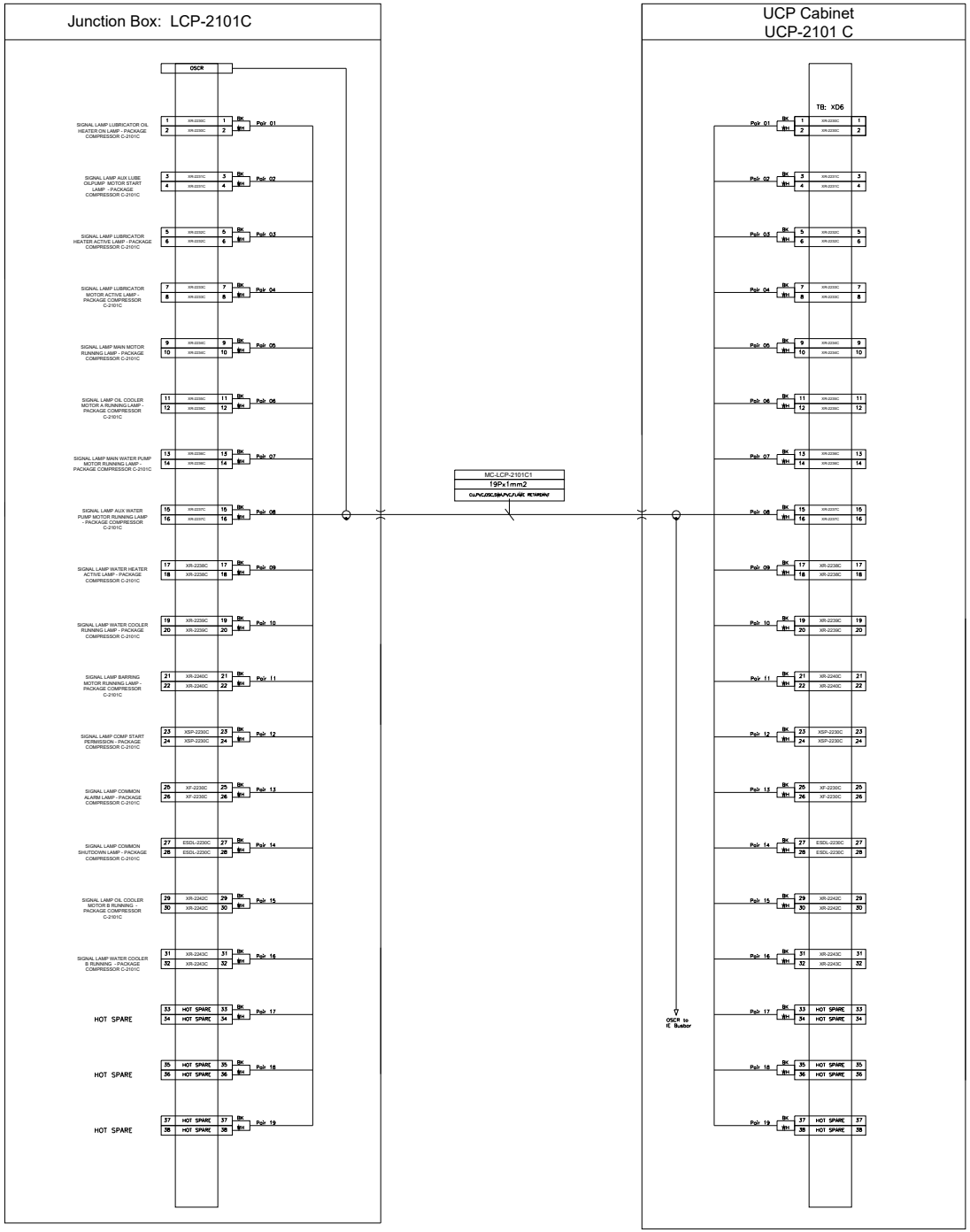
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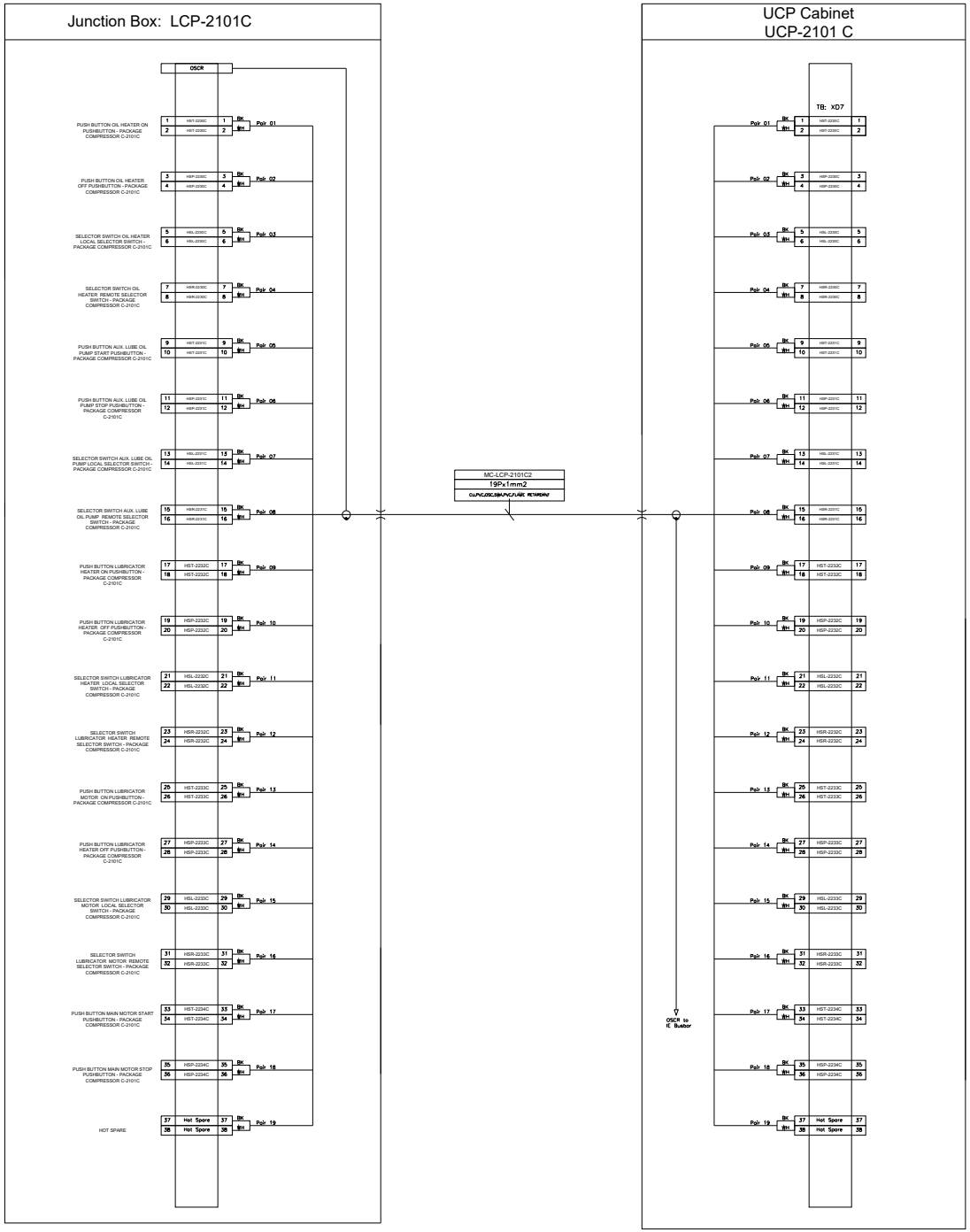
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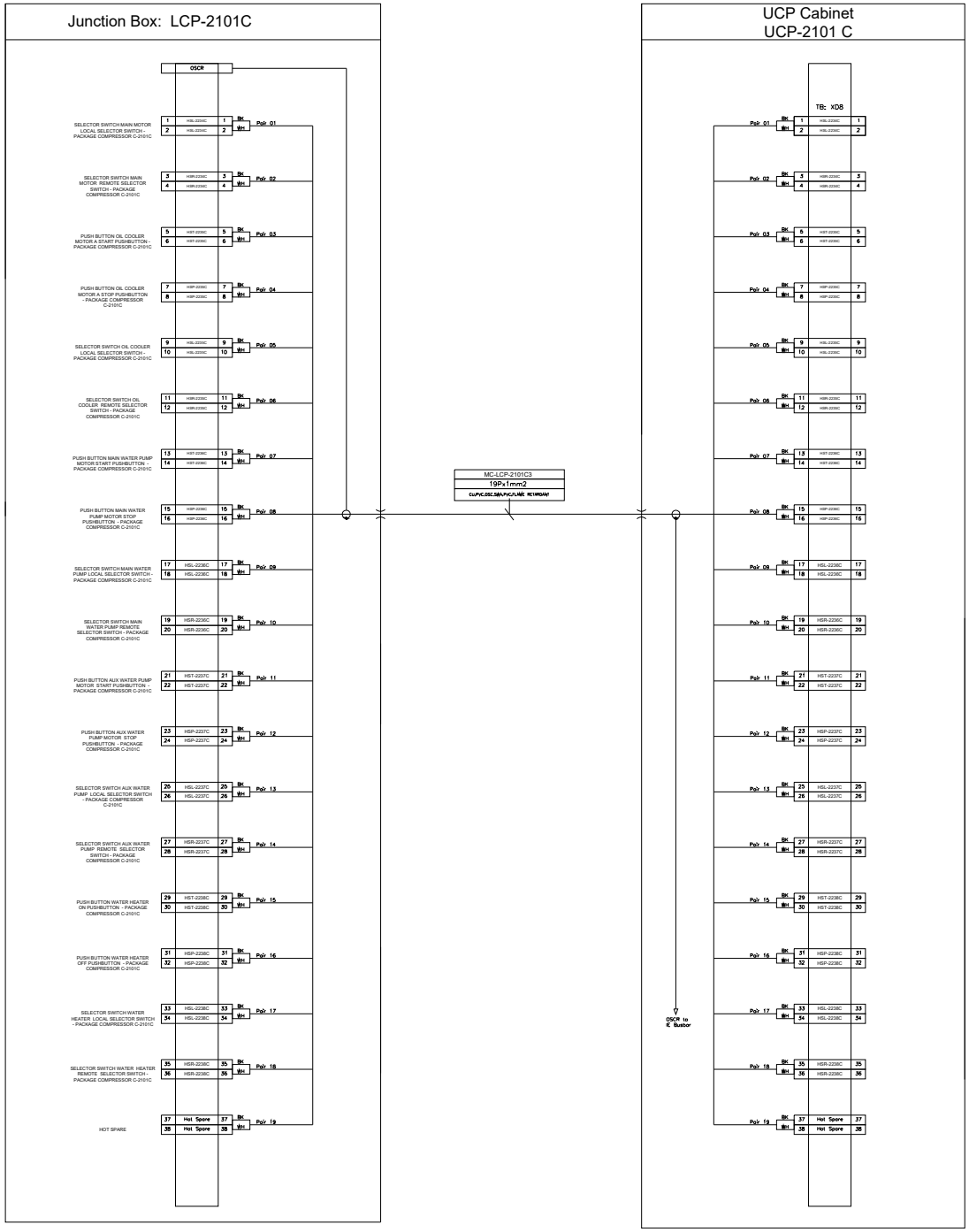
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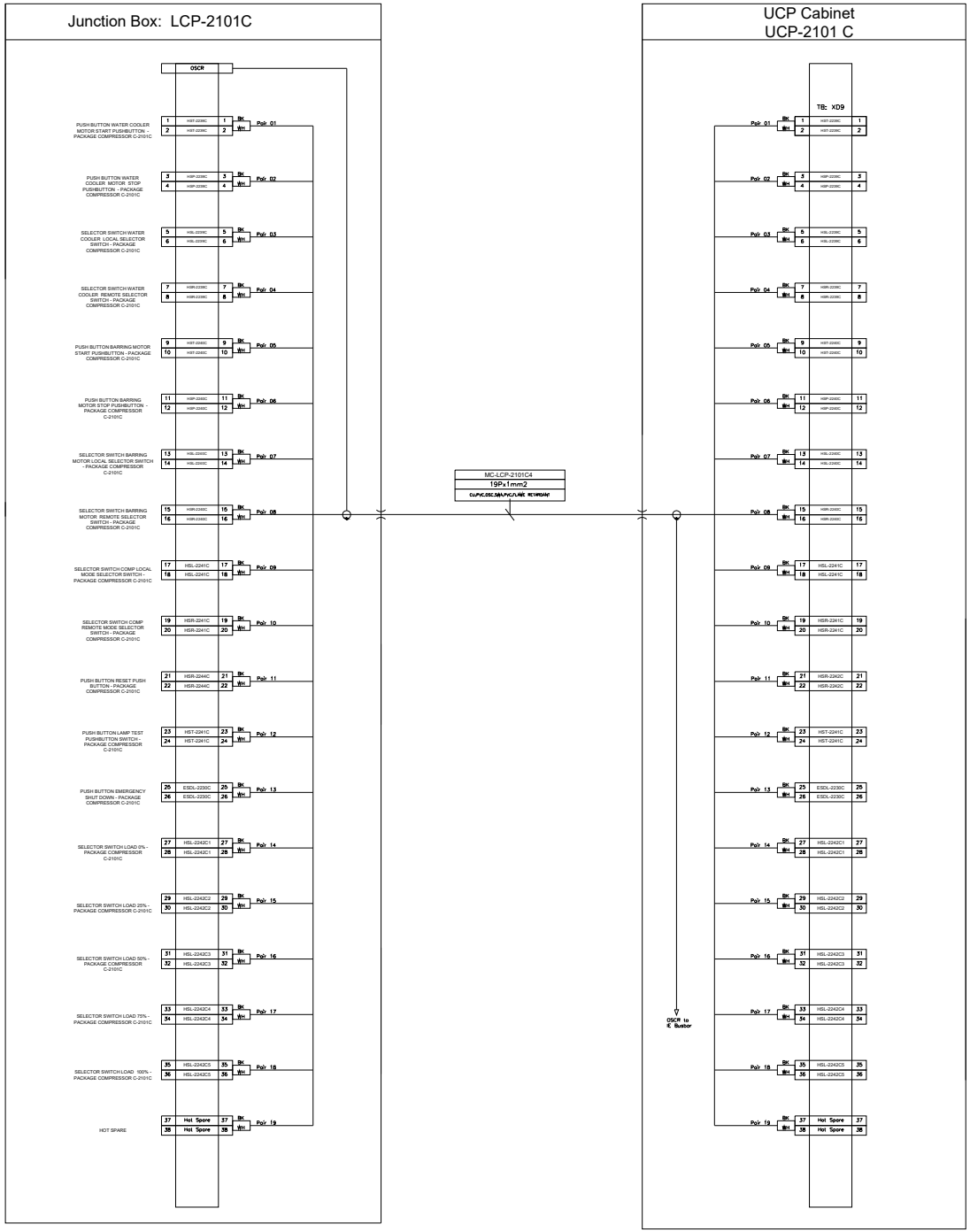
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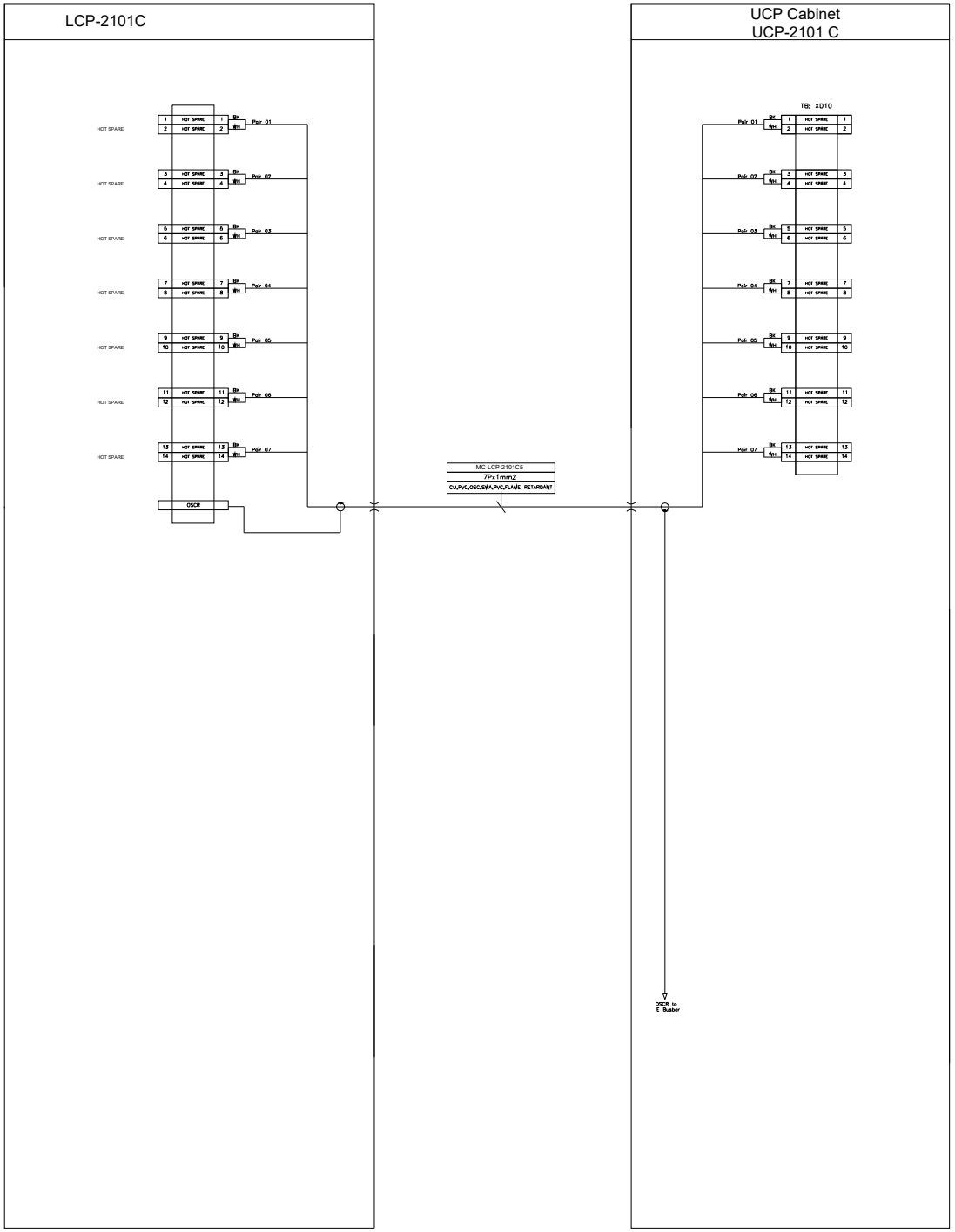
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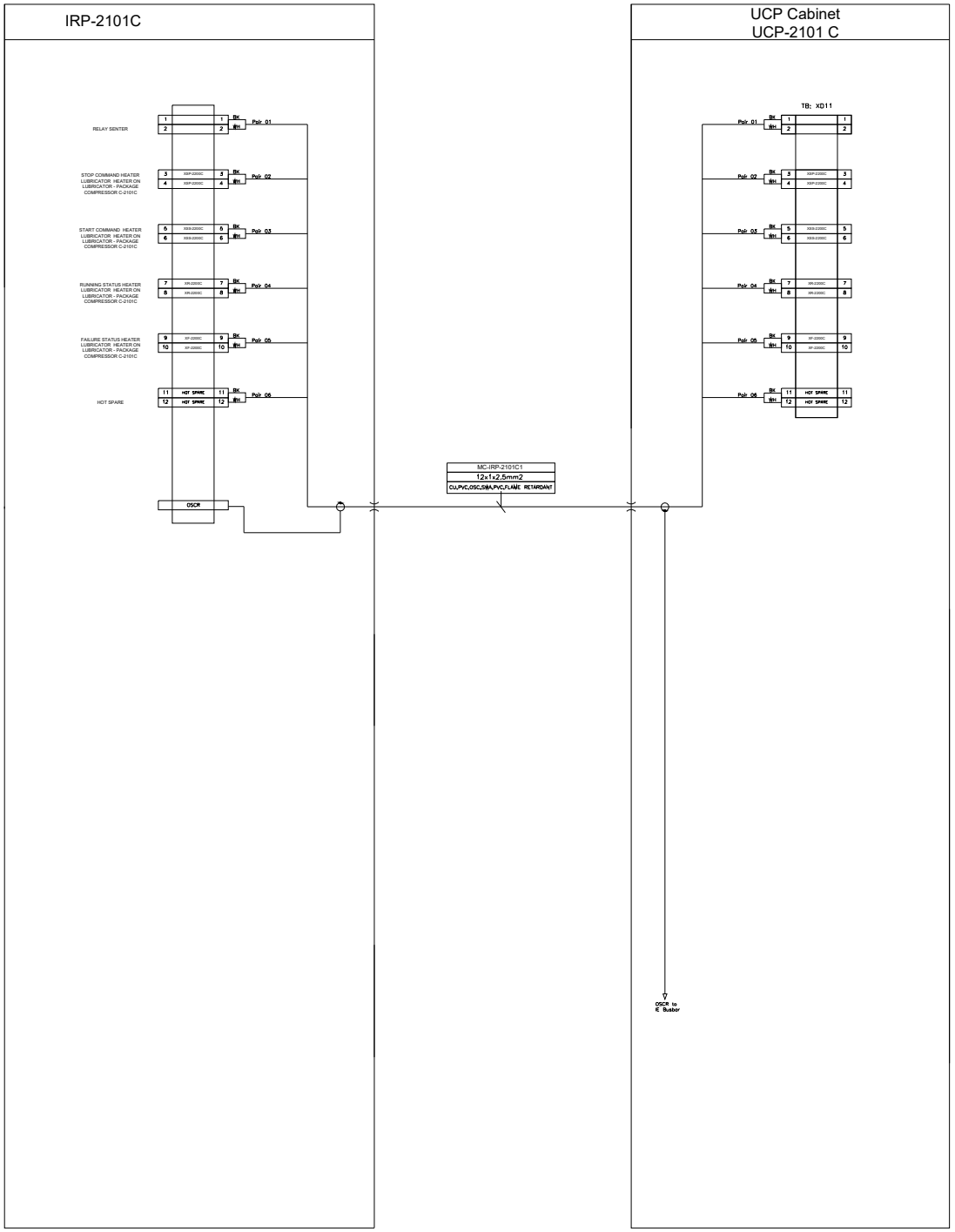
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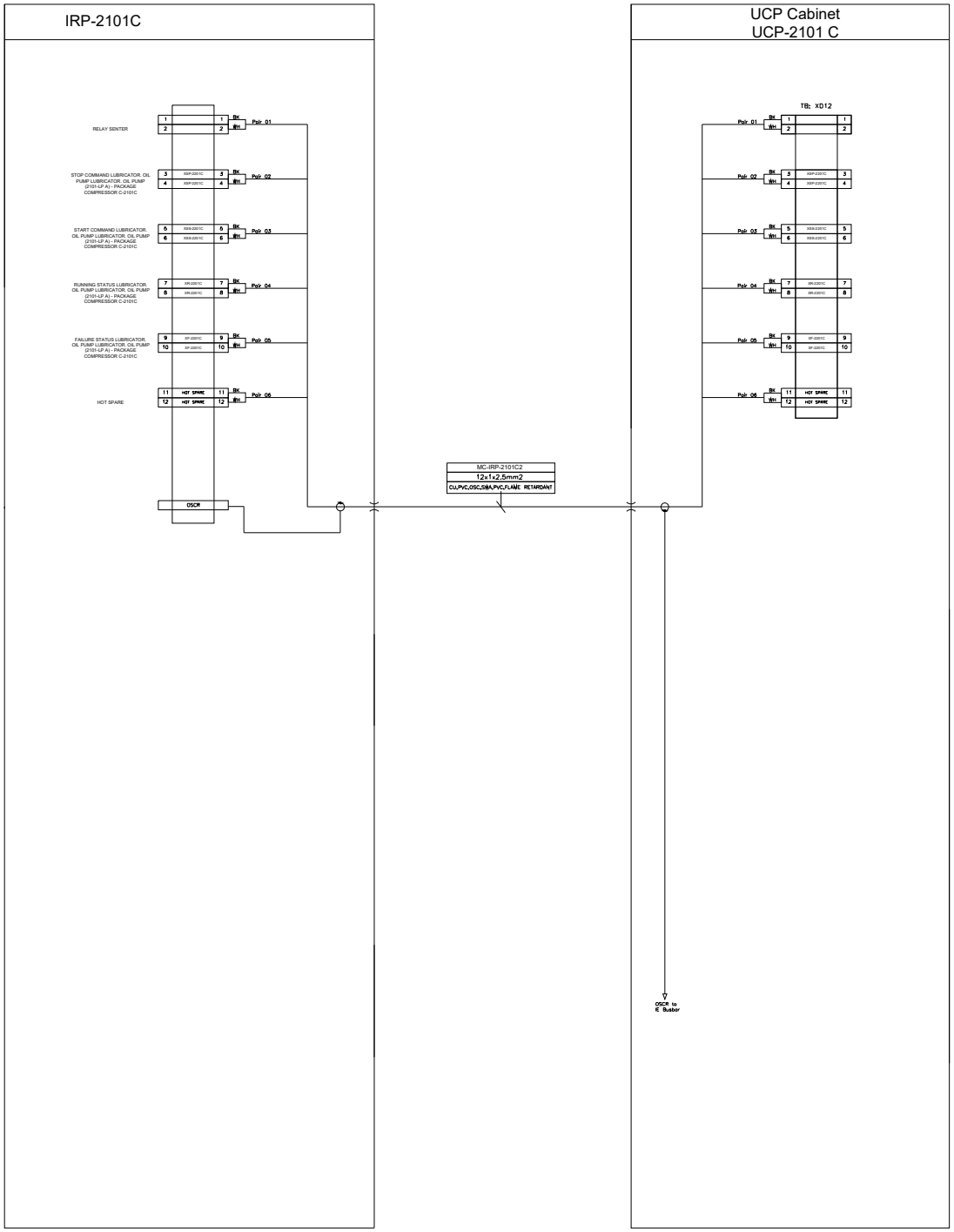
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

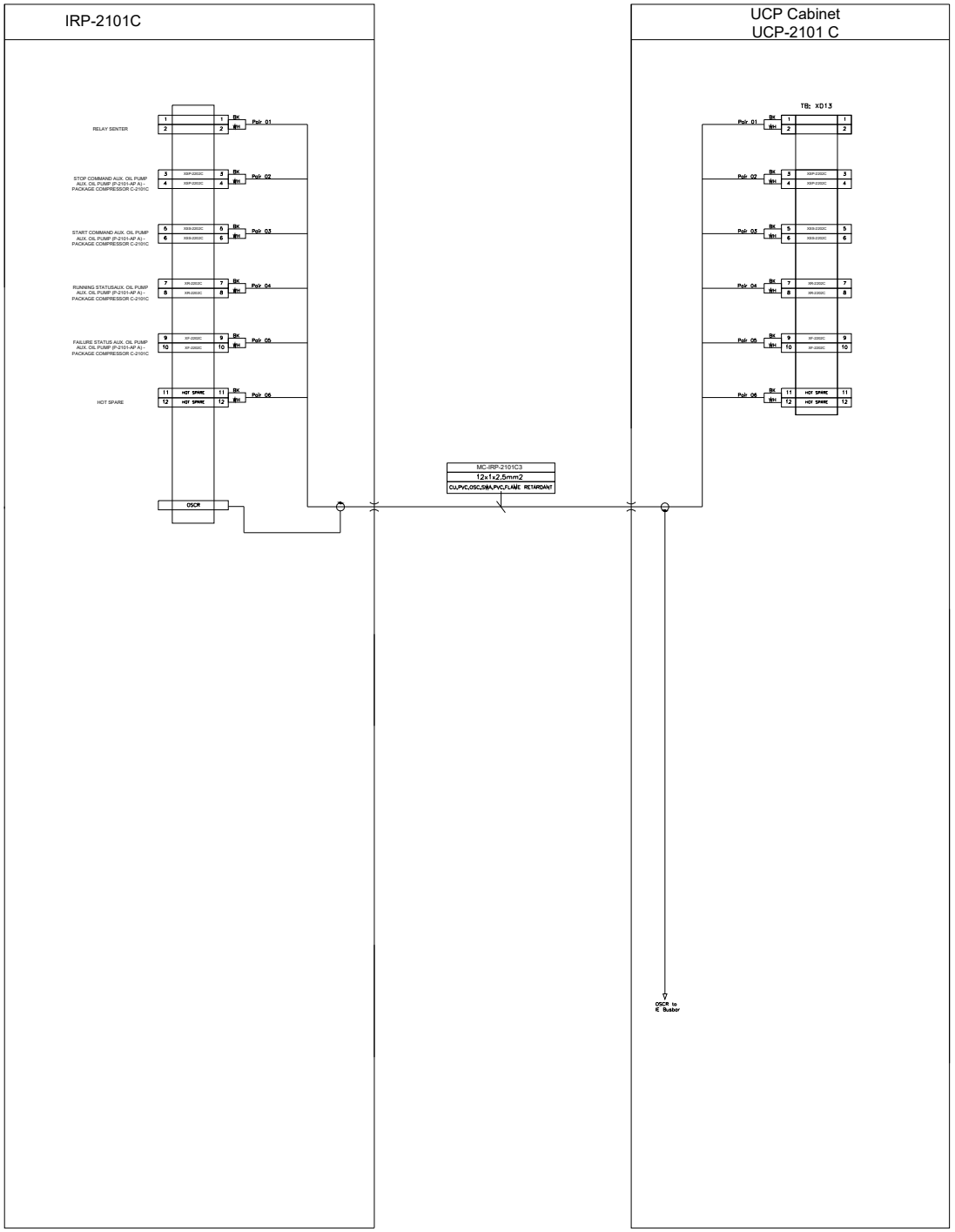
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	315 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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LEGEND

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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
V00	FEB.2024	IFR	A.Tamjidi	P.Golcari	R.Dehghan	

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR:

EPD/EPC CONTRACTOR (GC):

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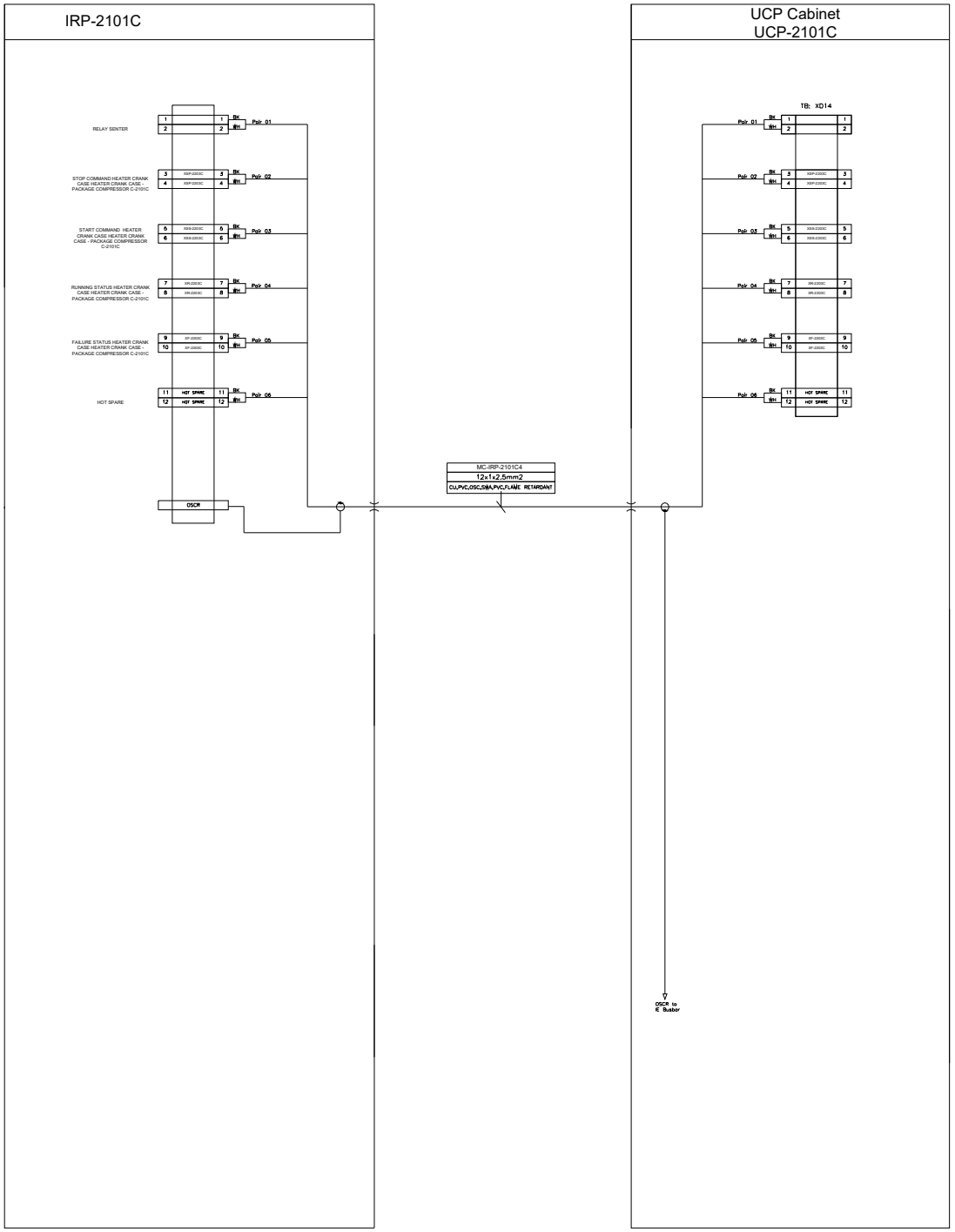
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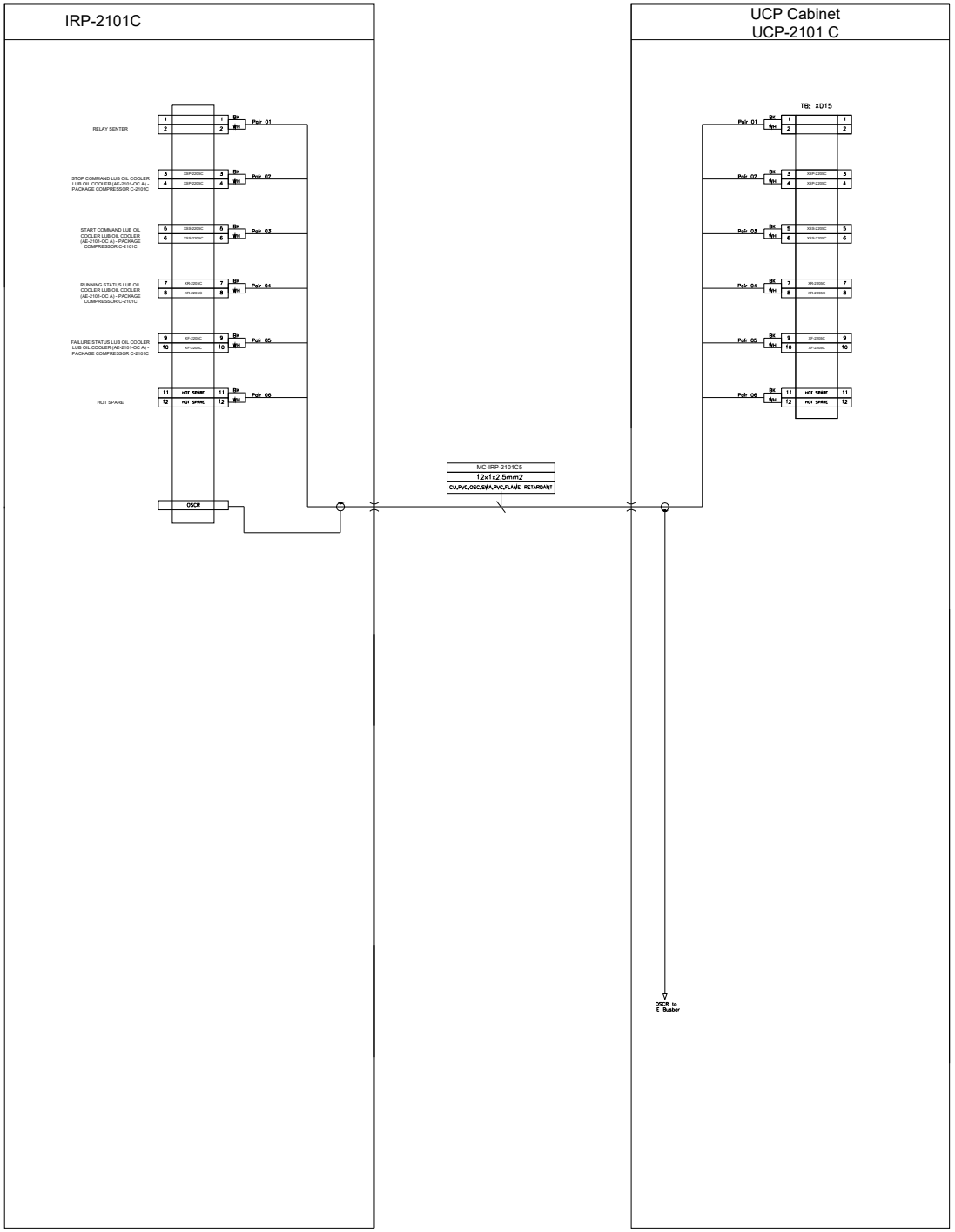
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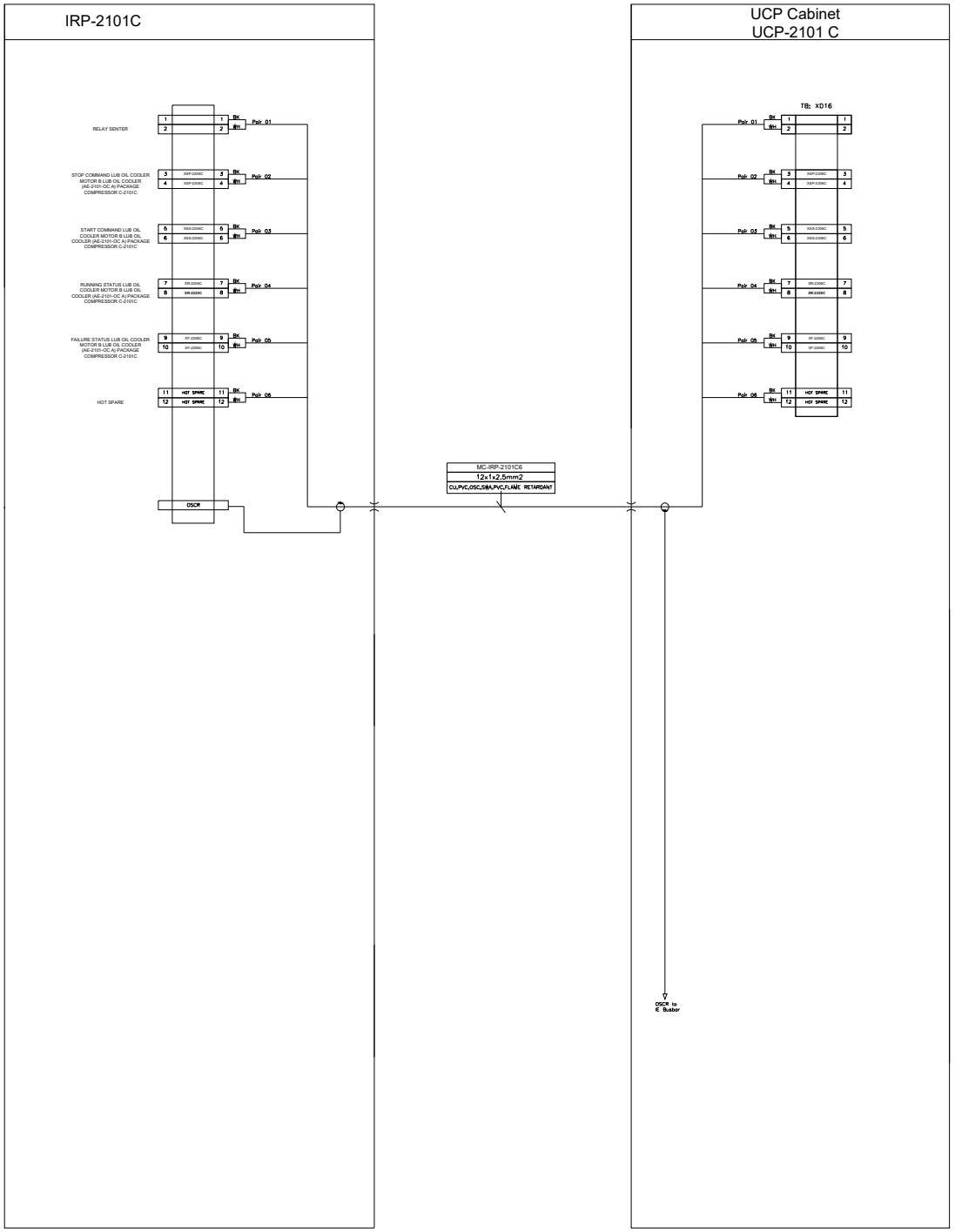
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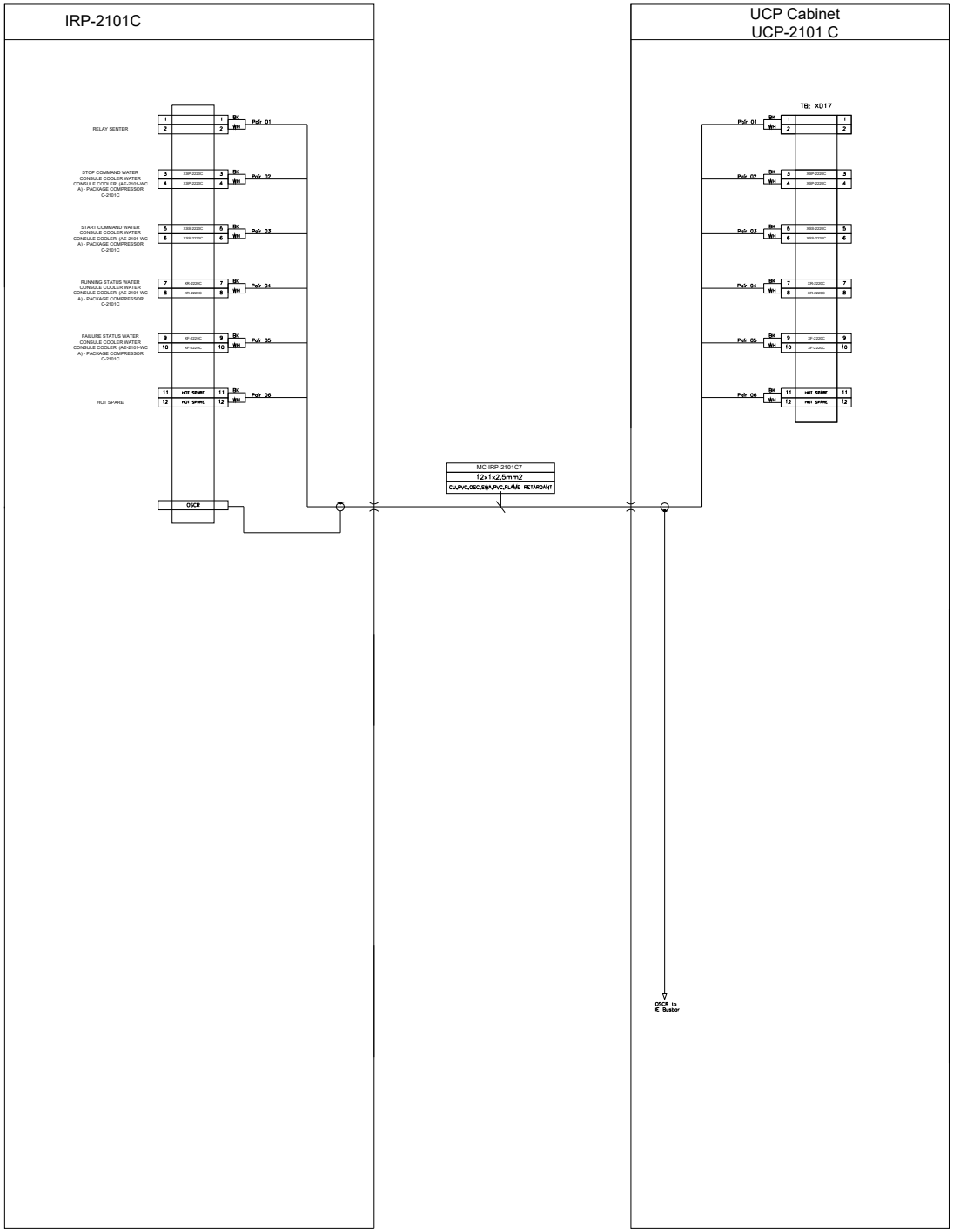
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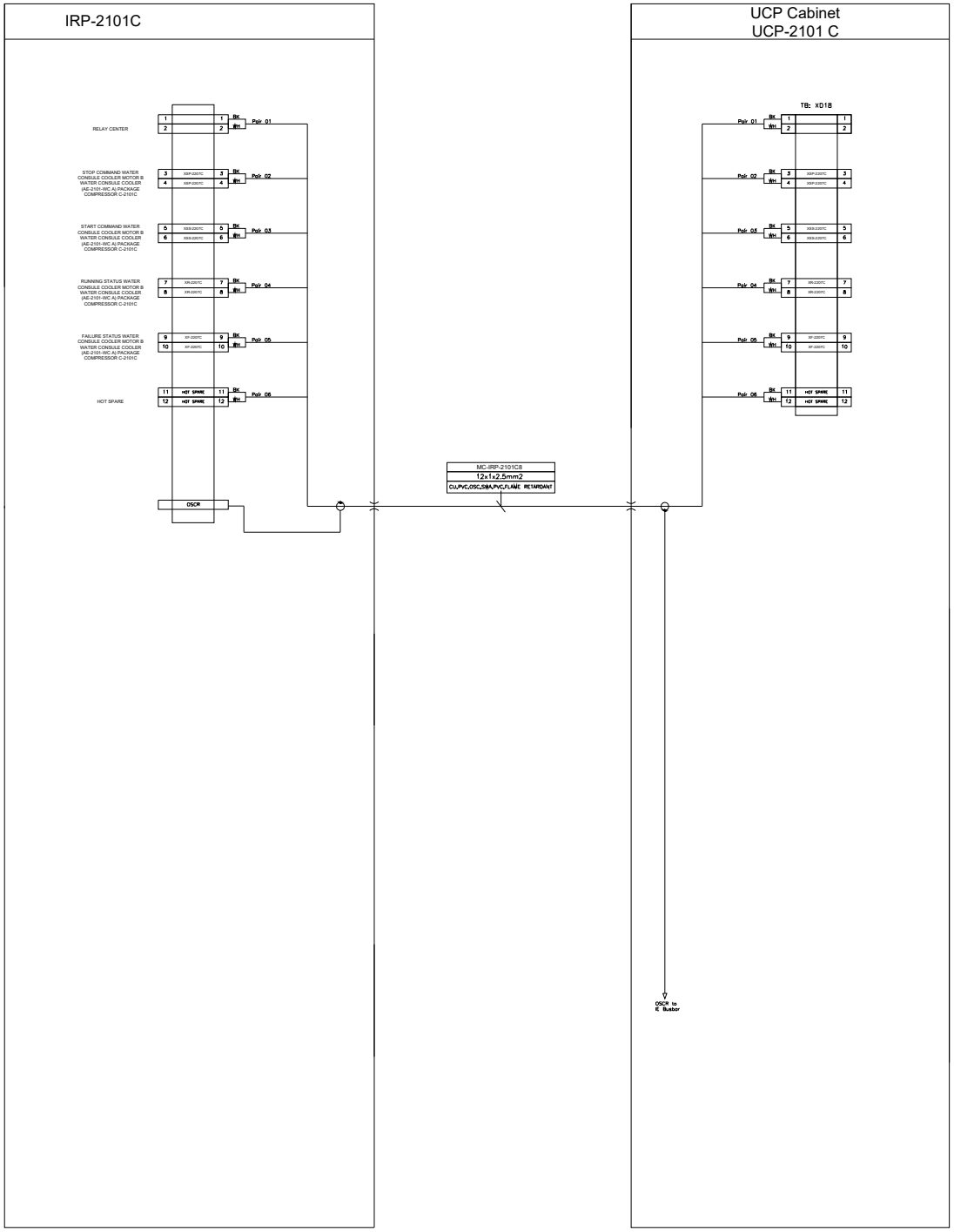
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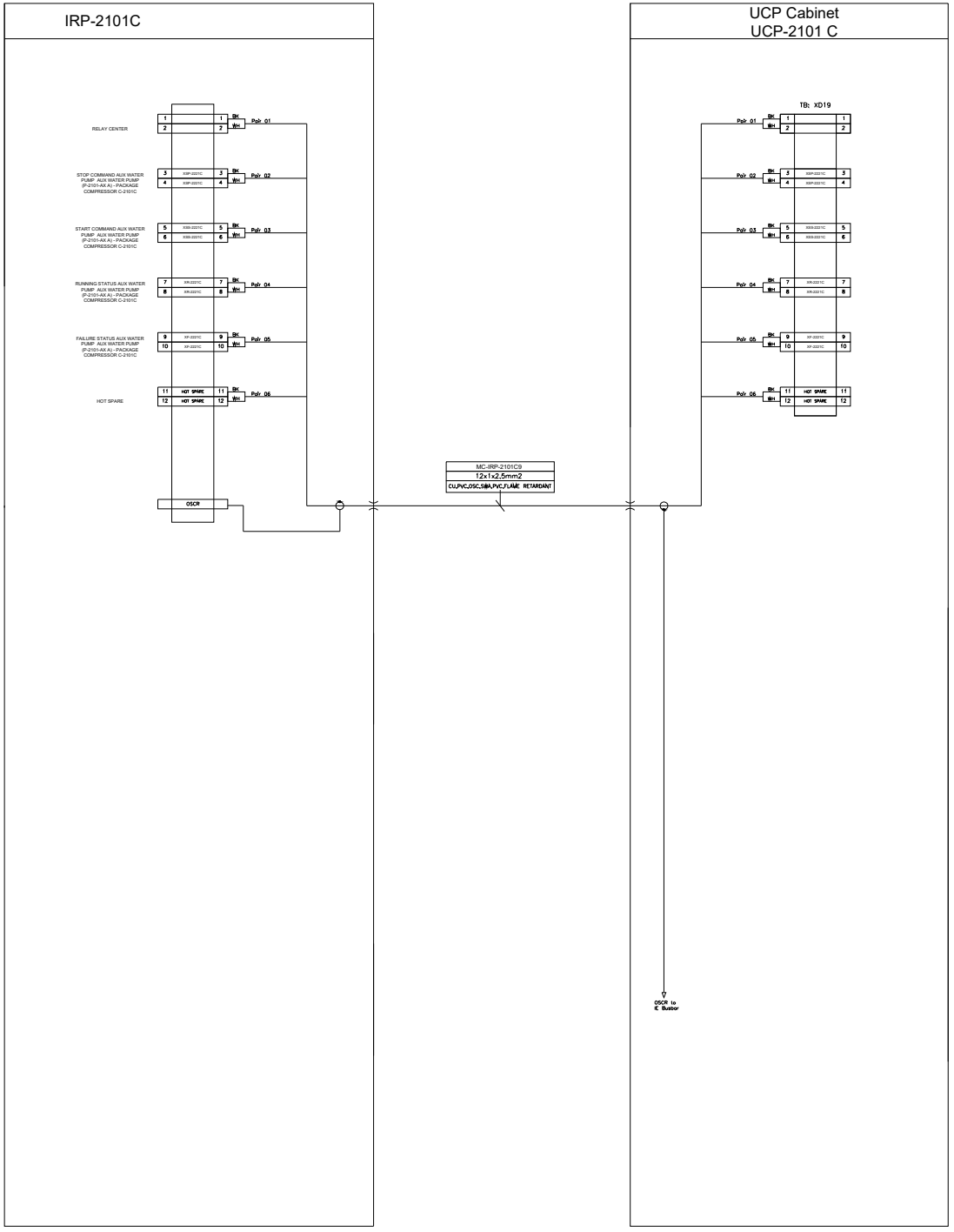
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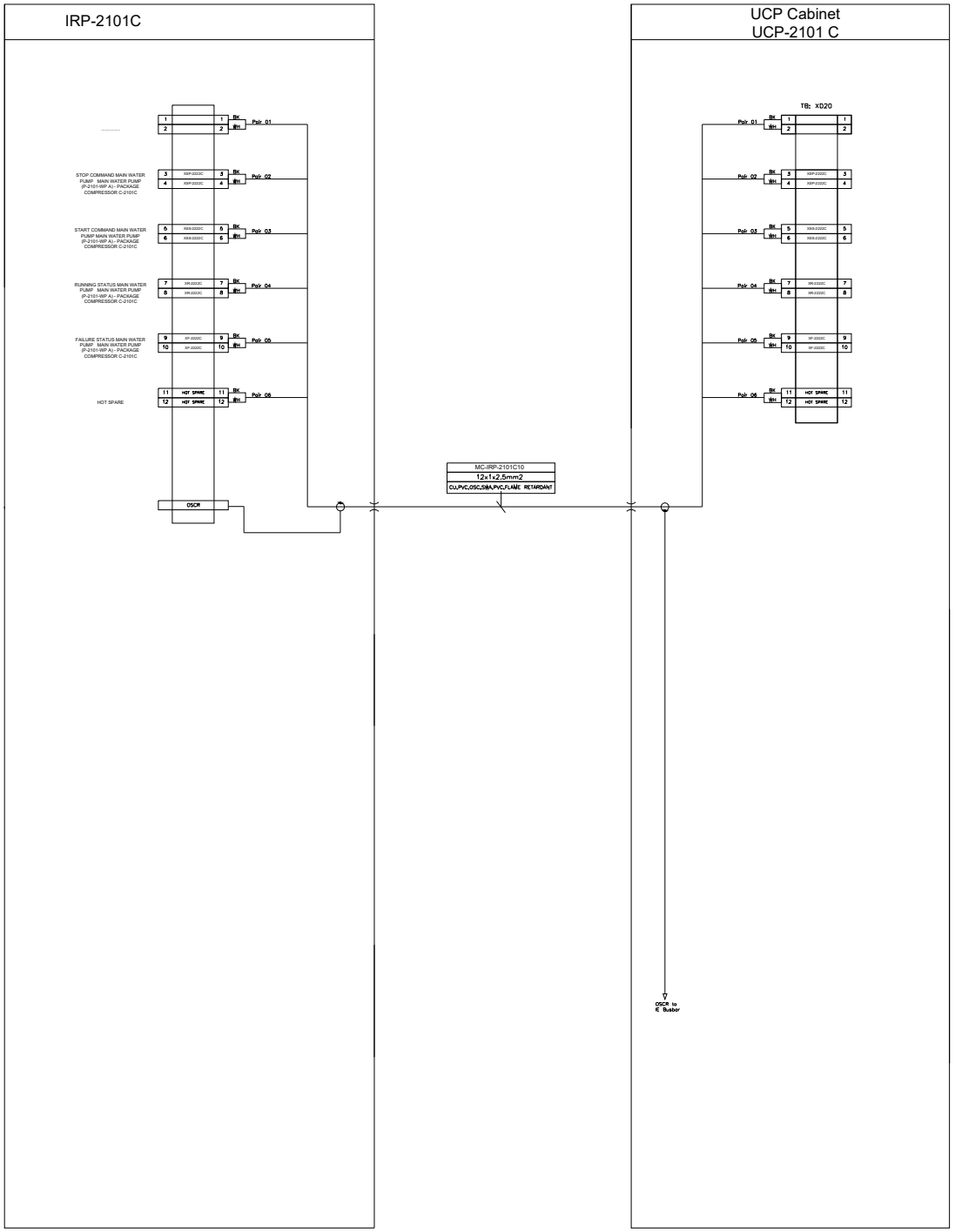
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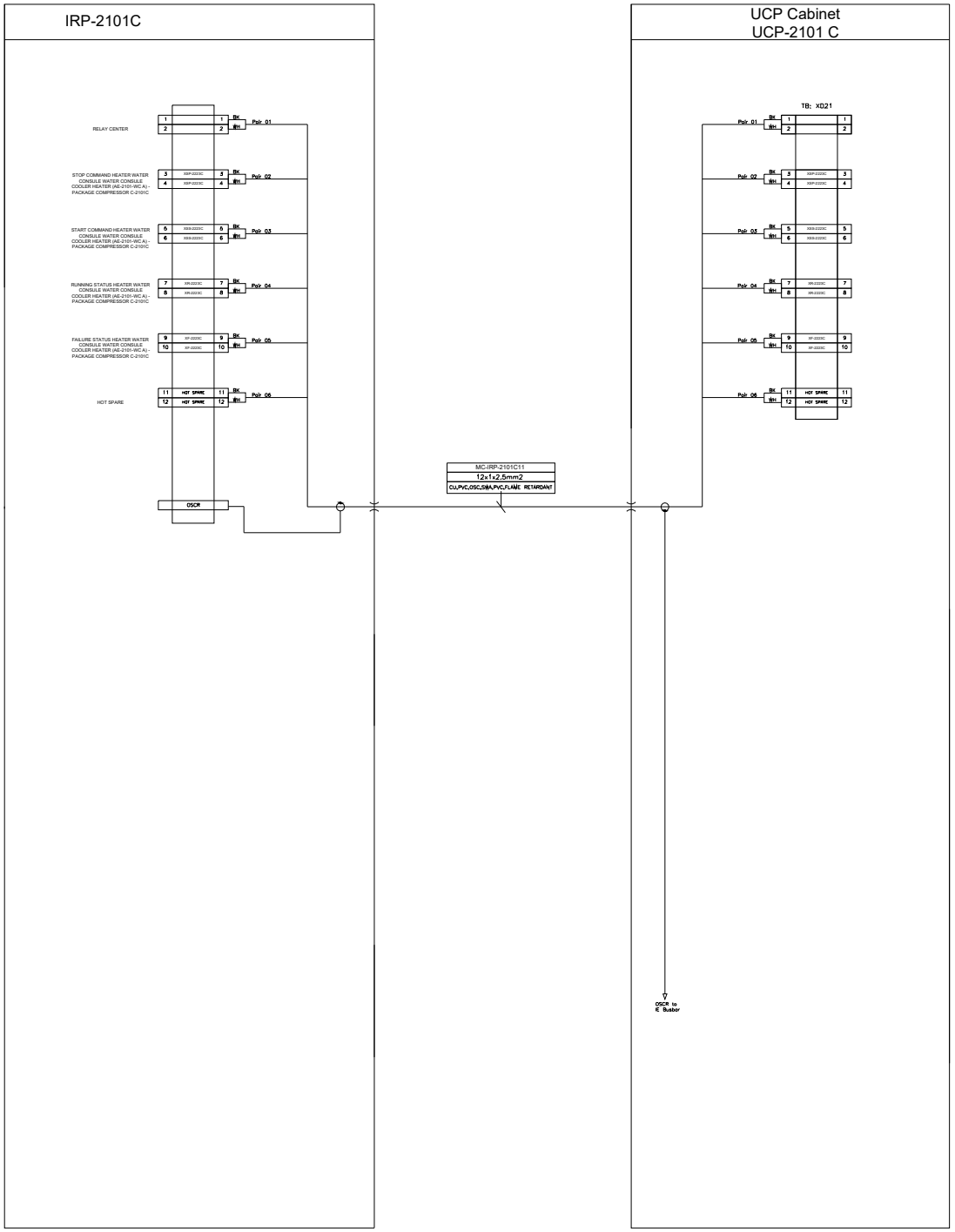
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	323 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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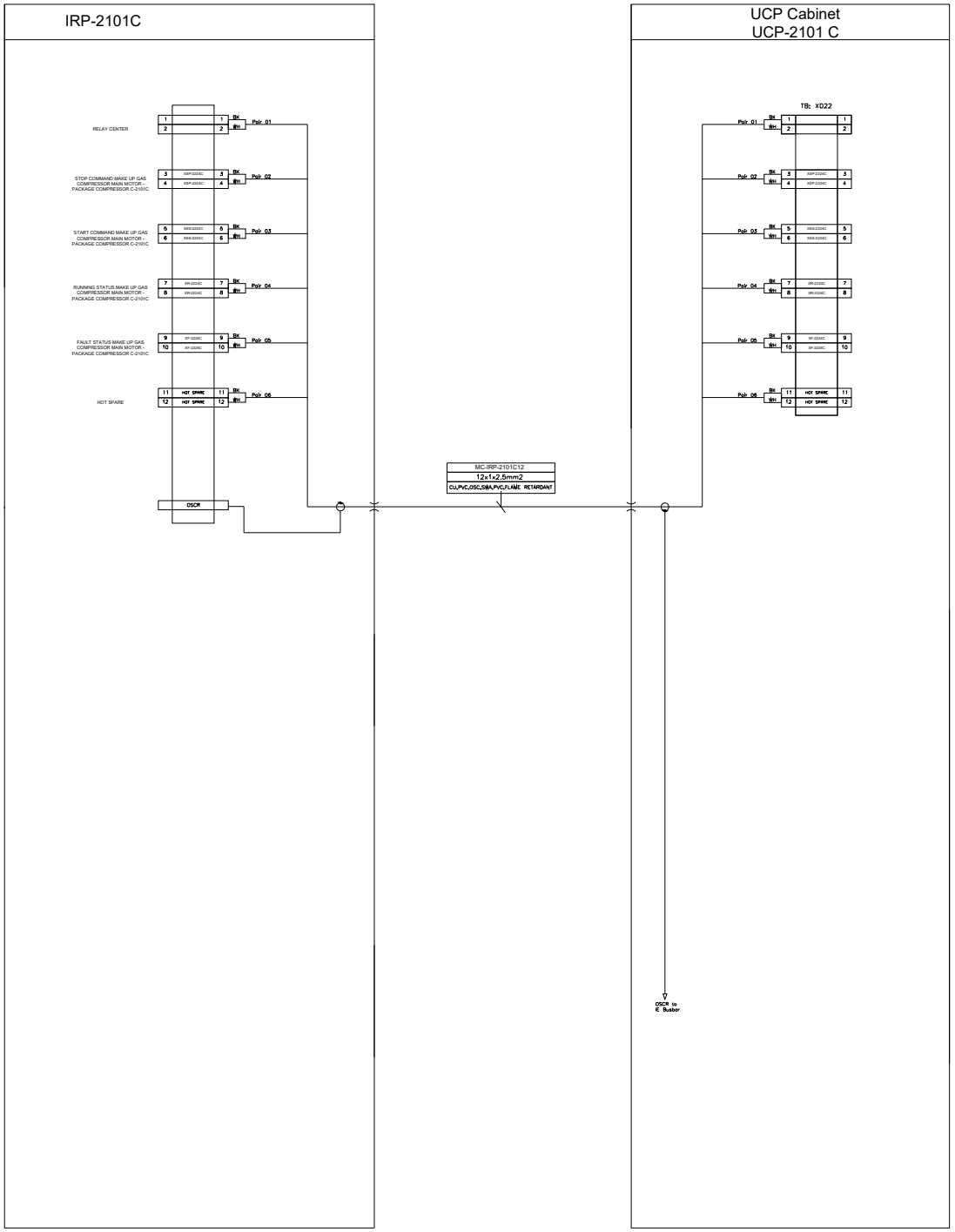
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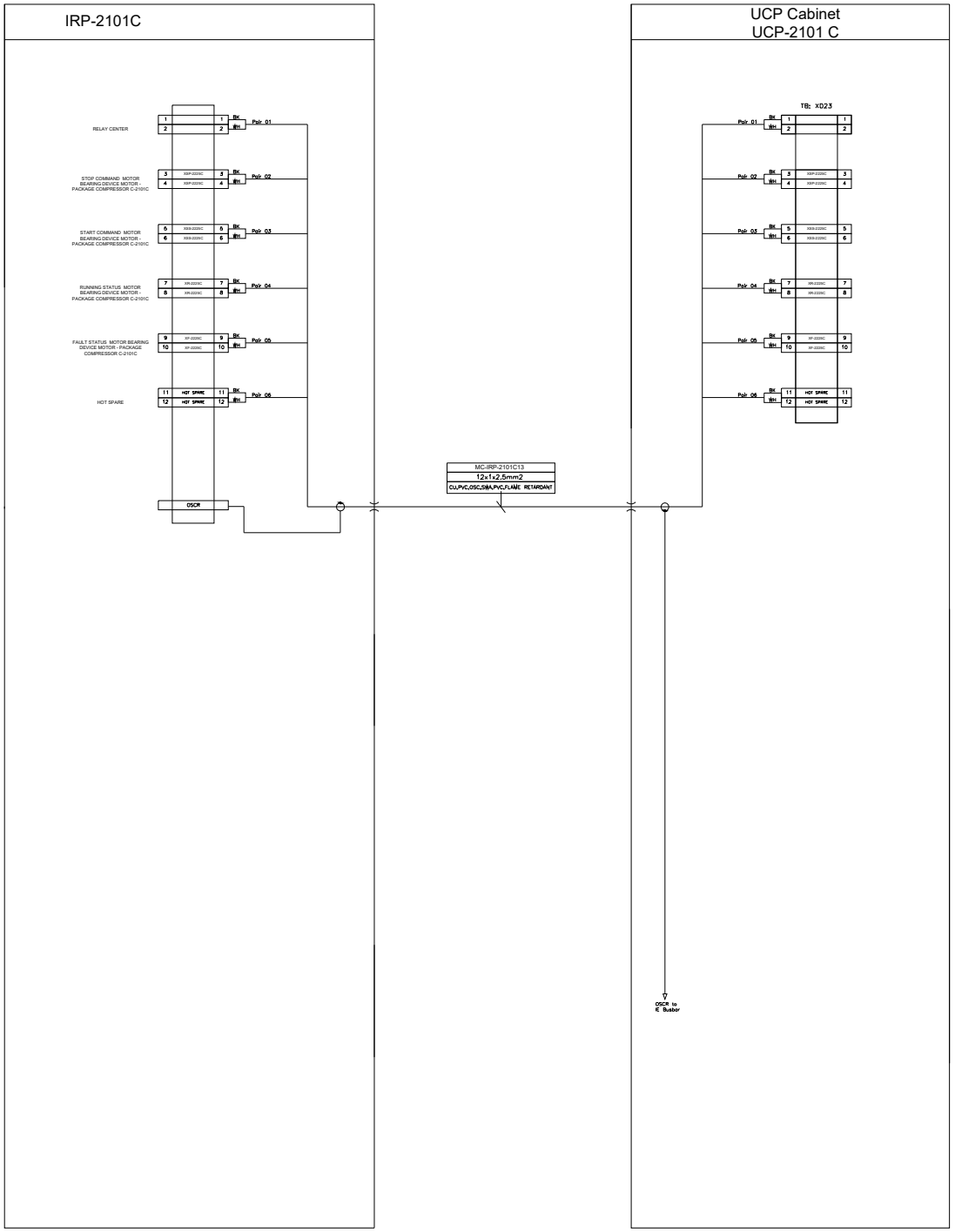
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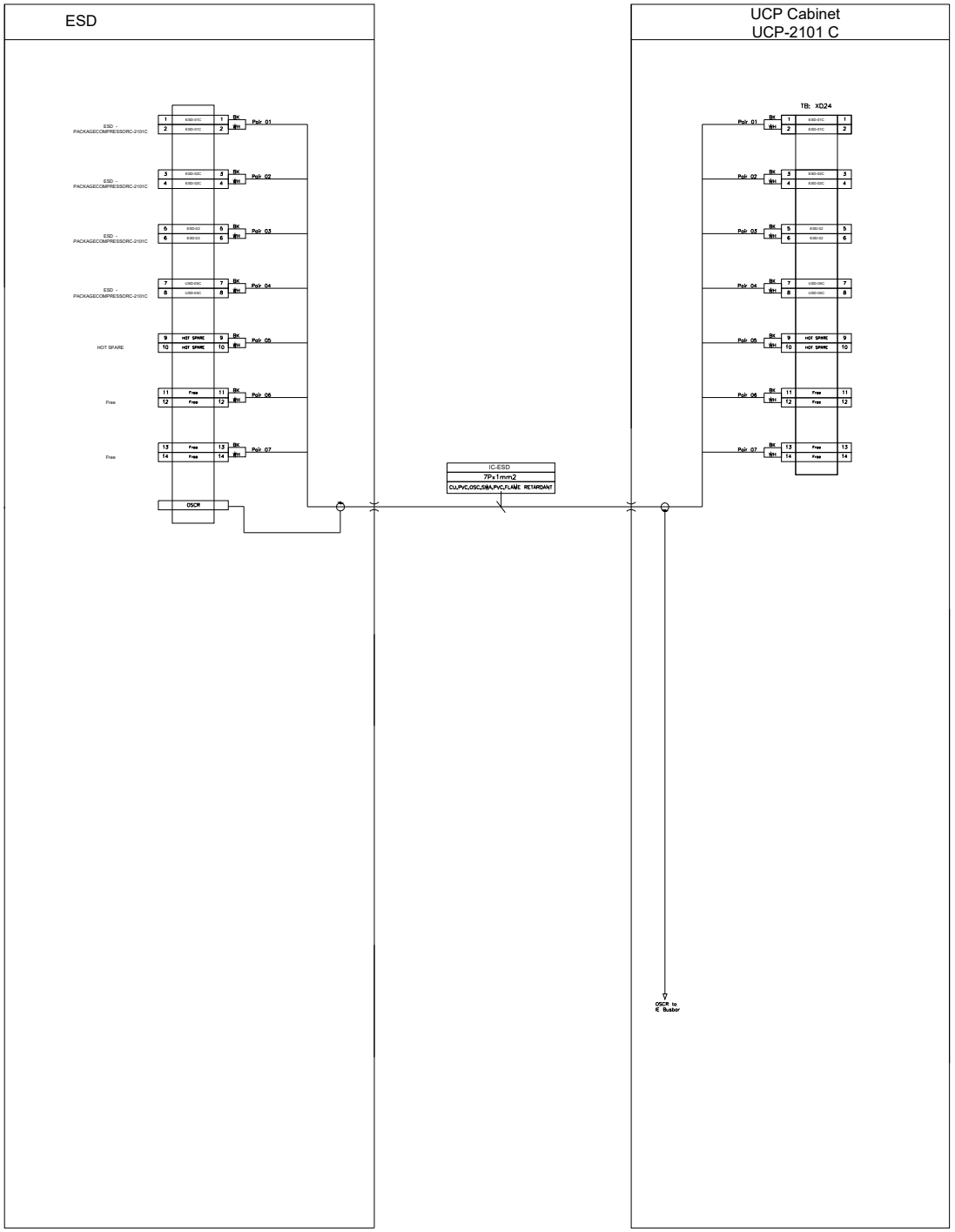
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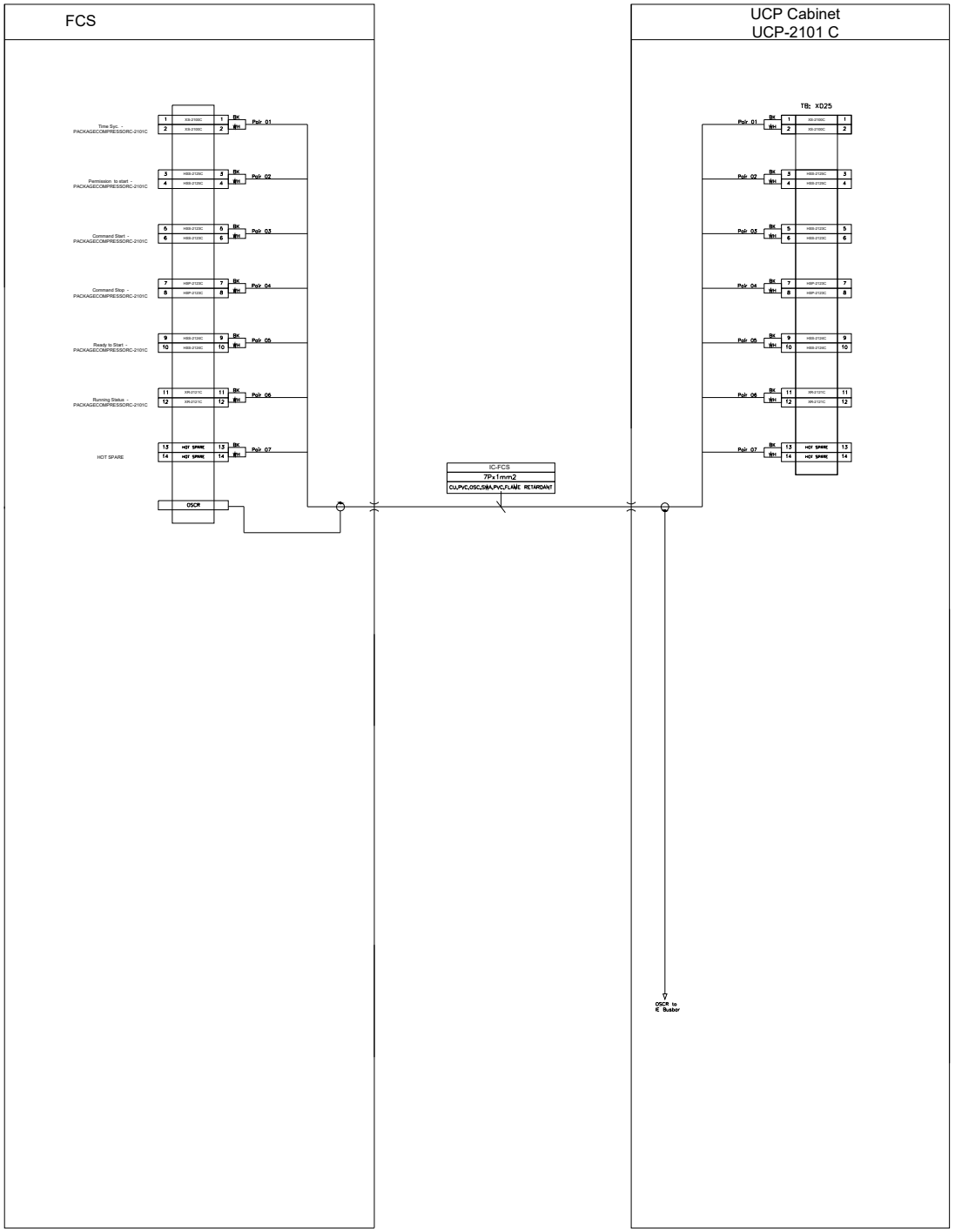
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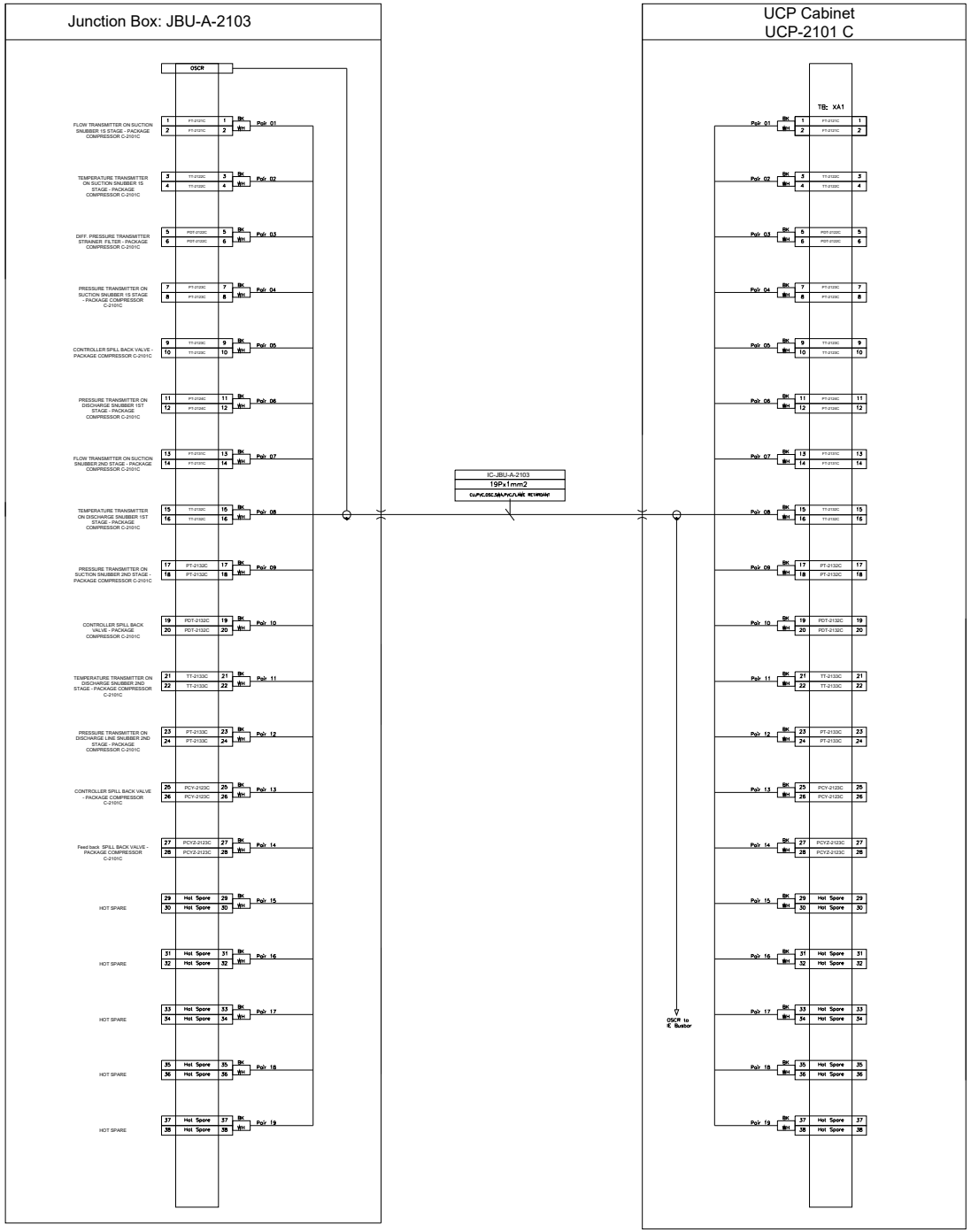
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

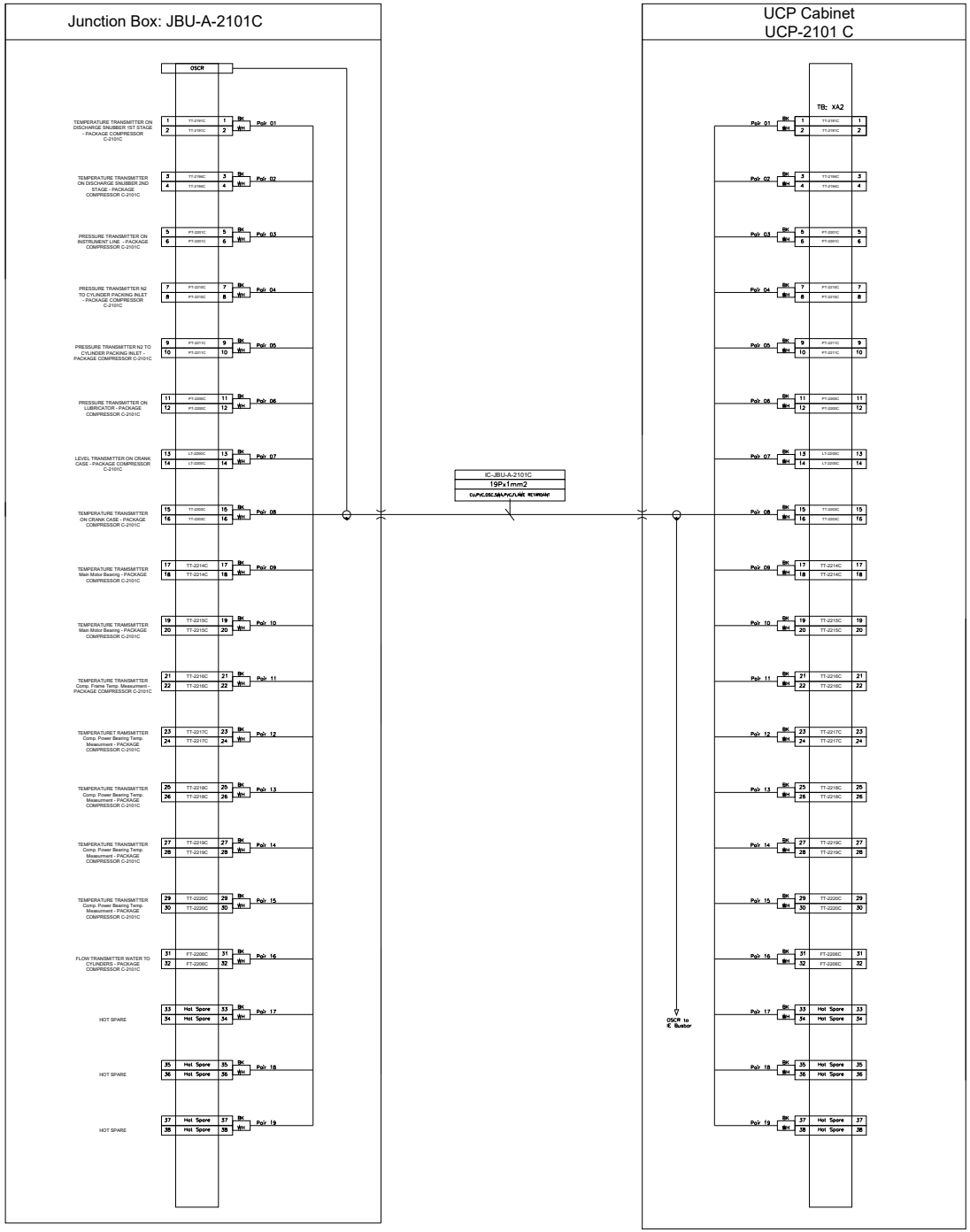
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

DRAWING TITLE: PLC WIRING DIAGRAM & TERMINAL DETAILS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	329 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



NOTES

LEGEND

REFERENCE DRAWING	DRG. No.
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KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	** **	*** ****	** **	*** ****
VOO	FEB.2024	IFR	A.Tamjidi	P.Colcari	R.Dehghan
REV.	DATE	P.O.I.S	PREP.	CHK.	APP. AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR:

EPD/EPC CONTRACTOR (GC):

PEDCO

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

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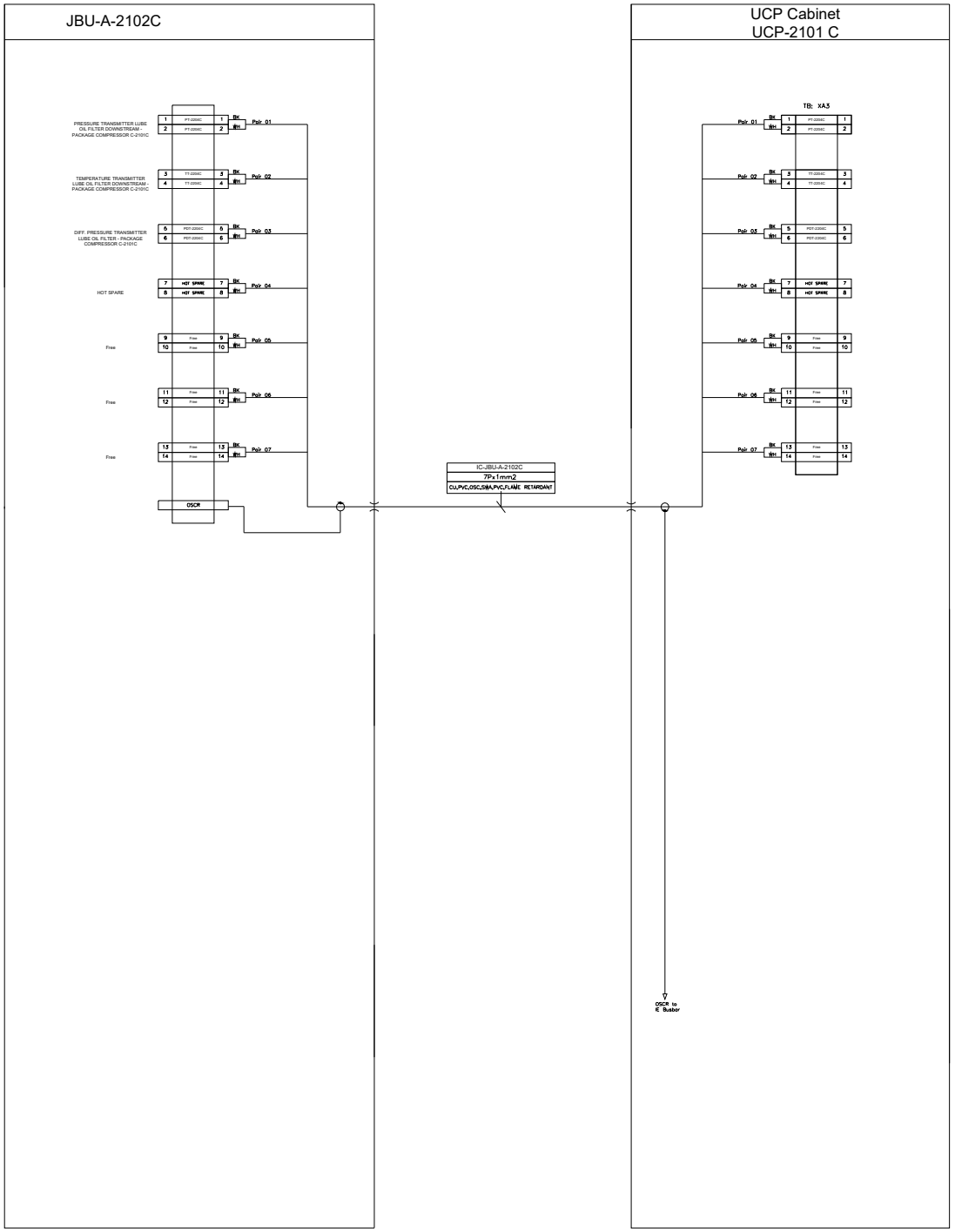
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-GCS-HY-120-IN-DG-0001	330 OF 336	VOO



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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
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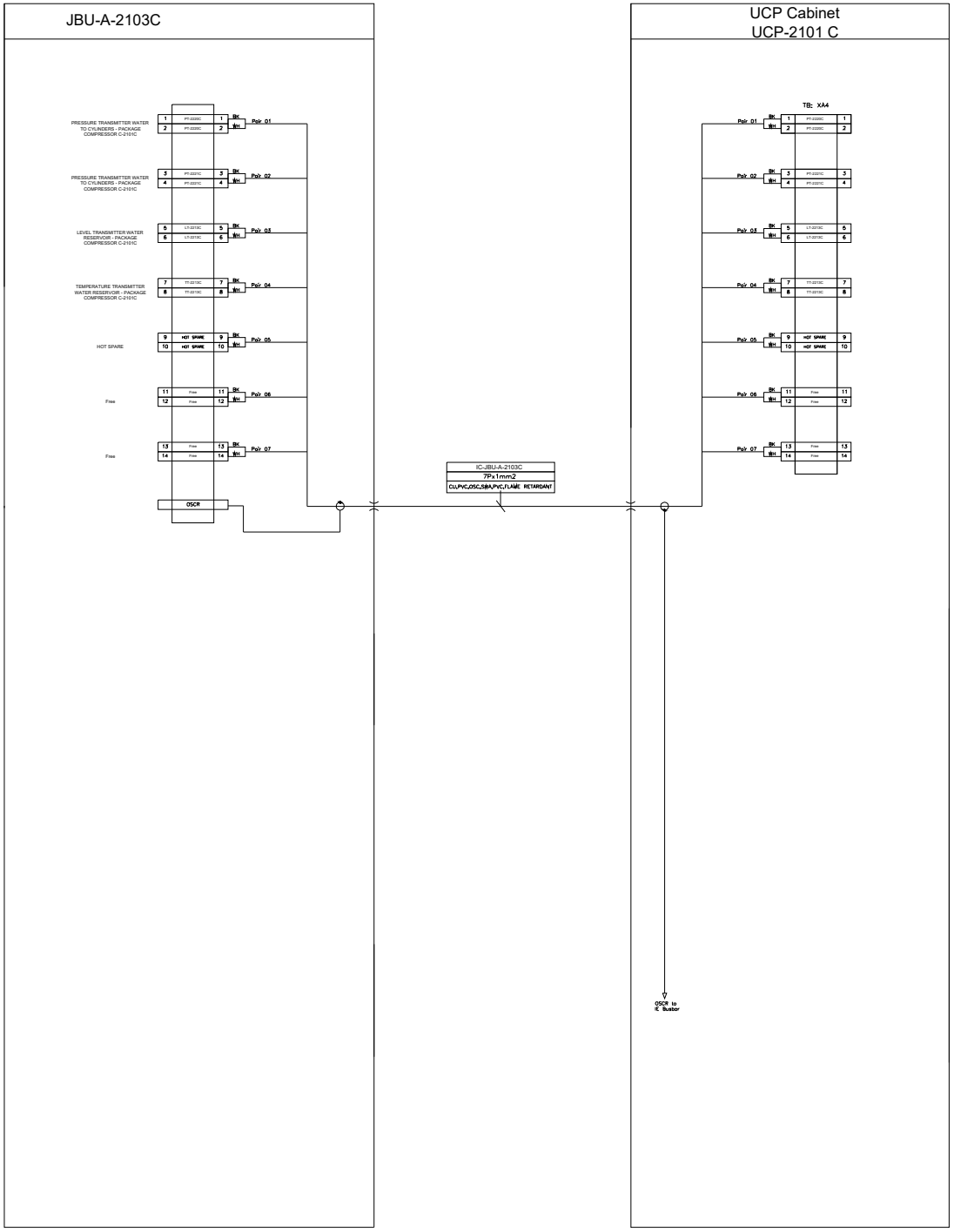
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	331 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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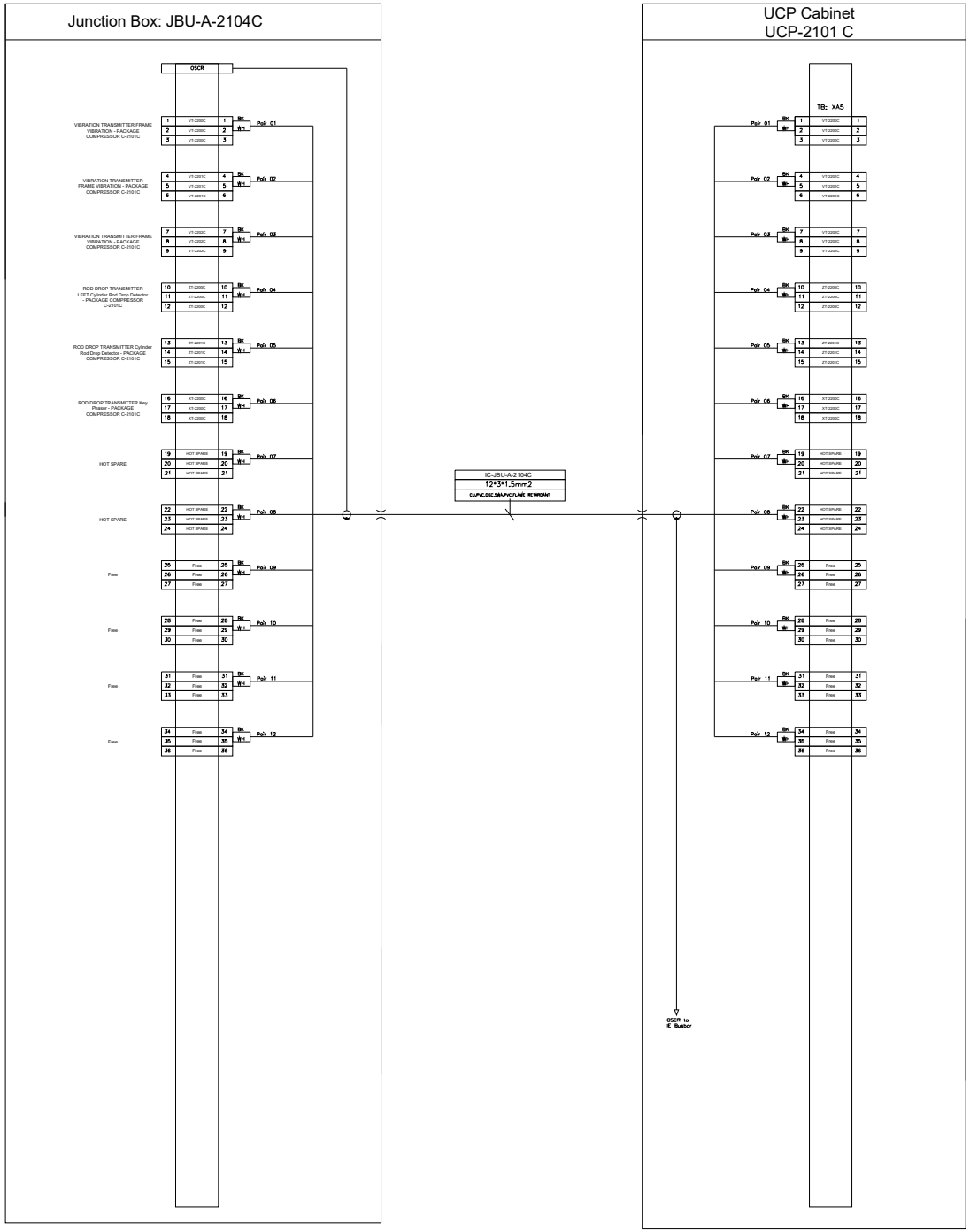
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1:1	A3	BK-OCS-HY-120-IN-DG-0001	332 OF 336	V00

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



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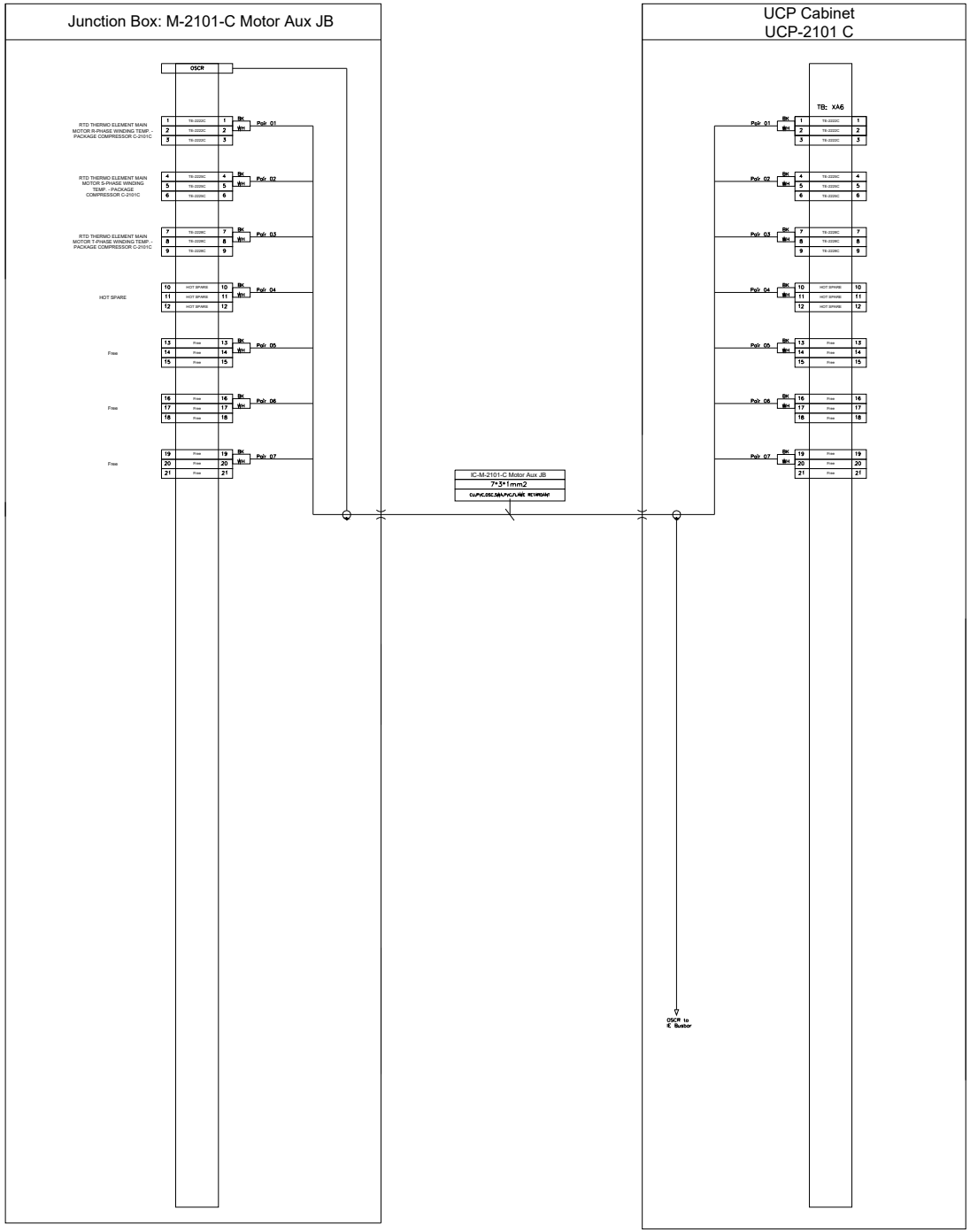
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1:1	A3	BK-GCS-HY-120-IN-DG-0001	333 OF 336	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION



NOTES

Motor Aux JB

LEGEND

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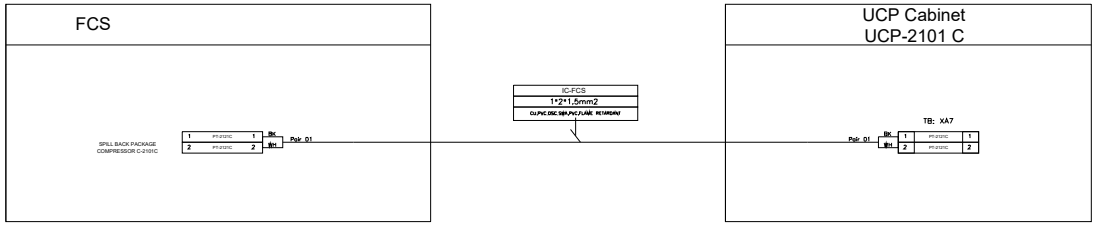
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