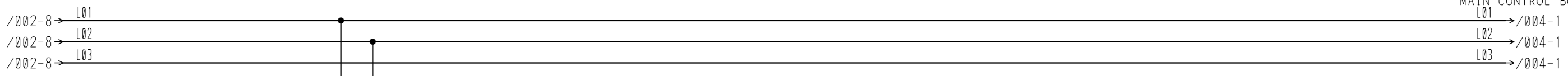


REV.	△	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW						PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	電源、動力回路(2/). POWER SUPPLY & POWER CIRCUIT(2/).	SH. NO.
	△							NPC Incorporated	DWG. NO	18003587-02-SD	002	

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メイン制御盤
MAIN CONTROL BOX
L01 → /004-1
L02 → /004-1
L03 → /004-1



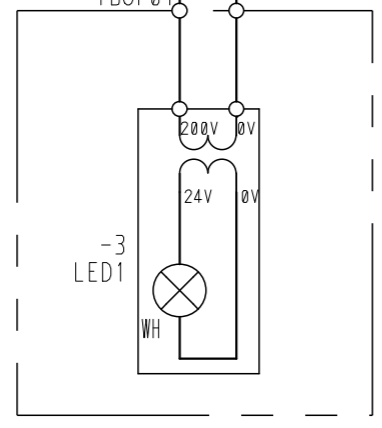
1.5mm² (AWG16)

L131 L231 L132 L232

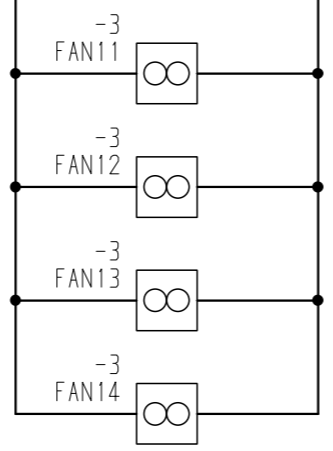
TB01

2 X 1.0
-3COP00

TBOP01

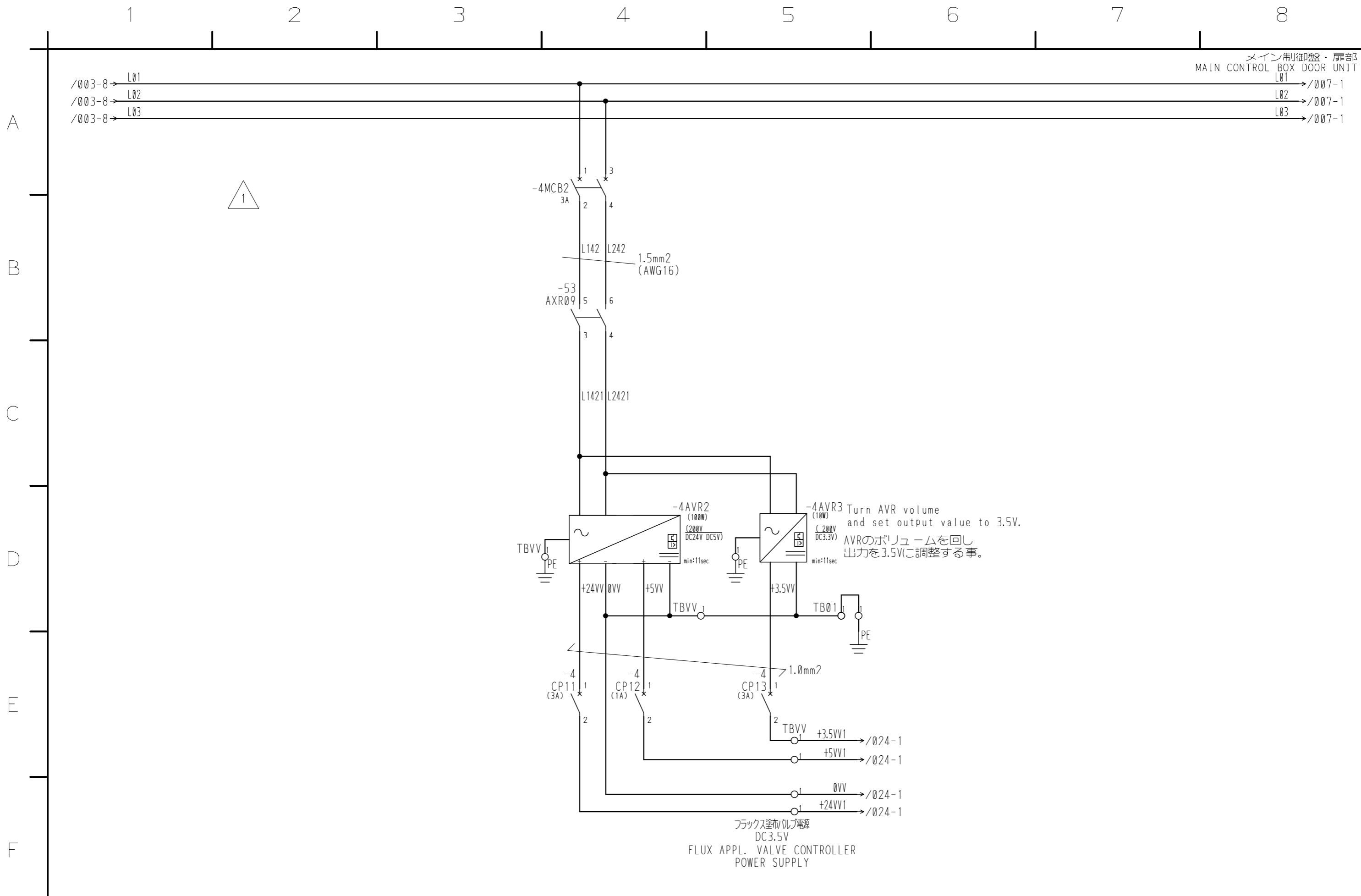


メイン操作BOX (BHM)
MAIN OPERATION BOX (BHM)

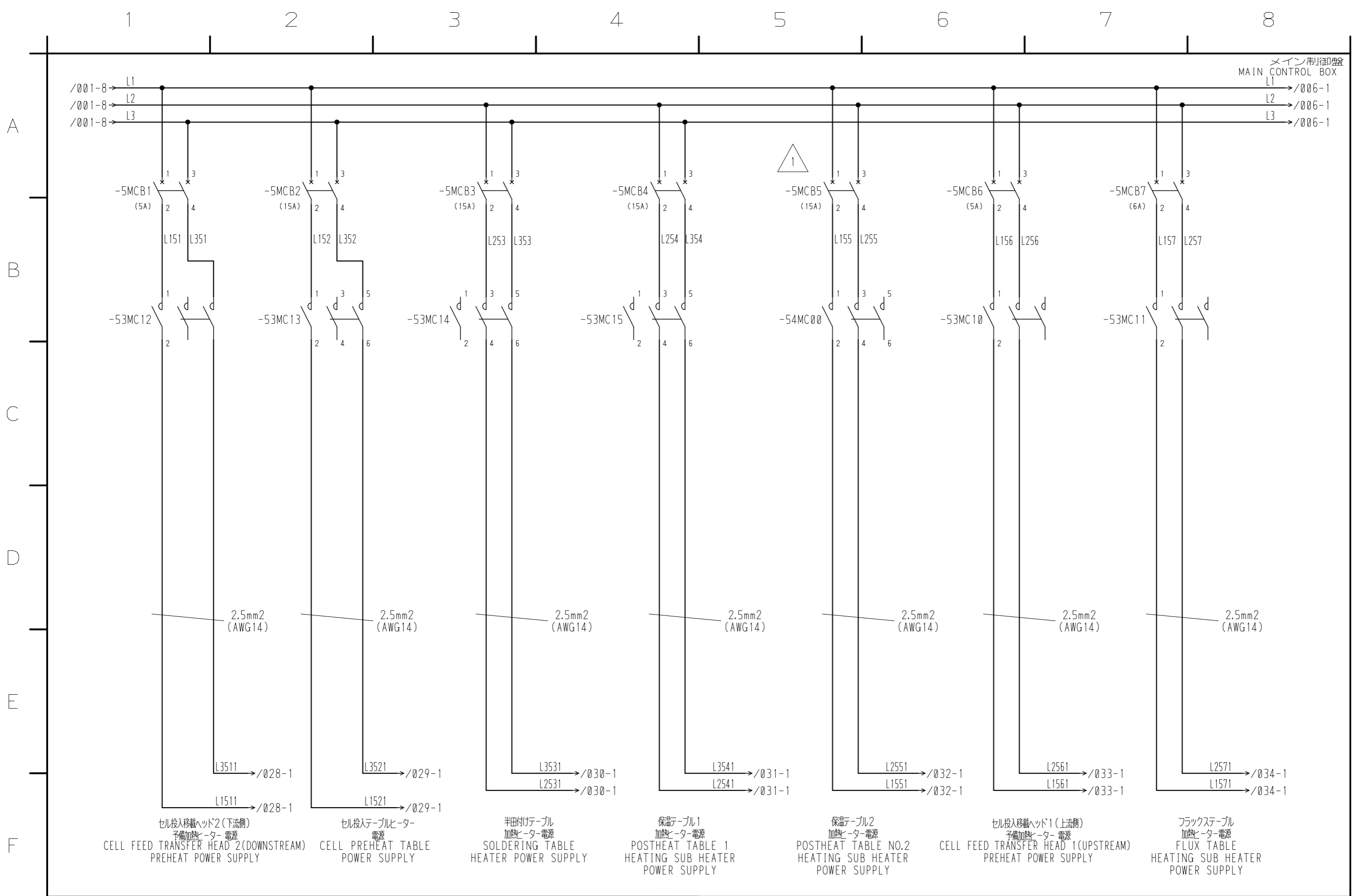


制御BOX冷却ファン
CONTROL BOX COOLING FAN

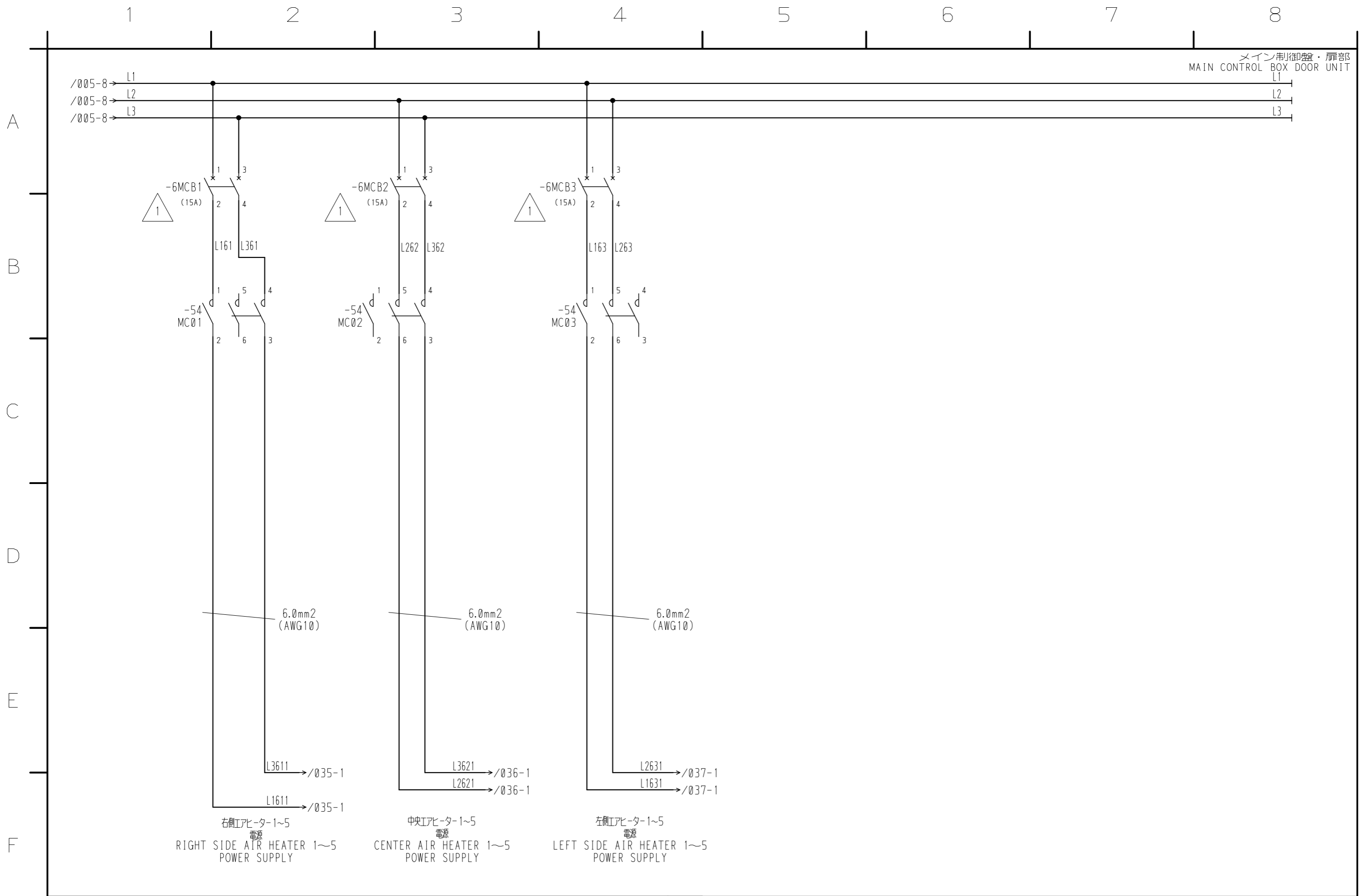
REV.							PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	電源、動力回路(3/). POWER SUPPLY & POWER CIRCUIT(3/).	SH. NO.
							NPC Incorporated		DWG. NO	18003587-02-SD	003



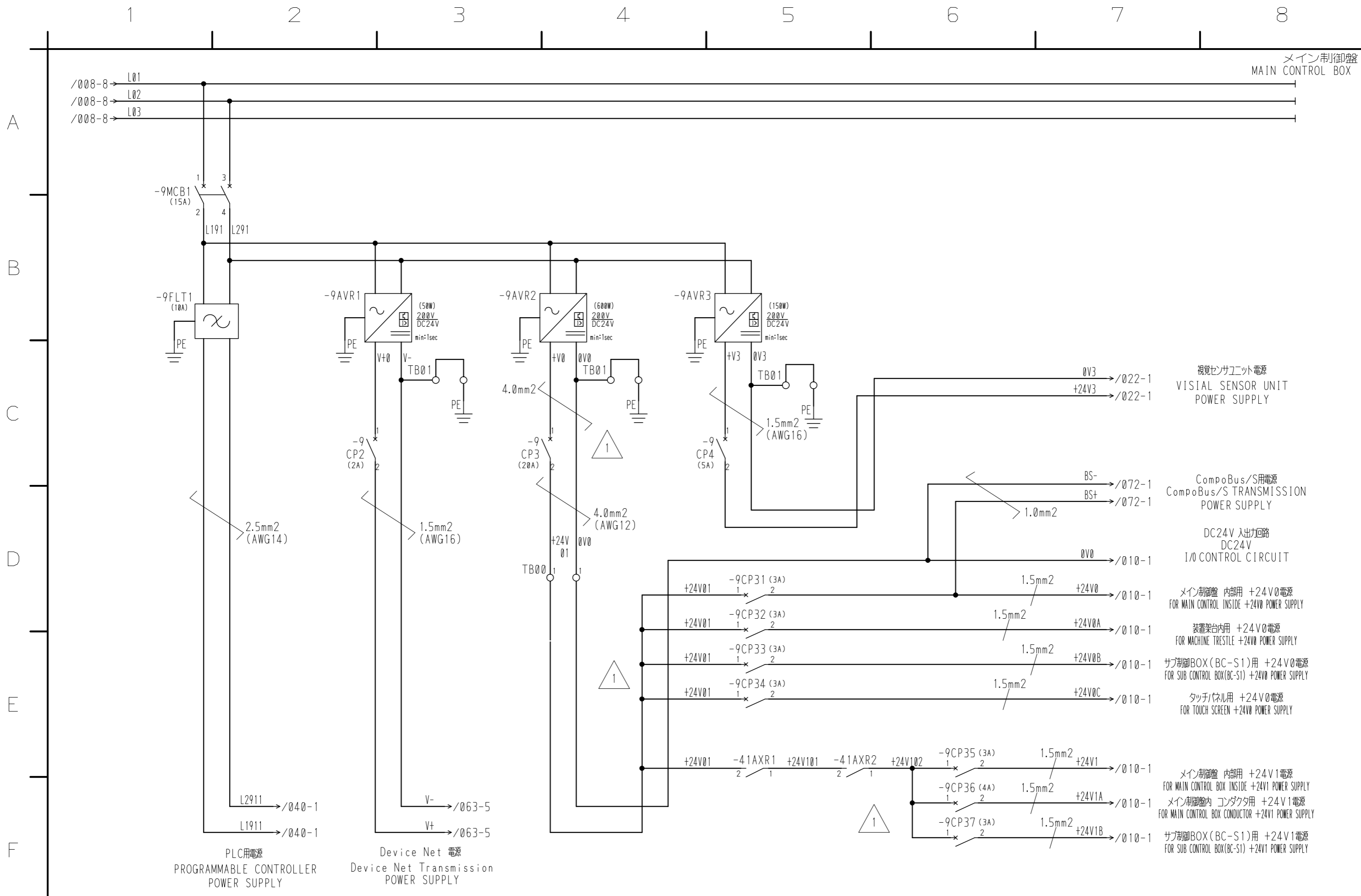
△	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW		△		PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(4/). POWER SUPPLY & POWER CIRCUIT(4/).	SH. NO.
△			△		NPC Incorporated	DWG. NO	18003587-02-SD	004	
REV. △			REV. △						



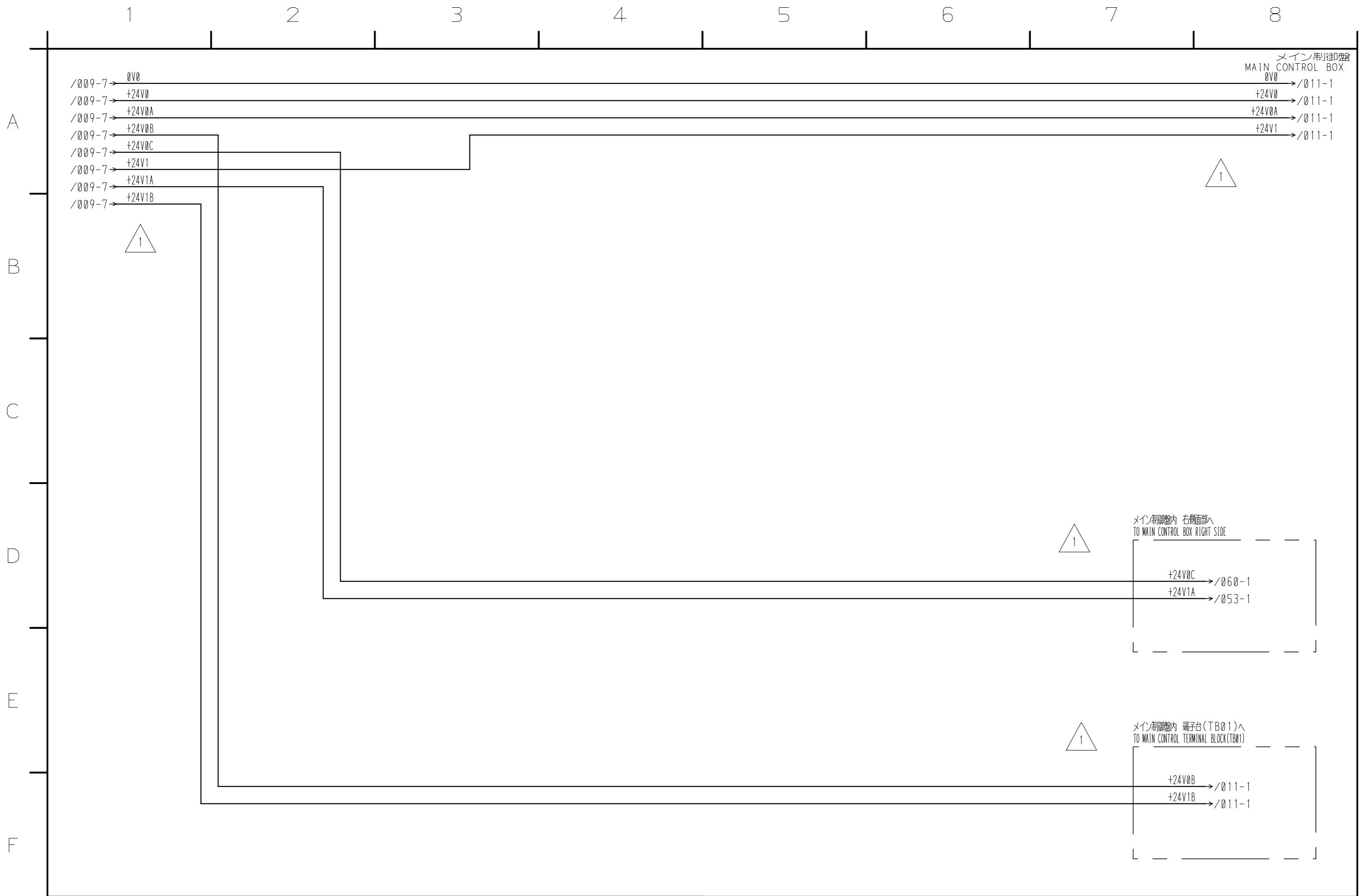
REV.	1	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW	REV.	1	PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(5/)ヒーター部電源(1/2) POWER SUPPLY & POWER CIRCUIT(5/) HEATER PART POWER SUPPLY(1/2).	SH. NO.
					NPC Incorporated		DWG. NO	18003587-02-SD	005



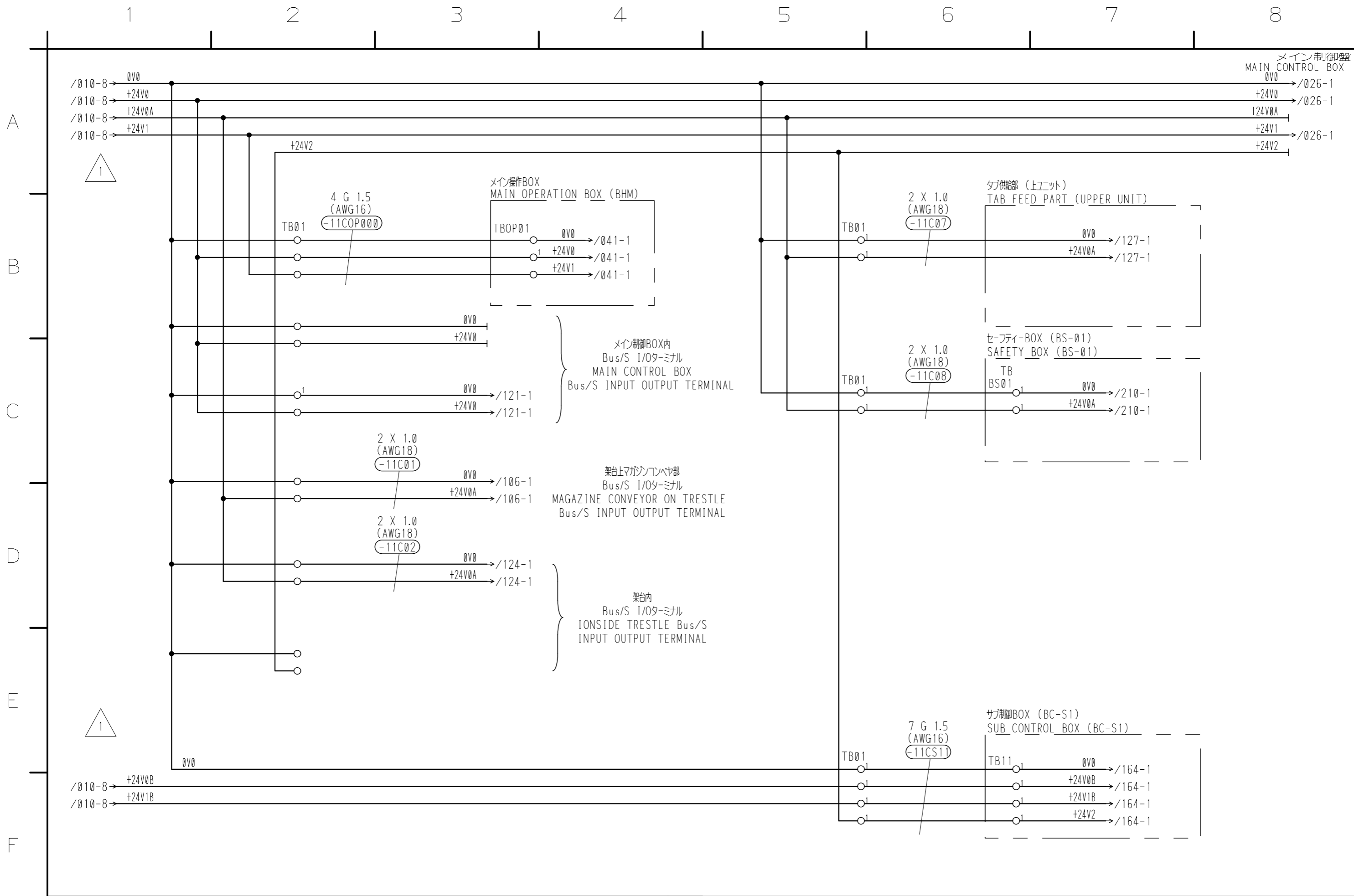
REV.	△	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW						PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(6/)ヒーター部電源(2/2) POWER SUPPLY & POWER CIRCUIT(6/) HEATER PART POWER SUPPLY(2/2)	SH. NO.
	△							NPC Incorporated		DWG. NO	18003587-02-SD	006



REV.	▲	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW	▲	REV.	▲	PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(9/)制御電源 POWER SUPPLY & POWER CIRCUIT(9/) CONTROL POWER SUPPLY	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	009



REV.	▲	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW	▲	▲	▲	▲	▲	PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(10/)予備図 POWER SUPPLY & POWER CIRCUIT(10/) SPARE	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	010



メイン制御盤
MAIN CONTROL BOX
0V0 → /026-1
+24V0 → /026-1
+24V0A → /026-1
+24V1 → /026-1
+24V2 → /026-1

メイン操作BOX
MAIN OPERATION BOX (BHM)
TBOP01
0V0 → /041-1
+24V0 → /041-1
+24V1 → /041-1

タブ供給部 (上ユニット)
TAB FEED PART (UPPER UNIT)
0V0 → /127-1
+24V0A → /127-1

セーフティBOX (BS-01)
SAFETY BOX (BS-01)
TB BS01
0V0 → /210-1
+24V0A → /210-1

メイン制御BOX内
Bus/S I/Oターミナル
MAIN CONTROL BOX
Bus/S INPUT OUTPUT TERMINAL
0V0 → /121-1
+24V0 → /121-1

架上マジンコンベヤ部
Bus/S I/Oターミナル
MAGAZINE CONVEYOR ON TRESTLE
Bus/S INPUT OUTPUT TERMINAL
0V0 → /106-1
+24V0A → /106-1

架台内
Bus/S I/Oターミナル
INSIDE TRESTLE Bus/S
INPUT OUTPUT TERMINAL
0V0 → /124-1
+24V0A → /124-1

サブ制御BOX (BC-S1)
SUB CONTROL BOX (BC-S1)
TB11
0V0 → /164-1
+24V0B → /164-1
+24V1B → /164-1
+24V2 → /164-1

CSA電気安全審査における指摘点の変更
CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW

PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	電源、動力回路(11/)DC24V制御電源分岐 POWER SUPPLY & POWER CIRCUIT(11/) DC24V CONTROL POWER BRANCH	SH. NO.	
NPC Incorporated		DWG. NO	18003587-02-SD	011	

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									PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(12/)予備図 POWER SUPPLY & POWER CIRCUIT(12/) SPARE	SH. NO.
									 NPC Incorporated	DWG. NO	18003587-02-SD	012	
REV.				REV.									

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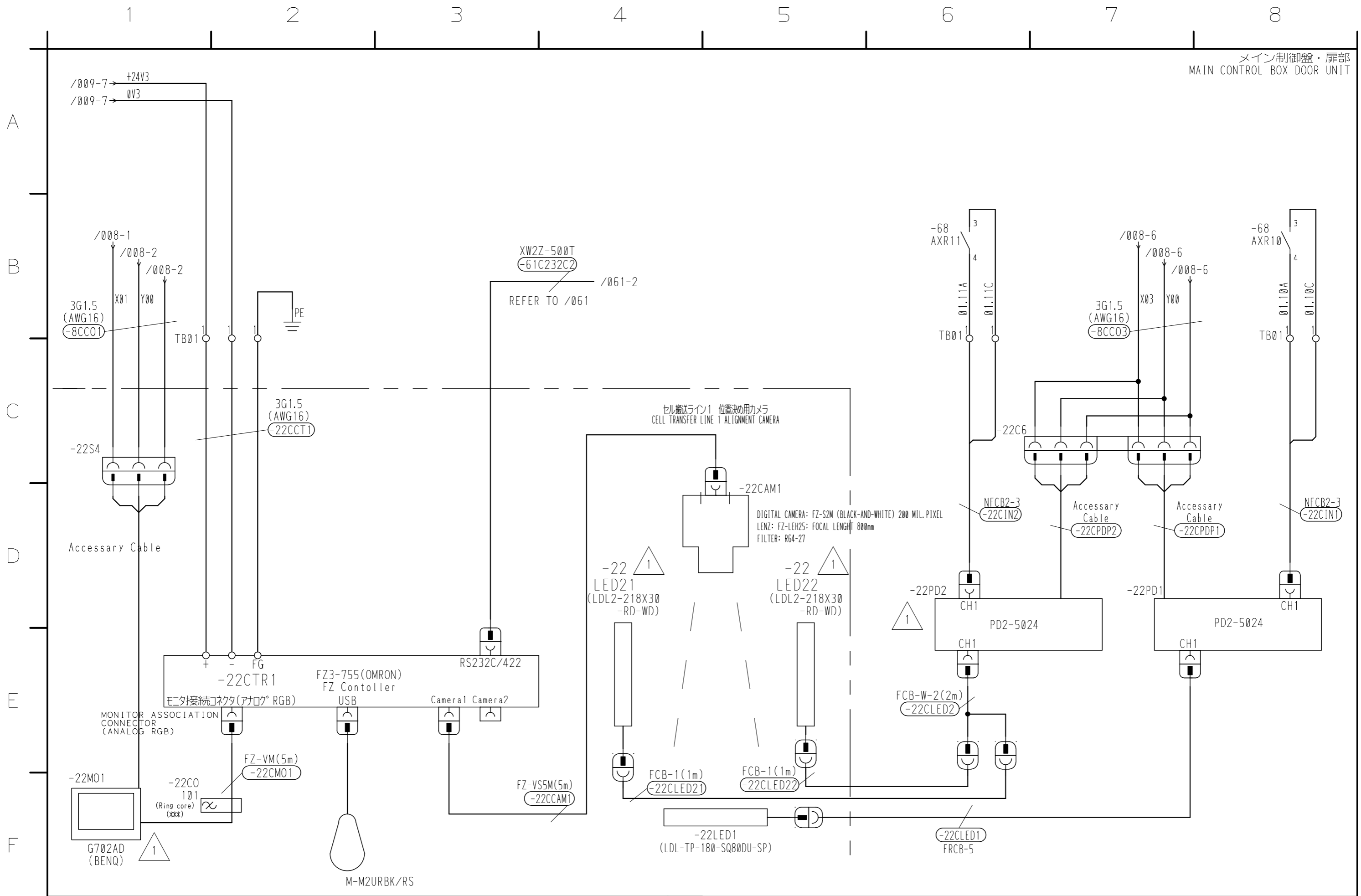
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△				△				PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(21/)セル位置決めロボット POWER SUPPLY & POWER CIRCUIT(21/) CELL ALIGNMENT ROBOT	SH. NO.
△				△				 NPC Incorporated	DWG. NO	18003587-02-SD	021	
REV.	△			REV.	△							



REV.	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW					PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(22V)カメラ部電源 POWER SUPPLY & POWER CIRCUIT(22V) CAMERA POWER CIRCUIT	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	022

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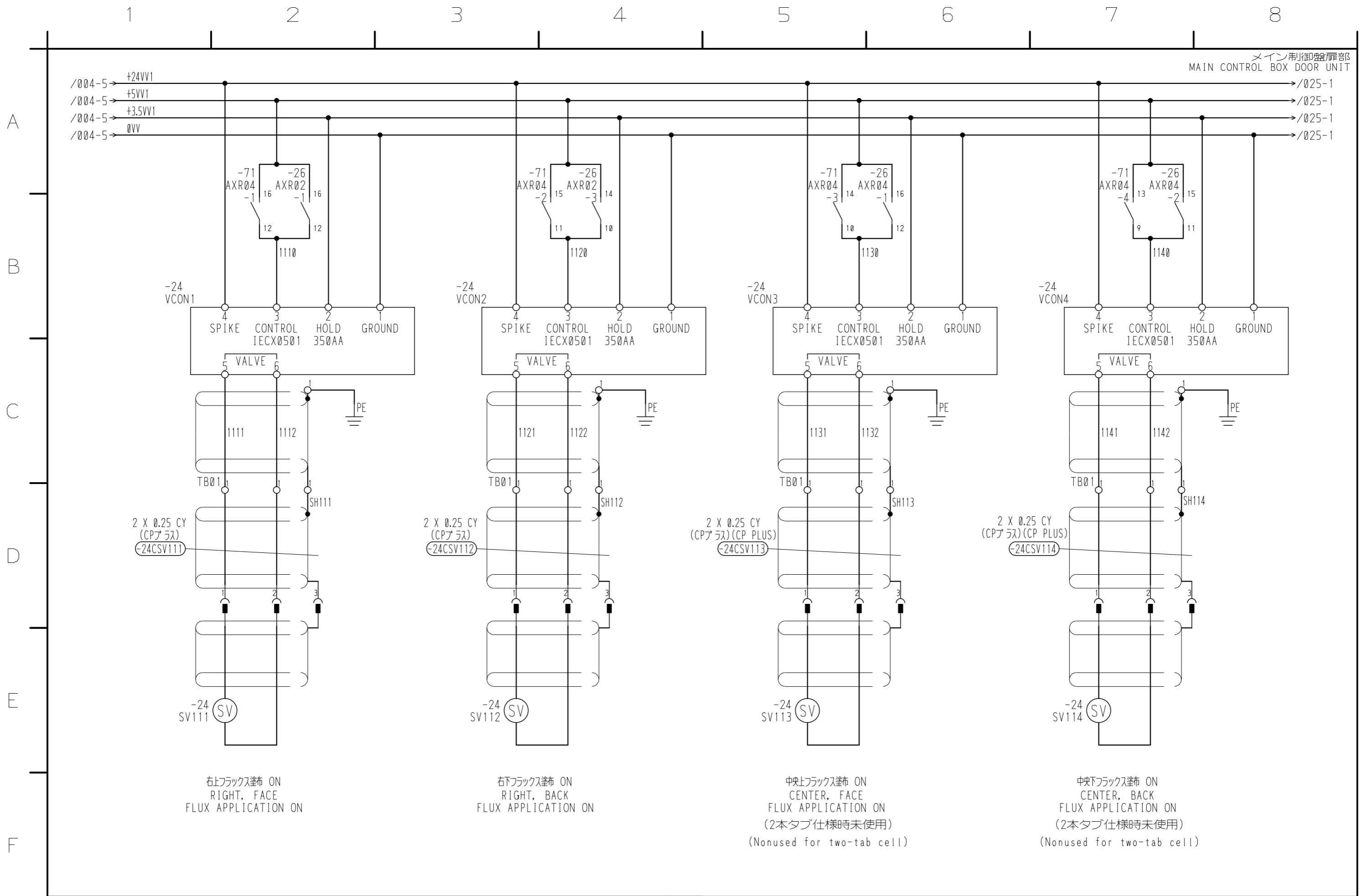
C

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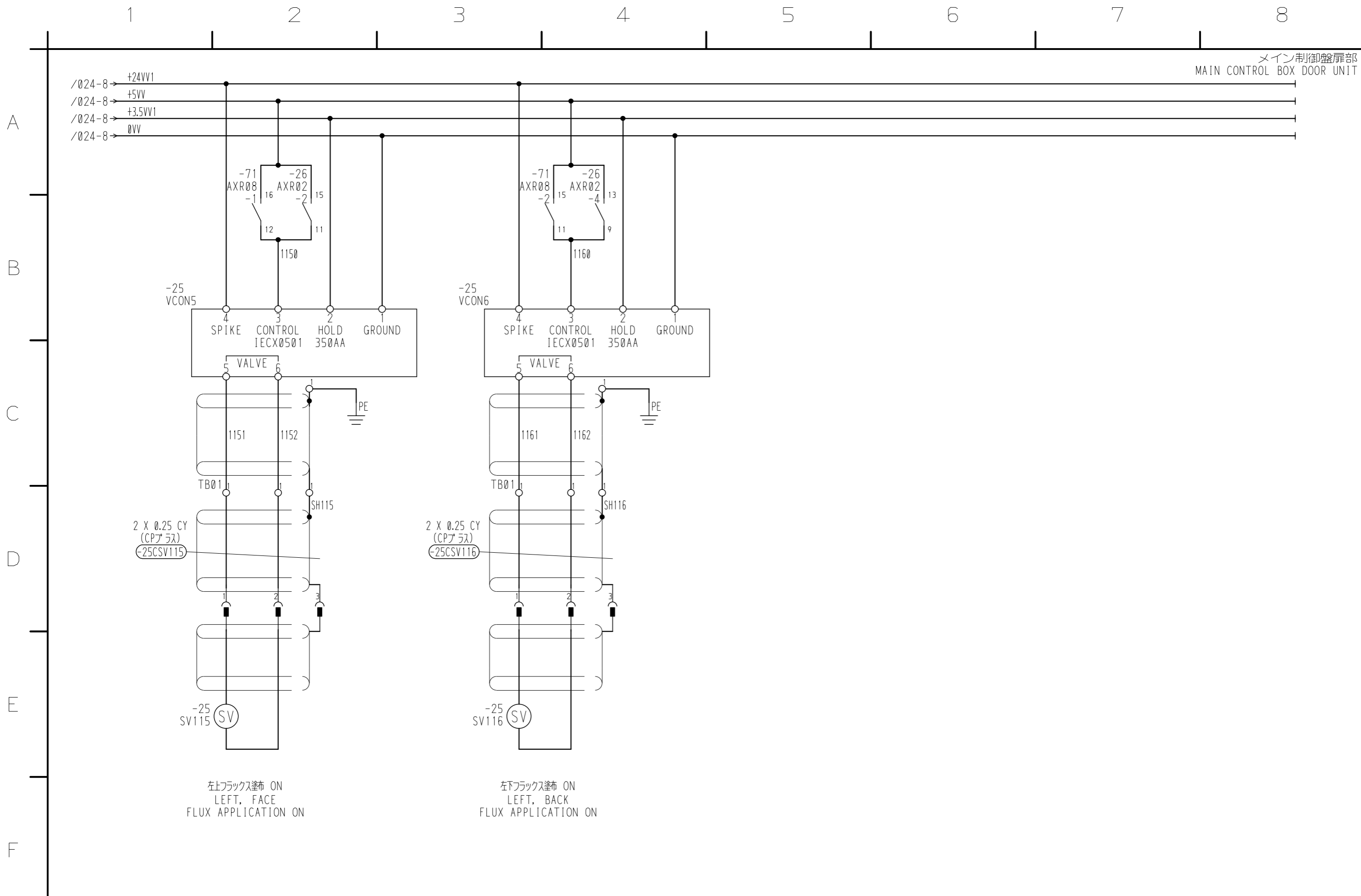
E

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									PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(23/)予備図 POWER SUPPLY & POWER CIRCUIT(23/) SPARE	SH. NO.
									 NPC Incorporated	DWG. NO	18003587-02-SD	023	
REV.				REV.									



REV.		REV.		PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源・動力回路(24V) POWER SUPPLY & POWER CIRCUIT(24V)	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	024



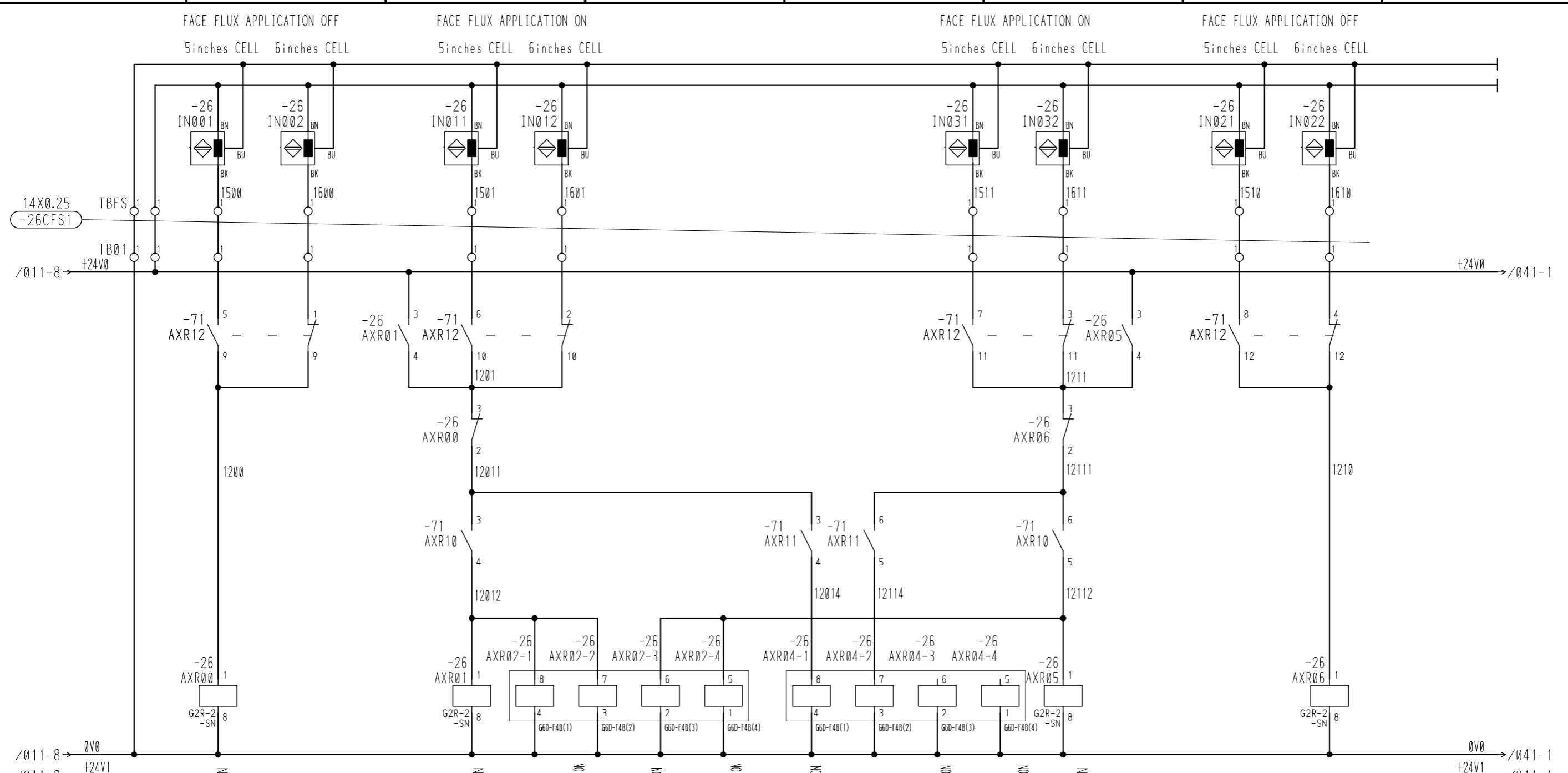
左上フラックス塗布 ON
LEFT, FACE
FLUX APPLICATION ON

左下フラックス塗布 ON
LEFT, BACK
FLUX APPLICATION ON

REV.						PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(25V)予備図 POWER SUPPLY & POWER CIRCUIT(25V) SPARE	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	025

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上フลักス塗布 OFF位置
*
FACE FLUX APPLICATION
OFF POSITION

-26AXR00
G2R-2-SN
a 3 4
b 3 2 026-3
a 6 5
b 6 7
COIL 11 8

上フลักス塗布 ON位置
*
FACE FLUX APPLICATION
ON POSITION

-26AXR01
G2R-2-SN
a 3 4 026-3
b 3 2
a 6 5 066-6
b 6 7
COIL 11 8

セル搬送ライン1
右フลักス塗布 ON
CELL TRANSFER LINE
RIGHT, FACE FLUX APPLICATION ON

-26AXR02-1
G6D-F4B(1)
a 11 11 024-2
COIL 41 8

-26AXR02-2
G6D-F4B(2)
a 11 11 025-2
COIL 31 7

-26AXR02-3
G6D-F4B(3)
a 11 01 024-4
COIL 21 6

-26AXR02-4
G6D-F4B(4)
a 9 1 025-4
COIL 11 5

セル搬送ライン1
中央上フลักス塗布 ON
CELL TRANSFER LINE
CENTER, FACE FLUX APPLICATION ON

-26AXR04-1
G6D-F4B(1)
a 11 2 024-6
COIL 41 8

-26AXR04-2
G6D-F4B(2)
a 11 1 024-7
COIL 31 7

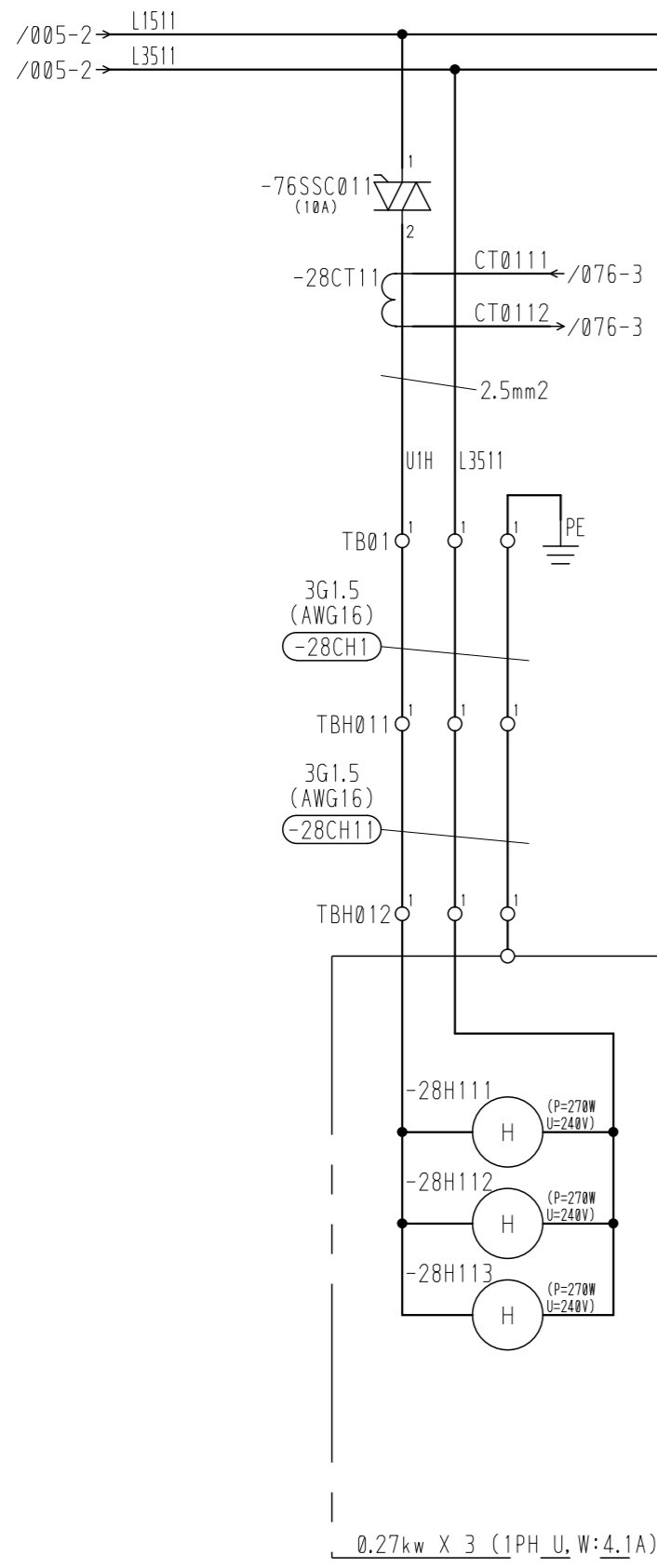
-26AXR05
G2R-2-SN
a 3 4 026-6
b 3 2
a 6 5 066-6
b 6 7
COIL 11 8

下フลักス塗布 OFF位置
*
BACK FLUX APPLICATION
OFF POSITION

-26AXR06
G2R-2-SN
a 3 4
b 3 2 026-6
a 6 5
b 6 7
COIL 11 8

REV.		REV.		PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源・動力回路(26V)タブリャーモーター POWER SUPPLY & POWER CIRCUIT(26V) TAB ROLLER MOTOR	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	026

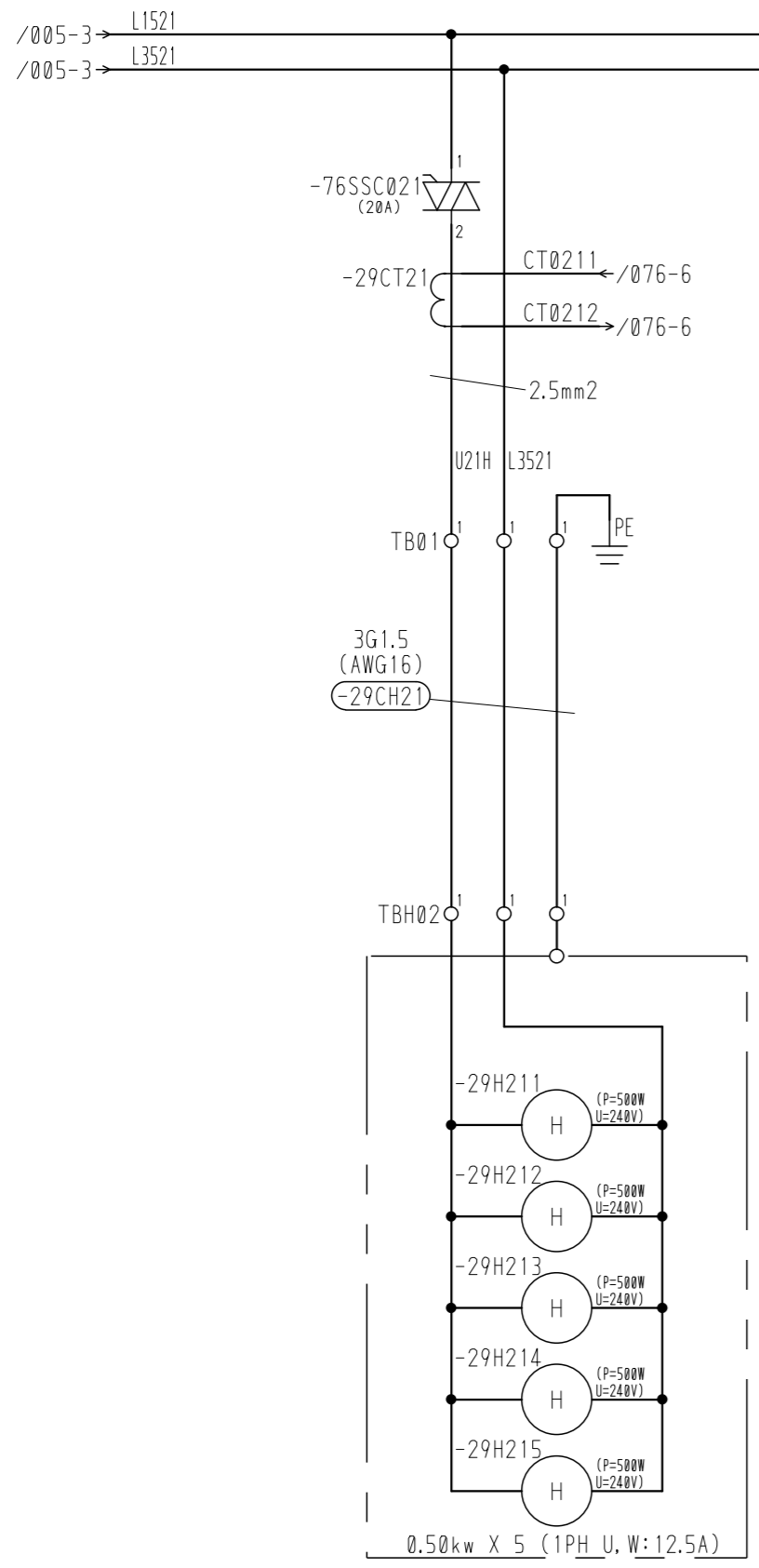
A
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セル予備加熱
セル投入移送ヘッド2部ヒーター
CELL PREHEAT
CELL FEED TRANSFER HEAD 2 HEATER

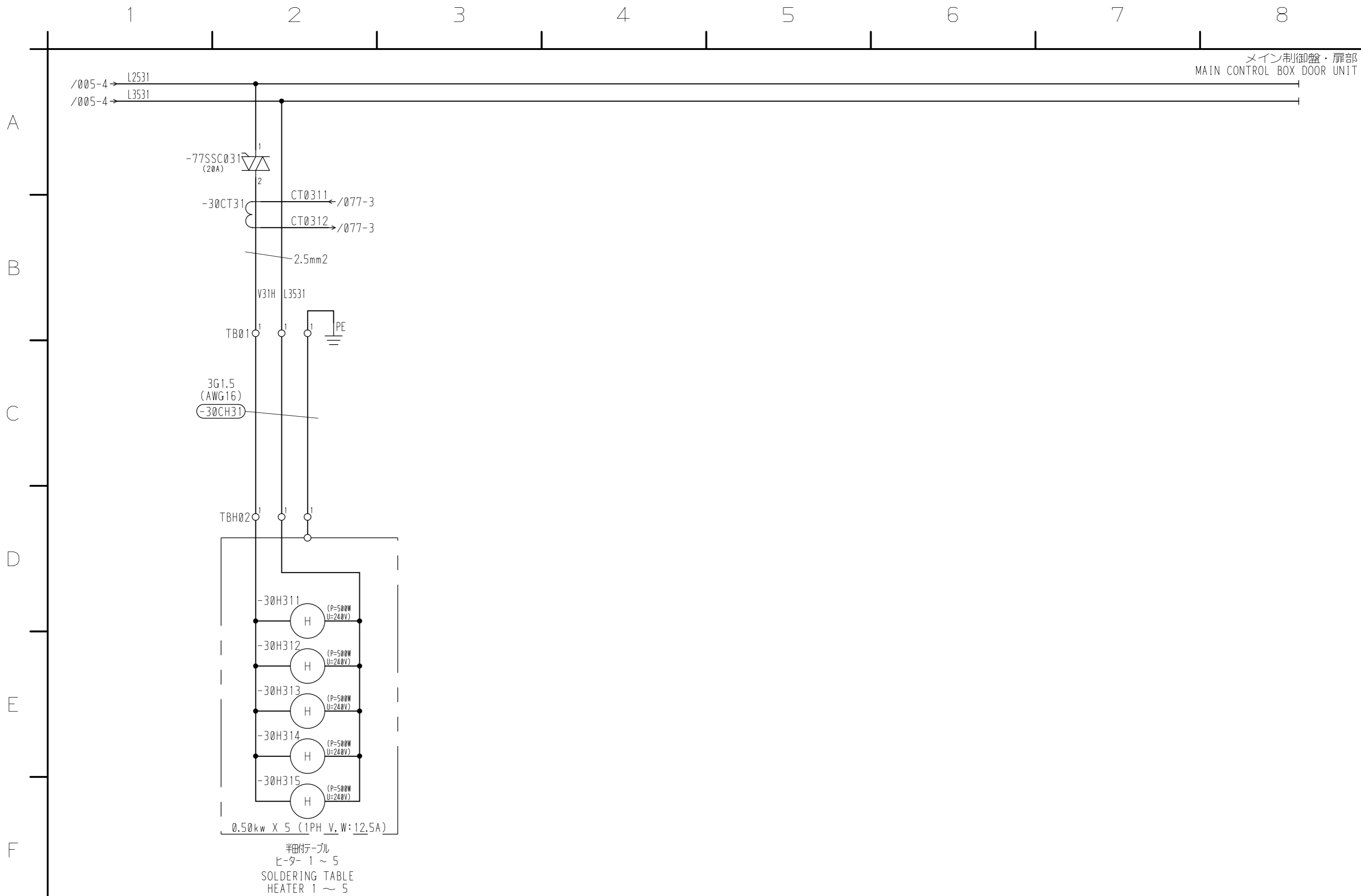
▲						PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(28/)セル予備加熱1セル投入移送部 POWER SUPPLY & POWER CIRCUIT(28/) CELL PREHEAT TRANSFER 1	SH. NO.
▲						NPC Incorporated	DWG. NO	18003587-02-SD	028	
REV.	▲				REV.		▲			

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セル投入テーブル
ヒータ 1 ~ 5
CELL PREHEAT TABLE 2
HEATER 1 ~ 5

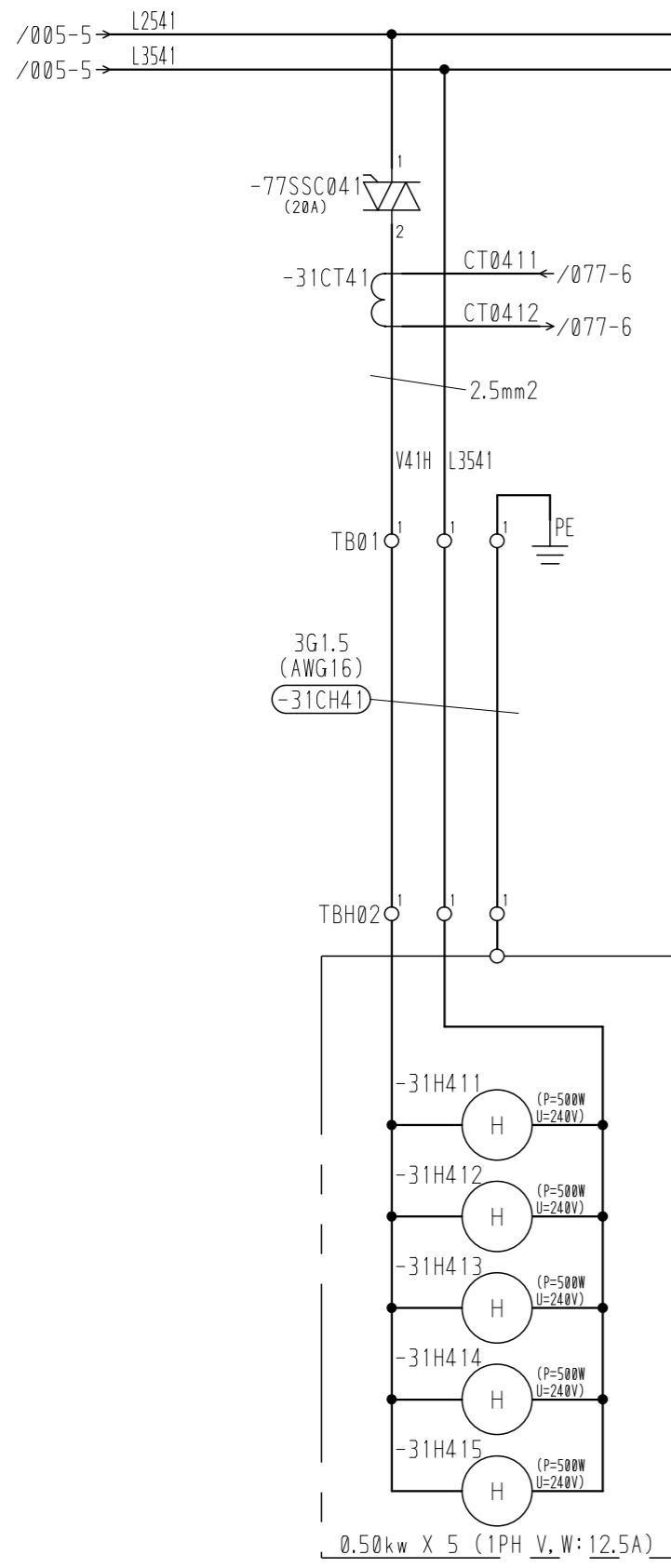
▲						PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(29/)セル予備加熱テーブル2 POWER SUPPLY & POWER CIRCUIT(29/) CELL PREHEAT TABLE 2	SH. NO.
▲						NPC Incorporated	DWG. NO	18003587-02-SD	029	
REV.	▲			REV.	▲					



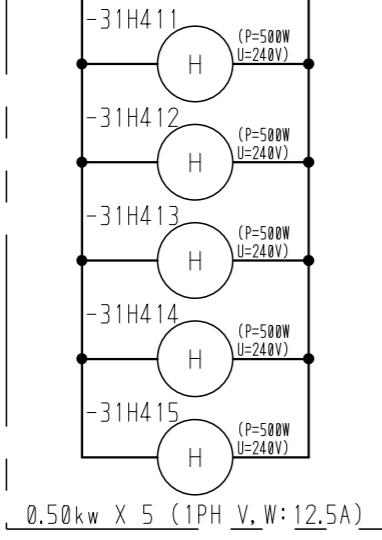
REV.								PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源・動力回路(30%)半田付テーブル POWER SUPPLY & POWER CIRCUIT(30%) SOLDERING TABLE	SH. NO.
										DWG. NO	18003587-02-SD	030

 NPC Incorporated

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3G1.5
(AWG16)
(-31CH41)

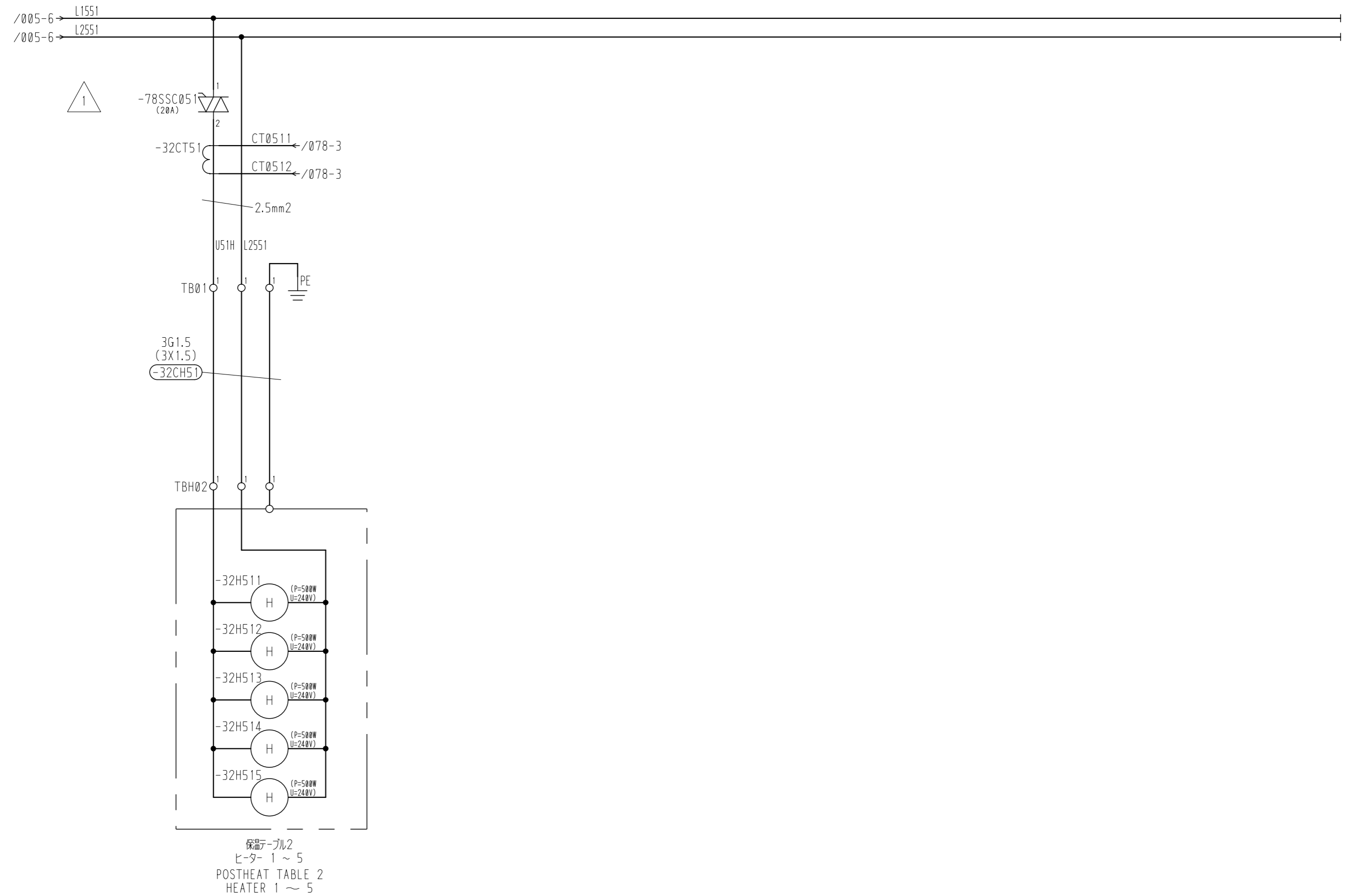


保温テーブル1
ヒーター 1 ~ 5
POSTHEAT TABLE 1
HEATER 1 ~ 5

△								PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(31/)保温テーブル1 POWER SUPPLY & POWER CIRCUIT(31/) POSTHEAT TABLE NO.1	SH. NO.
△								NPC Incorporated	DWG. NO	18003587-02-SD	031	
△							REV.					

1 2 3 4 5 6 7 8

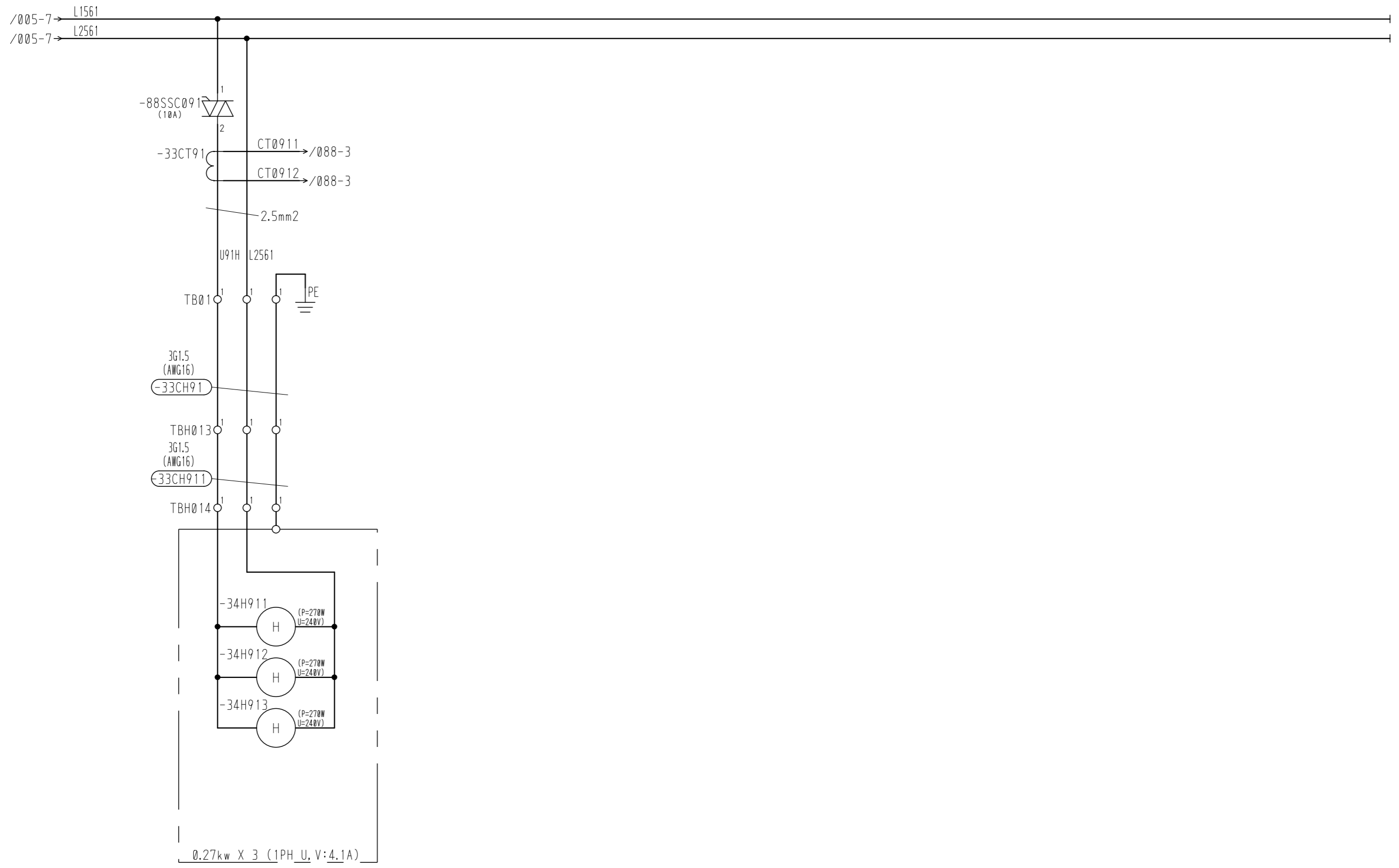
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REV.	1	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW	REV.	1	PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(32/)予備図 POWER SUPPLY & POWER CIRCUIT(32/) SPARE	SH. NO.
					NPC Incorporated		DWG. NO	18003587-02-SD	032

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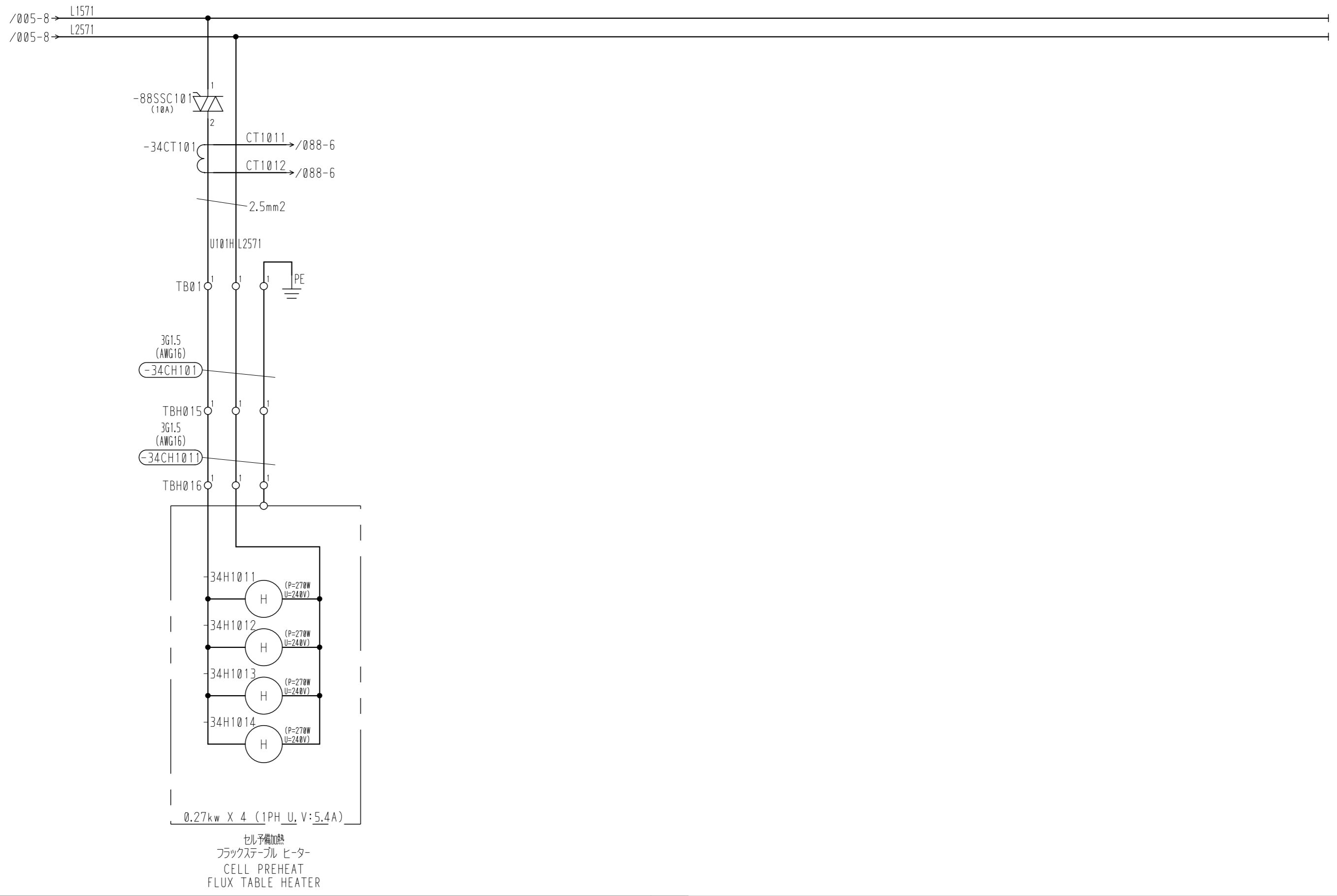


セル予備加熱
 セル投入移載ヘッド1部ヒーター
 CELL PREHEAT
 CELL FEED TRANSFER HEAD 1 HEATER

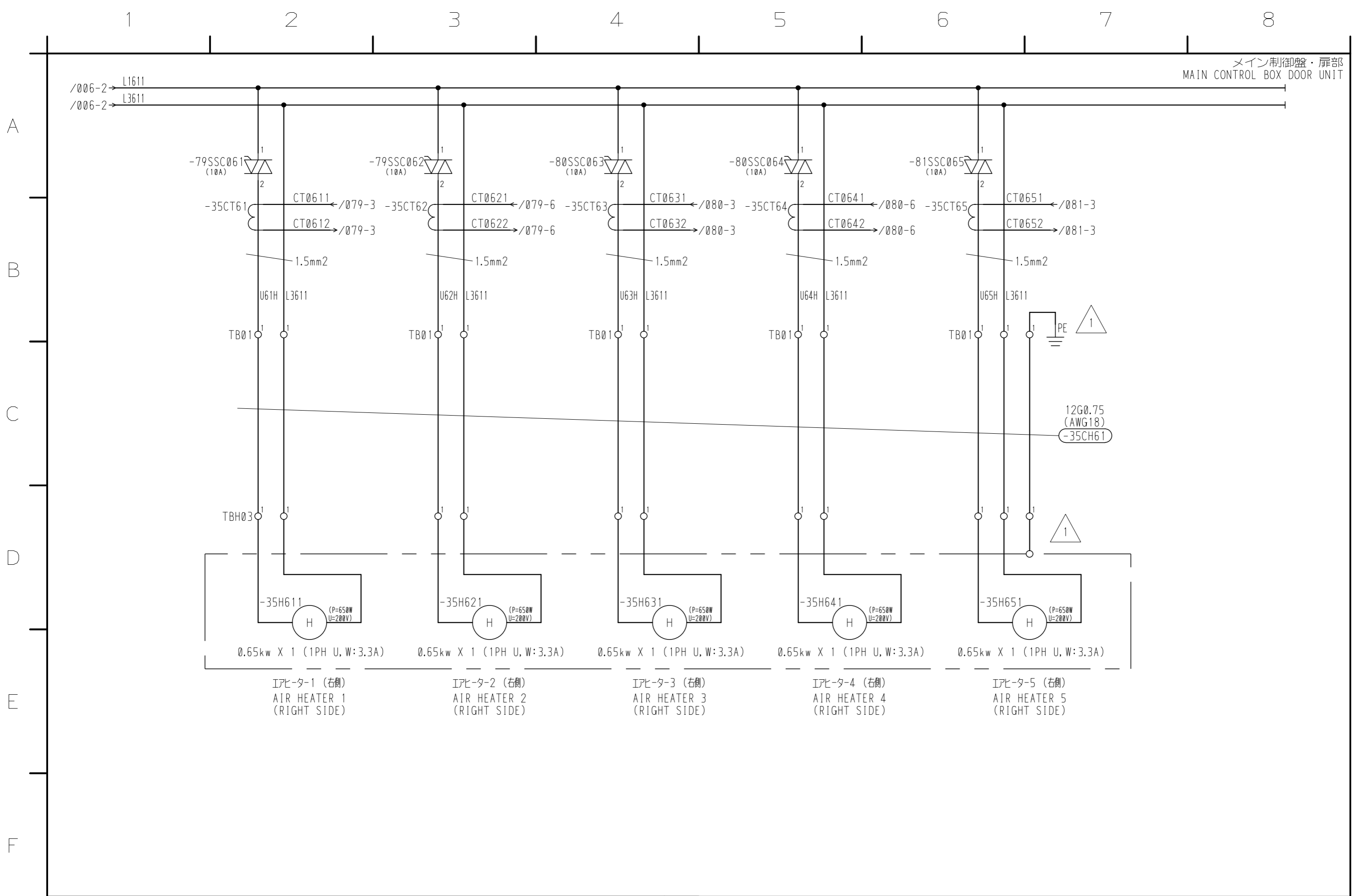
△									PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(33/)予備図 POWER SUPPLY & POWER CIRCUIT(33/) SPARE	SH. NO.
△									NPC Incorporated	DWG. NO	18003587-02-SD	033	
REV.	△							REV.		△			

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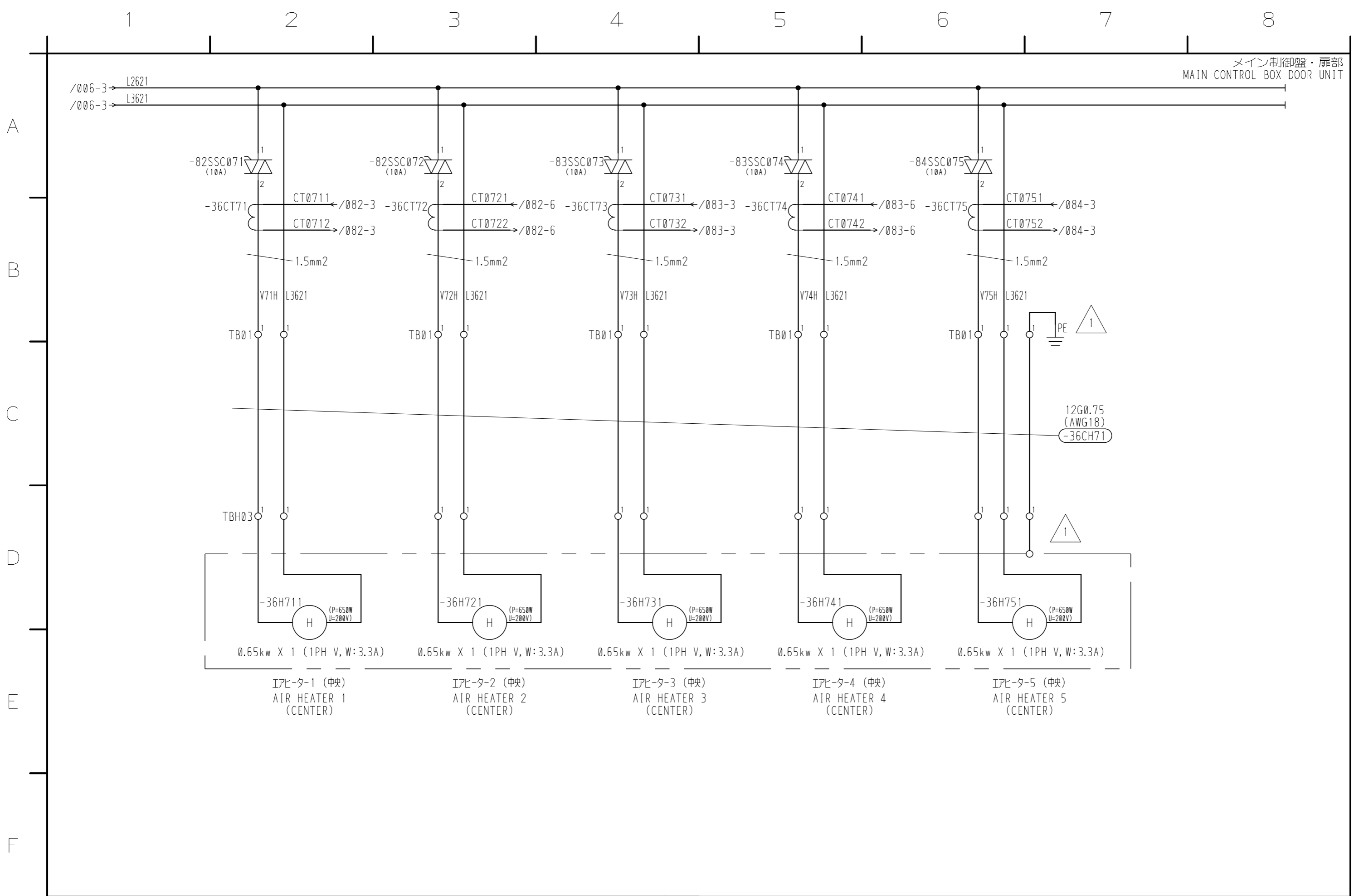


▲						PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(34/)予備図 POWER SUPPLY & POWER CIRCUIT(34/) SPARE	SH. NO.
▲						NPC Incorporated	DWG. NO	18003587-02-SD	034	
REV.	▲				REV.		▲			

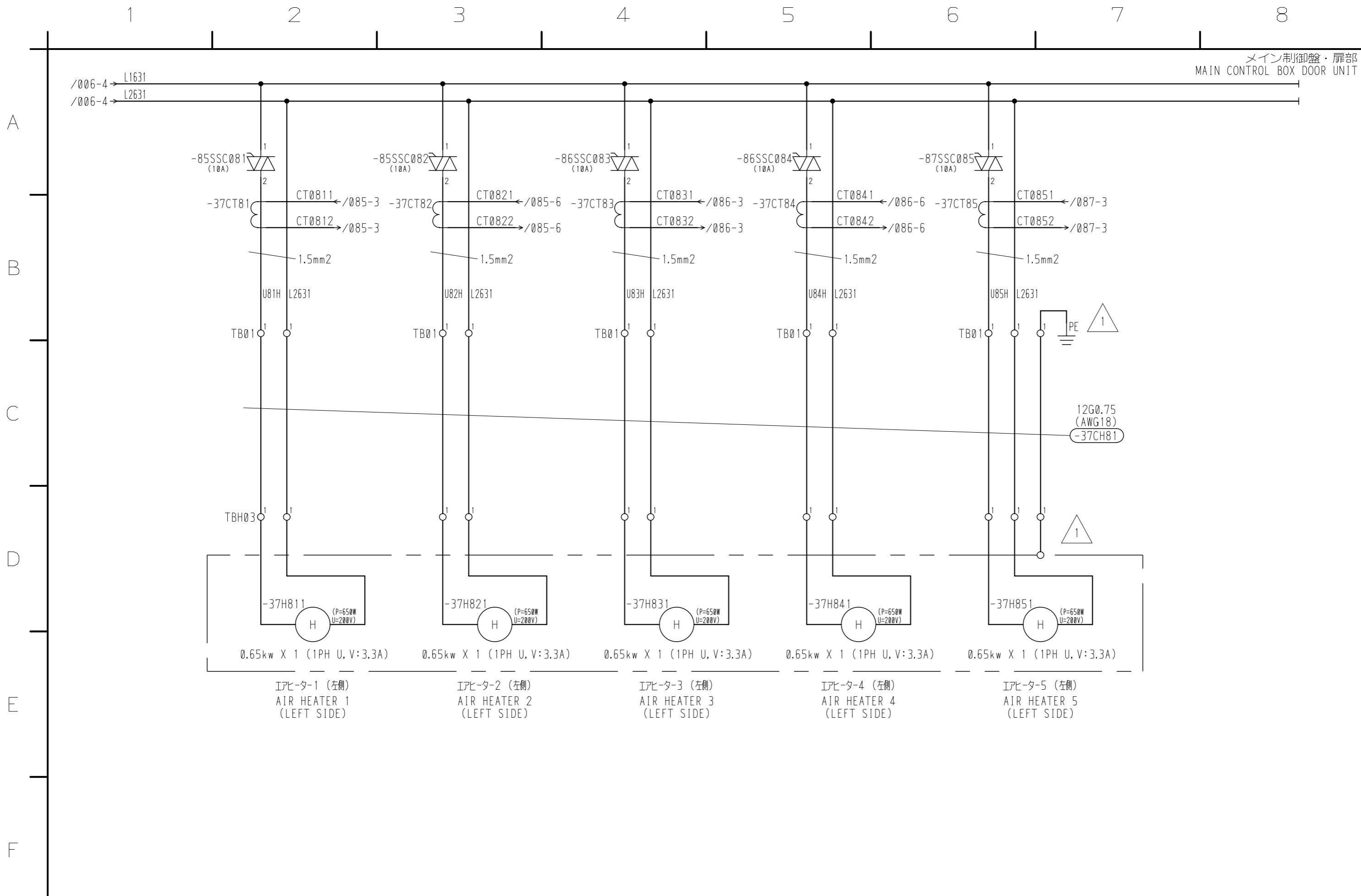


REV.	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW							PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源・動力回路(35/)右エアヒーター POWER SUPPLY & POWER CIRCUIT(35/) RIGHT AIR HEATER	SH. NO.
										DWG. NO	18003587-02-SD	035

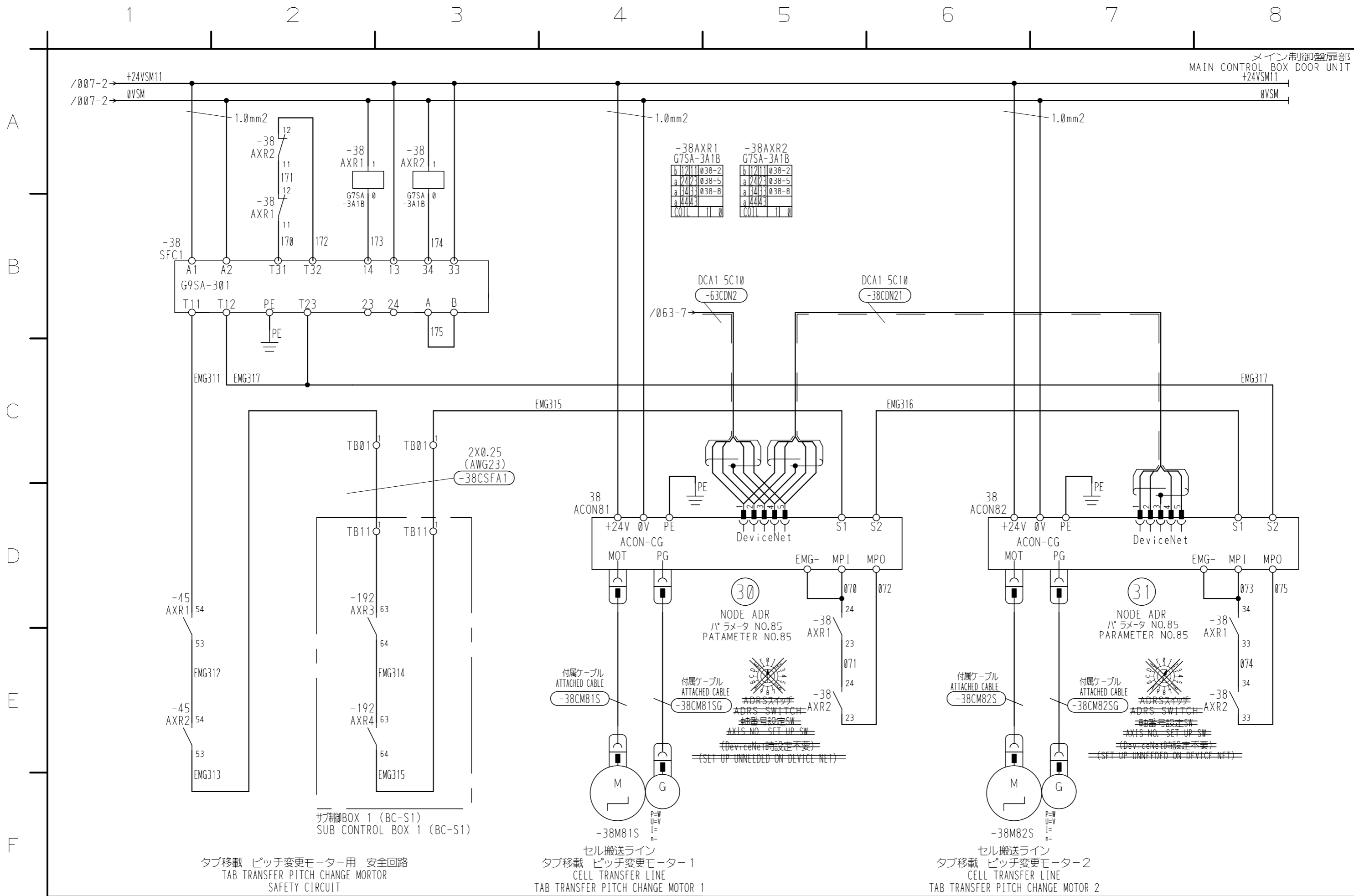
NPC Incorporated



REV.	△	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW							PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源・動力回路(36V)中央エアヒーター POWER SUPPLY & POWER CIRCUIT(36V) CENTER AIR HEATER	SH. NO.
									NPC Incorporated		DWG. NO	18003587-02-SD	036



REV.	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW								PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源・動力回路(37/)左エアヒーター POWER SUPPLY & POWER CIRCUIT(37/) LEFT AIR HEATER	SH. NO.
									NPC Incorporated		DWG. NO	18003587-02-SD	037



サブ制御BOX 1 (BC-S1)
SUB CONTROL BOX 1 (BC-S1)
タブ移載 ピッチ変更モーター用 安全回路
TAB TRANSFER PITCH CHANGE MOTOR
SAFETY CIRCUIT

セル搬送ライン
タブ移載 ピッチ変更モーター 1
CELL TRANSFER LINE
TAB TRANSFER PITCH CHANGE MOTOR 1

セル搬送ライン
タブ移載 ピッチ変更モーター 2
CELL TRANSFER LINE
TAB TRANSFER PITCH CHANGE MOTOR 2

REV.		REV.		PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	電源、動力回路(38/)ステッピングモーター(1/2) POWER SUPPLY & POWER CIRCUIT(38/) STEPPING MOTOR(1/2)	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	038

1 2 3 4 5 6 7 8

メイン制御盤・扉部
MAIN CONTROL BOX DOOR UNIT

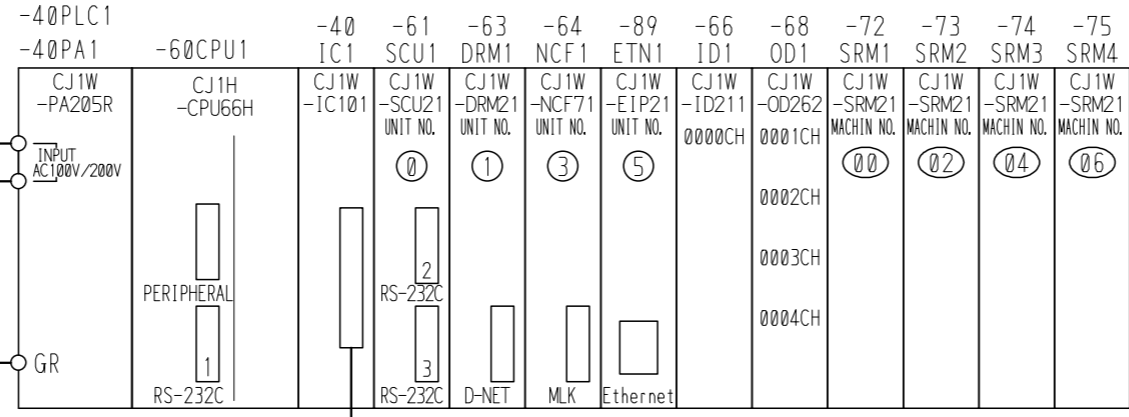
A
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/009-2 L1911
/009-2 L2911
2.5mm²

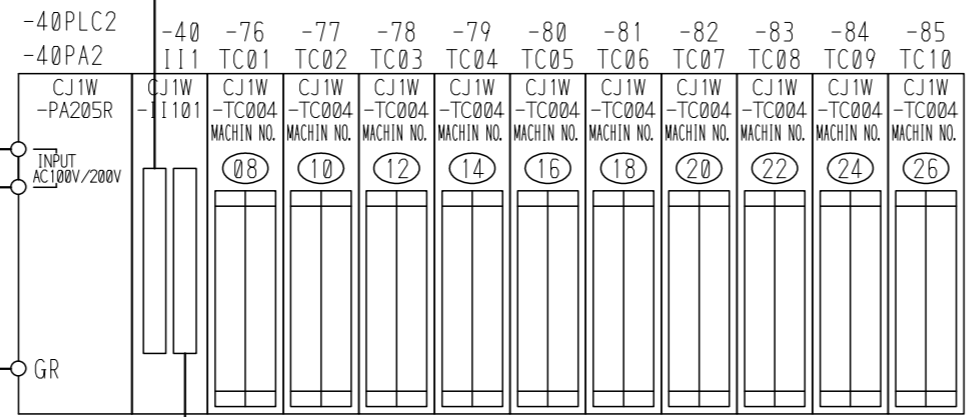
2.5mm²

2.5mm²

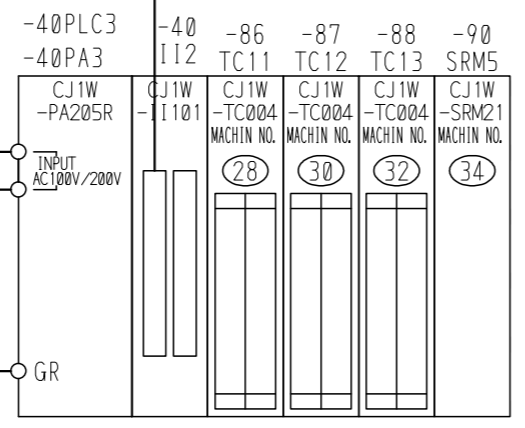
2.5mm²




CS1W-CN323
-40C111



CS1W-CN713
-40C112



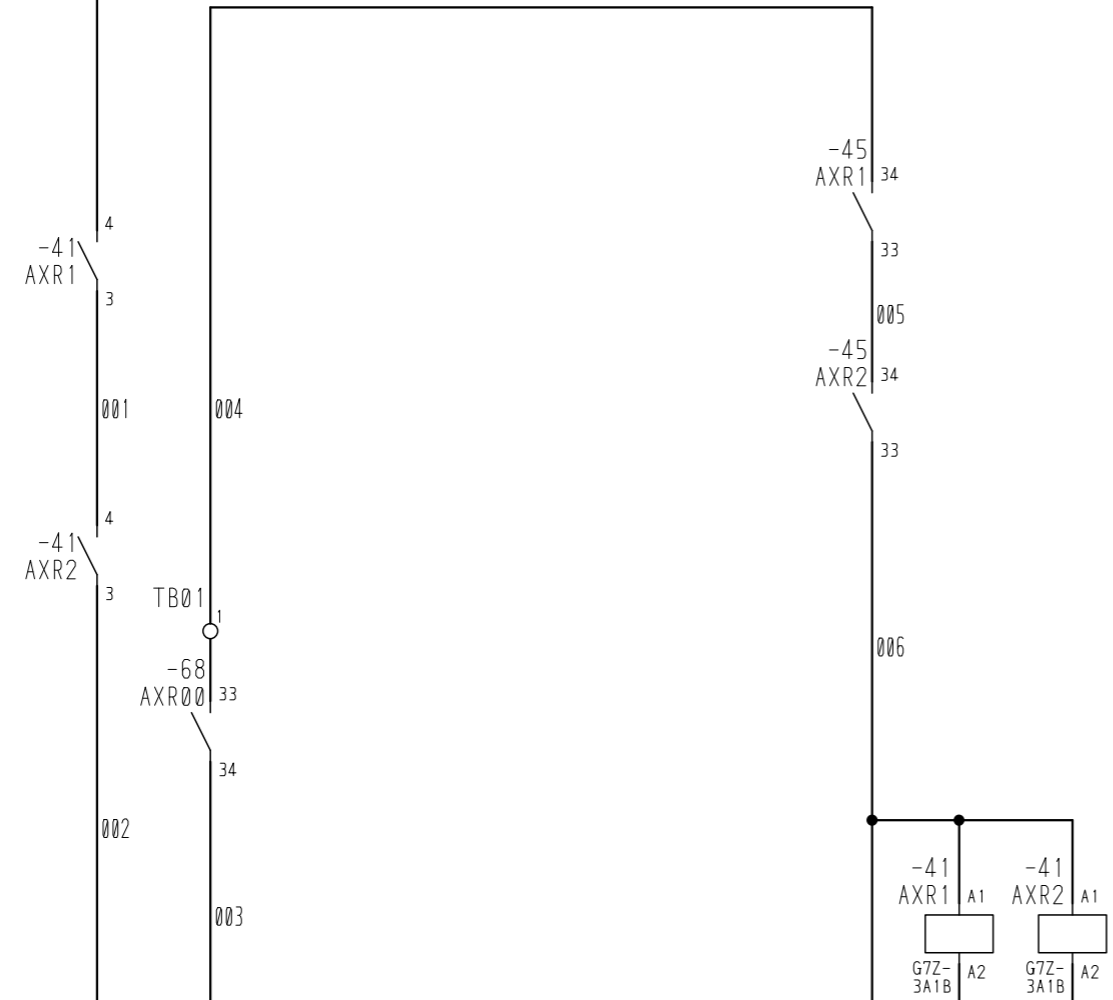
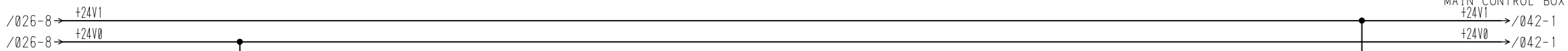
PE

REV.	▲	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW	REV.	▲	PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	電源、動力回路(40V)PLC電源 POWER SUPPLY & POWER CIRCUIT(40V) PLC POWER	SH. NO.
						DWG. NO	18003587-02-SD	040	
					 NPC Incorporated				

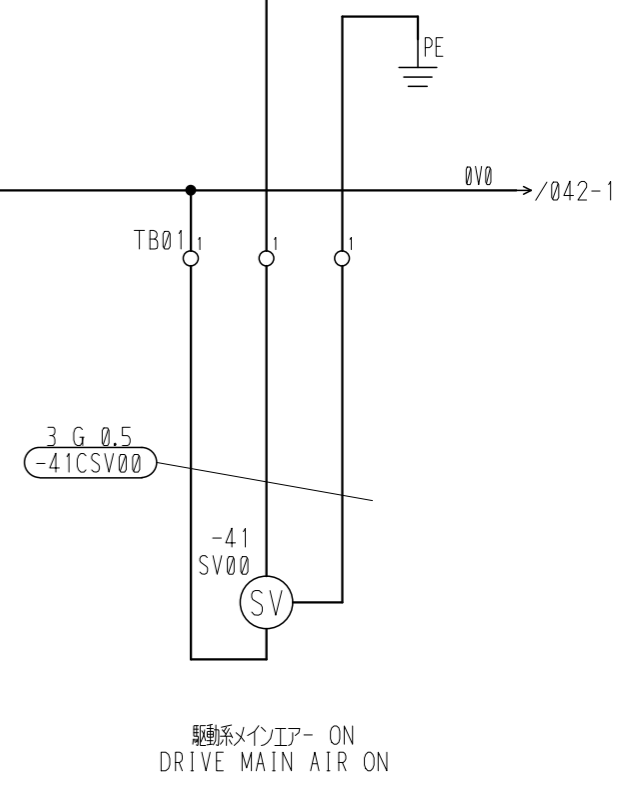
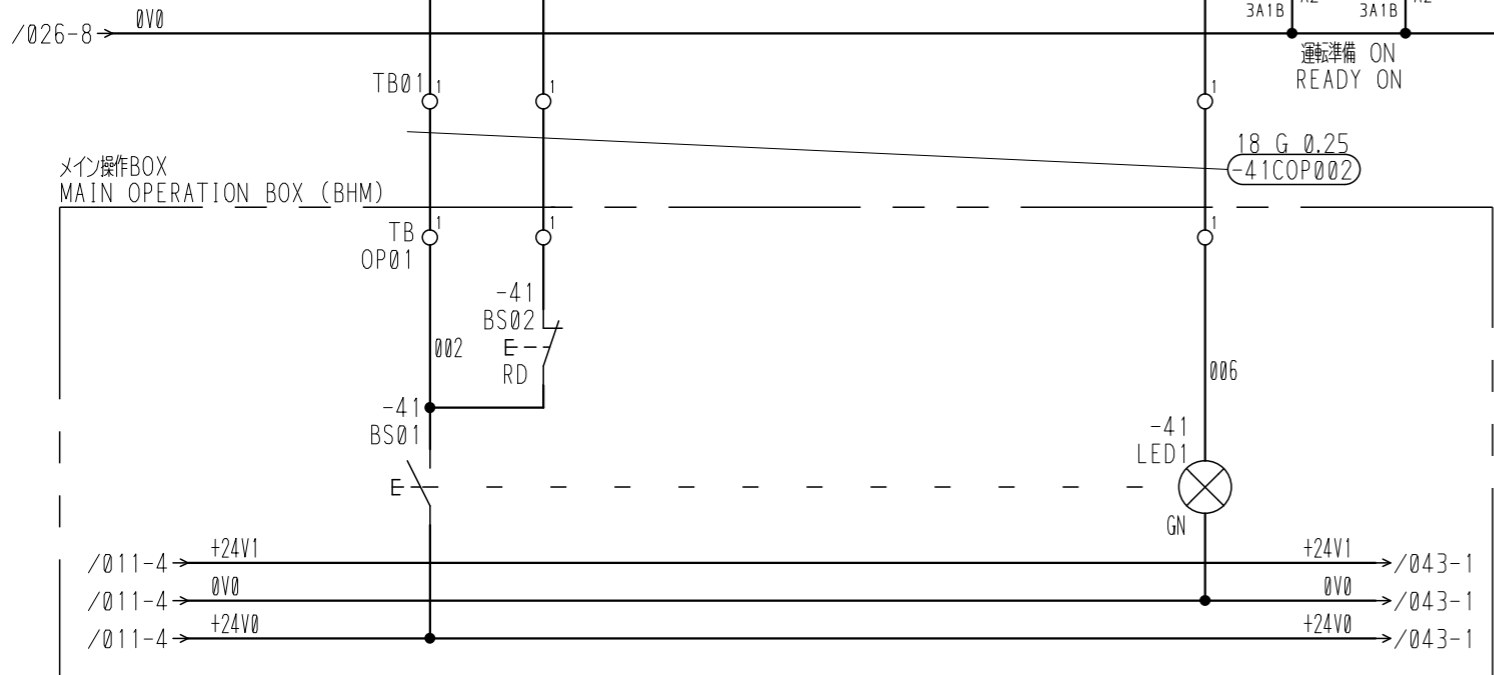
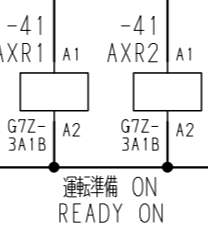
1 2 3 4 5 6 7 8

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メイン制御盤
MAIN CONTROL BOX



-41 AXR1 G7Z-3A1B		-41 AXR2 G7Z-3A1B	
a	2	1	009-5
a	4	3	041-2
a	6	5	066-2
b	2	2	1
COIL	A1	A2	



REV.		REV.		PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(1/2)運転準備回路(1/2) CONTROL CIRCUIT(1/2) READY ON CIRCUIT(1/2)	SH. NO.
						DWG. NO	18003587-02-SD	041

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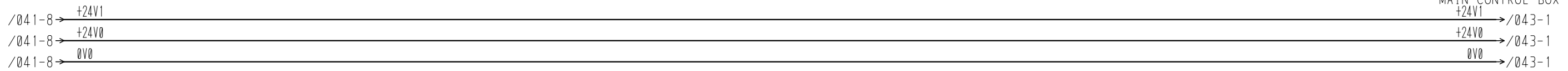
C

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メイン制御盤
MAIN CONTROL BOX

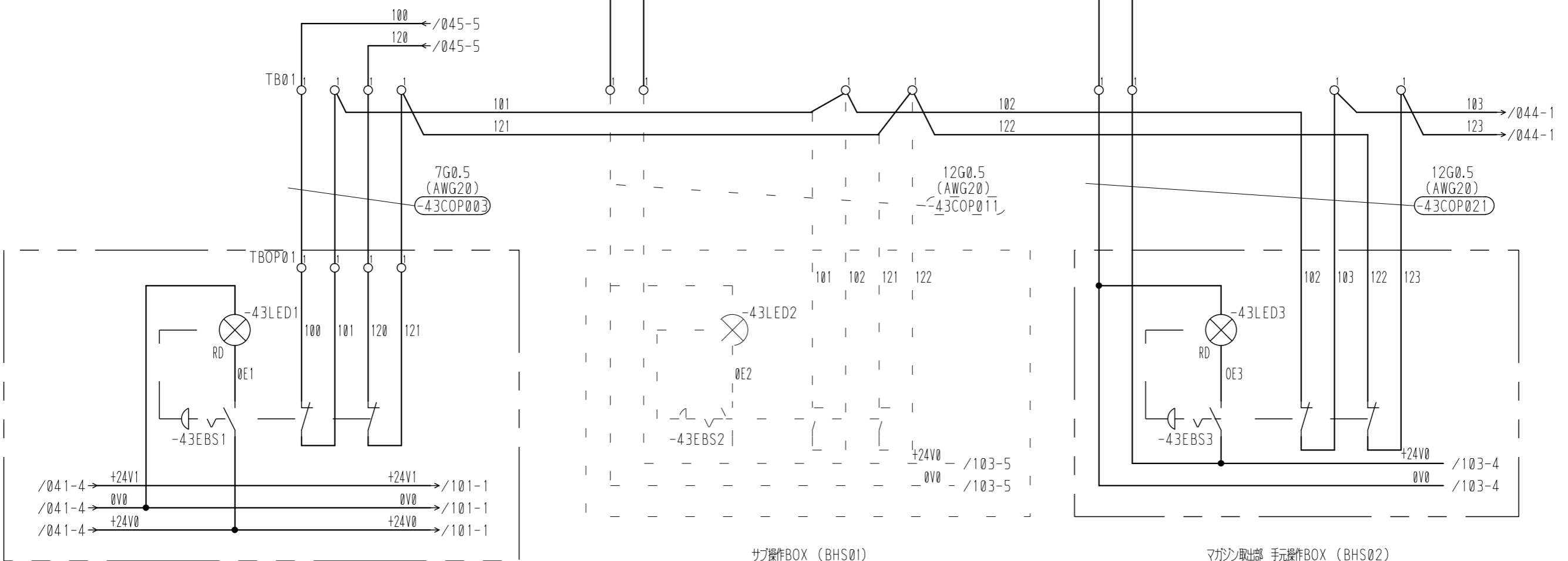
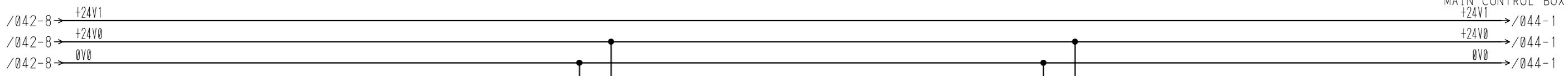


△				△				PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(2/2)運転準備回路(2/2) CONTROL CIRCUIT(2/2) READY ON CIRCUIT(2/2)	SH. NO.
△				△				NPC Incorporated	DWG. NO	18003587-02-SD	042	
REV. △				REV. △								

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メイン制御盤
MAIN CONTROL BOX

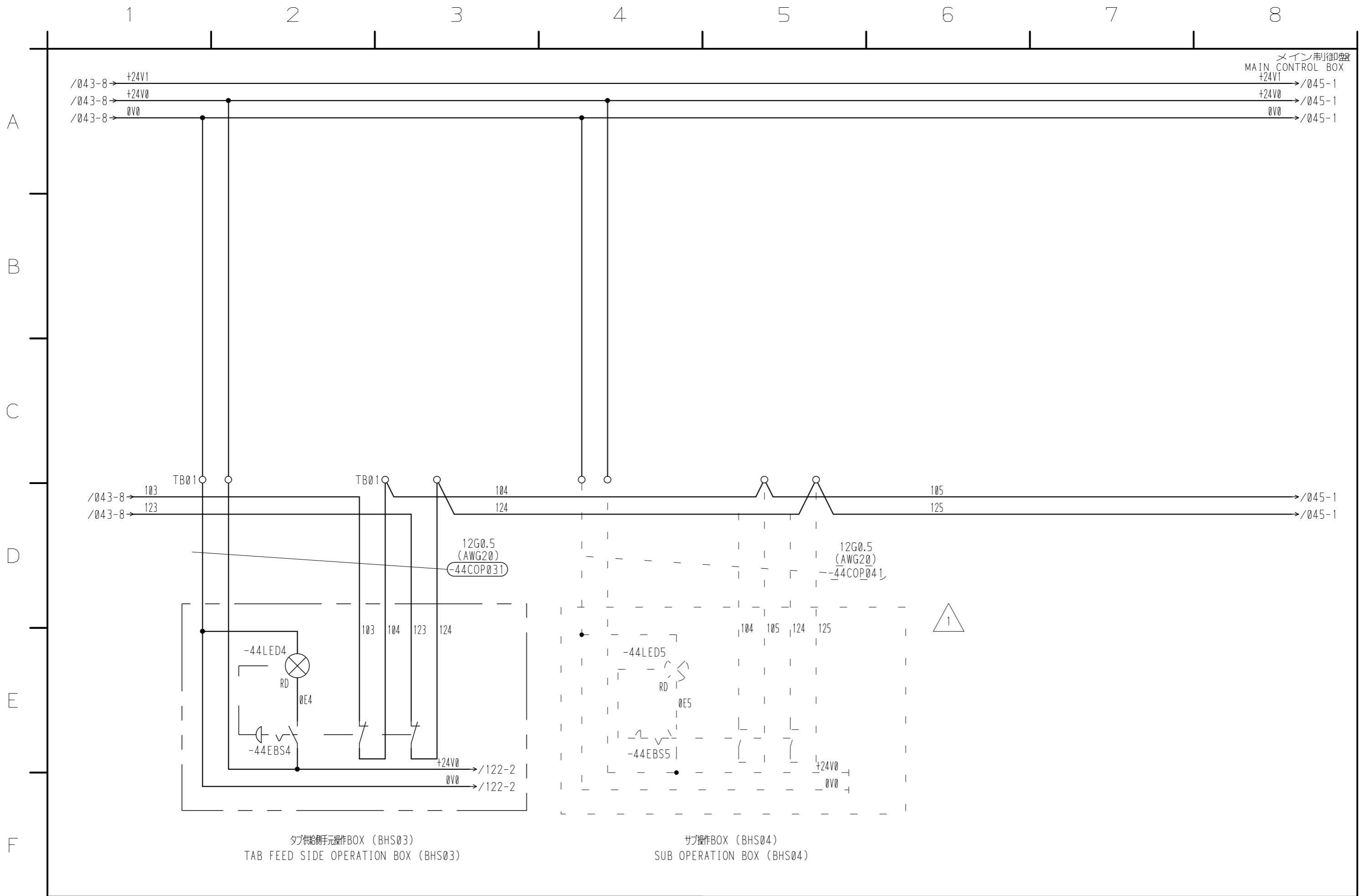


メイン操作BOX (BHM)
MAIN OPERATION BOX (BHM)

サブ操作BOX (BHS01)
SUB OPERATION BOX (BHS01)

マガシ/取出口 手元操作BOX (BHS02)
MAGAZINE DISCHARGE UNIT OPERATION BOX (BHS02)

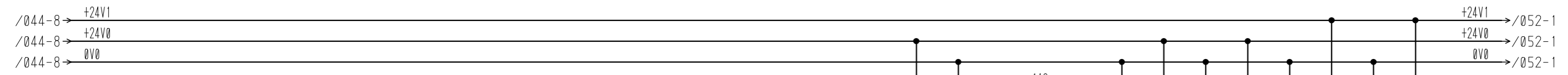
REV.						PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	制御回路(3/)/非常停止回路(1/2) CONTROL CIRCUIT(3/) EMERGENCY STOP CIRCUIT(1/2)	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	043



REV.	▲	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW	▲	REV.	▲	PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(4/)非常停止回路(2/2) CONTROL CIRCUIT(4/) EMERGENCY STOP CIRCUIT(2/2)	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	044

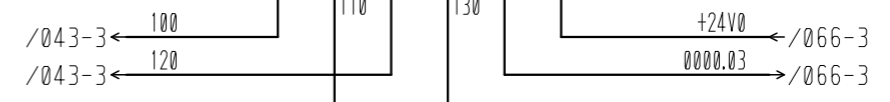
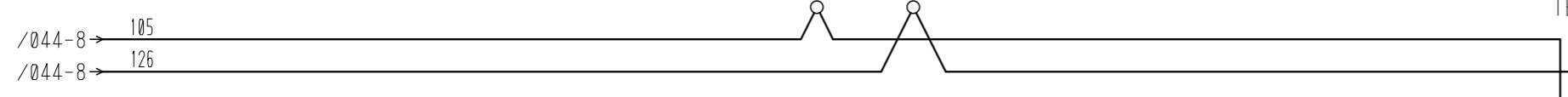
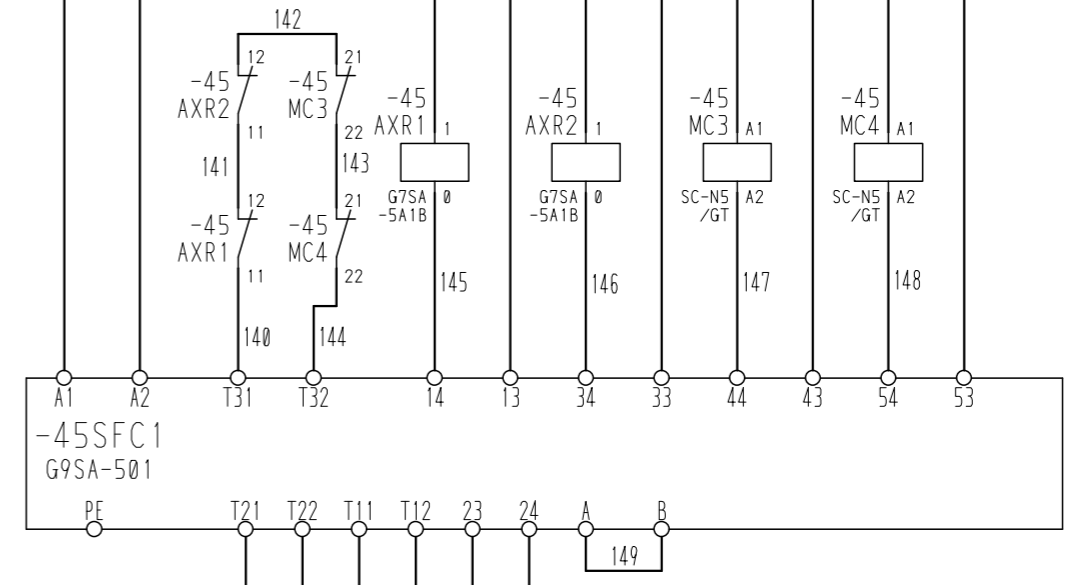
1 2 3 4 5 6 7 8

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-45AXR1 G7SA-5A1B		-45AXR2 G7SA-5A1B	
a	5453 038-1	a	5453 038-1
a	3433 041-4	a	3433 041-4
b	1211 045-6	b	1211 045-6
a	6463 051-1	a	6463 051-2
a	4443 050-1	a	4443 050-2
a	2423	a	2423
COIL	11 0	COIL	11 0

-45MC3 SC-N5/GT		-45MC4 SC-N5/GT	
1	2	1	2
MC	3 4 001-4	MC	3 4 001-4
5	6	5	6
a	1314	a	1314
a	4344	a	4344
b	2122 045-6	b	2122 045-6
b	3132	b	3132
COIL	A1 A2	COIL	A1 A2



REFER TO
SD-050

REV.						PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(5/)予備図 CONTROL CIRCUIT(5/). SPARE	SH. NO.
								DWG. NO	18003587-02-SD	045

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T&S装置 No.1用
FOR TABBING & STRINGING MACHINE No.1

REFER TO
SD-045

107
127

REFER TO
SD-045

106
126



REFER TO
SD-215

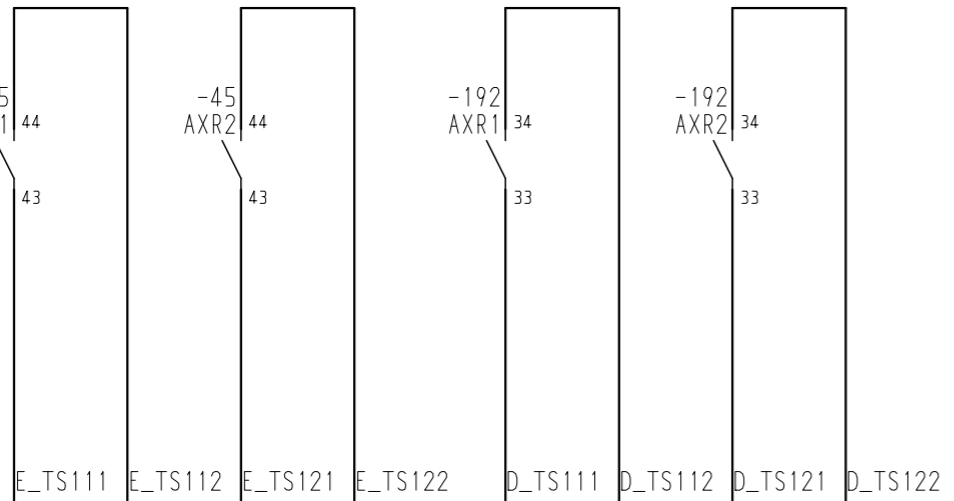
-192CIF2

700

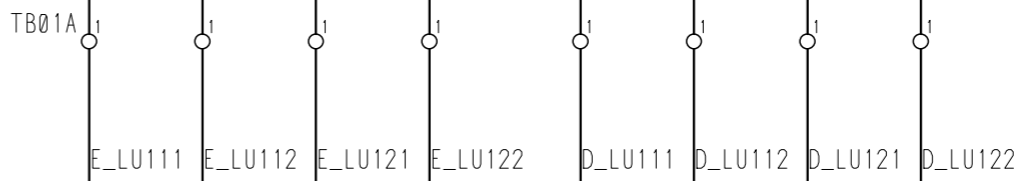
710

701

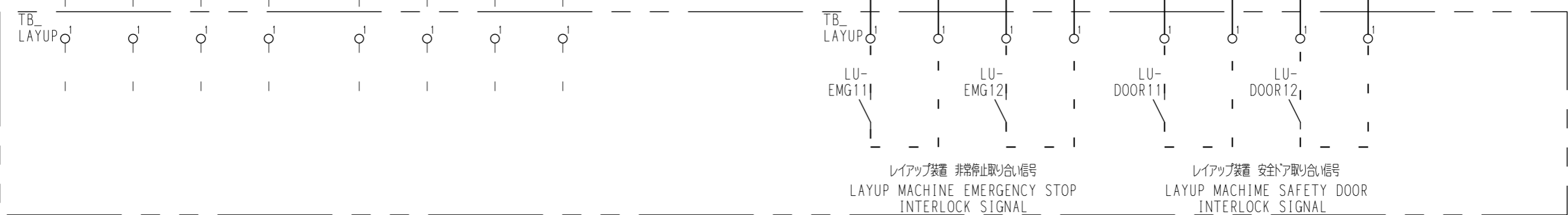
711



TB11
12G0.5
(AWG20)
-192CIF3



25 X 0.25
TS1-CIF01



レイアップ装置 非常停止取り合い信号
LAYUP MACHINE EMERGENCY STOP
INTERLOCK SIGNAL

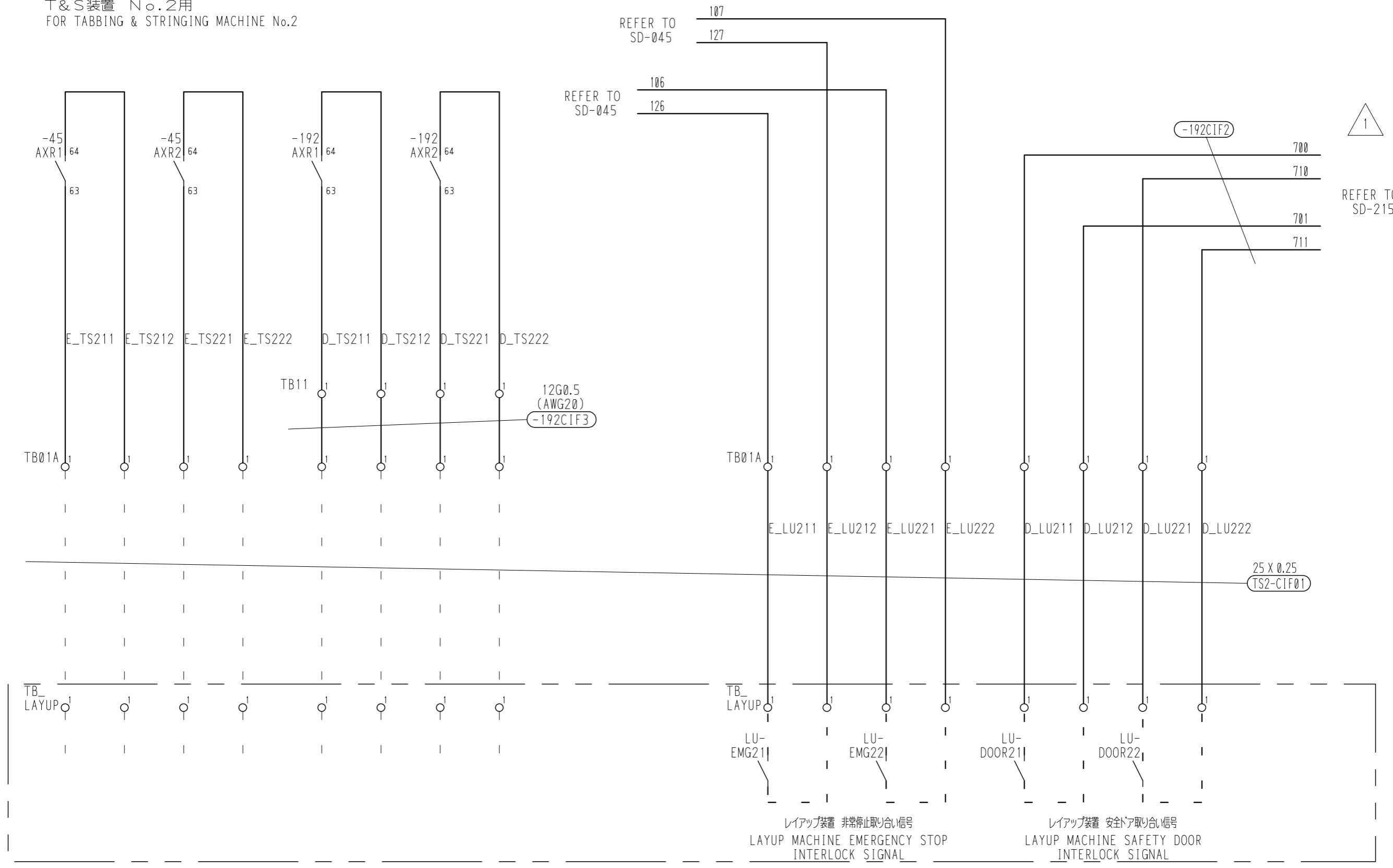
レイアップ装置 安全ドア取り合い信号
LAYUP MACHINE SAFETY DOOR
INTERLOCK SIGNAL

レイアップ 装置へ
TO LAYUP MACHINE

REV.	△	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW	△	△	△	△	△	PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(10/)予備図 CONTROL CIRCUIT(10/). SPARE	SH. NO.
								NPC	NPC Incorporated	DWG. NO	18003587-02-SD	050

T&S装置 No.2用
FOR TABBING & STRINGING MACHINE No.2

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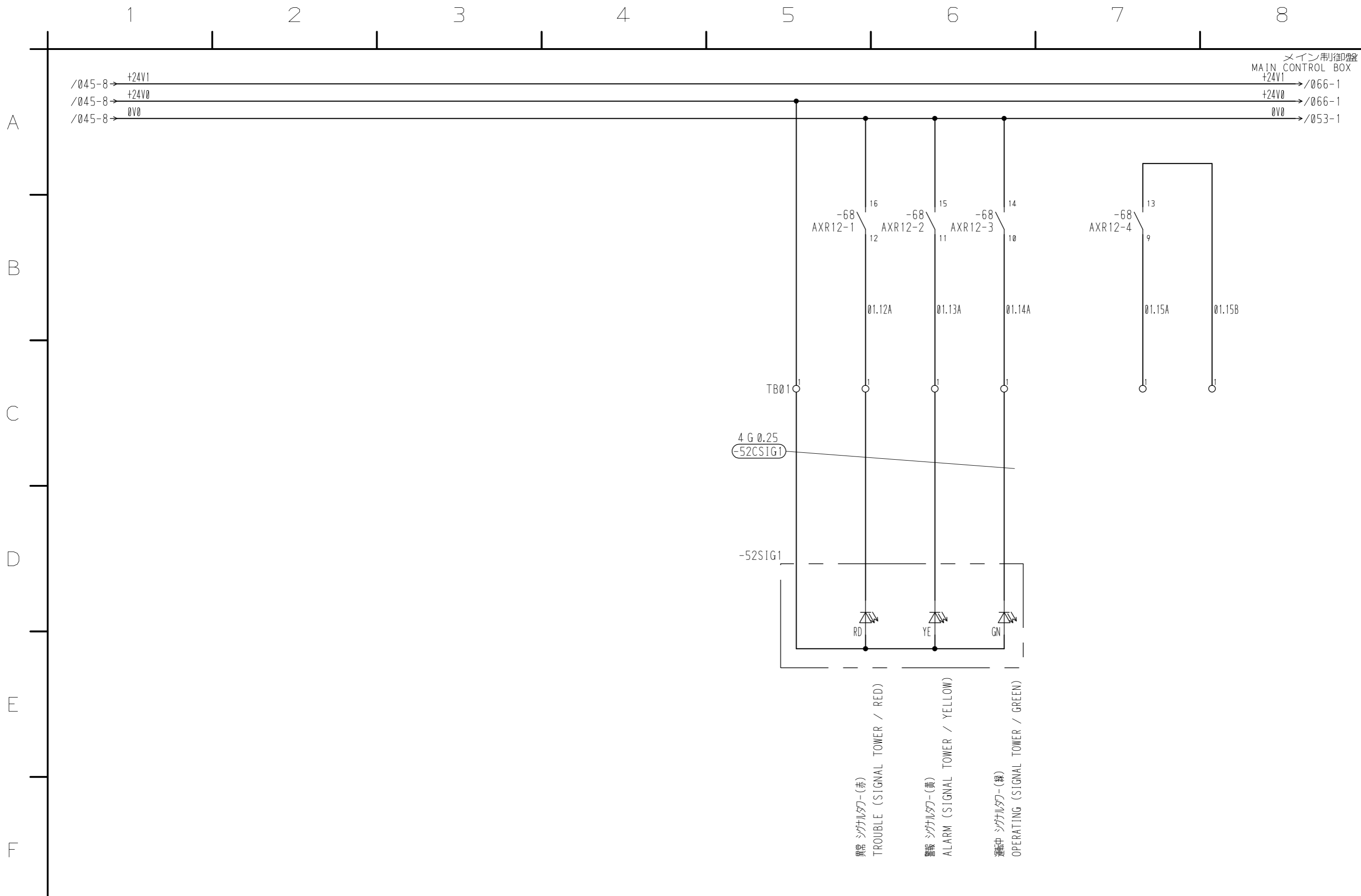


レイアップ 装置へ
TO LAYUP MACHINE

レイアップ装置 非常停止取り合い信号
LAYUP MACHINE EMERGENCY STOP
INTERLOCK SIGNAL

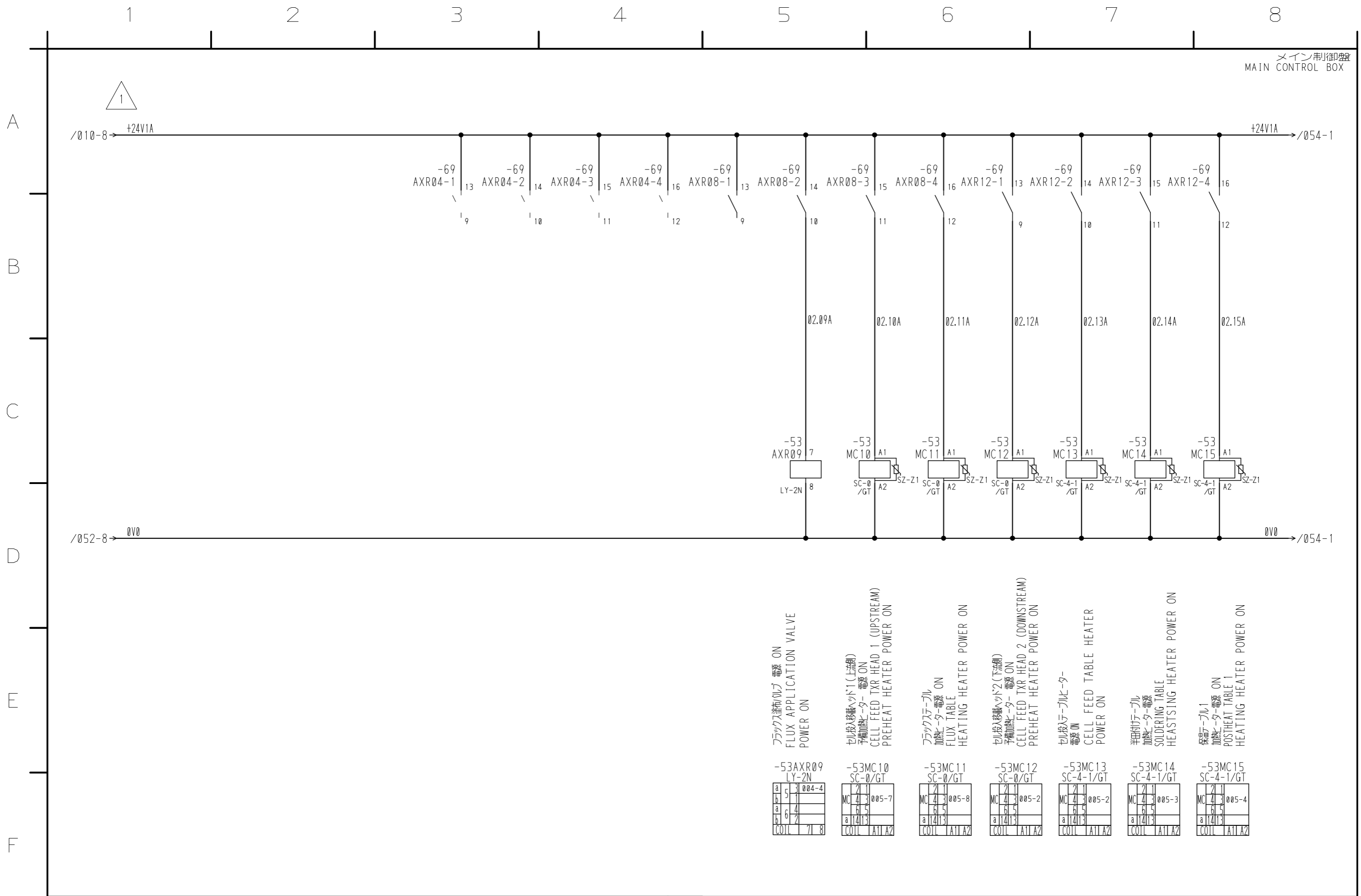
レイアップ装置 安全ドア取り合い信号
LAYUP MACHINE SAFETY DOOR
INTERLOCK SIGNAL

△	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW		△		PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(11/)予備図 CONTROL CIRCUIT(11/). SPARE	SH. NO.
△			△		NPC Incorporated	DWG. NO	18003587-02-SD	051	
REV. △			REV. △						



PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	制御回路(12/)シグナルタワー回路 CONTROL CIRCUIT(12/). SIGNAL TOWER CIRCUIT	SH. NO.
		DWG. NO	18003587-02-SD	052

REV.		REV.	
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- フラックス塗布バルブ電源 ON
FLUX APPLICATION VALVE POWER ON

-53AXR09 LY-2N

a	5	3	004-4
b	1		
a	6	4	
b	7		
COLL	1	7	8
- セル投入移動ヘッド1(上流側)予備加熱ヒーター電源 ON
CELL FEED TXR HEAD 1 (UPSTREAM) PREHEAT HEATER POWER ON

-53MC10 SC-0/GT

MC	4	3	005-7
a	14	13	
COLL	1	A1	A2
- フラックステーブル加熱ヒーター電源 ON
FLUX TABLE HEATING HEATER POWER ON

-53MC11 SC-0/GT

MC	4	3	005-8
a	14	13	
COLL	1	A1	A2
- セル投入移動ヘッド2(下流側)予備加熱ヒーター電源 ON
CELL FEED TXR HEAD 2 (DOWNSTREAM) PREHEAT HEATER POWER ON

-53MC12 SC-0/GT

MC	4	3	005-2
a	14	13	
COLL	1	A1	A2
- セル投入テーブル加熱ヒーター電源 ON
CELL FEED TABLE HEATER POWER ON

-53MC13 SC-4-1/GT

MC	4	3	005-2
a	14	13	
COLL	1	A1	A2
- 半田付テーブル加熱ヒーター電源 ON
SOLDERING TABLE HEATING HEATER POWER ON

-53MC14 SC-4-1/GT

MC	4	3	005-3
a	14	13	
COLL	1	A1	A2
- 保温テーブル1加熱ヒーター電源 ON
POSTHEAT TABLE 1 HEATING HEATER POWER ON

-53MC15 SC-4-1/GT

MC	4	3	005-4
a	14	13	
COLL	1	A1	A2

REV.	1	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW					PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(13/)制御電源回路(1/2). CONTROL CIRCUIT(13/). CONTROL POWER CIRCUIT(1/2)	SH. NO.
							NPC Incorporated		DWG. NO	18003587-02-SD	053

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メイン制御盤
MAIN CONTROL BOX

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保溫ダブルヒータ-電源 ON
 POSTHEAT TABLE 2
 HEATER POWER ON
 ヒータ-1(右側)電源 ON
 AIR HEATER 1 (RIGHT)
 POWER ON
 ヒータ-2(中央)電源 ON
 AIR HEATER 2 (CENTER)
 POWER ON
 ヒータ-3(左側)電源 ON
 AIR HEATER 3 (LEFT)
 POWER ON

-54MC00 SC-4-1/GT	-54MC01 SC-4-1/GT	-54MC02 SC-4-1/GT	-54MC03 SC-4-1/GT
2 1 MC 4 3 005-6 6 5 a 14 13 COIL 1A1A2	2 1 MC 4 3 006-2 6 5 a 14 13 COIL 1A1A2	2 1 MC 4 3 006-3 6 5 a 14 13 COIL 1A1A2	2 1 MC 4 3 006-4 6 5 a 14 13 COIL 1A1A2

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△	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW				PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(14/)制御電源回路(2/2). CONTROL CIRCUIT(14/). CONTROL POWER CIRCUIT(2/2)	SH. NO.
△									
REV. △							DWG. NO	18003587-02-SD	054

NPC Incorporated

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									PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(15/)予備図 CONTROL CIRCUIT(15/). SPARE	SH. NO.
									 NPC Incorporated	DWG. NO	18003587-02-SD	055	
REV.				REV.									

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									PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(16/)予備図 CONTROL CIRCUIT(16/). SPARE	SH. NO.
									 NPC Incorporated	DWG. NO	18003587-02-SD	056	
REV.				REV.									

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△				△				PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(17/)予備図 CONTROL CIRCUIT(17/). SPARE	SH. NO.
△				△				 NPC Incorporated	DWG. NO	18003587-02-SD	057	
REV.	△			REV.	△							

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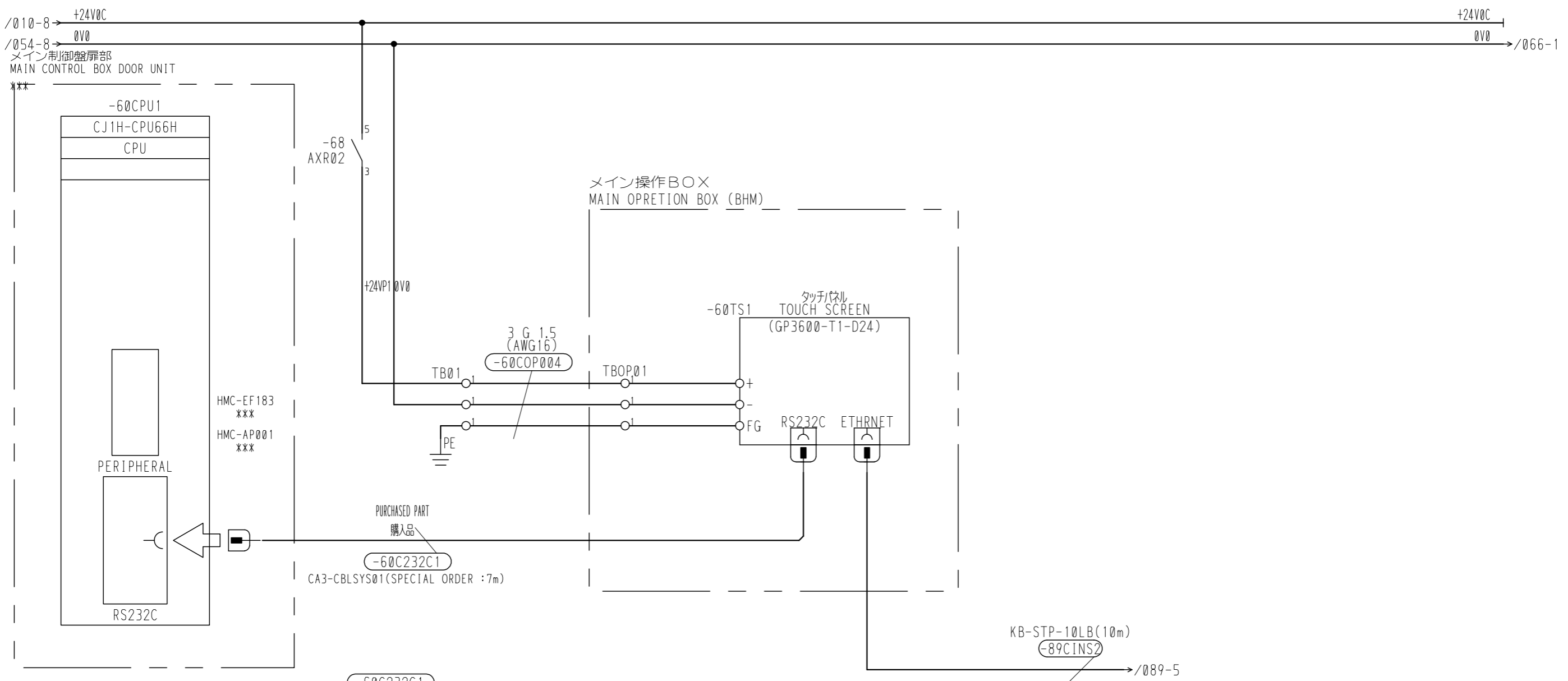
F

△				△				PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	制御回路(18/)予備図 CONTROL CIRCUIT(18/). SPARE	SH. NO.
△				△				 NPC Incorporated	DWG. NO	18003587-02-SD	058	
REV.	△			REV.	△							

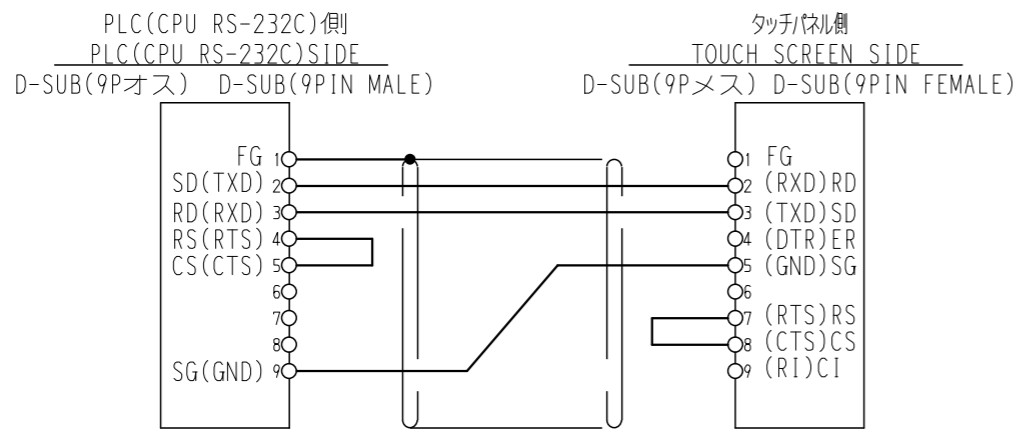
1 2 3 4 5 6 7 8

メイン制御盤
MAIN CONTROL BOX

A
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-60C232C1
RS-232C ケーブル詳細
RS-232C Cable Detail

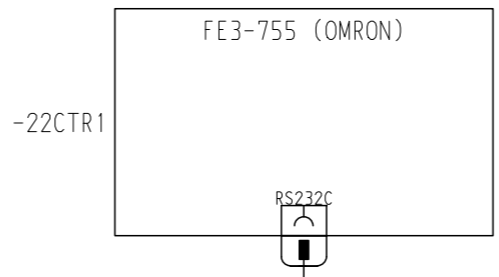
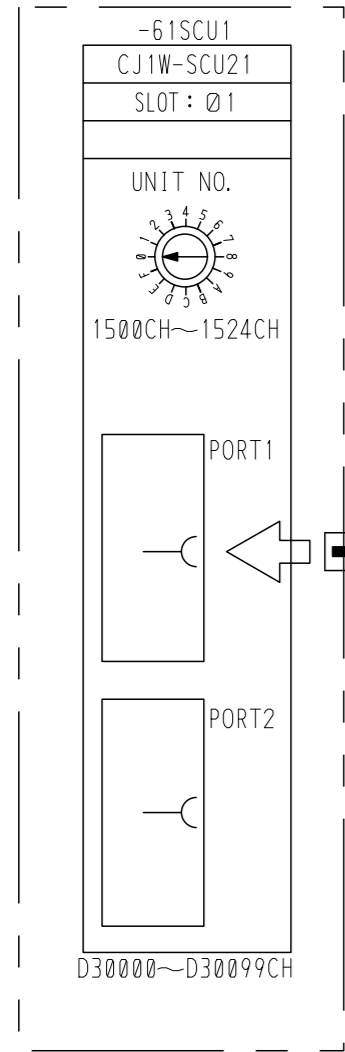


REV.		REV.	PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(1/) CPU PLC INPUT&OUTPUT CIRCUIT(1/) PLC	SH. NO.
			NPC Incorporated		DWG. NO	18003587-02-SD	060

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1 2 3 4 5 6 7 8

メイン制御盤扉部
MAIN CONTROL BOX DOOR UNIT



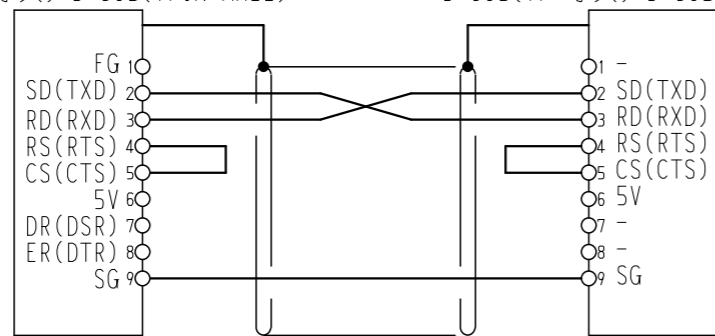
XW2Z-500T
-61C232C2

-61C232C2

RS-232C ケーブル詳細
RS-232C Cable Detail

PLC コミュニケーションボード側
PLC COMMUNICATION BOARD SIDE
D-SUB(9P オス) D-SUB(9PIN MALE)

OMRON コントローラ側
OMRON CONTLLER SIDE
D-SUB(9P オス) D-SUB(9PIN MALE)



REV.						PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(2/)SCU21. PLC INPUT OUTPUT CIRCUIT(2/). SCU21	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	061

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△				△				PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入力回路(3/)予備 PLC INPUT OUTPUT CIRCUIT(3/). SPARE	SH. NO.
△				△				 NPC Incorporated	DWG. NO	18003587-02-SD	062	
REV. △				REV. △								

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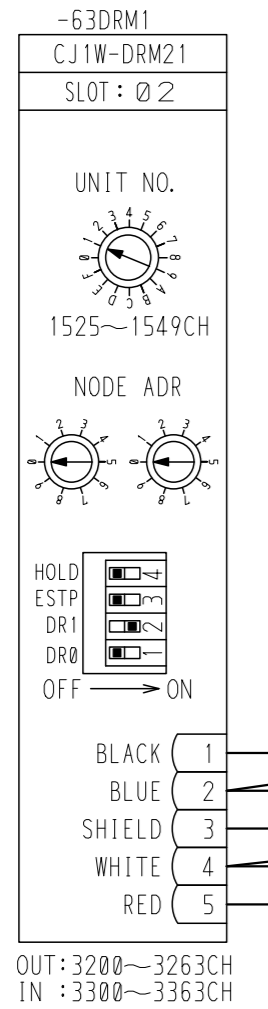
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メイン制御盤扉部
MAIN CONTROL BOX DOOR UNIT

メイン制御盤・扉部
MAIN CONTROL BOX DOOR UNIT



終端抵抗
TERMINATION RESISTANCE
DRS1-T -63R0

DCA1-5C10
(-63CDN0)

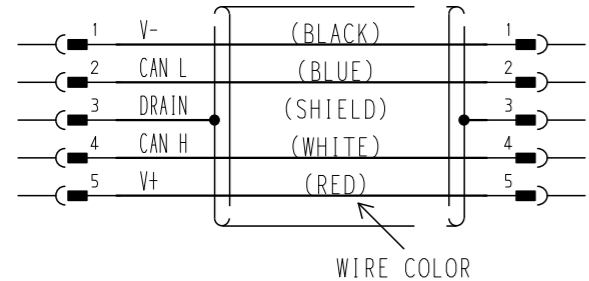
-63DCN1
DCN1-3NC

DCA1-5C10
(-63CDN3)

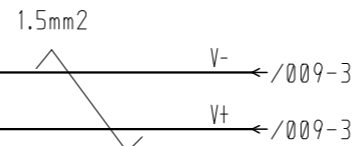
DCA1-5C10
(-63CDN2)

最終ノードが6m
以内で収める事
The last node
must put in within 6m.

Device Net ケーブル詳細
Device Net Cable Detail



終端抵抗 OFF
TERMINATION RESISTANCE OFF



PRODUCT NO.

メイン制御BOX(BC-M)
MAIN CONTROL BOX(BC-M)

TITLE

PLC入出力回路(4/)DRM21.
PLC INPUT OUTPUT CIRCUIT(4/).
DRM21

SH. NO.

REV.

REV.



NPC Incorporated

DWG. NO

18003587-02-SD

063

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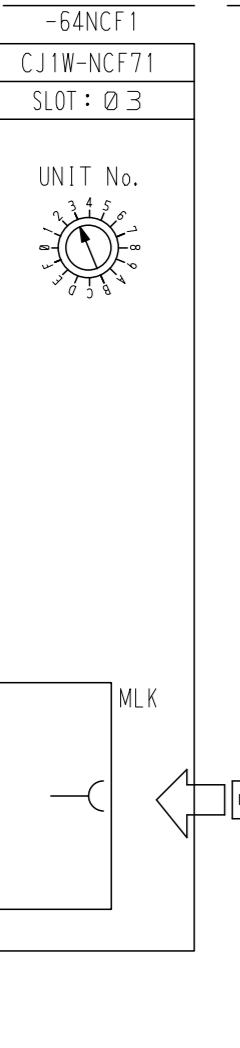
6

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メイン制御盤扉部
MAIN CONTROL BOX DOOR UNIT

メイン制御盤扉部
MAIN CONTROL BOX DOOR UNIT



制御軸 CONTROL AXIS			制御軸 CONTROL AXIS		
1	セル取出移載サーボ CELL PICKUP SERVO	200W	9	タブ横移載サーボ TAB TRANSFER SERVO	200W
2	セル位置決めテーブル X軸サーボ ALIGNMENT TABLE AXIS X SERVO	200W	10	右ホットエアサーボ RIGHT HOT AIR SERVO	105W
3	セル位置決めテーブル Y軸サーボ ALIGNMENT TABLE AXIS Y SERVO	105W	11	中央ホットエアサーボ CENTER HOT AIR SERVO	105W
4	セル位置決めテーブル θ軸サーボ ALIGNMENT TABLE AXIS θ SERVO	50W	12	左ホットエアサーボ LEFT HOT AIR SERVO	105W
5	NG選別移載サーボ NG SORT TRANSFER SERVO	200W	13	ストリングセル搬送コンベヤサーボ STRING CONVEYOR SERVO	750W
6	フラックス塗布移載サーボ FLUX APPL. TRANSFER SERVO	200W	14		
7	セル投入移載サーボ電源 CELL FEED TRANSFER SERVO POWER	200W	15		
8	タブ供給サーボ TAB FEED SERVO	400W	16		

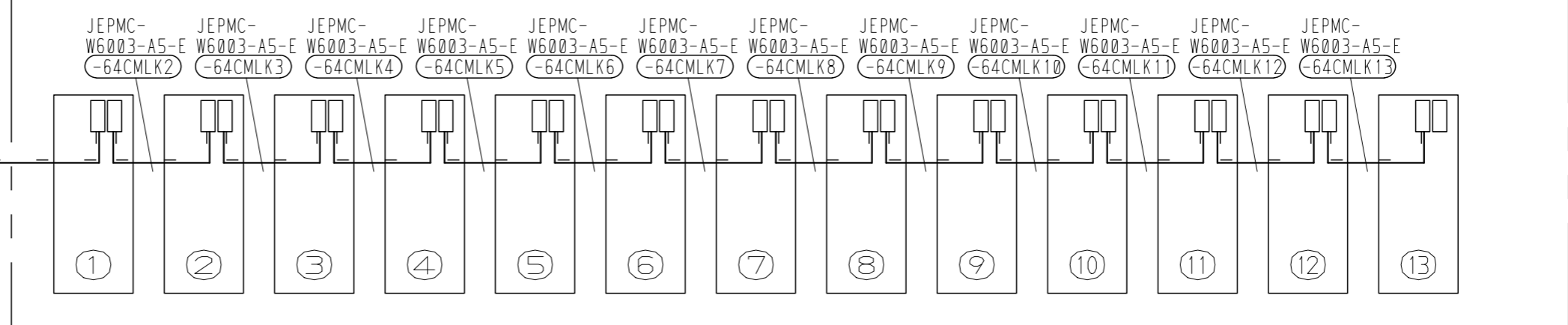
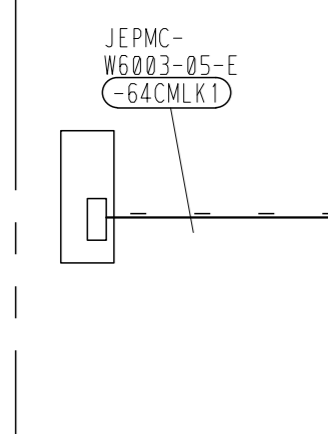
JEPMC-W6003-05-E
-64CMLK1

サブ制御BOX (BC-S1)
SUB CONTROL BOX (BC-S1)

/167-3

メイン制御BOX (BC-M)
MAIN CONTROL BOX (BC-M)

サブ制御BOX (BC-S1)
SUB CONTROL BOX (BC-S1)



PRODUCT NO.

メイン制御BOX (BC-M)
MAIN CONTROL BOX (BC-M)

TITLE

PLC入出力回路(4/)DRM21.
PLC INPUT OUTPUT CIRCUIT(4/).
DRM21

SH. NO.

REV.

REV.



NPC Incorporated

DWG. NO

18003587-02-SD

064

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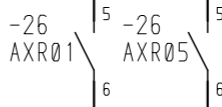
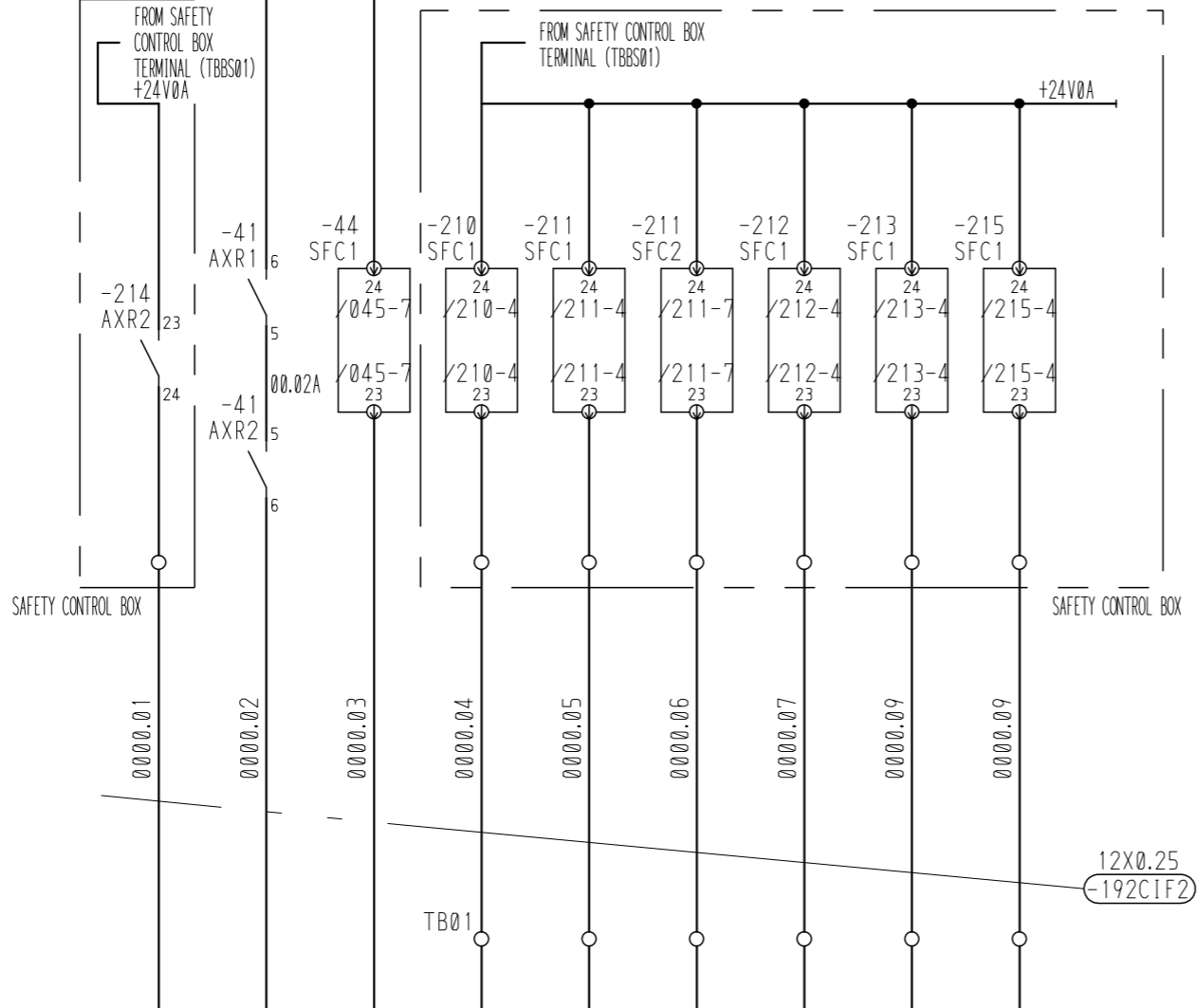
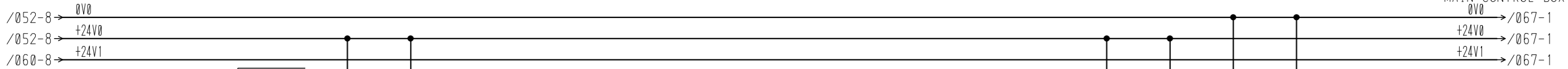
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メイン制御盤
MAIN CONTROL BOX



DIGITAL INPUT UNIT	RACK POS.05	ADDRESS	PIN
CJ1W-ID211	TB		
		A0	0000.00
ドアスイッチリセット		B0	0000.01
DOOR SWITCH RESET		A1	0000.02
運転準備 ON		B1	0000.03
READY ON		A2	0000.04
非常止		B2	0000.05
EMERGENCY STOP		A3	0000.06
ドアスイッチ1-1~2 (マガジンの投入側)		B3	0000.07
DOOR SWITCH SENSOR 1-1~2 (MAGAZINE CONVEYOR SIDE)		A4	0000.08
ドアスイッチ2-1 (マガジンの投入側)		B4	0000.09
DOOR SWITCH SENSOR 2-1 (LOADED MAGAZINE LOADING SIDE)		A5	0000.10
ドアスイッチ3-1 (空マガジンの投入側)		B5	0000.11
DOOR SWITCH SENSOR 3-1 (EMPTY MAGAZINE PICKUP SIDE)		A6	0000.12
ドアスイッチ4-1~3 (操作側)		B6	0000.13
DOOR SWITCH SENSOR 4-1~3 (OPERATION PANEL SIDE)		A7	0000.14
ドアスイッチ5-1~4 (反対側)		B7	0000.15
DOOR SWITCH SENSOR 5-1~4 (OPPOSITE TO OPERATION PANEL)		COM	COM
レイアウト1 ドアスイッチ ***		COM	COM
LAYOUT 1 DOOR SWITCH SENSOR ***			
上フック 塗布中 ***			
FACE FLUX APPLYING ***			
下フック 塗布中 ***			
BACK FLUX APPLYING ***			

PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(6/)ID232(1/2). PLC INPUT OUTPUT CIRCUIT(6/). ID232(1/2)	SH. NO.	
REV.		DWG. NO	18003587-02-SD		066



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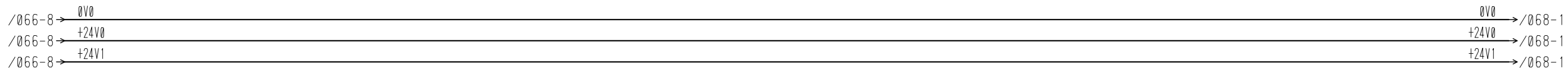
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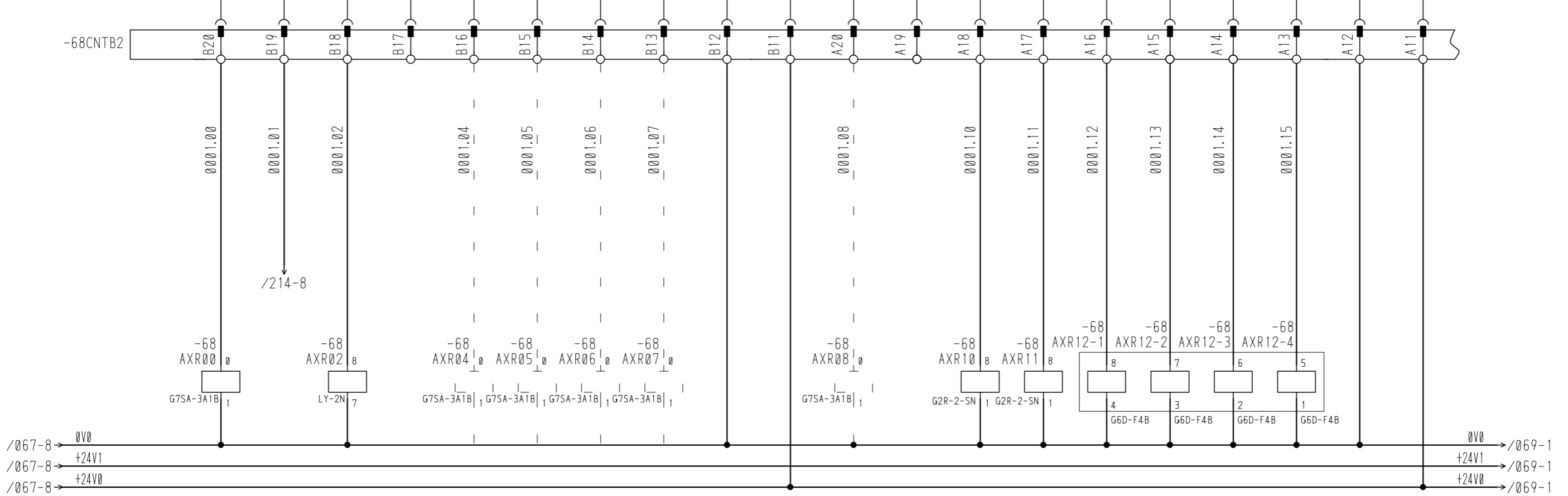
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△				△				PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(7/)ID232(2/2). PLC INPUT OUTPUT CIRCUIT(7/). ID232(2/2)	SH. NO.
△				△				NPC Incorporated	DWG. NO	18003587-02-SD	067	
REV. △				REV. △								

RACK POS. 06 DIGITAL OUTPUT UNIT	
CN1 (1/2)	CJ1W-OD262
PIN ADDRESS	COMMENT
40	0001.00 運轉準備条件 READY OFF CONDITION
38	0001.01 ドアリセット LED DOOR SWITCH RESET LED
36	0001.02 タッチパネル 電源ON TOUCH SCREEN POWER ON
34	0001.03
32	0001.04 ドアスイッチ1-1~2 無効 (マガジンコンベヤ側) DOOR SWITCH SENSOR 1-1~2 DISABLE (MAGAZINE CONVEYOR)
30	0001.05 ドアスイッチ2-1 無効 (実マガジン投入側) DOOR SWITCH SENSOR 2-1 DISABLE (MAGAZINE FEED)
28	0001.06 ドアスイッチ3-1 無効 (空マガジン投入側) DOOR SWITCH SENSOR 3-1 DISABLE (MAGAZINE PICKUP)
26	0001.07 ドアスイッチ4-1~3 無効 (操作パネル側) DOOR SWITCH SENSOR 4-1~3 DISABLE (OPERATION PANEL)
24	0V
22	COM0(+V)
39	0001.08 ドアスイッチ5-1~4 無効 (反対側) DOOR SWITCH SENSOR 5-1~4 DISABLE (OPPOSITE TO OPERATION PANEL)
37	0001.09
35	0001.10 位置検出用LED ON ALIGNMENT LED ON
33	0001.11 バスバリアライズ時LED ON BUS BAR ALIGNMENT LED ON
31	0001.12 異常シグナルタワ- (赤) TROUBLE (SIGNAL TOWER/RED)
29	0001.13 警報シグナルタワ- (黄) ALARM (SIGNAL TOWER/YELLOW)
27	0001.14 運転中 シグナルタワ- (緑) OPERATING (SIGNAL TOWER/GREEN)
25	0001.15 予備線 SPARE
23	0V
21	COM0(+V)



-68AXR00
G7SA-3A1B

a	3	3	041-2
b	1	1	1
a	2	3	2
a	4	3	4
COIL	1	1	0

-68AXR02
LY-2N

a	5	3	060-2
b	1	1	1
a	6	4	1
b	2	2	1
COIL	1	7	8

-68AXR10
G2R-2-SN

a	3	4	022-8
b	2	2	1
a	6	5	1
b	7	1	1
COIL	1	1	8

-68AXR11
G2R-2-SN

a	3	4	022-6
b	2	2	1
a	6	5	1
b	7	1	1
COIL	1	1	8

-68AXR12-1
G6D-F4B

a	1	1	052-5
b	1	1	8
COIL	1	1	8

-68AXR12-2
G6D-F4B

a	1	1	052-6
b	1	1	7
COIL	1	1	7

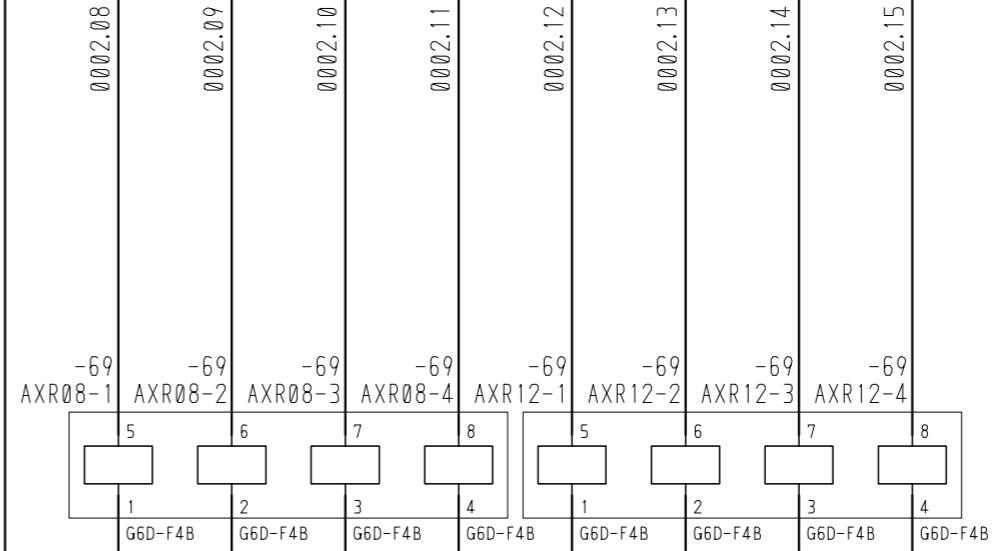
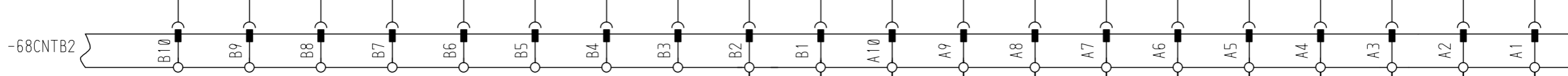
-68AXR12-3
G6D-F4B

a	1	1	052-6
b	1	1	6
COIL	1	1	6

-68AXR12-4
G6D-F4B

a	1	1	052-7
b	1	1	5
COIL	1	1	5

RACK POS. 06 DIGITAL OUTPUT UNIT	
CN1 (2/2)	CJ1W-OD262
PIN ADDRESS	COMMENT
20	0002.00
18	0002.01
16	0002.02
14	0002.03
12	0002.04
10	0002.05
8	0002.06
6	0002.07
4	0V
2	COM1(+V)
19	0002.08
17	0002.09
15	0002.10
13	0002.11
11	0002.12
9	0002.13
7	0002.14
35	0002.15
3	0V
1	COM1(+V)

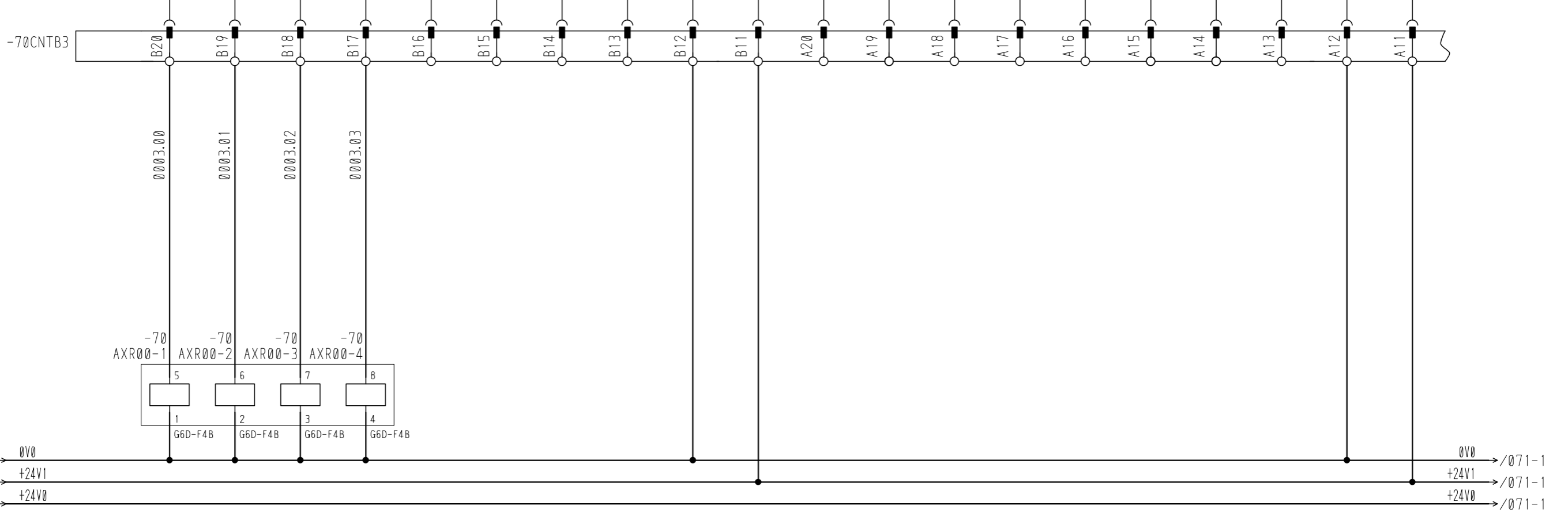


-69AXR08-1 G6D-F4B a[9][3]053-5 COIL 1 5	-69AXR08-2 G6D-F4B a[10][4]053-5 COIL 1 6	-69AXR08-3 G6D-F4B a[11][5]053-6 COIL 1 7	-69AXR08-4 G6D-F4B a[12][6]053-6 COIL 1 8	-69AXR12-1 G6D-F4B a[9][3]053-6 COIL 1 5	-69AXR12-2 G6D-F4B a[10][4]053-7 COIL 1 6	-69AXR12-3 G6D-F4B a[11][5]053-7 COIL 1 7	-69AXR12-4 G6D-F4B a[12][6]053-8 COIL 1 8
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REV.		PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC出力回路(9/)/OD262(2/4). PLC INPUT OUTPUT CIRCUIT(9/). OD262(2/4)	SH. NO.	
			NPC Incorporated	DWG. NO	18003587-02-SD	069	

RACK POS. 06 DIGITAL OUTPUT UNIT	
CN2 (1/2)	COMMENT
CJ1W-OD262	
PIN ADDRESS	COMMENT
40	0003.00 * 保温ファンヒーター電源 ON POSTHEAT FAN NO.2 HEATER POWER ON
38	0003.01 * ヒーター-1(右側)電源 ON AIR HEATER 1 (RIGHT SIDE) POWER ON
36	0003.02 * ヒーター-2(中央)電源 ON AIR HEATER 2 (CENTER) POWER ON
34	0003.03 * ヒーター-3(左側)電源 ON AIR HEATER 3 (LEFT SIDE) POWER ON
32	0003.04
30	0003.05
28	0003.06
26	0003.07
24	0V
22	COM2(+V)
39	0003.08
37	0003.09
35	0003.10
33	0003.11
31	0003.12
29	0003.13
27	0003.14
25	0003.15
23	0V
21	COM2(+V)



-70AXR00-1 G6D-F4B a1 9113 054-1 COIL 1 11 5	-70AXR00-2 G6D-F4B a1 0114 054-2 COIL 1 21 6	-70AXR00-3 G6D-F4B a1 1115 054-2 COIL 1 31 7	-70AXR00-4 G6D-F4B a1 2116 054-3 COIL 1 41 8
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PRODUCT NO.

メイン制御BOX(BC-M)
MAIN CONTROL BOX(BC-M)

TITLE

PLC入出力回路(10/)OD262(3/4).
PLC INPUT OUTPUT CIRCUIT(10/).
OD262(3/4)

SH. NO.

REV.

REV.

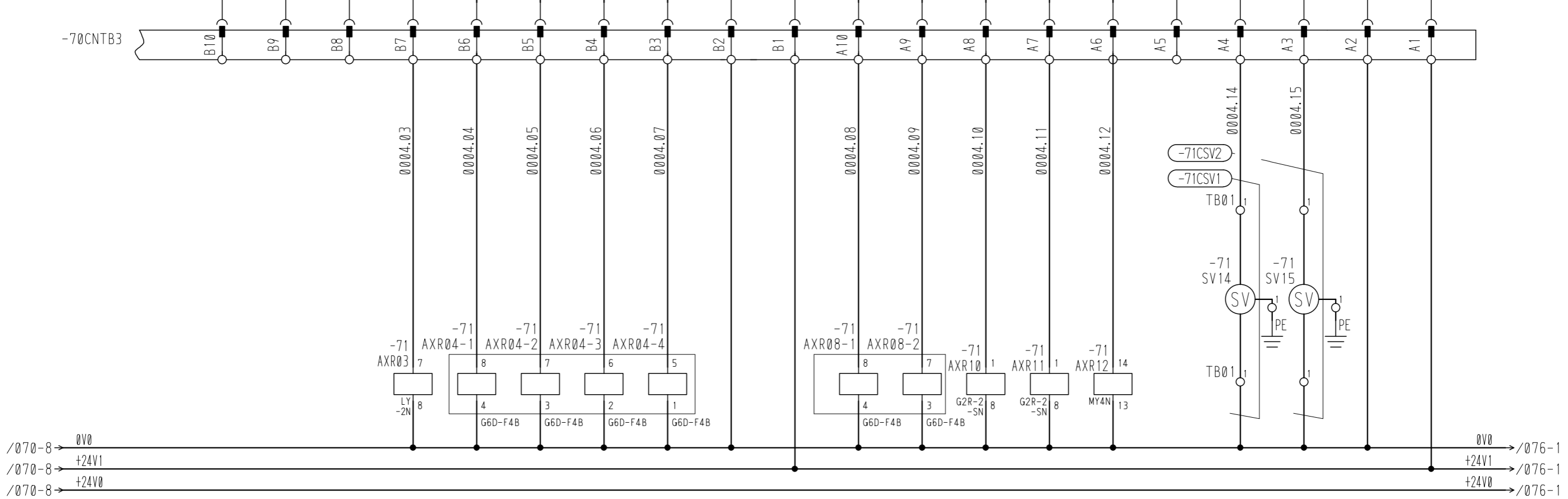
NPC Incorporated

DWG. NO

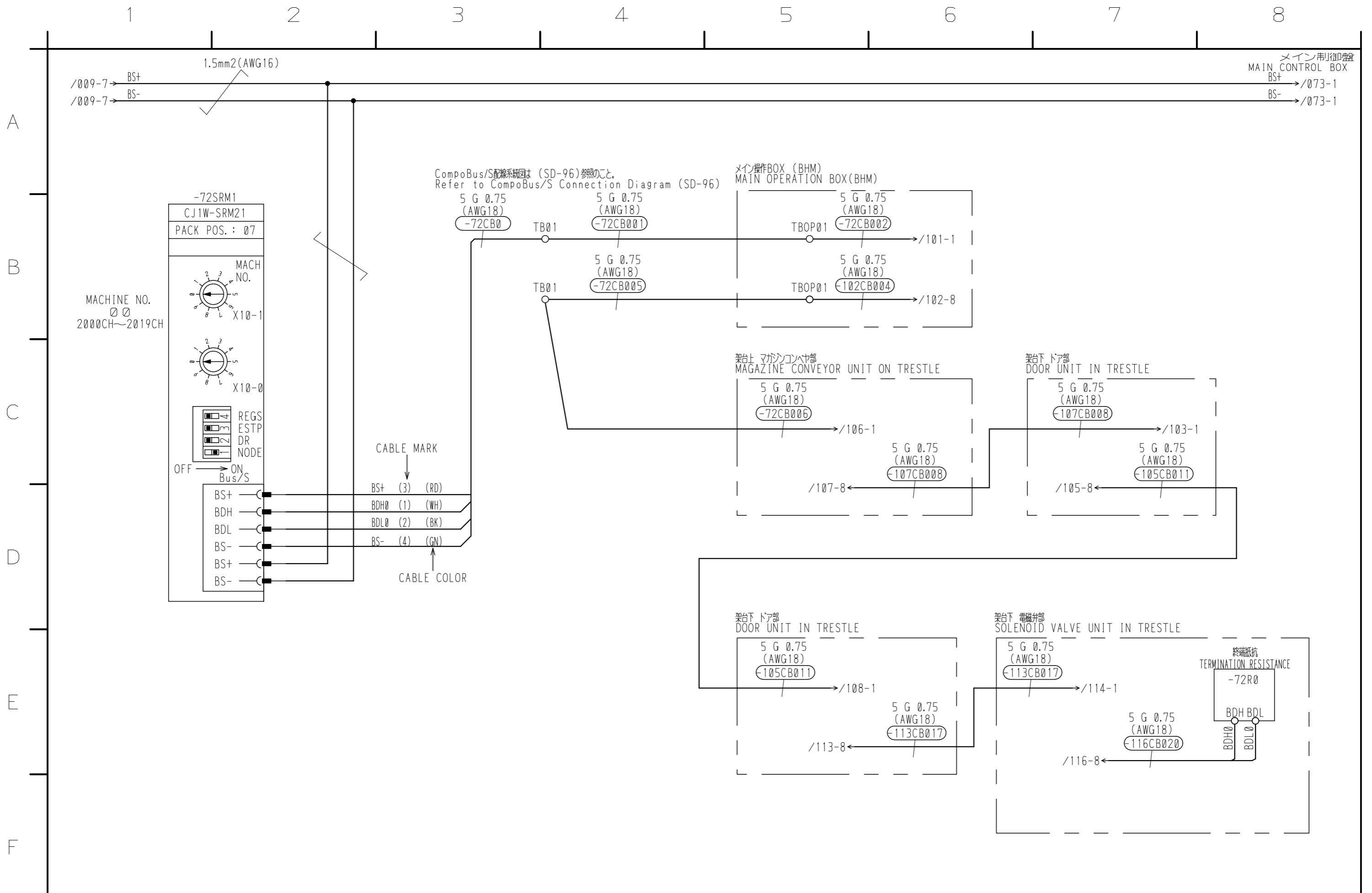
18003587-02-SD

070

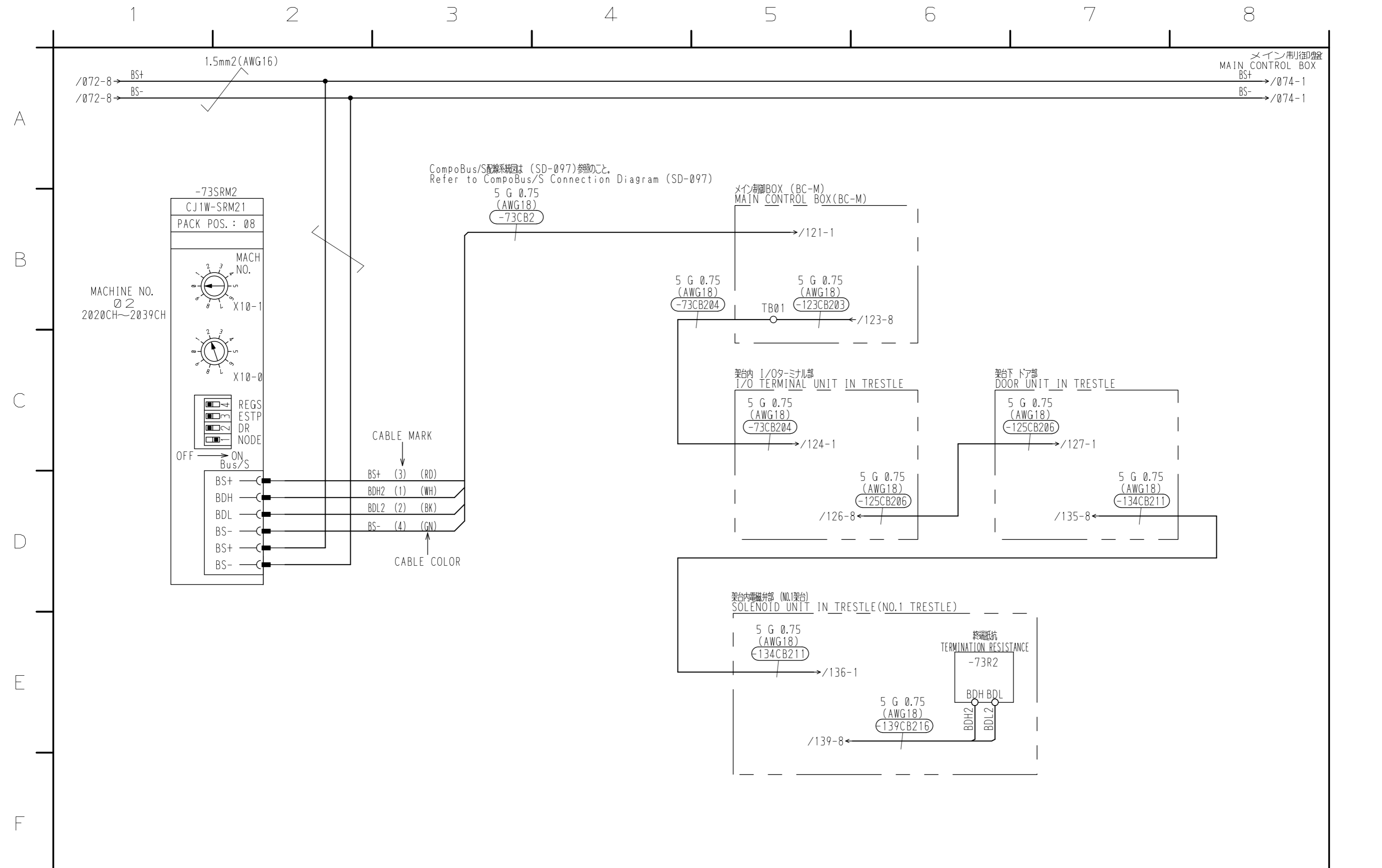
RACK POS.	06	DIGITAL OUTPUT UNIT
CN2 (2/2)		CJ1W-OD262
PIN ADDRESS		COMMENT
20	0004.00	
18	0004.01	
16	0004.02	
14	0004.03	ピッチ変更モータ 電源ON * PITCH CHANGE MOTOR POWER ON
12	0004.04	右列上フラックス塗布 ON *** RIGHT TAB FACE FLUX APPLICATION ON
10	0004.05	右列下フラックス塗布 ON *** RIGHT TAB BACK FLUX APPLICATION ON
8	0004.06	中央列上フラックス塗布 ON (2本列仕様時未使用) CENTER TAB FACE FLUX ON (NONUSED FOR TWO-TAB CELL)
6	0004.07	中央列下フラックス塗布 ON (2本列仕様時未使用) CENTER TAB BACK FLUX ON (NONUSED FOR TWO-TAB CELL)
4	0V	
2	COM3(+V)	
19	0004.08	左列上フラックス塗布 ON *** LEFT TAB FACE FLUX APPLICATION ON
17	0004.09	左列下フラックス塗布 ON *** LEFT TAB BACK FLUX APPLICATION ON
15	0004.10	フラックス塗布 2本列上選択 *** FLUX APPLICATION SELECT 2 OR 3 BUS BAR
13	0004.11	フラックス塗布 2本列下選択 (本体バースオフ) FLUX APPLICATION 3 BUS BAR IS SELECTED (OFF WHEN 2-BUS BAR IS SELECTED)
11	0004.12	フラックス塗布 5インチセル選択 (6インチ選択時 OFF) FLUX APPLICATION 5INCHES CELL IS SELECTED (OFF WHEN 6INCHES CELL IS SELECTED)
9	0004.13	
7	0004.14	フラックスタンク圧抜き弁 上流側 (OFFで圧抜き) FLUX TANK DEPRESSURE VALVE UPSTREAM (DEPRESSURE WHEN POWERED OFF)
35	0004.15	フラックスタンク圧抜き弁 下流側 (OFFで圧抜き) FLUX TANK DEPRESSURE VALVE DOWNSTREAM (DEPRESSURE WHEN POWERED OFF)
3	0V	
1	COM3(+V)	



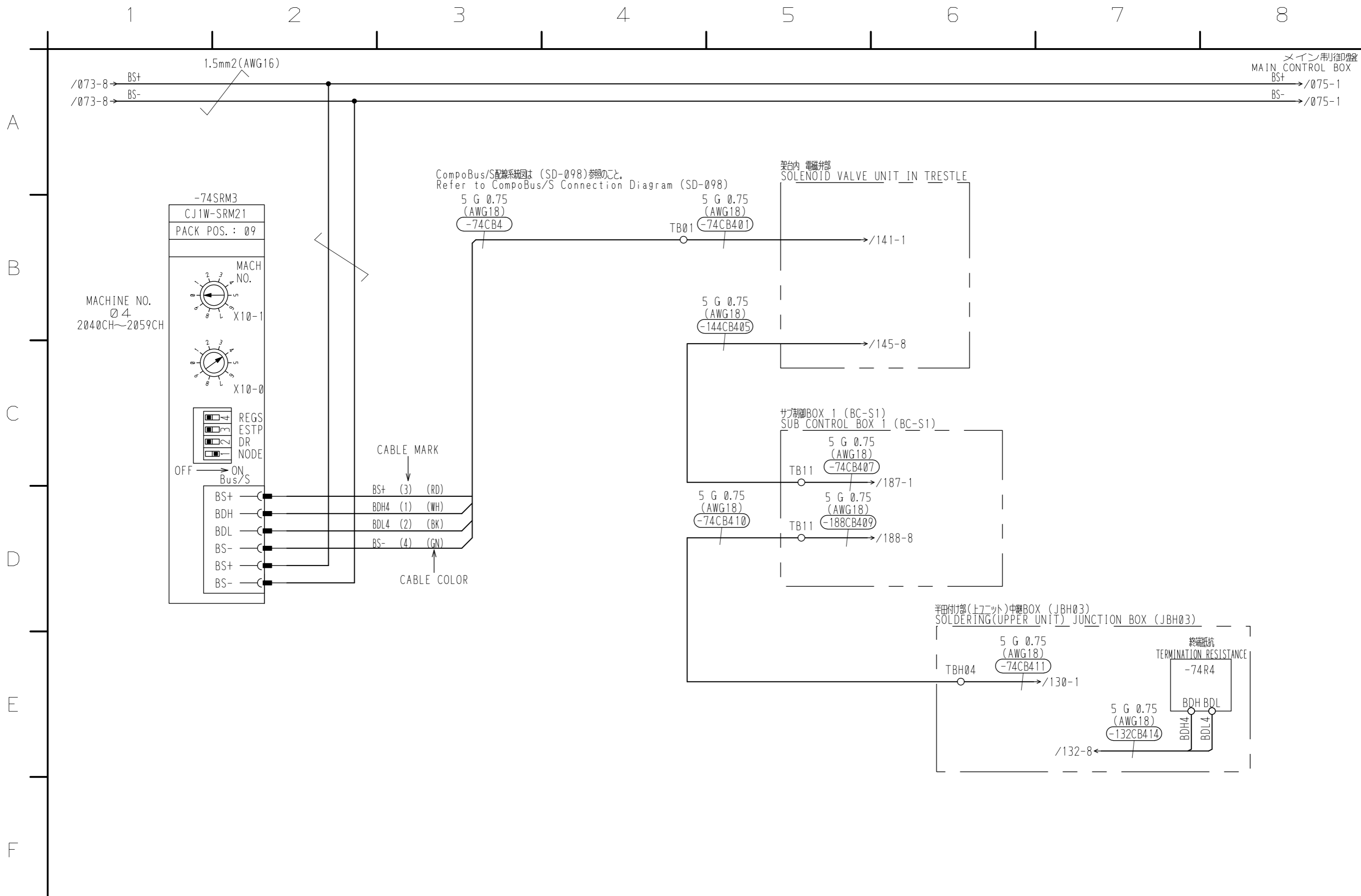
-71AXR03 LY-2N	-71AXR04-1 G6D-F4B	-71AXR04-2 G6D-F4B	-71AXR04-3 G6D-F4B	-71AXR04-4 G6D-F4B	-71AXR08-1 G6D-F4B	-71AXR08-2 G6D-F4B	-71AXR10 G2R-2-SN	-71AXR11 G2R-2-SN	-71AXR12 MY4N
a 5 3 007-2	a 1 2 1 6 024-2	a 1 1 1 5 024-4	a 1 1 1 4 024-5	a 1 1 3 024-7	a 1 2 1 6 025-2	a 1 1 1 5 025-4	a 3 4 026-3	a 3 4 026-5	a 9 5 026-2
b 5 1	b 4 1 8	b 3 1 7	b 2 1 6	b 1 1 5	b 4 1 8	b 3 1 7	a 6 5 026-6	a 6 5 026-5	b 1 0 6 026-3
a 6 4							b 6 7	b 6 7	b 10 6 026-3
b 6 2							COIL 11 8	COIL 11 8	b 11 7 026-5
COIL 1 7 1 8									b 11 3 026-5
									a 12 8 026-7
									b 12 4 026-7
									COIL 1 13 14



						PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	PLC 入力回路 (12/) SRM21 (1/4), PLC 出力回路 (12/) SRM21 (1/4)	SH. NO.
								DWG. NO	18003587-02-SD	072
REV.							NPC Incorporated			



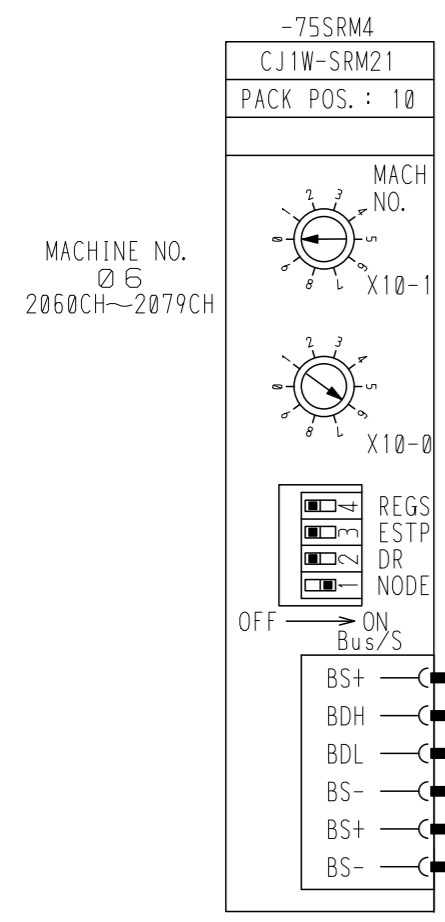
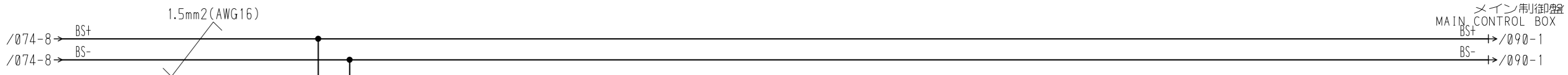
REV.		REV.			PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	PLC 入出力回路 (13/) SRM21 (2/4). PLC INPUT OUTPUT CIRCUIT (13/). SRM21 (2/4)	SH. NO.
					NPC Incorporated		DWG. NO	18003587-02-SD	073



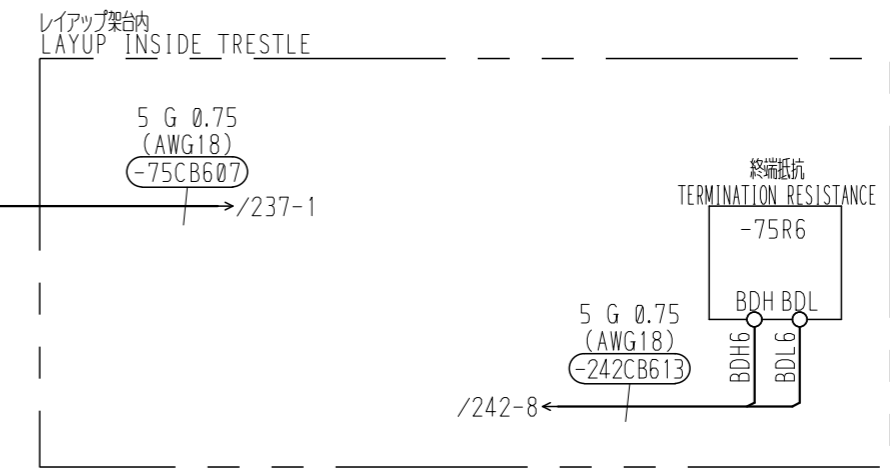
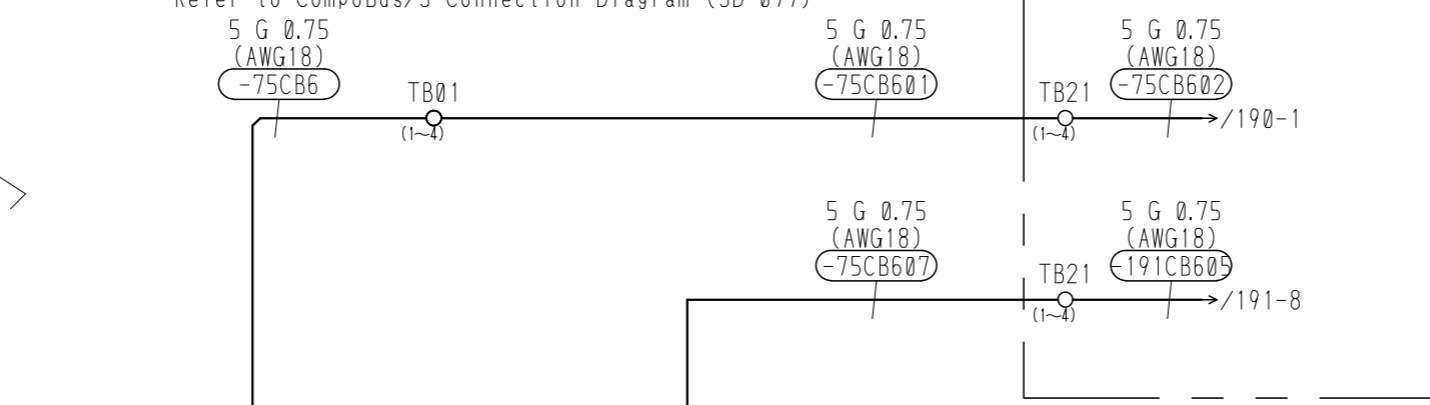
REV.		REV.		PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	PLC 入出力回路 (14/) SRM21 (3/4). PLC INPUT OUTPUT CIRCUIT (14/). SRM21 (3/4)	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	074

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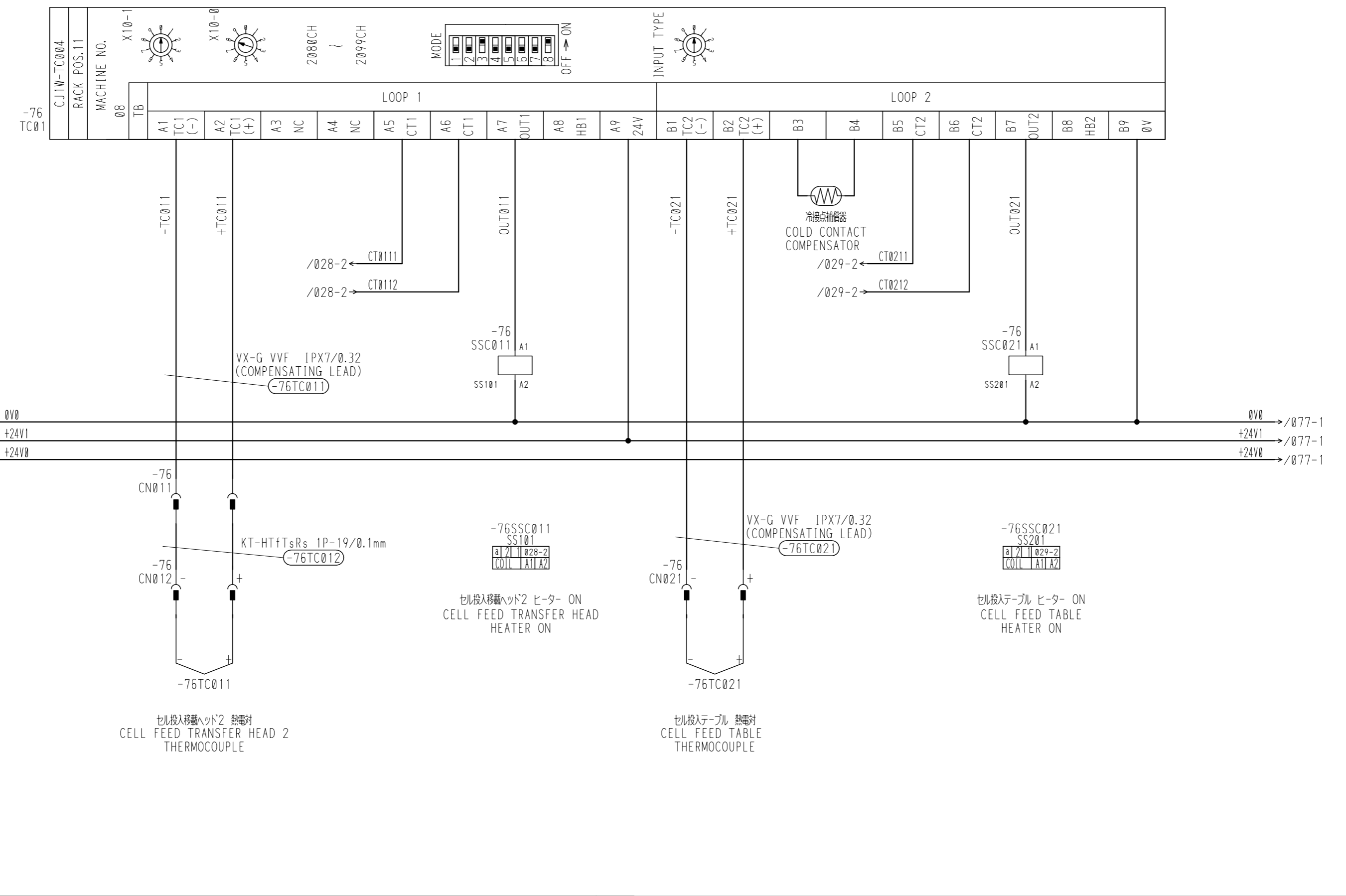
CompoBus/S配線図は (SD-099) 参照のこと。
Refer to CompoBus/S Connection Diagram (SD-099)



REV.						PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	PLC 入力回路 (15/) SRM21 (4/4), PLC 出力回路 (15/) SRM21 (4/4)	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	075

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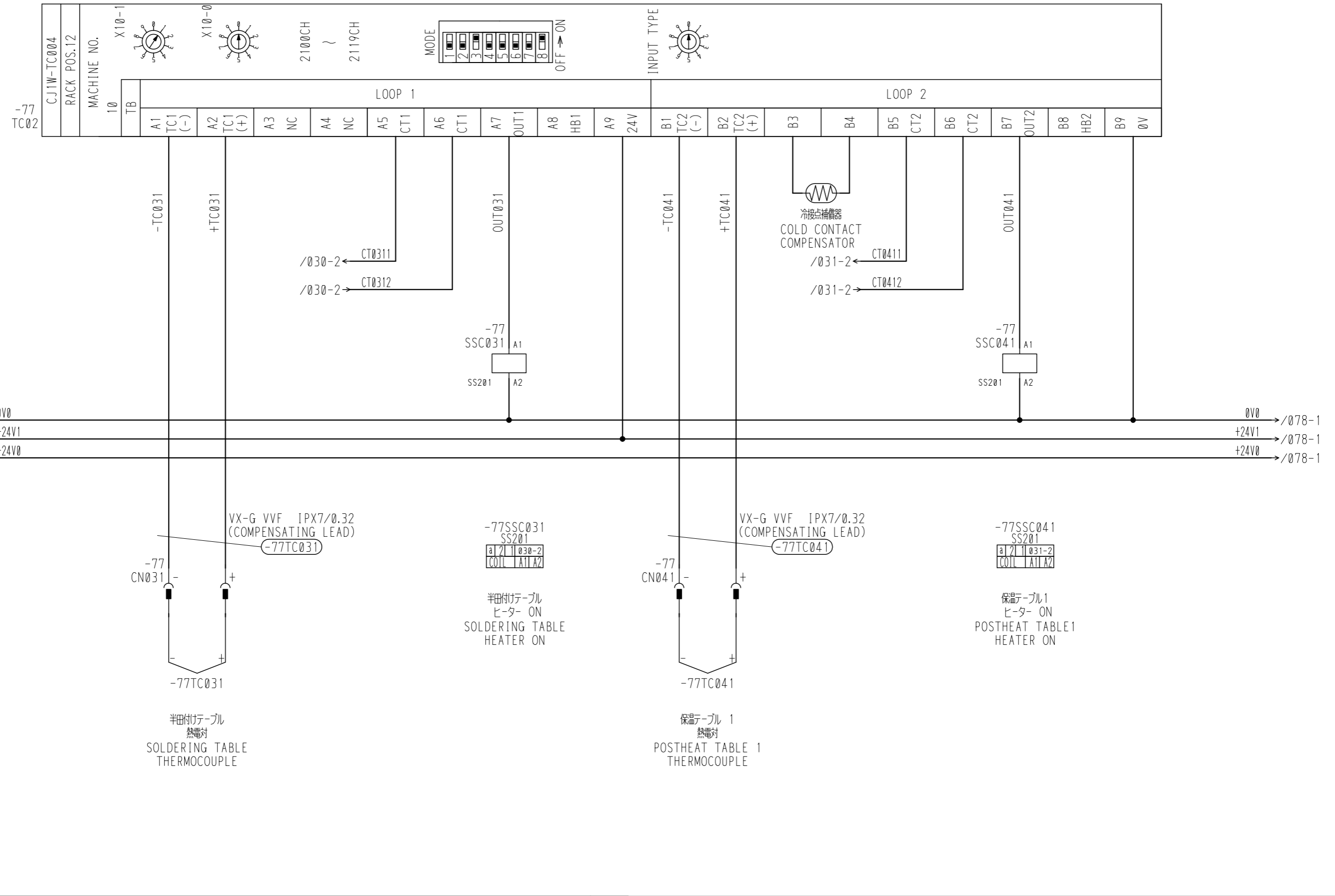
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REV.		REV.	PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(16/)/TC004(1/). PLC INPUT OUTPUT CIRCUIT(16/). TC004(1/)	SH. NO.
			NPC Incorporated		DWG. NO	18003587-02-SD	076

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REV.		REV.		PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(17/)TC004(2/). PLC INPUT OUTPUT CIRCUIT(17/). TC004(2/)	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	077

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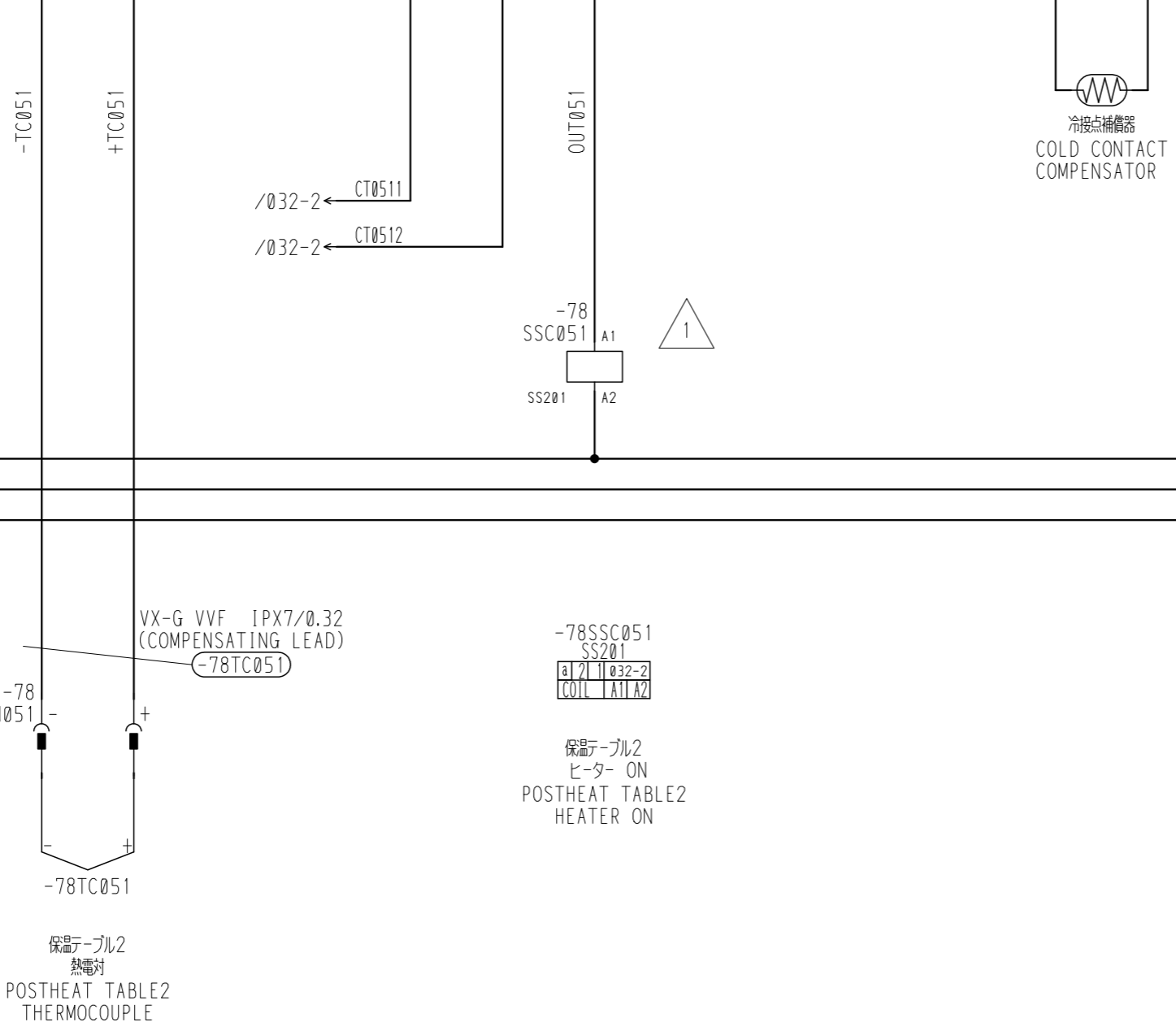
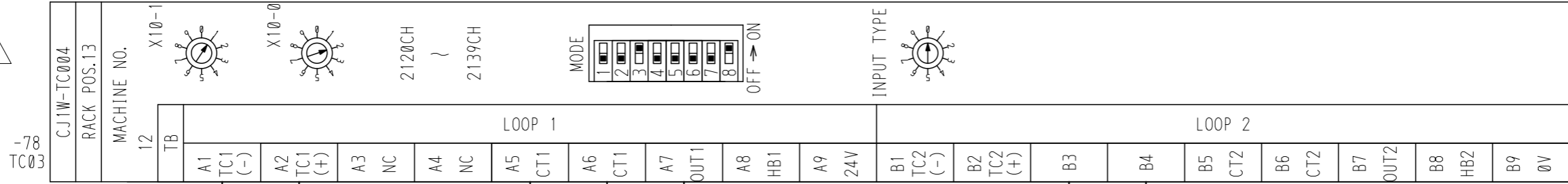
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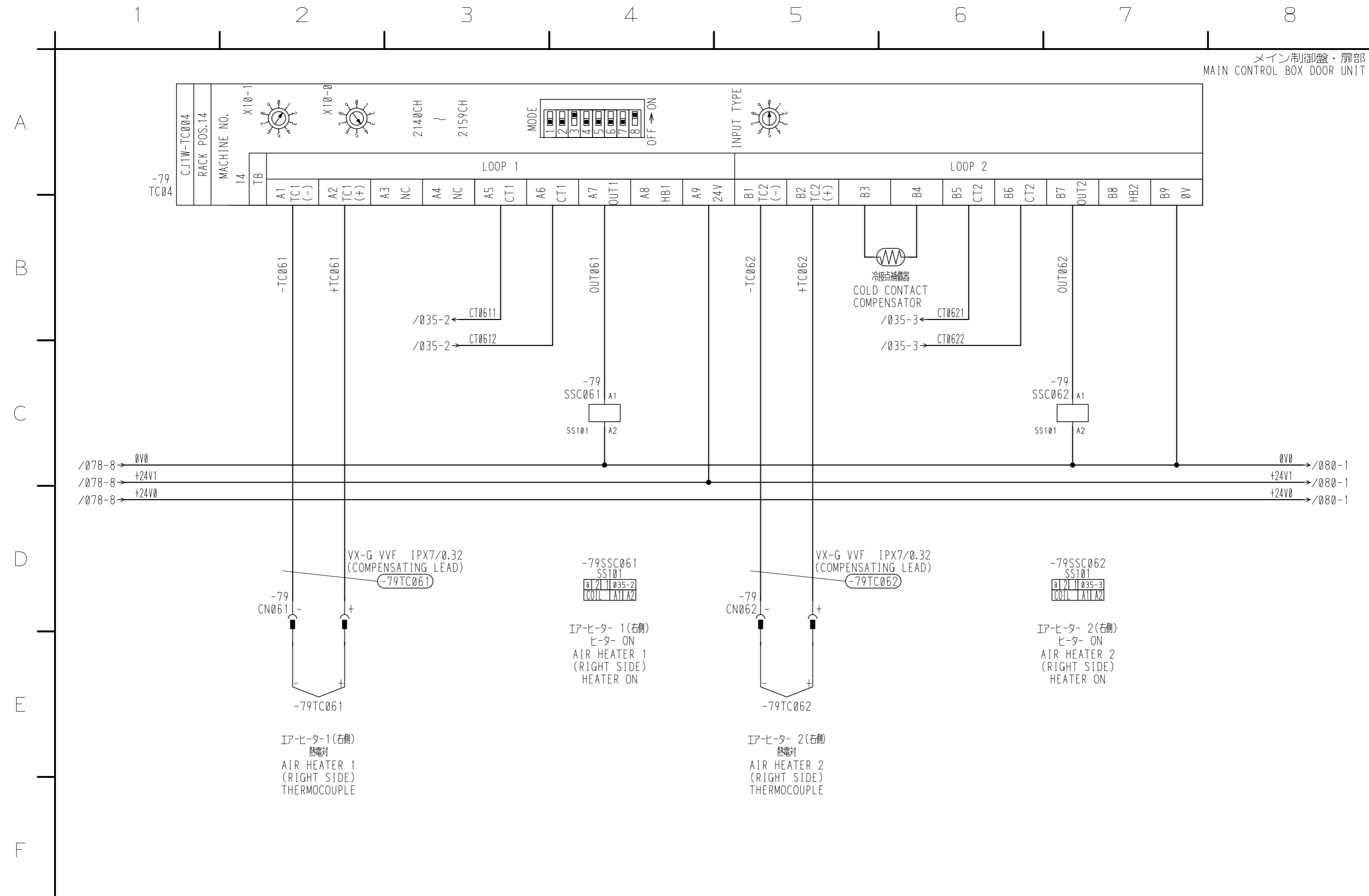
F



/077-8 → 0V0
 /077-8 → +24V1
 /077-8 → +24V0

0V0 → /079-1
 +24V1 → /079-1
 +24V0 → /079-1

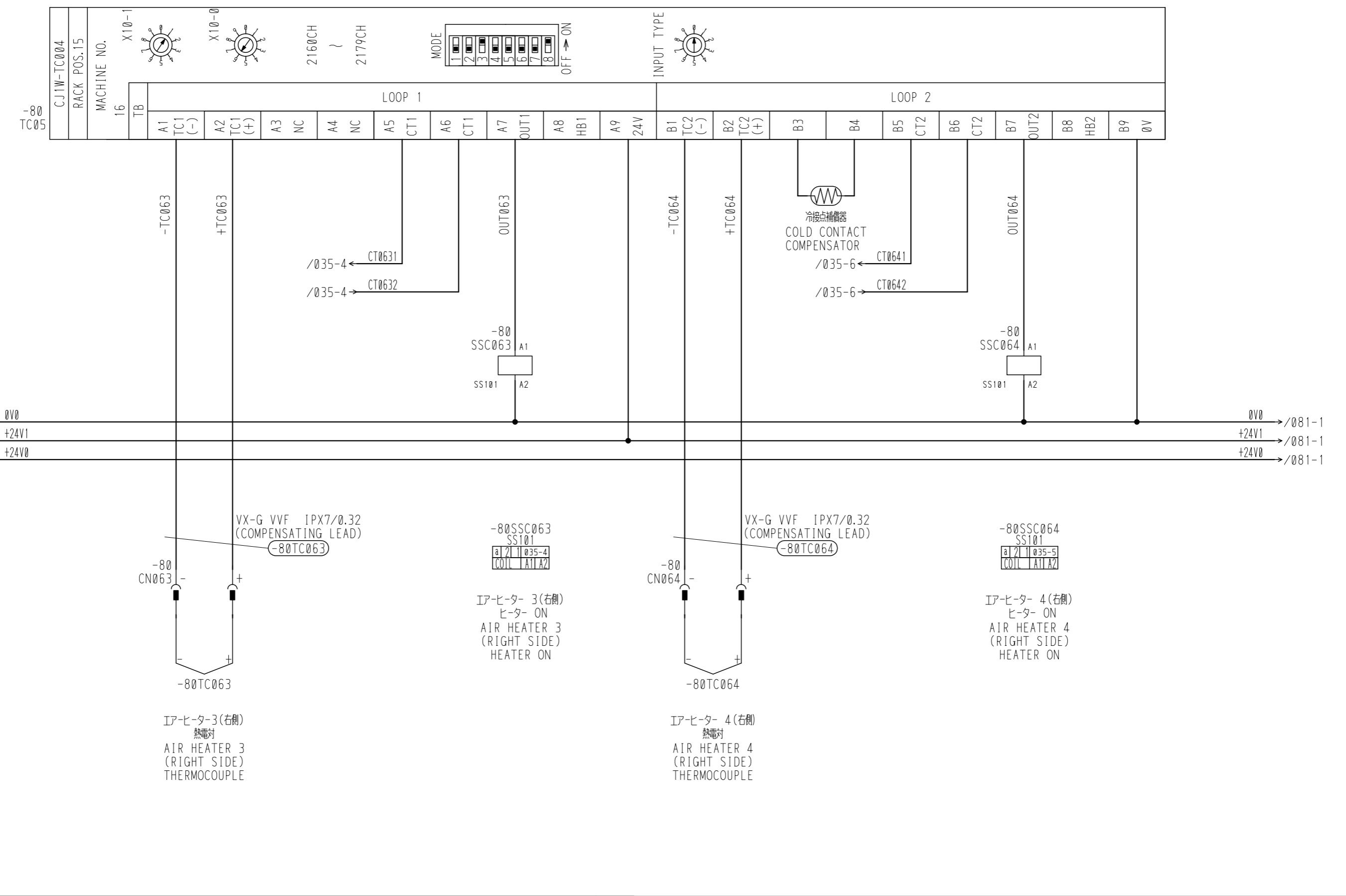
REV.	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW					PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(18/)予備図(3/). PLC INPUT OUTPUT CIRCUIT(18/). SPARE(3/)	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	078



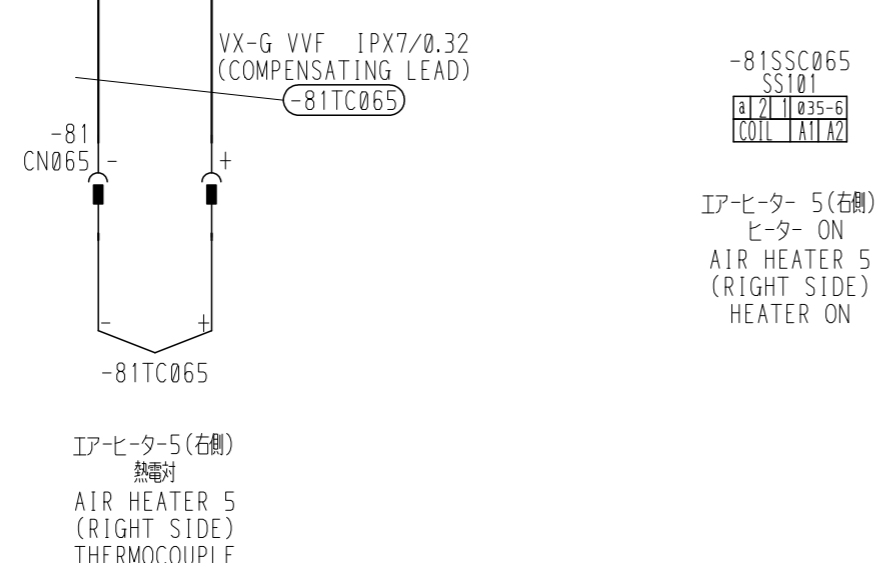
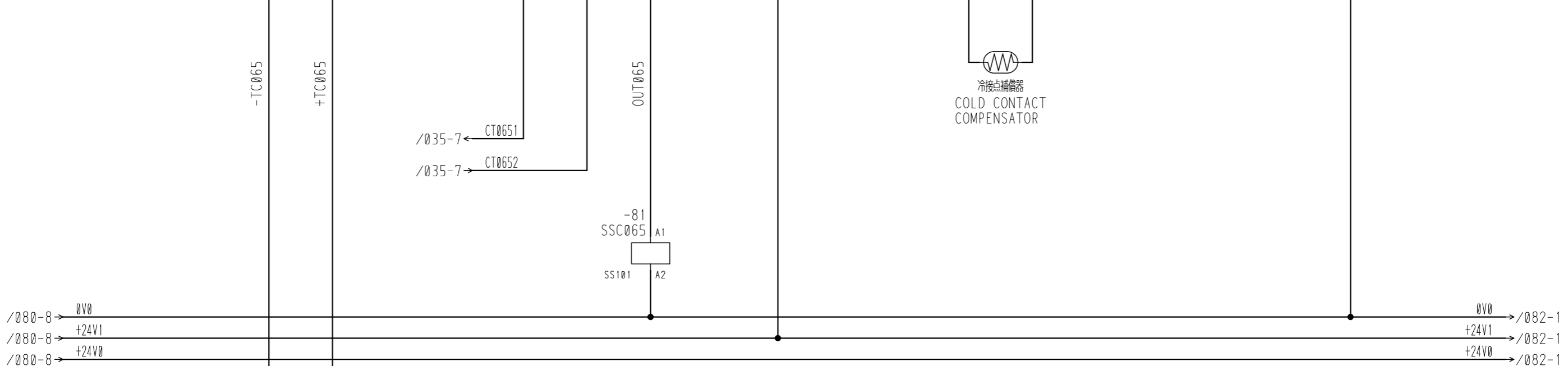
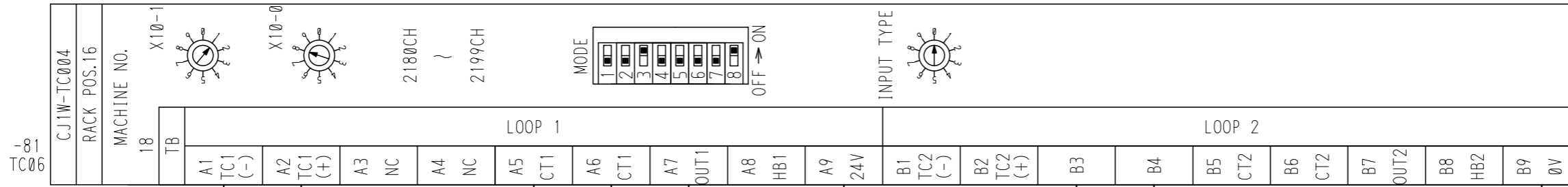
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										NPC Incorporated		DWG. NO	18003587-02-SD	079

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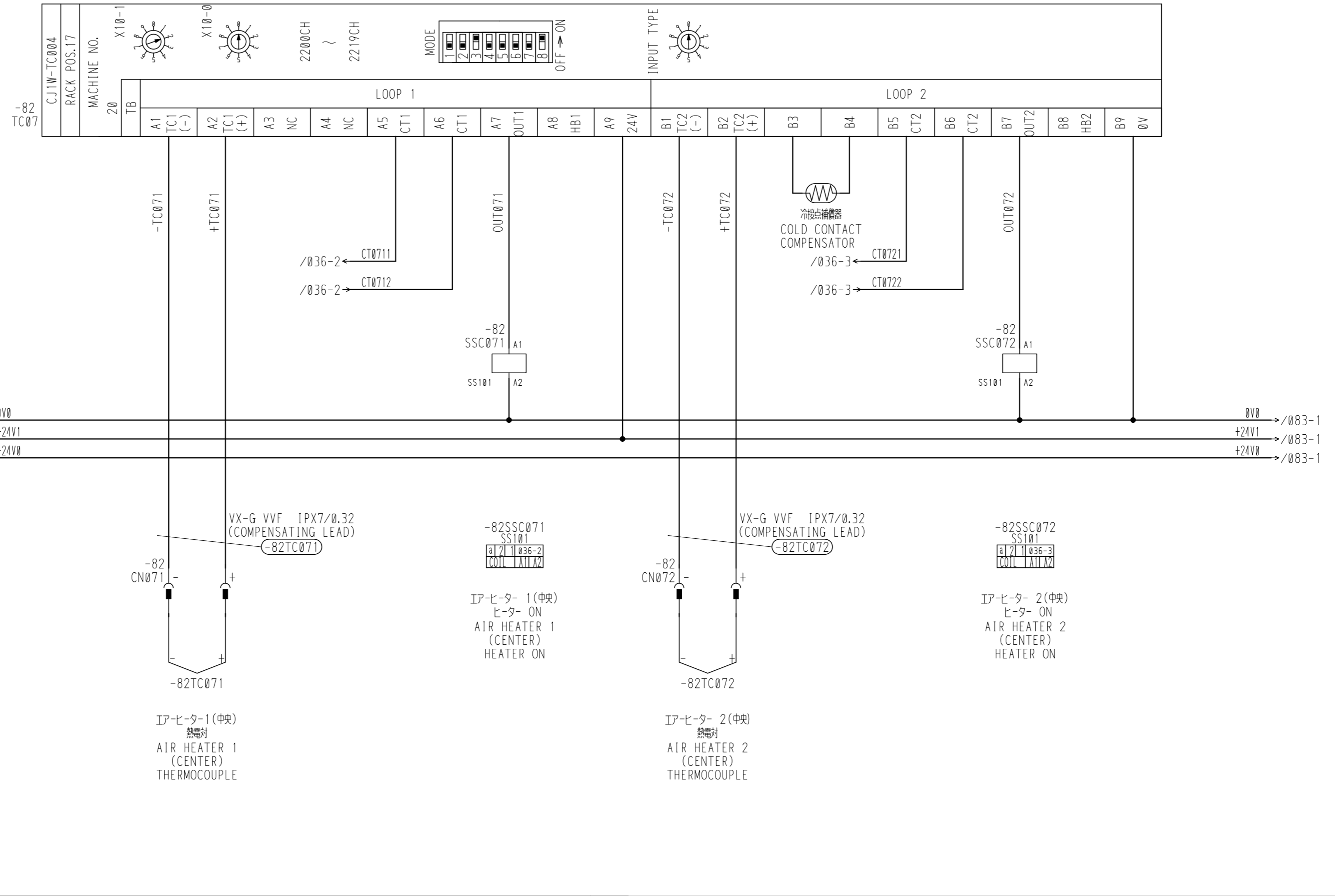
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												DWG. NO	18003587-02-SD	080
										NPC Incorporated				



REV.								PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(21/)TC004(6/). PLC INPUT OUTPUT CIRCUIT(21/). TC004(6/)	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	081

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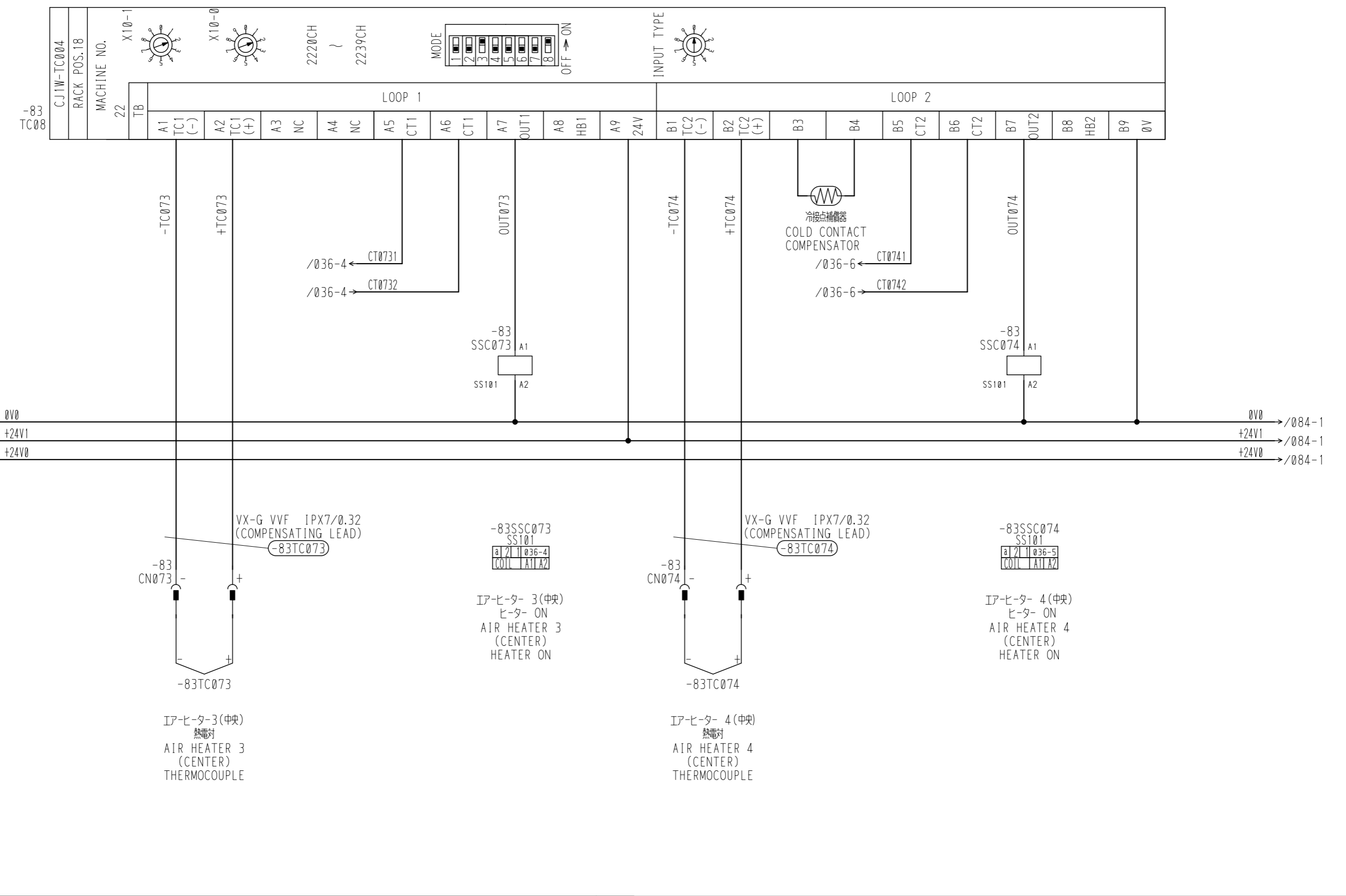
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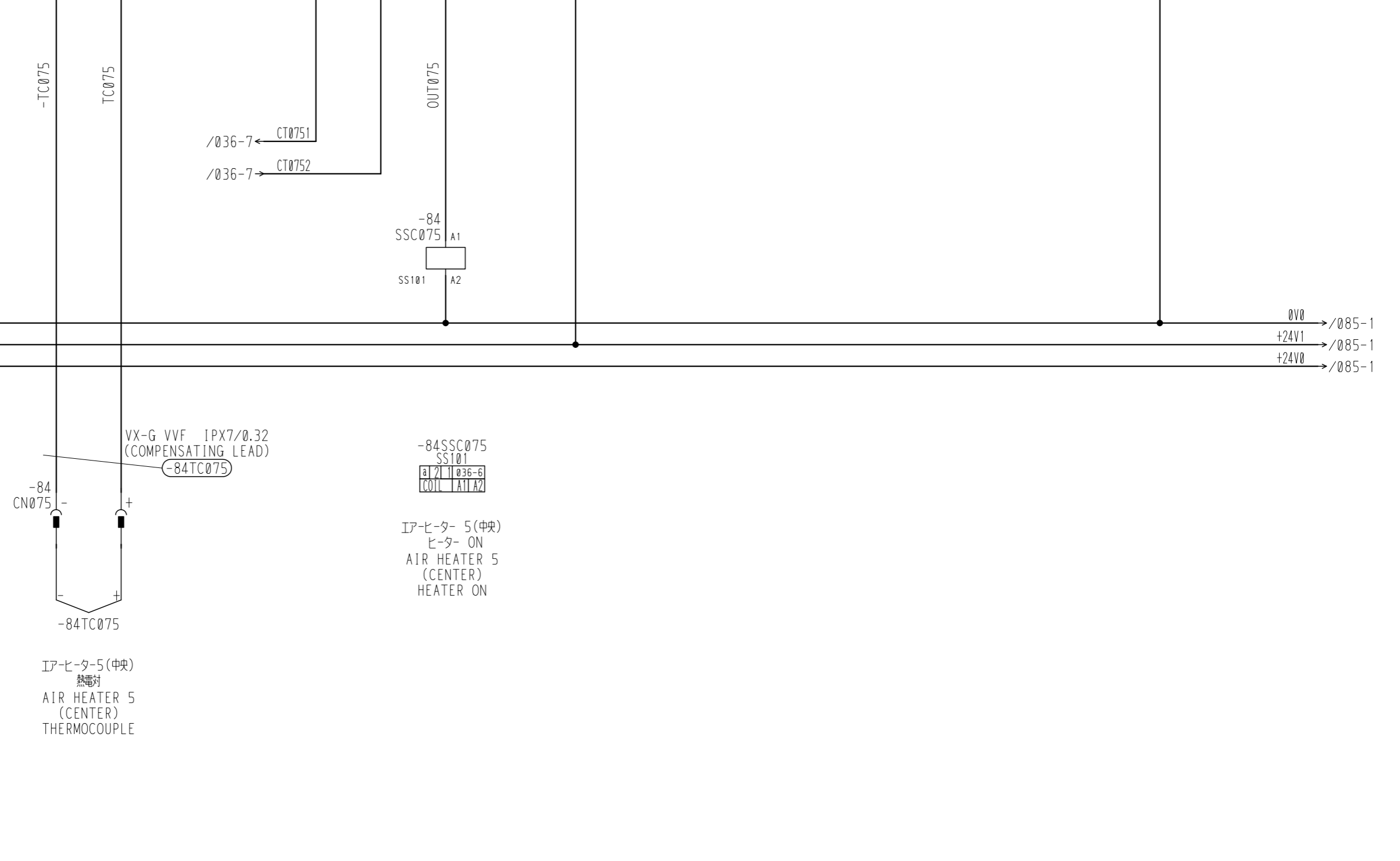
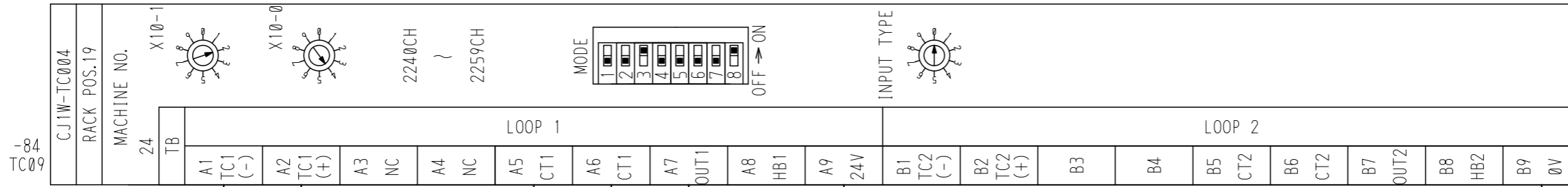
REV.		REV.		PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(22/).TC004(7/). PLC INPUT OUTPUT CIRCUIT(22/). TC004(7/)	SH. NO.	
					NPC Incorporated	DWG. NO	18003587-02-SD	082	

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REV.		REV.		PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(23/).TC004(8/). PLC INPUT OUTPUT CIRCUIT(23/). TC004(8/)	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	083	



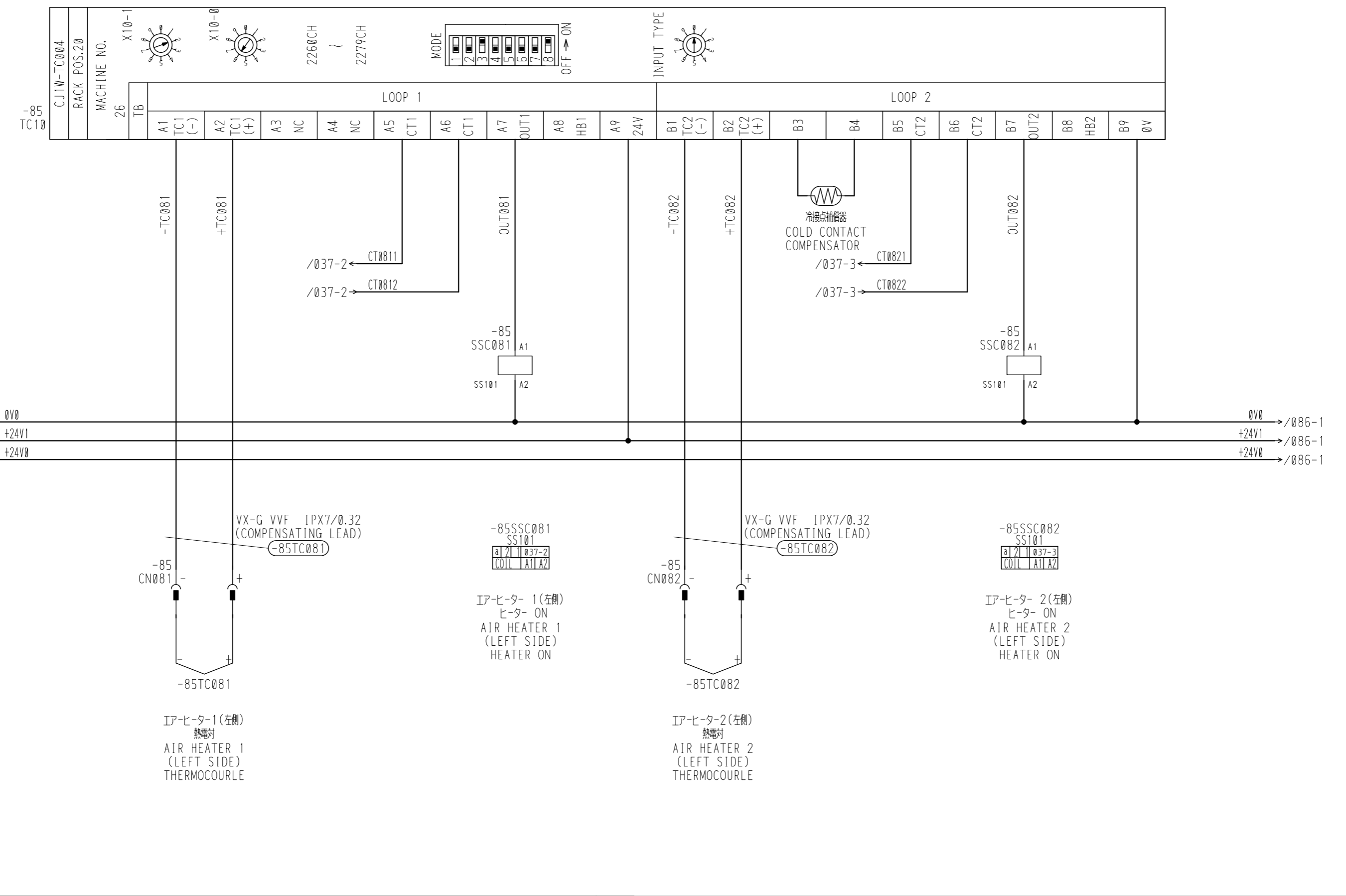
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SS101
a 2 1 036-6
COIL 1A1A2
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ヒーター ON
AIR HEATER 5
(CENTER)
HEATER ON

-84TC075
-84CN075
VX-G VVF IPX7/0.32
(COMPENSATING LEAD)
エアヒーター-5(中央)
熱電対
AIR HEATER 5
(CENTER)
THERMOCOUPLE

REV.								PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(24/)TC004(9/). PLC INPUT OUTPUT CIRCUIT(24/). TC004(9/)	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	084

1 2 3 4 5 6 7 8

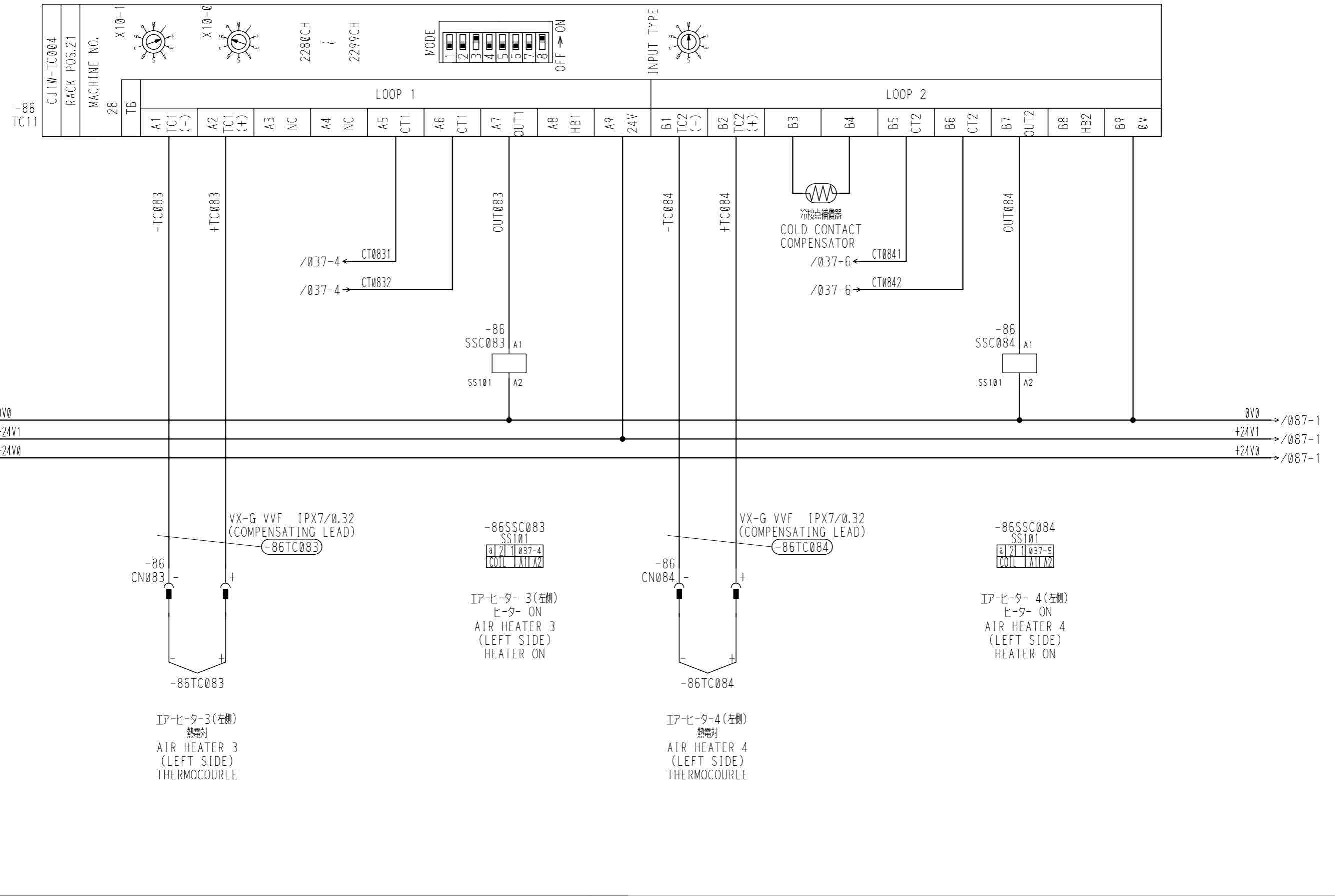
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REV.								PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(25/)TC004(10/), PLC INPUT OUTPUT CIRCUIT(25/), TC004(10/)	SH. NO.	
								NPC Incorporated		DWG. NO	18003587-02-SD	085	

1 2 3 4 5 6 7 8

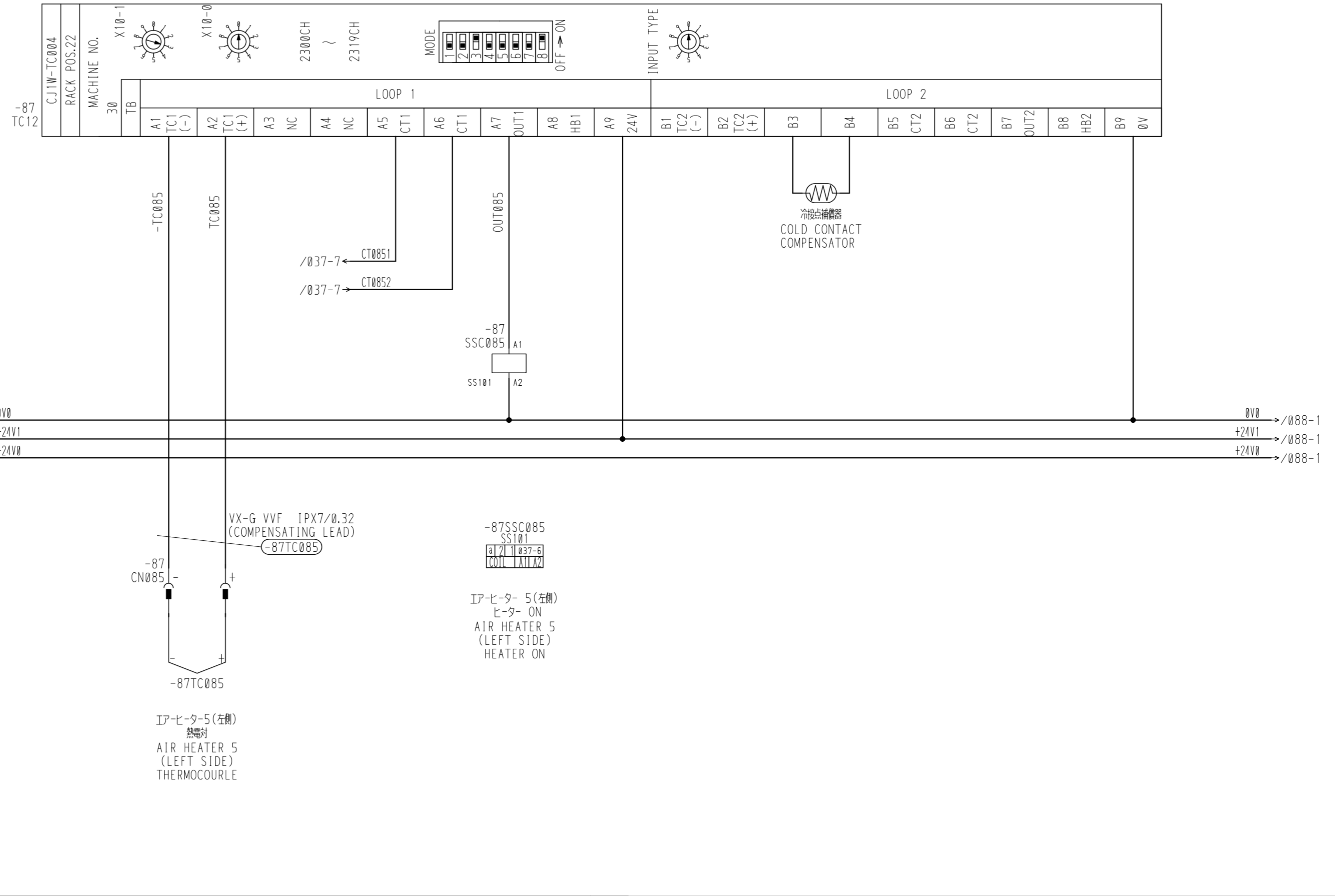
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REV.								PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(26/)/TC004(11/), PLC INPUT OUTPUT CIRCUIT(26/). TC004(11/)	SH. NO.	
								NPC Incorporated		DWG. NO	18003587-02-SD	086	

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REV.								PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入出力回路(27/)TC004(12/), PLC INPUT OUTPUT CIRCUIT(27/). TC004(12/)	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	087

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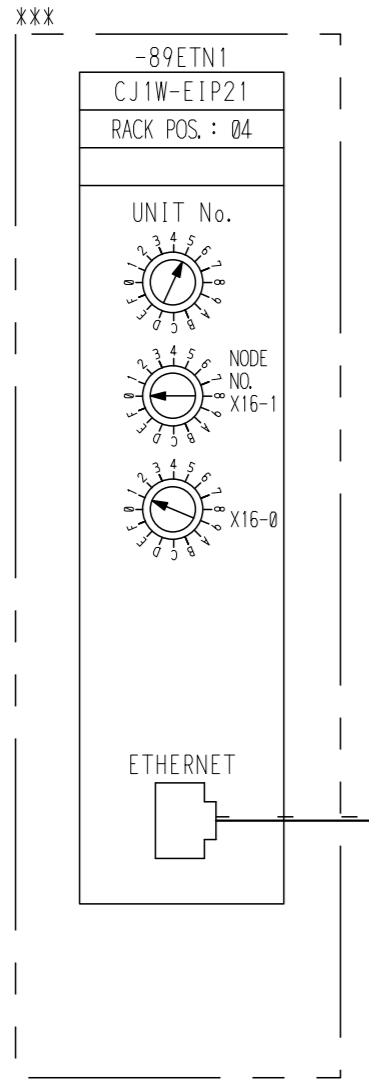
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メイン制御盤・扉部
MAIN CONTROL BOX DOOR UNIT

メイン制御盤扉部
MAIN CONTROL BOX DOOR UNIT



メイン操作BOX
MAIN OPRETION BOX (BHM)

KB-STP-10LB(10m)
(-89CINS2)

←/060-6

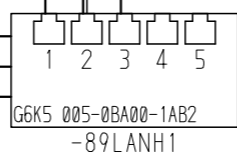
LAYUP No.1装置 メイン制御盤
LAYUP No.1 MACHINE MAIN CONTROL BOX

KB-STP-05LB(5m)
(LANC-TS1)

KB-STP-05LB(5m)
(-89CINS1)

3 G 1.5
-11C06

/011 → +24V0
/011 → 0V0
/011 → PE



LAYUP No.1装置 メイン制御盤
LAYUP No.1 MACHINE MAIN CONTROL BOX

KB-STP-10LB(10m)
(LANC-TS2)

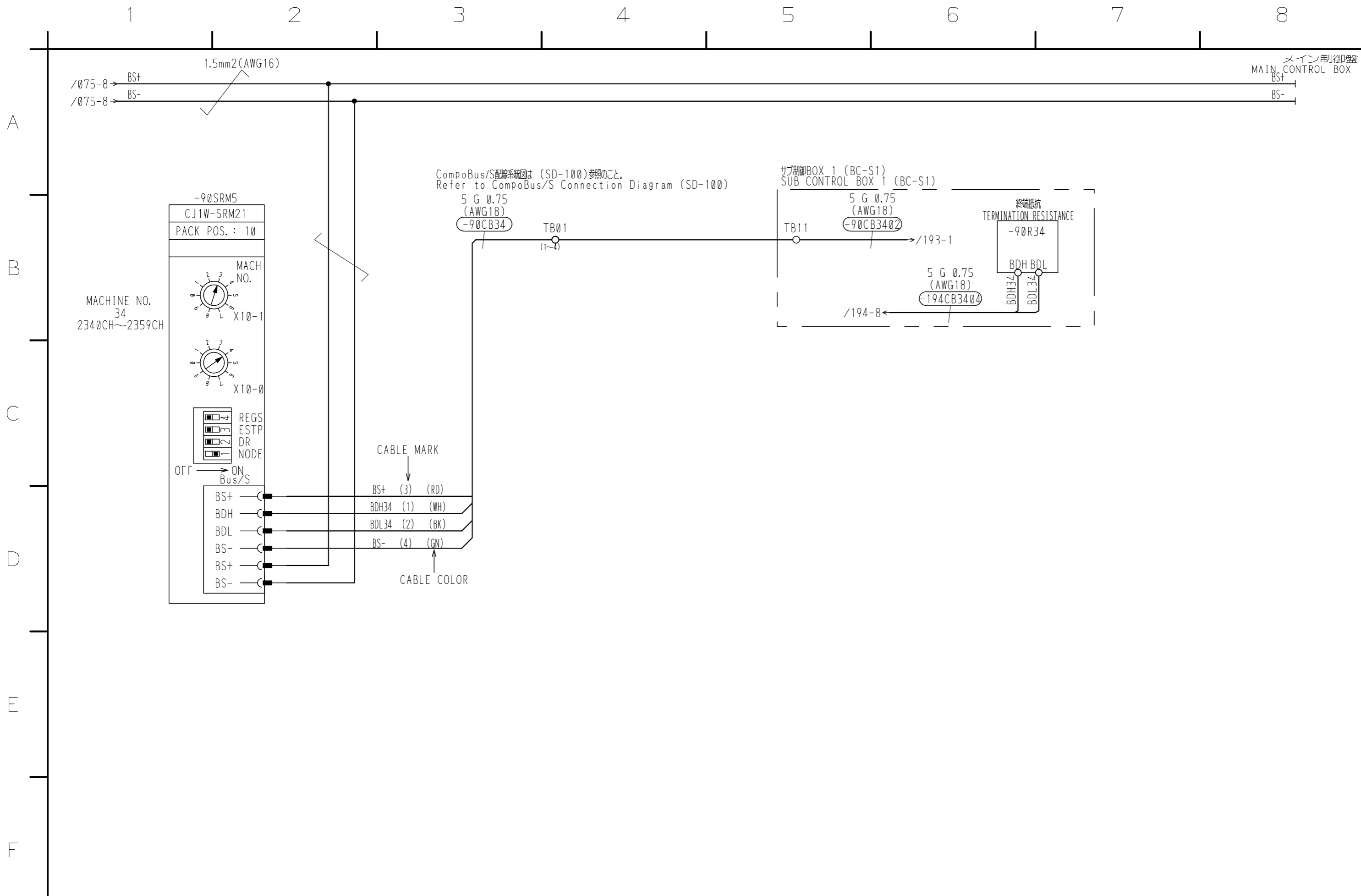
- 1 ← TD+
- 2 ← TD-
- 3 ← RD+
- 4 ←
- 5 ← RD-
- 6 ←
- 7 ←
- 8 ←

ETHERNET ケーブル 詳細
ETHERNET Cable Detail

電気的特性: IEEE802.3 規格に準拠
Electrical Characteristics : IEEE 802.3 Standard
コネクタ: RJ45-8P モジュラコネクタ(ISO 8877 準拠)
Connector : RJ45-8P Modula Connector (conform to ISO 8877)

T&S装置 No.2用はこちらに変更
FOR TABBING & STRINGING MACHINE No.2

REV.							PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	PLC入力回路(29/)ETN21. PLC INPUT OUTPUT CIRCUIT(29/). CJ1W-ETN21	SH. NO.
							NPC Incorporated		DWG. NO	18003587-02-SD	089



REV.								PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	PLC 入力回路 (15/) SRM21 (5/5) PLC 出力回路 (15/) SRM21 (5/5)	SH. NO.
								NPC Incorporated		DWG. NO.	18003587-02-SD	090

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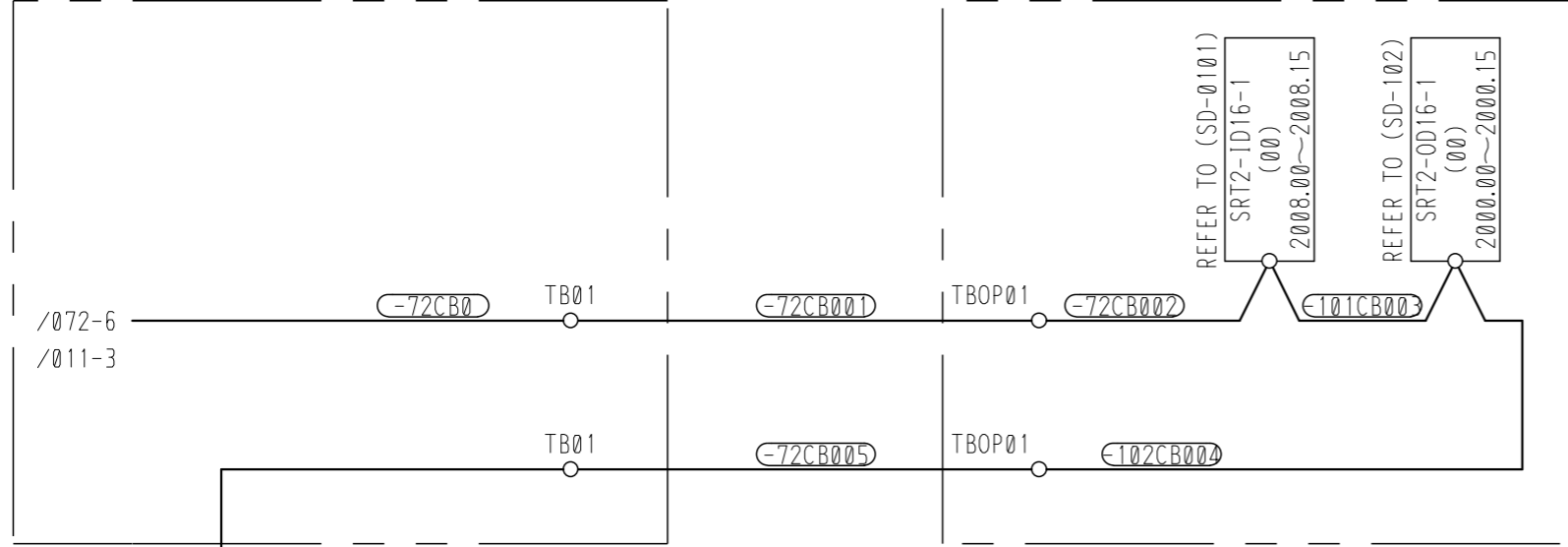
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メイン制御BOX (BC-M)
MAIN CONTROL BOX (BC-M)

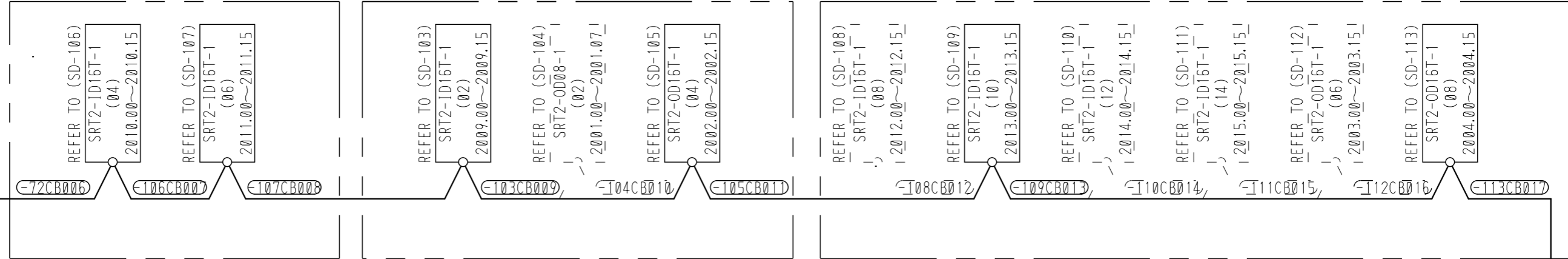
メイン操作BOX (BHM)
MAIN OPERATION BOX (BHM)



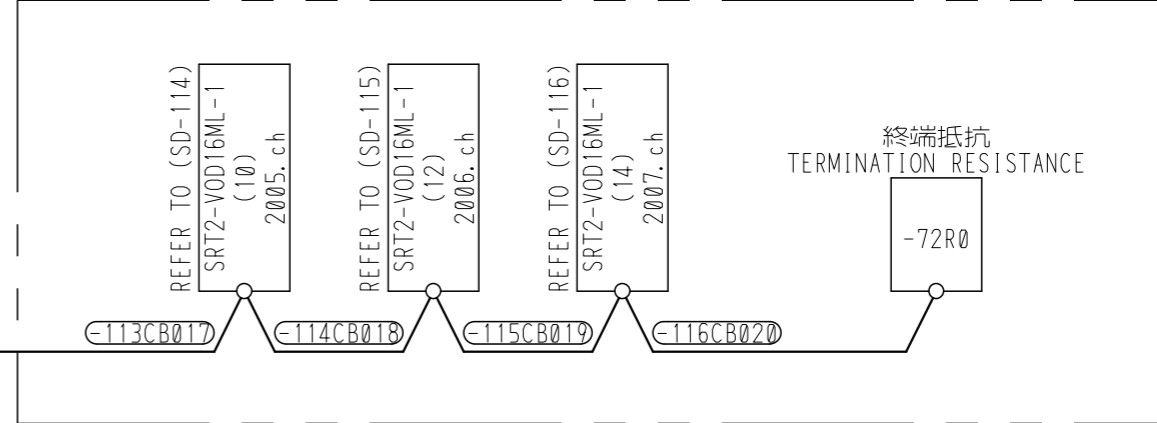
架台上マガシコンベヤ部
MAGAZINE CONVEYOR ON TRESTLE

架台内 扉部(背面・1枚目)
DOOR UNIT(BACK SIDE, FIRST) IN TRESTLE

架台内 扉部(背面・2枚目)
DOOR UNIT(BACK SIDE, SECOND) IN TRESTLE



架台内 電磁弁部
SOLENOID VALVE UNIT IN TRESTLE



△				△					
△				△					
△				△					
REV.				REV.					

PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	CompoBus/S系統(1/5). Compo Bus/S CIRCUIT SYSTEM(1/5)	SH. NO.
	NPC Incorporated	DWG. NO	18003587-02-SD	096

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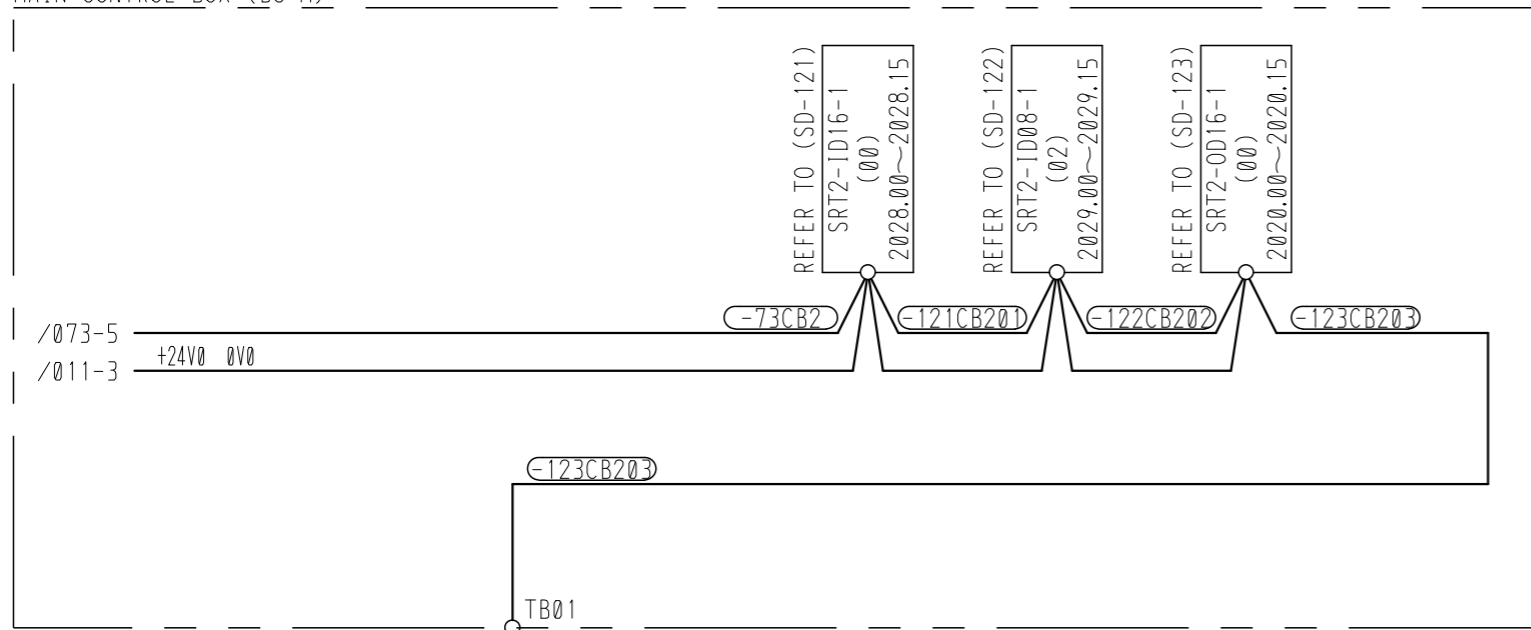
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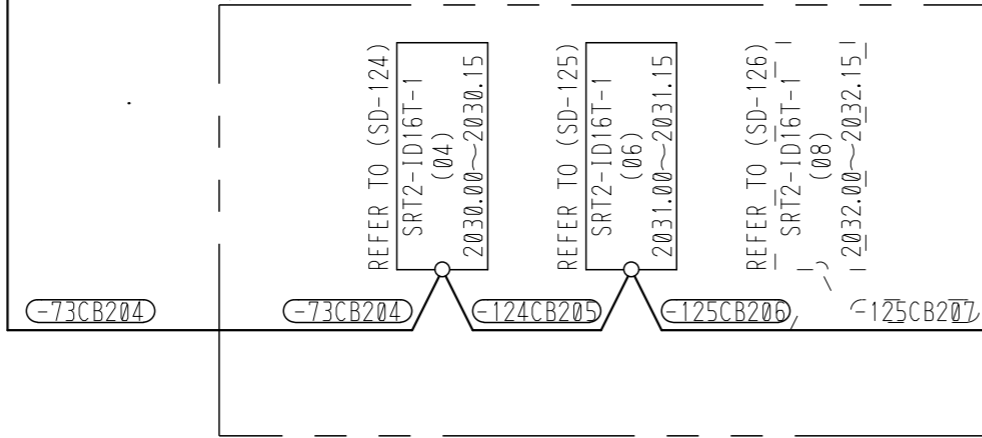
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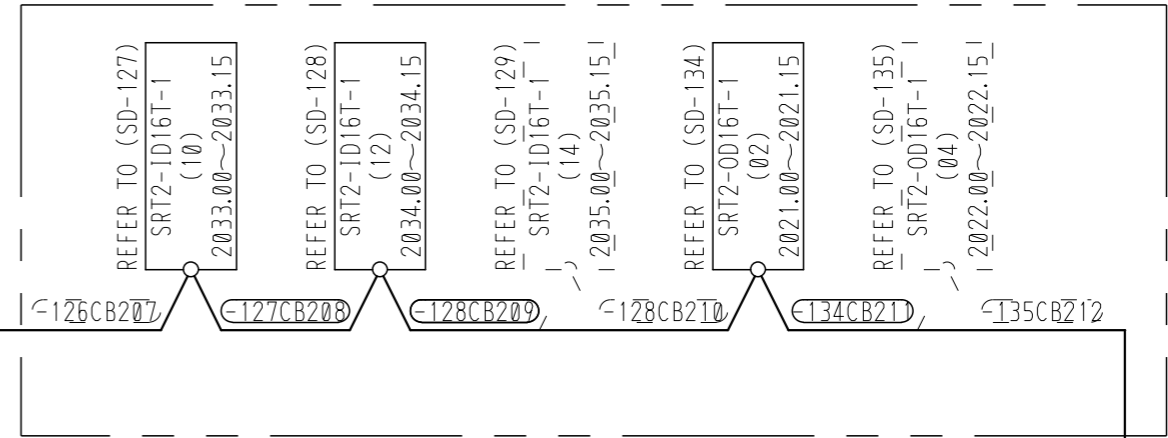
メイン制御BOX (BC-M)
MAIN CONTROL BOX (BC-M)



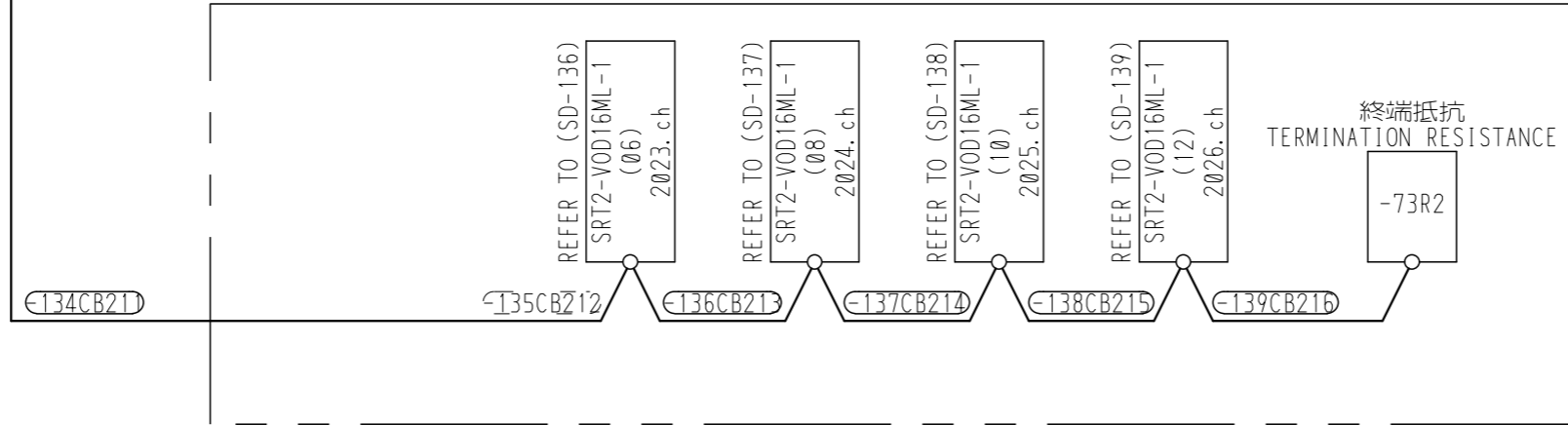
架台内 I/Oターミナル部
I/O TERMINAL UNIT IN TRESTLE



架台内 扉部(正面・8枚目)
DOOR UNIT(FRONT SIDE, EIGHTH) IN TRESTLE



架台内 電磁弁部
SOLENOID VALVE UNIT IN TRESTLE



REV.						PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	CompoBus/S系統(2/5). Compo Bus/S CIRCUIT SYSTEM(2/5)	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	097

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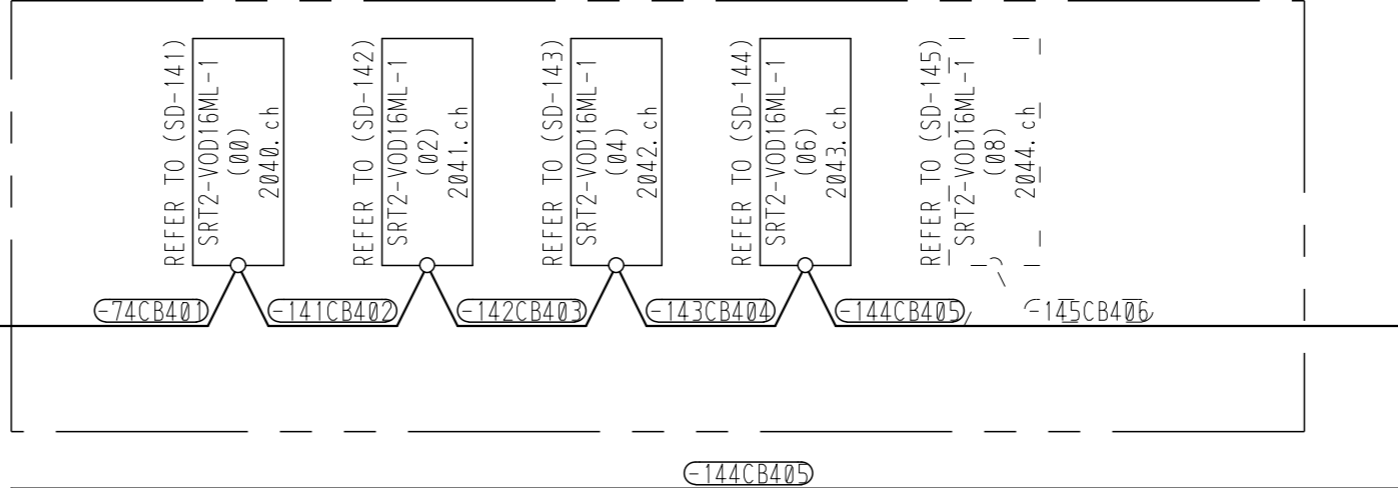
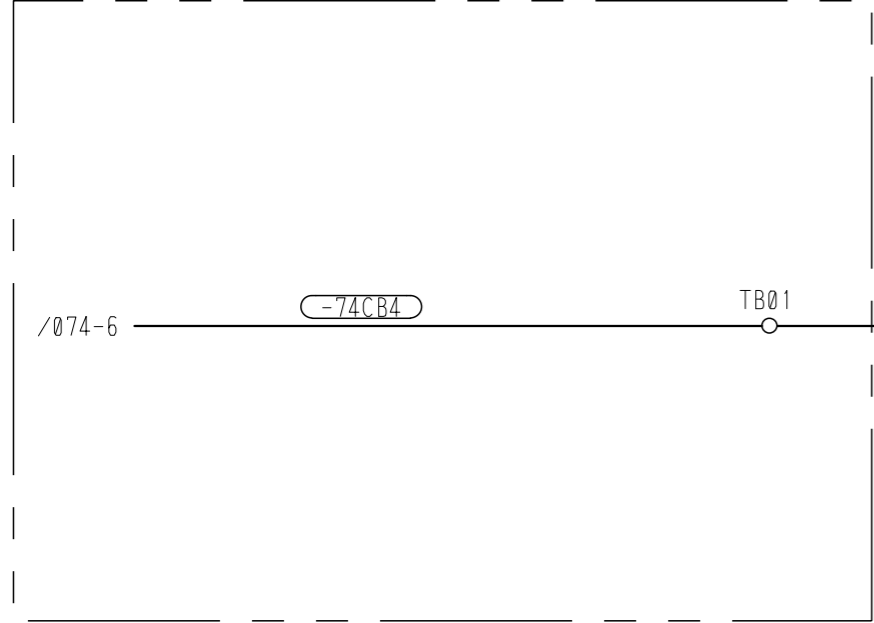
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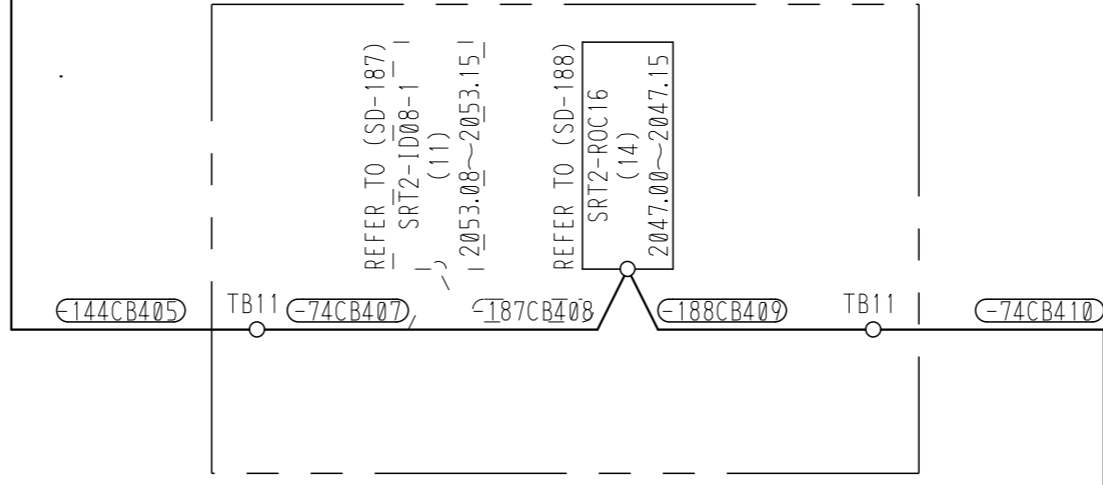
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メイン制御BOX (BC-M)
MAIN CONTROL BOX (BC-M)

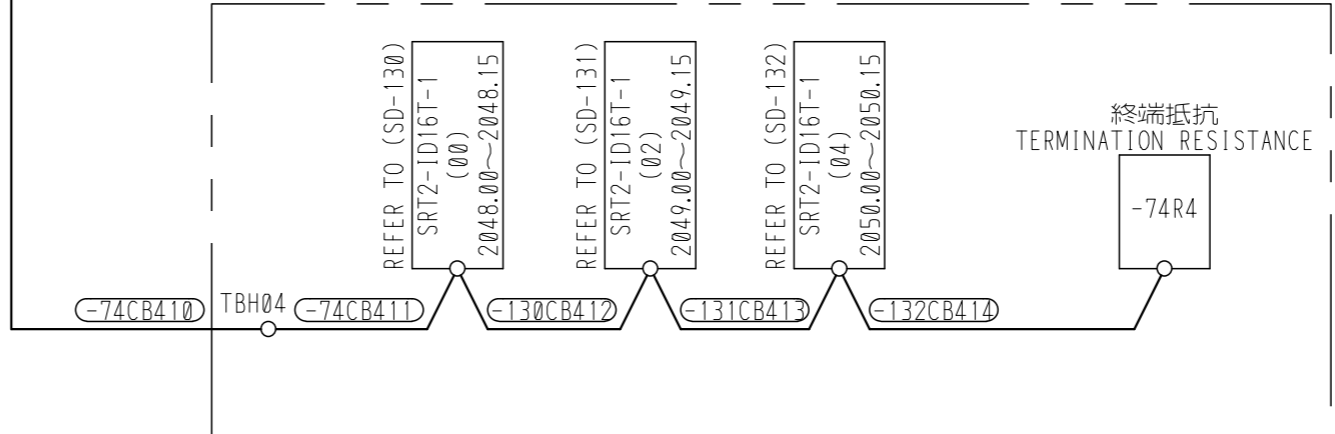
架台内
INSIDE TRESTLE



サブ制御BOX 1
SUB CONTROL BOX 1



中継BOX (JBH03)
JUNCTION BOX (JBH03)



△				△
△				△
△				△
REV.			REV.	

PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	CompoBus/S系統(3/5). Compo Bus/S CIRCUIT SYSTEM(3/5)	SH. NO.
		DWG. NO	18003587-02-SD	098

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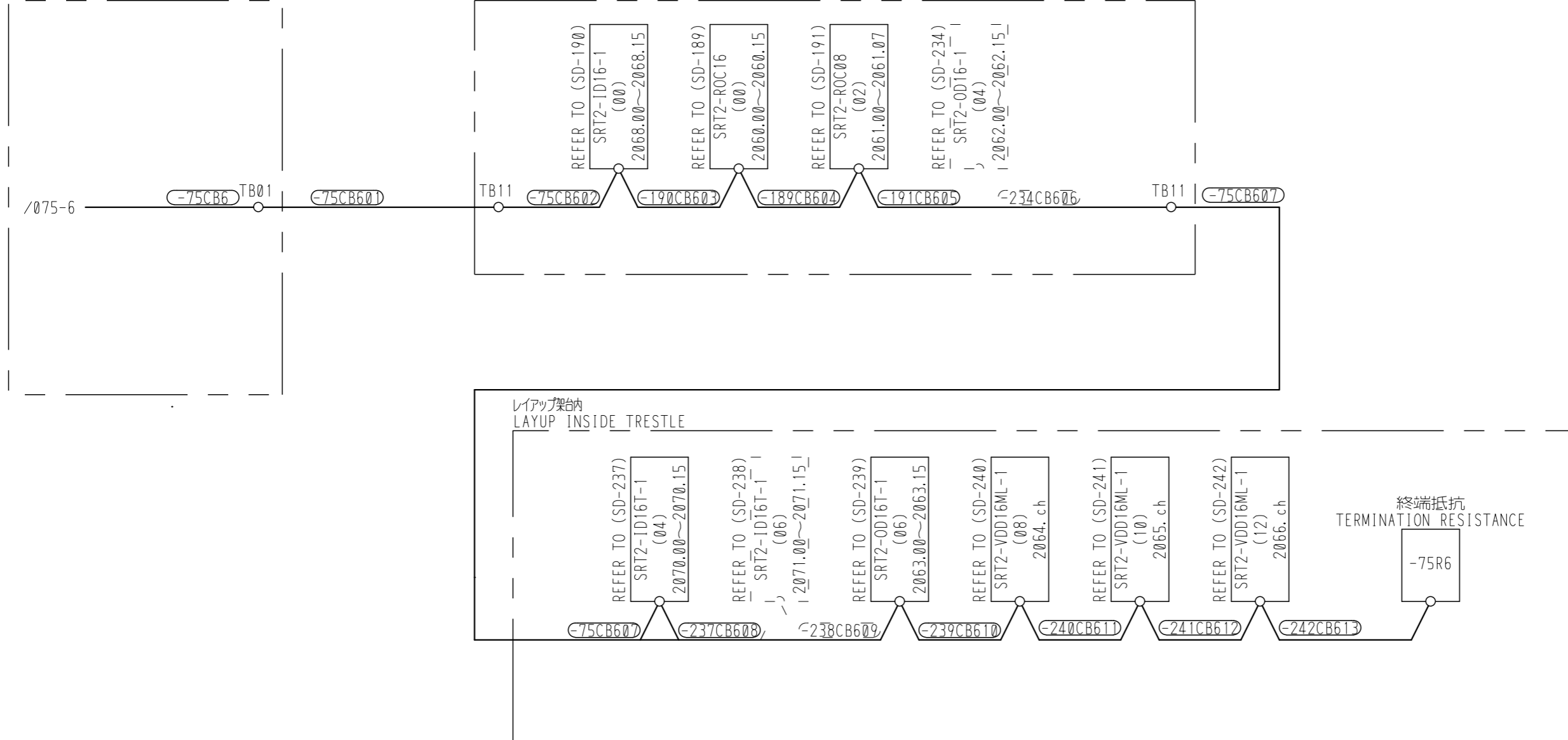
E

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メイン制御BOX (BC-M)
MAIN CONTROL BOX (BC-M)

サブ制御BOX1
SUB CONTROL BOX 1

レイアップ架台内
LAYUP INSIDE TRESTLE



REV.							PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	CompoBus/S系統(4/5). Compo Bus/S CIRCUIT SYSTEM(4/5)	SH. NO.
							NPC Incorporated	DWG. NO	18003587-02-SD	099	

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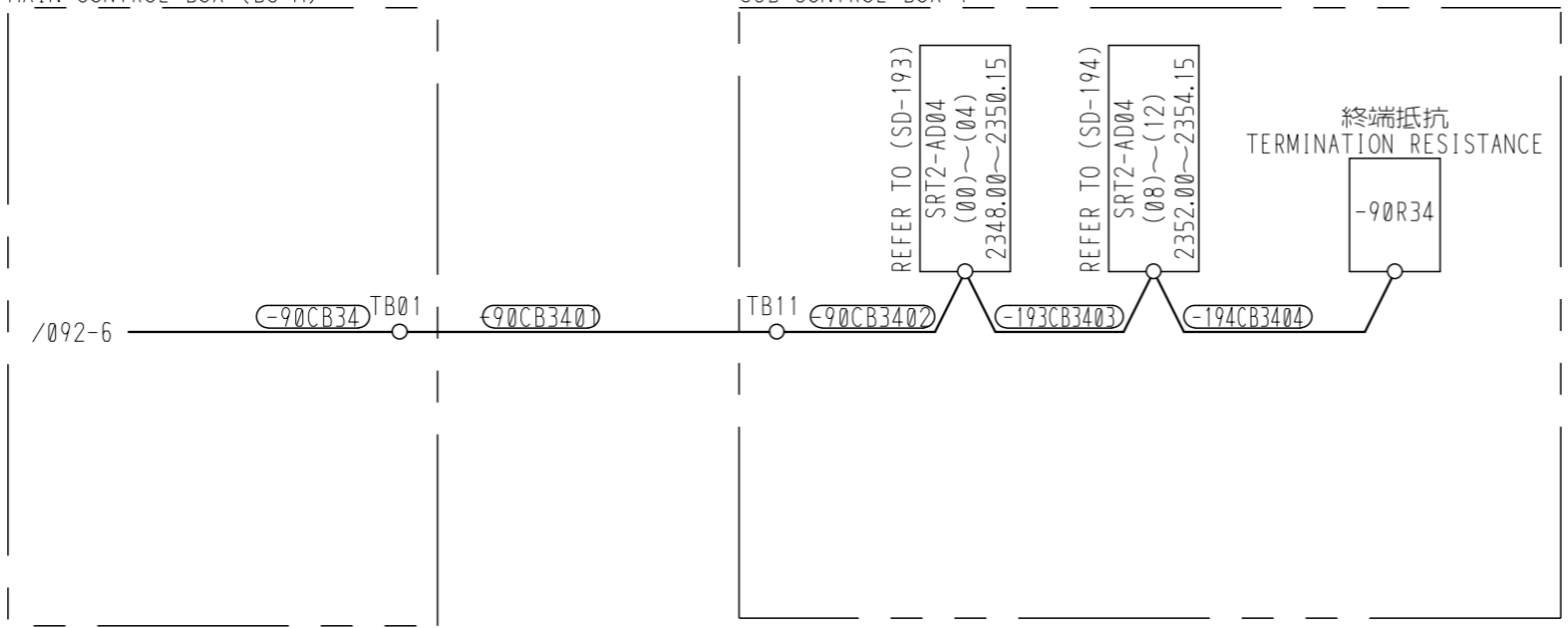
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メイン制御BOX (BC-M)
MAIN CONTROL BOX (BC-M)

サブ制御BOX1
SUB CONTROL BOX 1

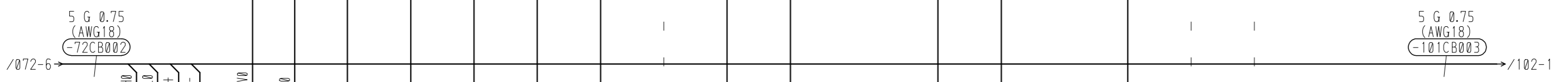
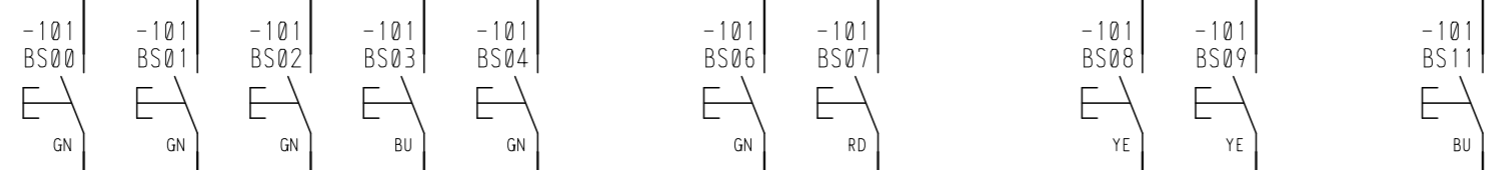
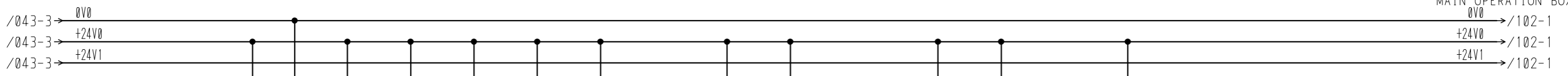


REV.									PRODUCT NO.	メイン制御BOX(BC-M) MAIN CONTROL BOX(BC-M)	TITLE	CompoBus/S系統(5/5). Compo Bus/S CIRCUIT SYSTEM(5/5)	SH. NO.
									NPC Incorporated	DWG. NO	18003587-02-SD	100	

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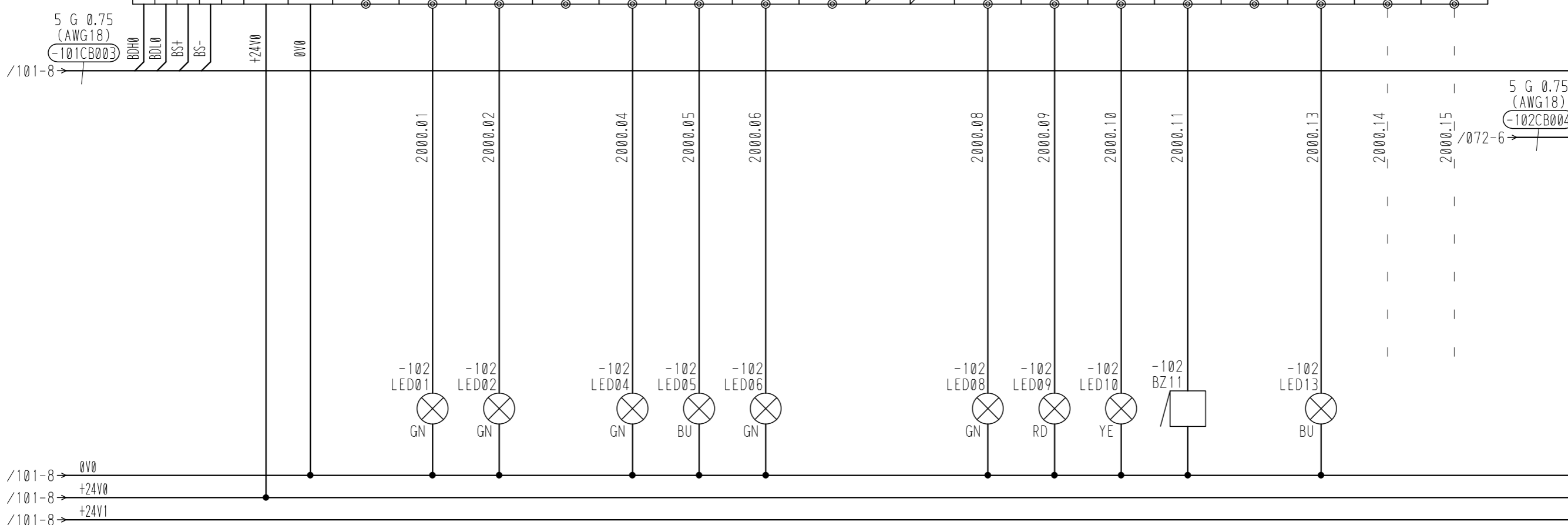
メイン操作BOX
MAIN OPERATION BOX



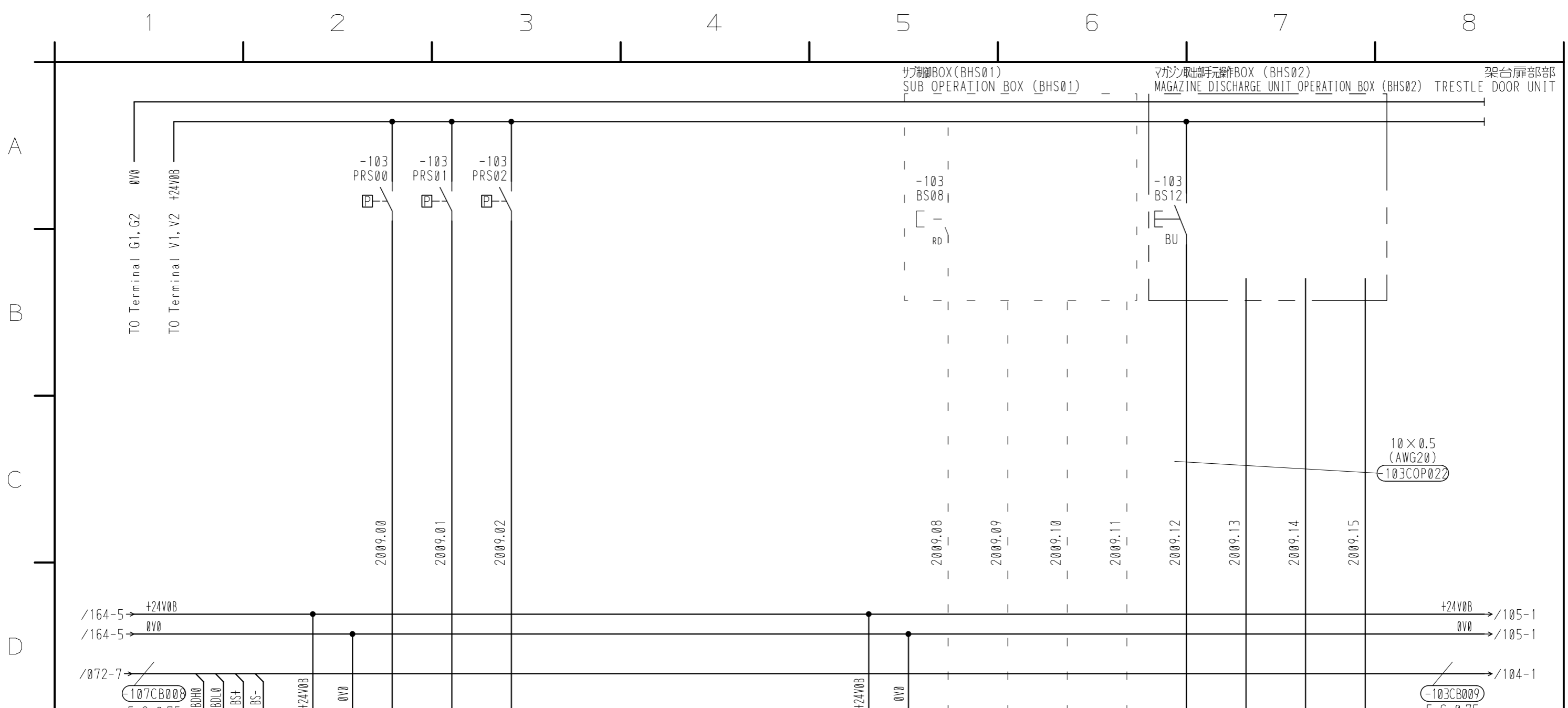
DIGITAL INPUT UNIT	BDH 12	BDH	14	V	
SRT2-ID16-1	BDL 1	BDL	3	G	
MACHINE No.00	BS+ 13	BS+	4	2008.00	ヒーター ON
NODE ADDRESS	BS- 2	BS-	15	2008.01	HEATER ON
COMMENT	ADDRESS PIN		5	2008.02	吸着プロ- ON
			16	2008.03	VACUUM ON
			6	2008.04	自動モード
			17	2008.05	AUTO MODE
			7	2008.06	手動モード
			18	2008.07	MANUAL MODE
			8	2008.08	原点復帰
			19	2008.09	HOMING
			9	2008.10	予備
			20	2008.11	SPARE
			10	2008.12	運転
			21	2008.13	予備
			11	2008.14	SPARE
			22	2008.15	予備
					SPARE

REV.		REV.		PRODUCT NO.	メイン操作BOX(BHM) MAIN OPERATION BOX(BHM)	TITLE	Bus/S入力回路(1/)ID16-1. Compo Bus/S I/O CIRCUIT(1/). ID16-1	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	101

DIGITAL OUTPUT UNIT				PIN	ADDRESS	COMMENT
12	BDH	BDL	00			
1	BDL	00		14	V	
13	BS+			3	G	
2	BS-			4	2000.00	
				15	2000.01	ヒータ ON HEATER ON
				5	2000.02	吸着力ON VACUUM ON
				16	2000.03	
				6	2000.04	自動モード AUTO MODE
				17	2000.05	手動モード MANUAL MODE
				7	2000.06	原点復帰 HOMING
				18	2000.07	
				8	2000.08	運転 RUN
				19	2000.09	サイクル停止 CYCLE STOP
				9	2000.10	リセット RESET
				20	2000.11	ブザー ON BUZZER ON
				10	2000.12	
				21	2000.13	ライン運転 RUN LINE
				11	2000.14	
				22	2000.15	



REV.						PRODUCT NO.	メイン操作BOX(BHM) MAIN OPERATION BOX(BHM)	TITLE	Bus/S出力回路(2/)0016-1. Compo Bus/S I/O CIRCUIT(2/). OD16-1	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	102



DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN	COMMENT
SRT2-ID16T-1	BDH0	BDL0	BS+	BS-	02	V1	V
MACHINE No. 00						G1	G
NODE ADDRESS							
					2009.00		駆動系エア圧検知
					2009.01		DRIVE MAIN AIR PRESSURE SENSOR
					2009.02		吸着系エア圧検知
					2009.03		VACUUM MAIN AIR PRESSURE SENSOR
					2009.04		エアヒーター用エア圧検知
					2009.05		AIR HEATER PRESSURE SENSOR
					2009.06		
					2009.07		
						V2	V
						G2	G
					2009.08		一時停止
					2009.09		PAUSE
					2009.10		予備線
					2009.11		SPARE WIRE
					2009.12		予備線
					2009.13		SPARE WIRE
					2009.14		予備線
					2009.15		SPARE WIRE

REV.		REV.		PRODUCT NO.	装架台内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(3/)ID16T-1. Compo Bus/S I/O CIRCUIT(3/). ID16T-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	103	

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5 G 0.75
(AWG18)

-103CB009

/103-8

4 X 1.5
(4X1.25)

-104CB010

/105-1

+24V0B

0V0

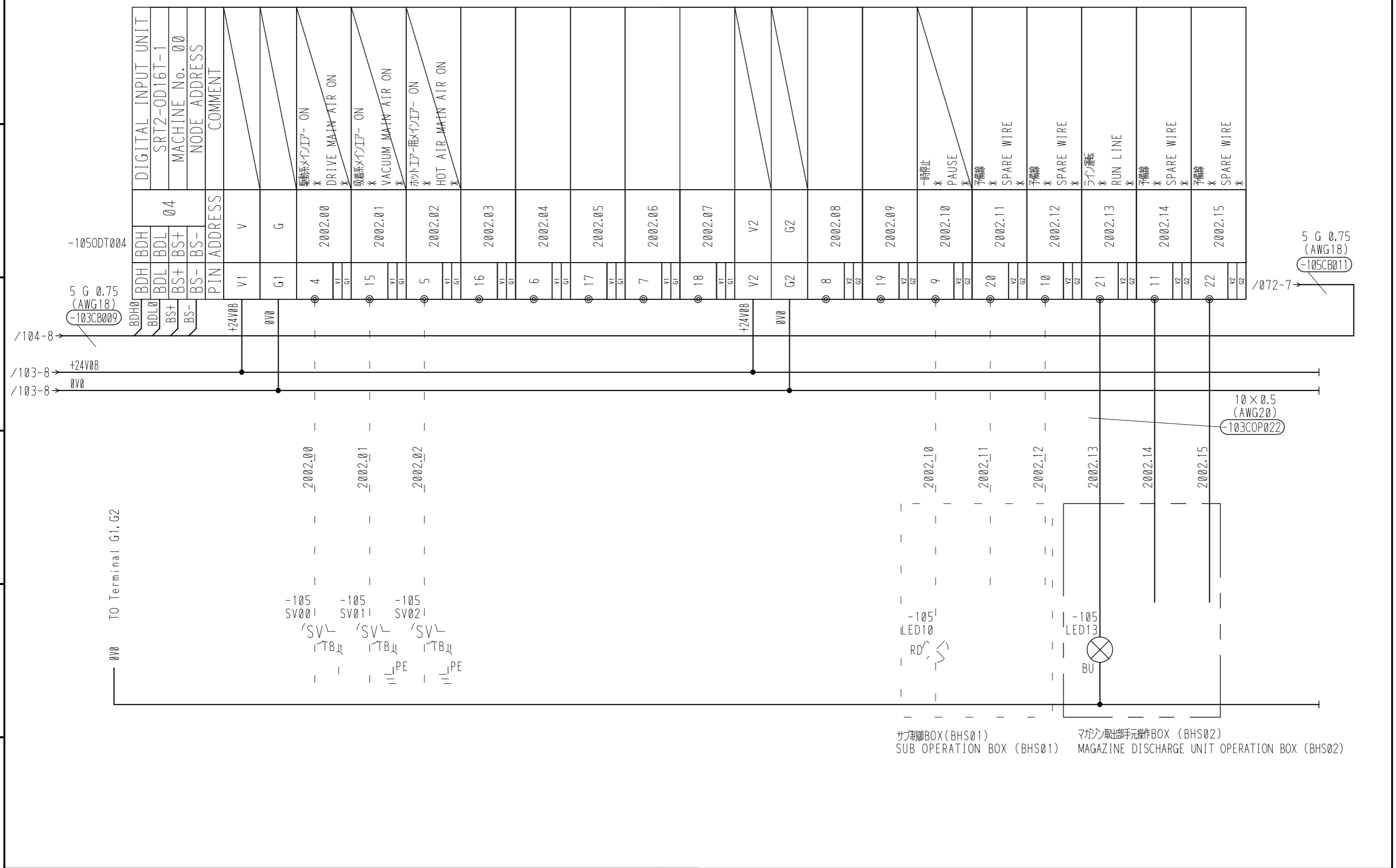
+24V0B

0V0

▲				▲				PRODUCT NO.	装架内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(4/)予備図 Compo Bus/S I/O CIRCUIT(4/). SPARE	SH. NO.
▲				▲				NPC Incorporated	DWG. NO	18003587-02-SD	104	
REV.	▲			REV.	▲							

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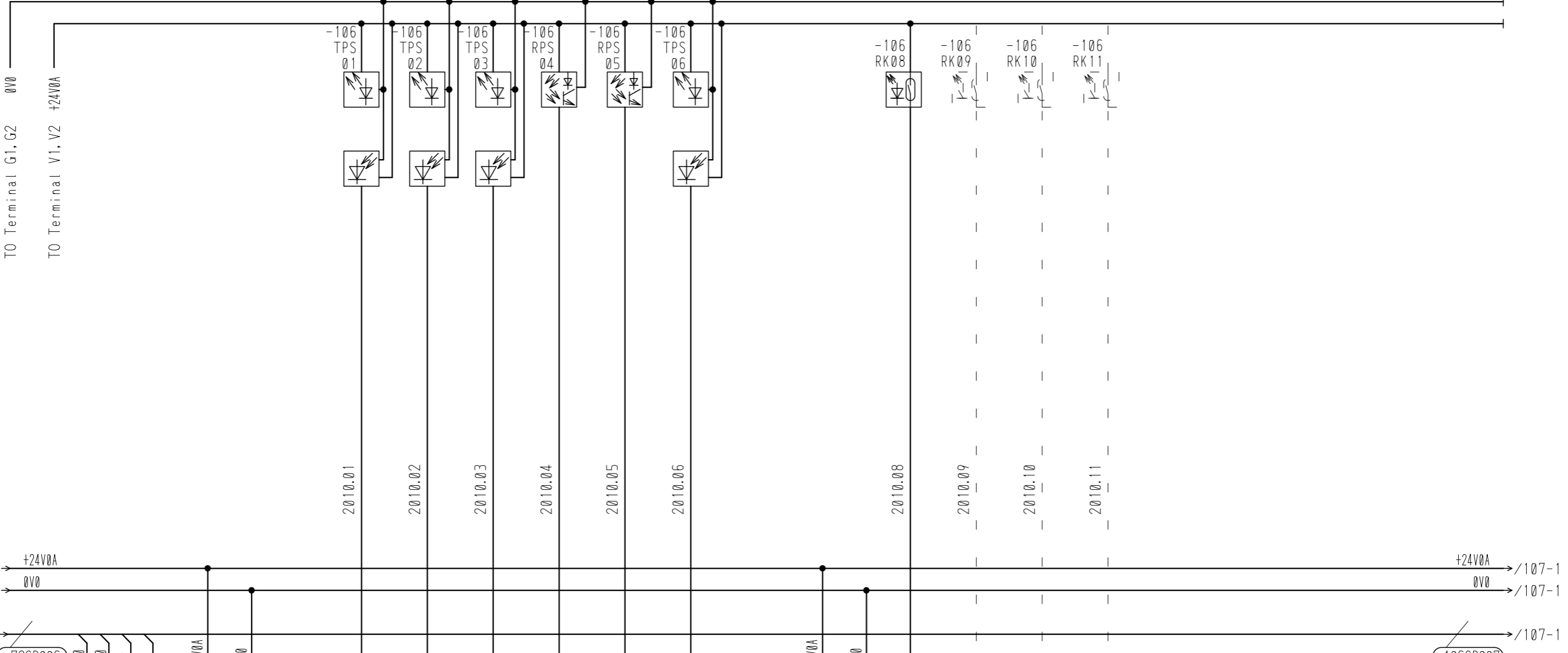
1 2 3 4 5 6 7 8



サブ制御BOX (BHS01) マガジン取出部手元操作BOX (BHS02)
SUB OPERATION BOX (BHS01) MAGAZINE DISCHARGE UNIT OPERATION BOX (BHS02)

REV.		PRODUCT NO.	装置架台内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(5/)OD16T-1. Compo Bus/S I/O CIRCUIT(5/). OD16T-1	SH. NO.	
		NPC Incorporated		DWG. NO	18003587-02-SD	105	

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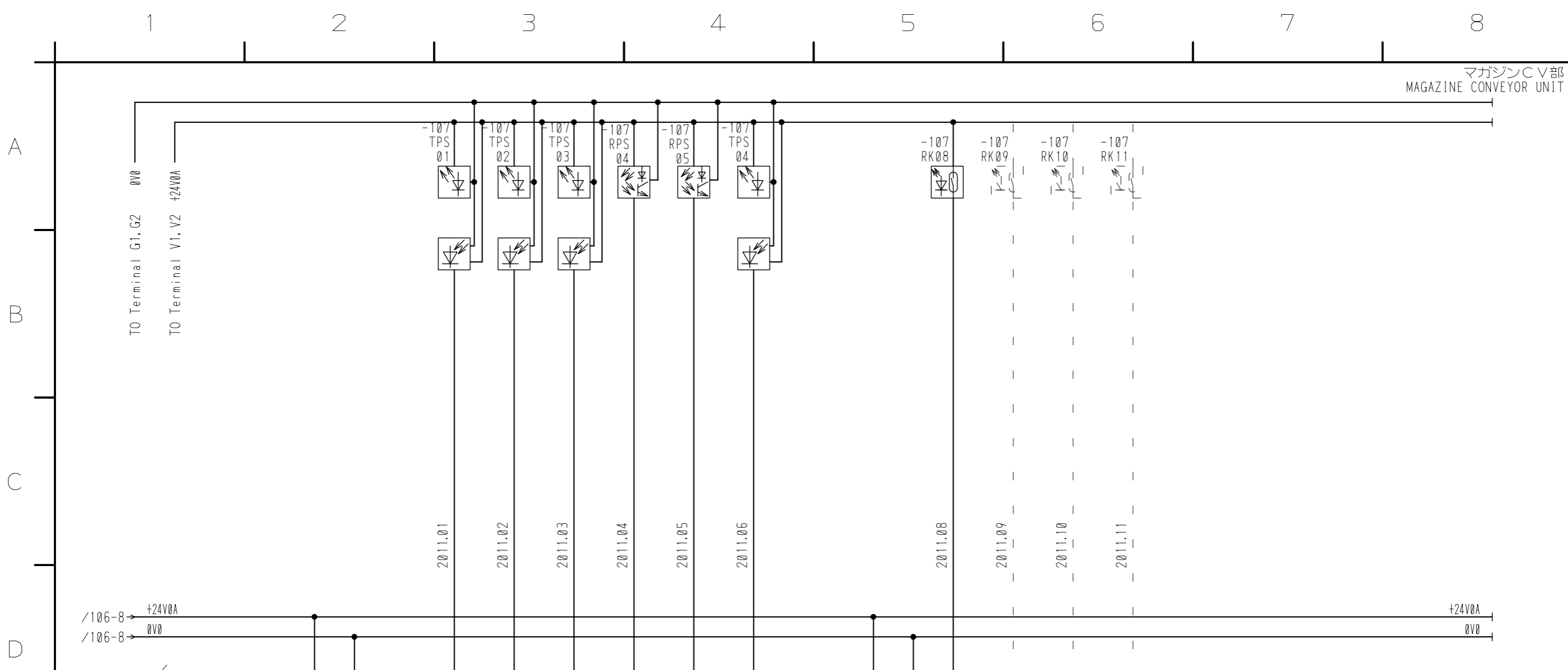
-72CB006
5 G 0.75
(AWG18)

-106CB007
5 G 0.75
(AWG18)

DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SRT2-ID16T-1	BDH	BDL	BS+	BS-	04																	
MACHINE No. 00																						
NODE ADDRESS																						
COMMENT																						
	V	G																				
					2010.00																	
ライン1 セル荷上端マガジン到着検知					2010.01																	
LINE 1 CELL LIFTING UNIT MAGAZINE ARRIVAL SENSOR					2010.02																	
ライン1 マガジン検知					2010.03																	
LINE 1 MAGAZINE FULL SENSOR					2010.04																	
ライン1 セル荷上端 マガジン内セル検知					2010.05																	
LINE 1 CELL LIFTING UNIT MAGAZINE CELL SENSOR					2010.06																	
ライン1 セル荷上端 セルリフター 上限					2010.07																	
LINE 1 CELL LIFTING UNIT CELL LIFTER UPPER LIMIT					2010.08																	
ライン1 セル荷上端 セルリフター 下限					2010.09																	
LINE 1 CELL LIFTING UNIT CELL LIFTER LOWER LIMIT					2010.10																	
ライン1 セル荷上端 セル上面検知					2010.11																	
LINE 1 CELL LIFTING UNIT CELL UPPER SURFACE SENSOR					2010.12																	
ライン1 ストップ 1 上限					2010.13																	
LINE 1 STOPPER 1 UPPER LIMIT					2010.14																	
ライン1 ストップ 1 下限					2010.15																	
LINE 1 STOPPER 1 LOWER LIMIT																						
ライン1 マガジン分離 1 上限																						
LINE 1 MAGAZINE SEPARATION 1 UPPER LIMIT																						
ライン1 マガジン分離 1 下限																						
LINE 1 MAGAZINE SEPARATION 1 LOWER LIMIT																						

REV.		PRODUCT NO.	精製台内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(6/)ID16T-1. Compo Bus/S I/O CIRCUIT(6/) ID16T-1	SH. NO.	106
		NPC Incorporated		DWG. NO	18003587-02-SD		

マガジンCV部
MAGAZINE CONVEYOR UNIT



DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN	0	1	2	3	4	5	6	7	V	G	8	9	10	11	12	13	14	15
SRT2-ID16T-1	BDH0	BDL0	BS+	BS-	06																			
MACHINE No. 00																								
NODE ADDRESS																								
COMMENT																								
					V																			
					G																			
							2011.00																	
ライン2 セル前上部マガジン到着検知 *																								
LINE 2 CELL LIFTING UNIT MAGAZINE ARRIVAL SENSOR							2011.01																	
ライン2 マガジン満検知 *																								
LINE 2 MAGAZINE FULL SENSOR							2011.02																	
ライン2 セル前上部 マガジン内セル検知 *																								
LINE 2 CELL LIFTING UNIT MAGAZINE CELL SENSOR							2011.03																	
ライン2 セル前上部 セルリフトア- 上限 *																								
LINE 2 CELL LIFTING UNIT CELL LIFTER UPPER LIMIT							2011.04																	
ライン2 セル前上部 セルリフトア- 下限 *																								
LINE 2 CELL LIFTING UNIT CELL LIFTER LOWER LIMIT							2011.05																	
ライン2 セル前上部 セル上面検知 *																								
LINE 2 CELL LIFTING UNIT CELL UPPER SURFACE SENSOR							2011.06																	
					V		2011.07																	
					G																			
ライン2 ストップア-2 上限 *																								
LINE 2 STOPPER 2 UPPER LIMIT							2011.08																	
ライン2 ストップア-2 下限 *																								
LINE 2 STOPPER 2 LOWER LIMIT							2011.09																	
ライン2 マガジン分離2 上限 *																								
LINE 2 MAGAZINE SEPARATION 2 UPPER LIMIT							2011.10																	
ライン2 マガジン分離2 下限 *																								
LINE 2 MAGAZINE SEPARATION 2 LOWER LIMIT							2011.11																	
							2011.12																	
							2011.13																	
							2011.14																	
							2011.15																	

-106CB007
5 G 0.75
(AWG18)
-107IDT006

-107CB008
5 G 0.75
(AWG18)

REV.		REV.		PRODUCT NO.	精製台内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(7/)ID16T-1. Compo Bus/S I/O CIRCUIT(7/). ID16T-1	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	107

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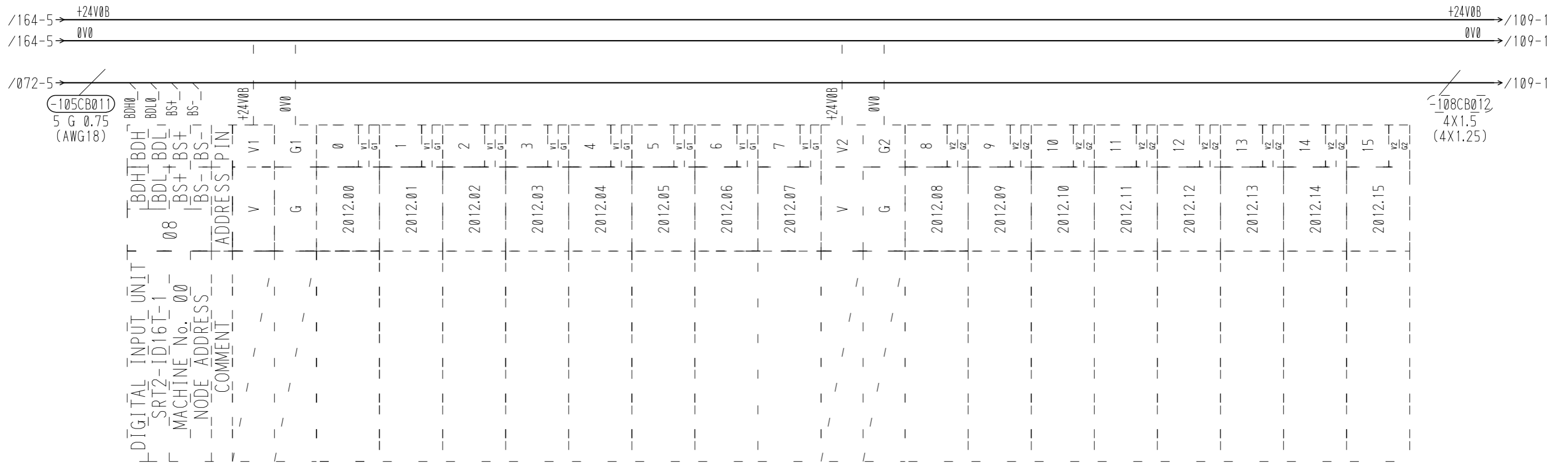
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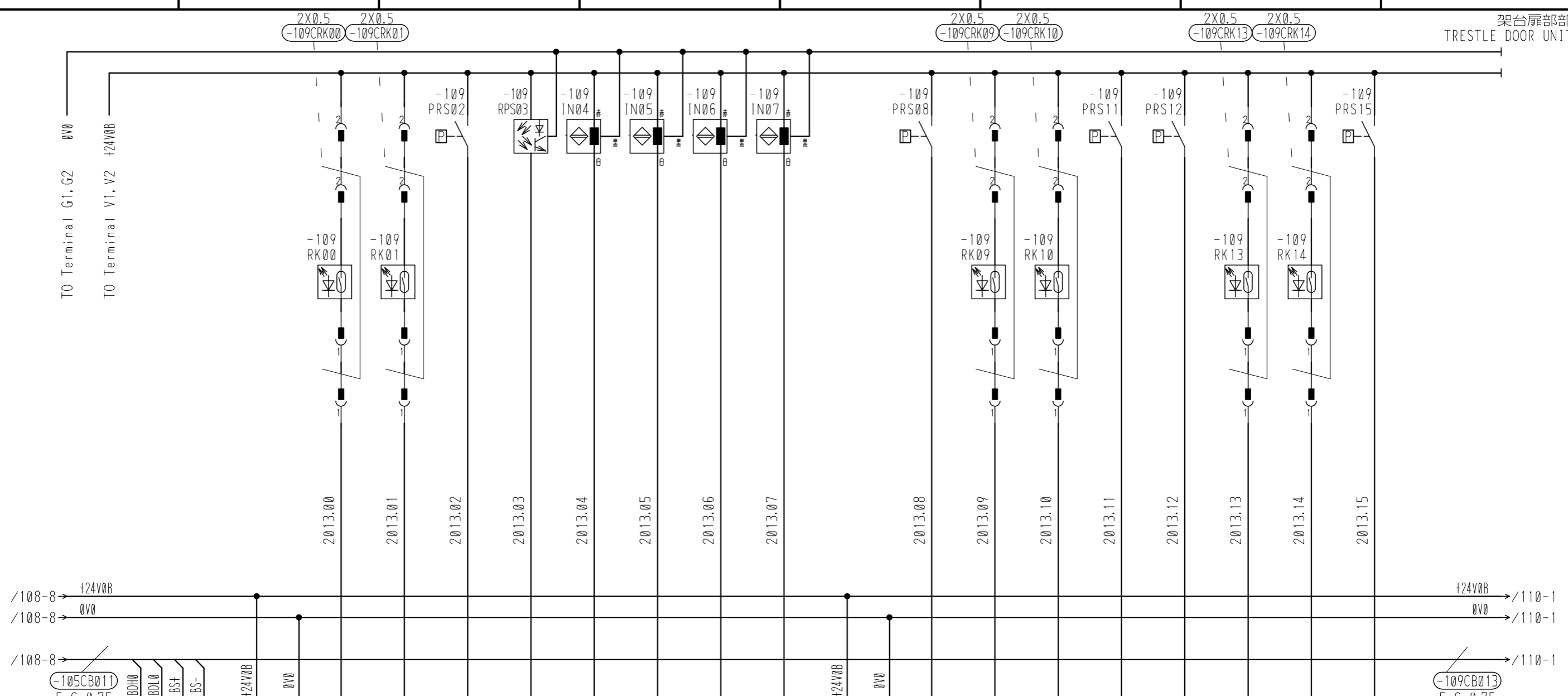


REV.						PRODUCT NO.	装架内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(8/)予備図 Compo Bus/S I/O CIRCUIT(8/).SPARE	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	108

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架台扉部部
TRESTLE DOOR UNIT



-105CB011
5 G 0.75
(AWG18)

-109CB013
5 G 0.75
(AWG18)

DIGITAL INPUT UNIT		BDH	BDL	BS+	BS-	ADDRESS	PIN	COMMENT
SRT2-ID16T-1		BDH	BDL	BS+	BS-	10	V1	
MACHINE No. 00		BDH	BDL	BS+	BS-		G1	
NODE ADDRESS		BDH	BDL	BS+	BS-			
COMMENT		BDH	BDL	BS+	BS-			
CELL FEED TRANSFER HEAD LOWER LIMIT		2013.00						
CELL FEED TRANSFER HEAD UPPER LIMIT		2013.01						
CELL FEED TRANSFER HEAD VACUUM SENSOR		2013.02						
REJECT TRAY CELL SENSOR 1 FOR CHIP		2013.03						
FLUX TANK REMAINING AMOUNT (LIMIT) SENSOR (UPSTREAM SIDE)		2013.04						
FLUX TANK SHORTAGE SENSOR (UPSTREAM SIDE)		2013.05						
FLUX TANK REMAINING AMOUNT (LIMIT) SENSOR (DOWNSTREAM SIDE)		2013.06						
FLUX TANK SHORTAGE SENSOR (DOWNSTREAM SIDE)		2013.07						
CELL ALIGNMENT TABLE VACUUM SENSOR		2013.08						
CELL FEED TRANSFER HEAD 1 LOWER LIMIT		2013.09						
CELL FEED TRANSFER HEAD 1 UPPER LIMIT		2013.10						
CELL FEED TRANSFER HEAD 1 VACUUM SENSOR		2013.11						
FLUX APPLICATION TABLE VACUUM SENSOR		2013.12						
CELL FEED TRANSFER HEAD 2 LOWER LIMIT		2013.13						
CELL FEED TRANSFER HEAD 2 UPPER LIMIT		2013.14						
CELL FEED TRANSFER HEAD 2 VACUUM SENSOR		2013.15						

REV.		REV.		PRODUCT NO.	109	TITLE	Bus/S入出力回路(9/)ID16T-1. Compo Bus/S I/O CIRCUIT(9/). ID16T-1	SH. NO.	109
				MACHINE TRESTLE		DWG. NO	18003587-02-SD		
				NPC Incorporated					

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T0 Terminal G1, G2 0V0

T0 Terminal V1, V2 +24V0B

/109-8 +24V0B /111-1
/109-8 0V0 /111-1

/109-8 /111-1
-109CB013 5 G 0.75 (AWG18)
-110CB014 4x1.5 (4x1.25)

DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	V	G		V	G																	
SRT2-ID16T-1	BDH	BDL	BS+	BS-	ADDRESS	V	G	2014.00	2014.01	2014.02	2014.03	2014.04	2014.05	2014.06	2014.07	V2	G2	2014.08	2014.09	2014.10	2014.11	2014.12	2014.13	2014.14	2014.15		
12																											
MACHINE No. 00																											
NODE ADDRESS																											
COMMENT																											

REV.			REV.		PRODUCT NO.	装架内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(10/)予備図 Compo Bus/S I/O CIRCUIT(10/). SPARE	SH. NO.
					 NPC Incorporated	DWG. NO	18003587-02-SD	110	

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				PRODUCT NO.	装架台内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(11/)予備図 Compo Bus/S I/O CIRCUIT(11/), SPARE	SH. NO.
REV.			REV.	NPC Incorporated		DWG. NO	18003587-02-SD	111

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DIGITAL INPUT UNIT
 SRT2-0D16T-1
 MACHINE No. 00
 NODE ADDRESS
 COMMENT

BDH0 BDH BDH
 BDL0 BDL BDL 06
 BS+ BS+ BS+
 BS- BS- BS-
 PIN ADDRESS
 V1 V G
 0V0

2003.00

2003.01

2003.02

2003.03

2003.04

2003.05

2003.06

2003.07

V2 V2

G2 G2

2003.08

2003.09

2003.10

2003.11

2003.12

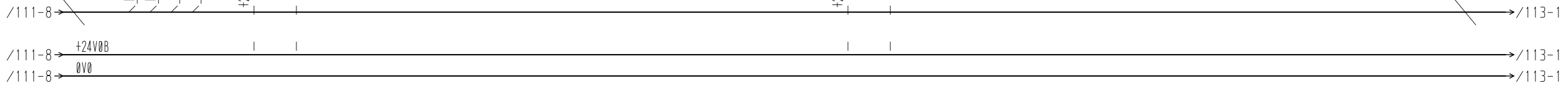
2003.13

2003.14

2003.15

4X1.5
 (4X1.25)
 -111CB015

4X1.5
 (4X1.25)
 -112CB016

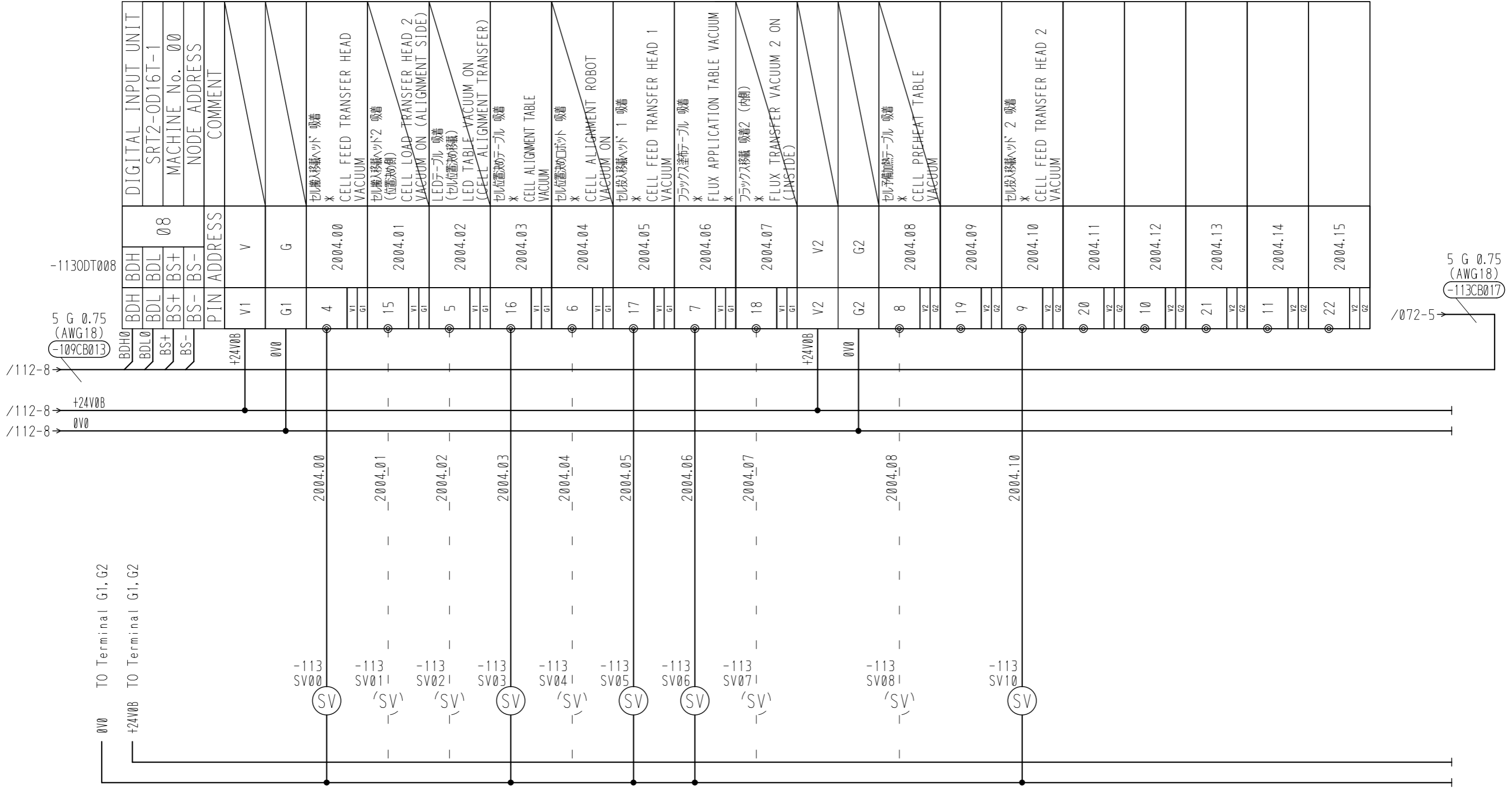


- 0V0 TO Terminal G1, G2
 +24V0B TO Terminal G1, G2

REV.									PRODUCT NO.	装架台内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(12/)予備図 Compo Bus/S I/O CIRCUIT(12/). SPARE	SH. NO.
									NPC Incorporated	DWG. NO	18003587-02-SD	112	

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REV.		REV.		PRODUCT NO.	装架台内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(13/)OD16T-1. Compo Bus/S I/O CIRCUIT(13/). OD16T-1	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	113

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-114VOD010

SRT2-VOD16ML-1
MACHINE No.00
NODE ADDRESS
BDH BDL BS+ BS- 10
24V 0V FG

MANIFOLD NO.	
PORT	ADDRESS
A	2005.00
B	2005.01
A	2005.02
B	2005.03

セル投入稼働下 * CELL DISCHARGE TRANSFER DOWN
セル投入稼働上 * *** UP
セル投入稼働下 * CELL FEED TRANSFER DOWN
セル投入稼働上 * *** UP

5 G 0.75 (AWG18) (-113CB017)

/072-7
/164-5 +24V2
/164-5 0V0

BDH BDL BS+ BS- +24V2 0V FG

5 G 0.75 (AWG18) (-114CB018)

/115-1
/115-1
/115-1

0V0 IN MANIFOLD

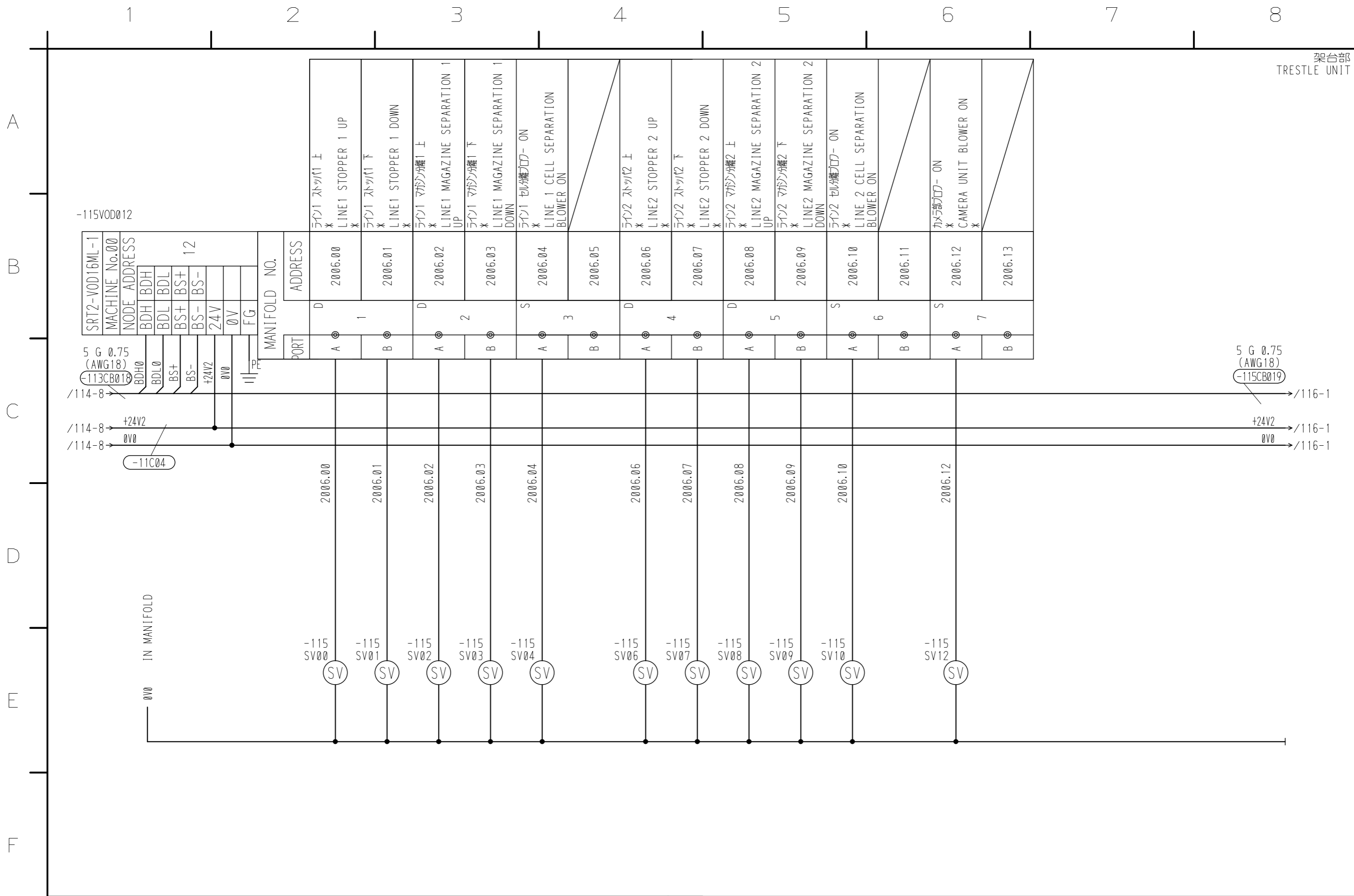
-114 SV00

(SV)

-114 SV02

(SV)

REV.								PRODUCT NO.	装置架内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(14/)予備図 Compo Bus/S I/O CIRCUIT(14/). SPARE	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	114



REV.		REV.		PRODUCT NO.	装着架台内電磁弁部 MACHINE TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(15/)VDD16ML-1. Compo Bus/S I/O CIRCUIT(15/). SRT2-VDD16ML-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	115	

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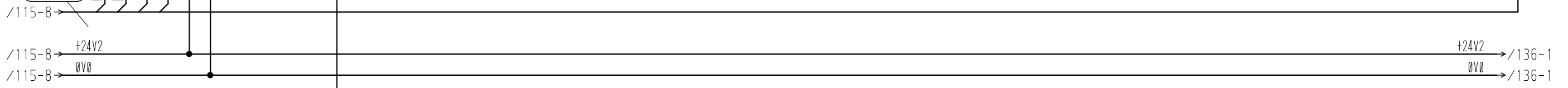
-116VOD014

SRT2-VOD16ML-1															
MACHINE No.00															
NODE ADDRESS	14														
BDH	BDL	BS+	BS-	24V	0V	FG									
MANIFOLD NO.							ADDRESS								
PORT							S	2007.00							
							1	2007.01							

CV部への接続
CONVEYOR UNIT PLATE COOLING
XXX

5 G 0.75 (AWG18)
-115CB019

5 G 0.75 (AWG18)
-116CB020



IN MANIFOLD

-116 SV00

SV

2007.00

REV.	▲																		
	▲																		
	▲																		
	▲																		

PRODUCT NO.	装置架台内電磁弁部 MACHINE TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(16/)セル供給部(14/). Compo Bus/S I/O CIRCUIT(16/). CELL FEED PART(14/)	SH. NO.
	NPC Incorporated		DWG. NO	18003587-02-SD
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REV.	▲				▲				PRODUCT NO.	装置架内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(17/)予備図 Compo Bus/S I/O CIRCUIT(17/) SPARE	SH. NO.
	▲				▲				 NPC Incorporated	DWG. NO	18003587-02-SD	117	
	▲				▲								

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REV.	▲				▲				PRODUCT NO.	装置架内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(18/)予備図 Compo Bus/S I/O CIRCUIT(18/) SPARE	SH. NO.
	▲				▲				 NPC Incorporated	DWG. NO	18003587-02-SD	118	
	▲				▲								

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△				△				PRODUCT NO.	装架内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(19/)予備図 Compo Bus/S I/O CIRCUIT(19/) SPARE	SH. NO.
△				△				 NPC Incorporated	DWG. NO	18003587-02-SD	119	
REV. △				REV. △								

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									PRODUCT NO.	装架内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(20/)予備図 Compo Bus/S I/O CIRCUIT(20/) SPARE	SH. NO.	
REV.				REV.					 NPC Incorporated	DWG. NO	18003587-02-SD	120		

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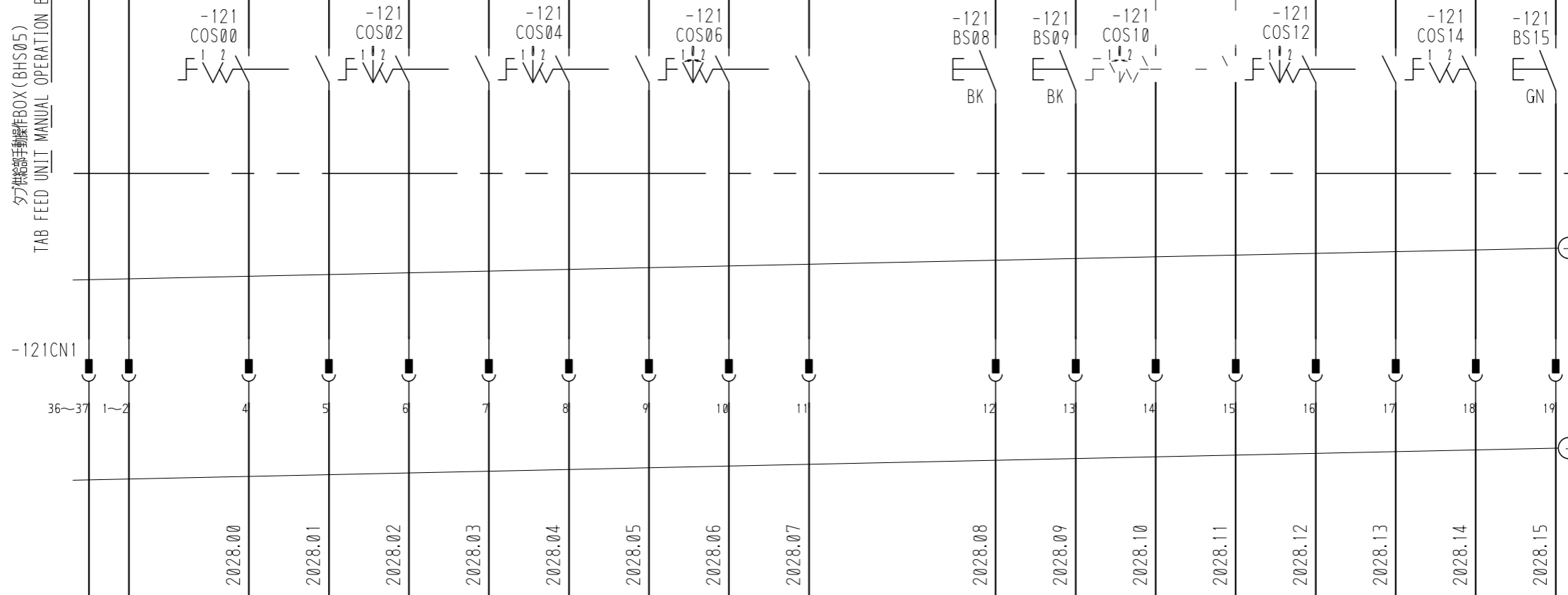
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タブ供給手動操作BOX (BHS05)
TAB FEED UNIT MANUAL OPERATION BOX (BHS05)

架台扉部部
TRESTLE DOOR UNIT



36X0.2
-121COP0331

36X0.2
-121COP033

-121CB20
5 G 0.75
(AWG18)

/011-3 +24V0
/011-3 0V0
/073-5
-73CB2
5 G 0.75
(AWG18)
-121D200

+24V0 /122-1
0V0 /122-1
/122-1

DIGITAL INPUT UNIT	BDH	BDH	BDL	BDL	BS+	BS+	BS-	BS-	ADDRESS	PIN	COMMENT
SRT2-ID16-1	BDH	BDH	BDL	BDL	BS+	BS+	BS-	BS-	00	V	
MACHINE No. 02	BDH	BDH	BDL	BDL	BS+	BS+	BS-	BS-	00	G	
NODE ADDRESS	BDH	BDH	BDL	BDL	BS+	BS+	BS-	BS-	00		
TAB FEED LINE SELECT SINGLE									2028.00	4	供給ライン選択 単独
TAB FEED LINE SELECT SYNCHRONIZE									2028.01	15	供給ライン選択 連動
TAB FEED LINE SELECT LEFT TAB									2028.02	5	供給ライン選択 左タブ
TAB FEED LINE SELECT RIGHT TAB									2028.03	16	供給ライン選択 右タブ
TAB SELECT FIRST TAB									2028.04	6	タブ選択 先頭タブ
TAB SELECT LAST TAB									2028.05	17	タブ選択 末尾タブ
TAB LOCK OPEN									2028.06	7	タブロック 開
TAB LOCK CLOSE									2028.07	18	タブロック 閉
TAB CUT ON									2028.08	8	タブカット 切
TAB SENDER ROLLER ON									2028.09	19	タブ送りローラー ON
TAB FEED FWD									2028.10	9	タブ送り 前
TAB FEED BWD									2028.11	20	タブ送り 後
TAB SENDER MODE SELECT STEP									2028.12	10	タブ送り動作選択 ステップ
TAB SENDER MODE SELECT CYCLE									2028.13	21	タブ送り動作選択 サイクル
TAB FEED SERVO SHUNT POSITION									2028.14	11	タブ供給カーボ 戻り位置
TAB SENDER STEP/CYCLE START									2028.15	22	タブ送り ステップ/サイクル スタート

REV.		REV.		PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	Bus/S入出力回路(21/)ID16-1. Compo Bus/S I/O CIRCUIT(21/) ID16-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	121	

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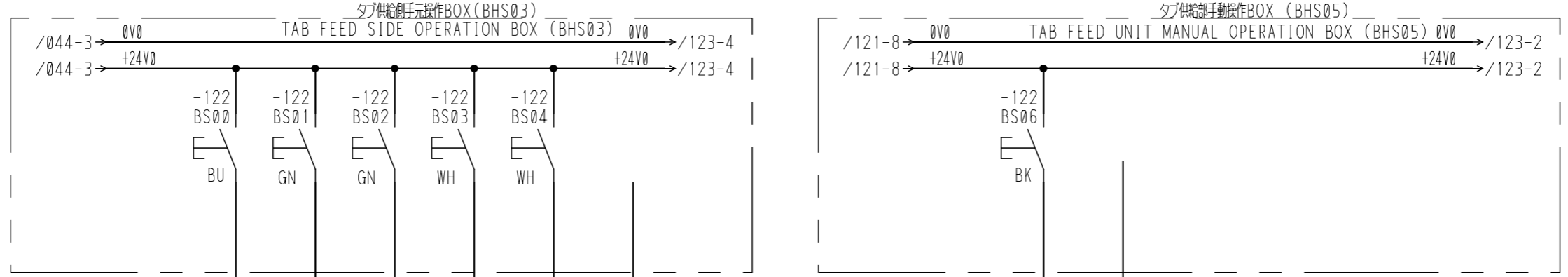
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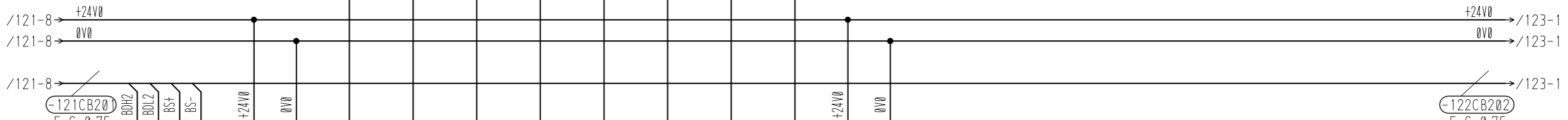
架台扉部部
TRESTLE DOOR UNIT



14 X 0.25 (AWG23)
-122COP032

36X0.2
-121COP0331

36X0.2
-121COP033



-121CB20
5 G 0.75 (AWG18)
-1221D202

-122CB202
5 G 0.75 (AWG18)

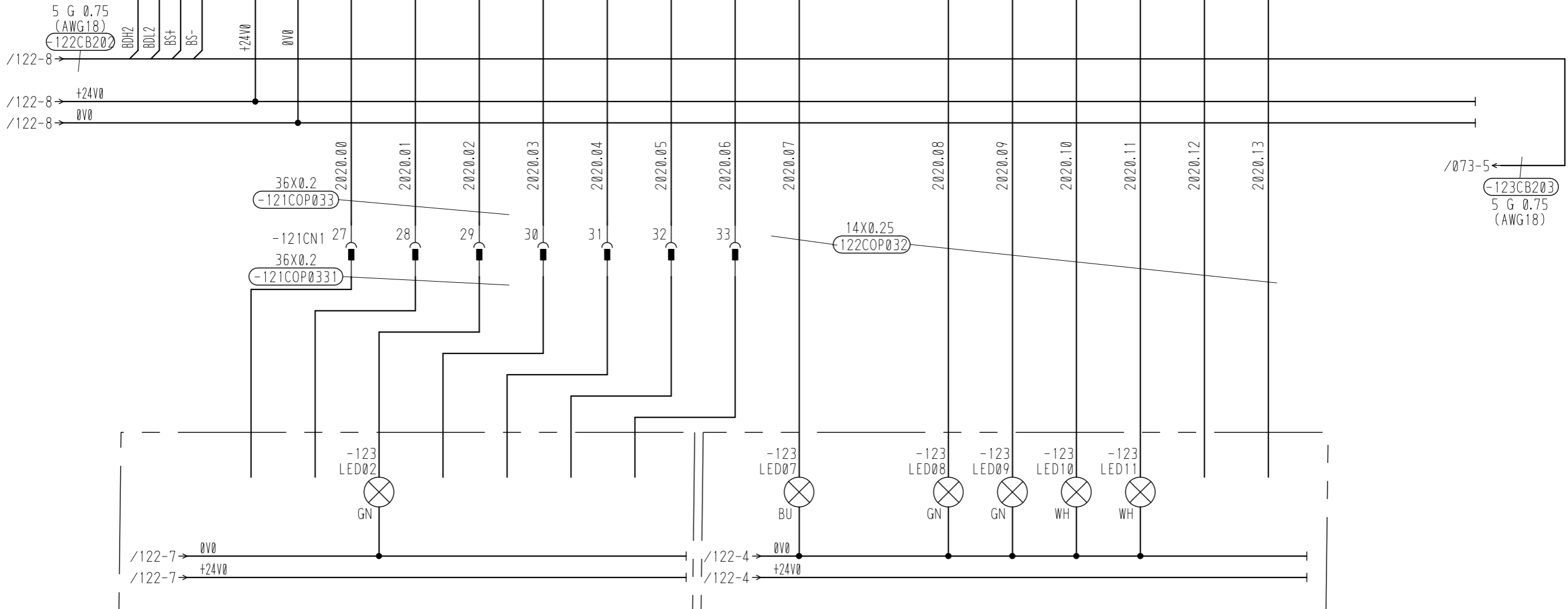
DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN	COMMENT
SRT2-ID08-1	9	1	10	2	02	11	V
MACHINE No.02						3	G
NO. ADDRESS						4	2029.00
TAB EXCHANGE MODE						12	2029.01
TAB EXCHANGE START						5	2029.02
TAB LOCK OPEN						13	2029.03
TAB LOCK CLOSE						6	2029.04
DOOR SWITCH 4 DISABLE						14	2029.05
TAB SENDER MOTION ENABLE						7	2029.06
						15	2029.07
						8	V
						16	G

REV.		REV.		PRODUCT NO.	MAIN CONTROL BOX(BC-M)	TITLE	Bus/S入出力回路(22/)ID16-1. Compo Bus/S I/O CIRCUIT(22/) ID16-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	122	

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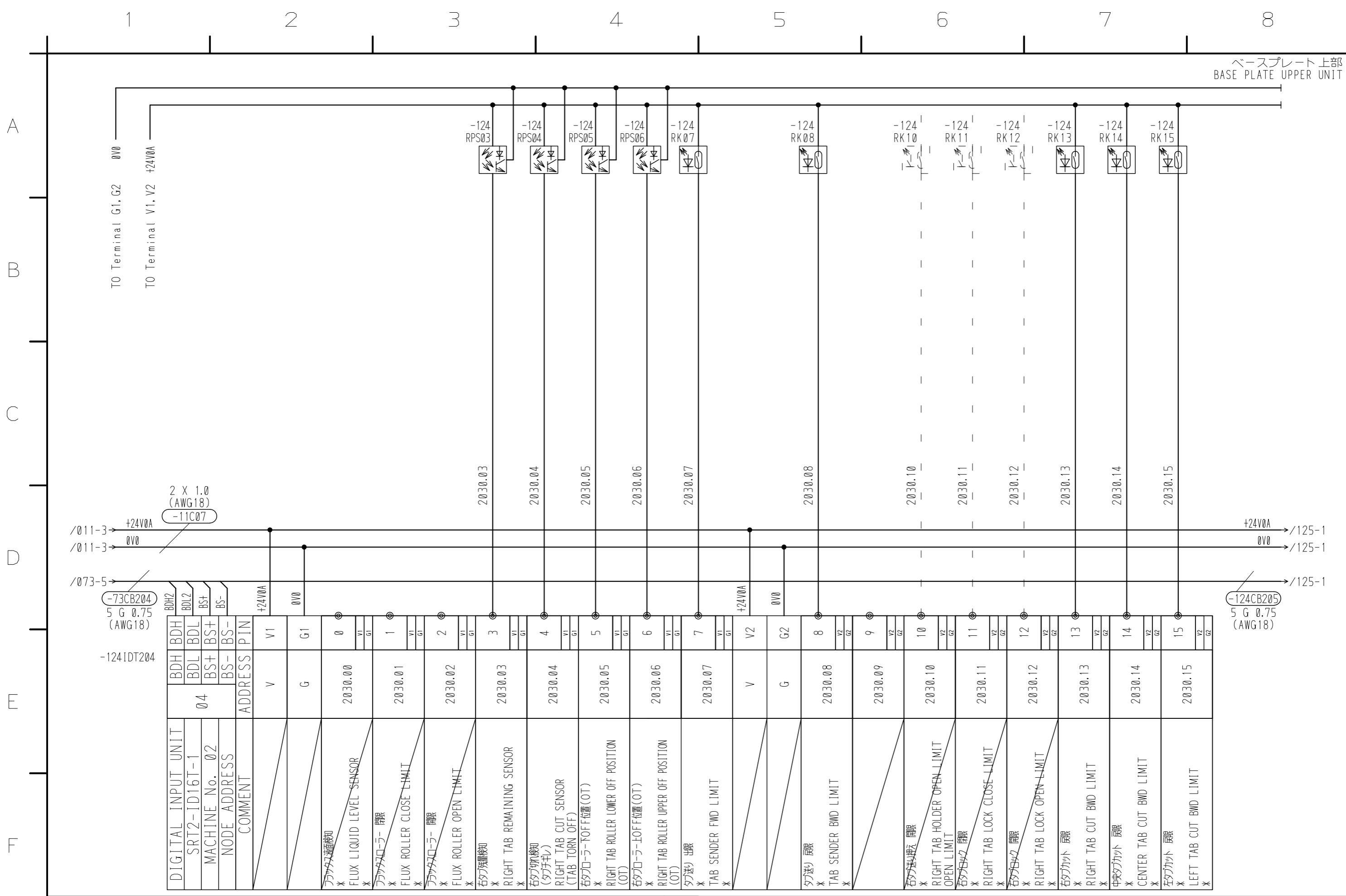
DIGITAL OUTPUT UNIT		BDH	PIN ADDRESS	COMMENT
1	2			
SRT2-OD16-1	00	12	V	
MACHINE No.02		1	G	
NODE ADDRESS		13	2020.00	
		2	2020.01	
		14	2020.02	夕送り ストップ/サイクルスタート
		15	2020.03	TAB SEND STEP / CYCLE START
		16	2020.04	
		17	2020.05	
		18	2020.06	
		19	2020.07	夕交換モード
		20	2020.08	TAB EXCHANGE MODE
		21	2020.09	
		22	2020.10	夕供給ユニット 原点復帰
		23	2020.11	TAB FEED UNIT HOMING
		24	2020.12	夕交換 スタート
		25	2020.13	TAB EXCHANGE START
		26	2020.14	夕ロック 開
		27	2020.15	TAB LOCK OPEN
		28	2020.16	夕ロック 閉
		29	2020.17	TAB LOCK CLOSE
		30	2020.18	
		31	2020.19	
		32	2020.20	
		33	2020.21	
		34	2020.22	



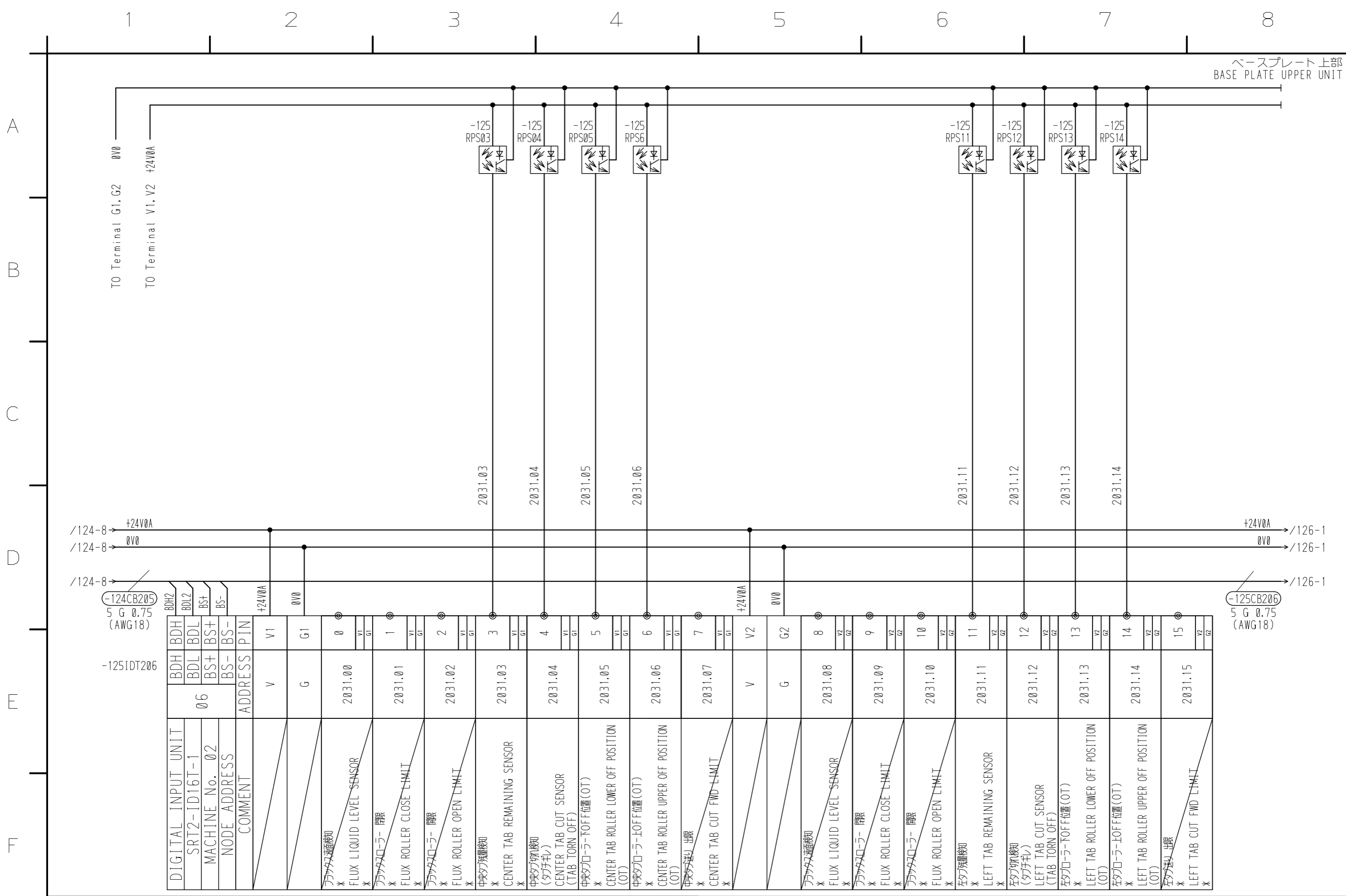
夕供給側手動操作BOX (BHS05)
TAB FEED UNIT MANUAL OPERATION BOX (BHS05)

夕供給側手動操作BOX (BHS03)
TAB FEED SIDE OPERATION BOX (BHS03)

REV.		REV.		PRODUCT NO.	メイン制御BOX (BC-M) MAIN CONTROL BOX (BC-M)	TITLE	Bus/S入出力回路(23/)OD16-1. Compo Bus/S I/O CIRCUIT(23/) OD16-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	123	



REV.		REV.		PRODUCT NO.	タフ機部(上ユニット) RIGHT TAB FEED PART (UPPER UNIT)	TITLE	Bus/S入出力回路(24/)ID16T-1. Compo Bus/S I/O CIRCUIT(24/) ID16T-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	124	



REV.		REV.		PRODUCT NO.	タブ供給部(上ユニット) RIGHT TAB FEED PART (UPPER UNIT)	TITLE	Bus/S入出力回路(25/)ID16T-1. Compo Bus/S I/O CIRCUIT(25/) ID16T-1	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	125

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0V0

+24V0A

0V0

TO Terminal G1, G2

+24V0A

TO Terminal V1, V2

+24V0A

0V0

/125-8 → +24V0A

/125-8 → 0V0

/125-8 →

-125CB206

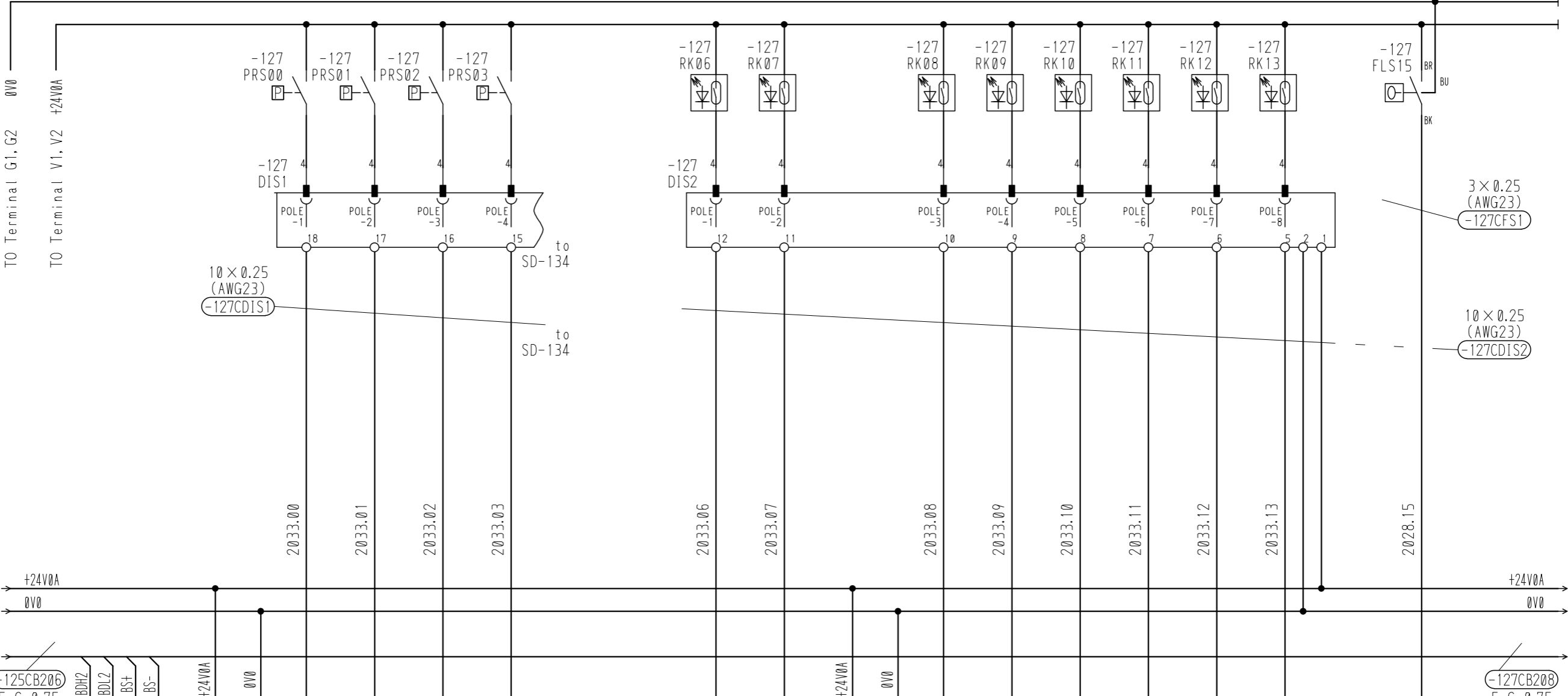
5 G 0.75
(AWG18)

/073-6 →

-126CB207
4X1.5
(4X1.25)

△				△				PRODUCT NO.	タフ機部 (上ユニット) RIGHT TAB FEED PART (UPPER UNIT)	TITLE	Bus/S入出力回路 (26/) ID16T-1. Compo Bus/S I/O CIRCUIT (26/) ID16T-1	SH. NO.
△				△				NPC Incorporated	DWG. NO	18003587-02-SD	126	
REV.				REV.								

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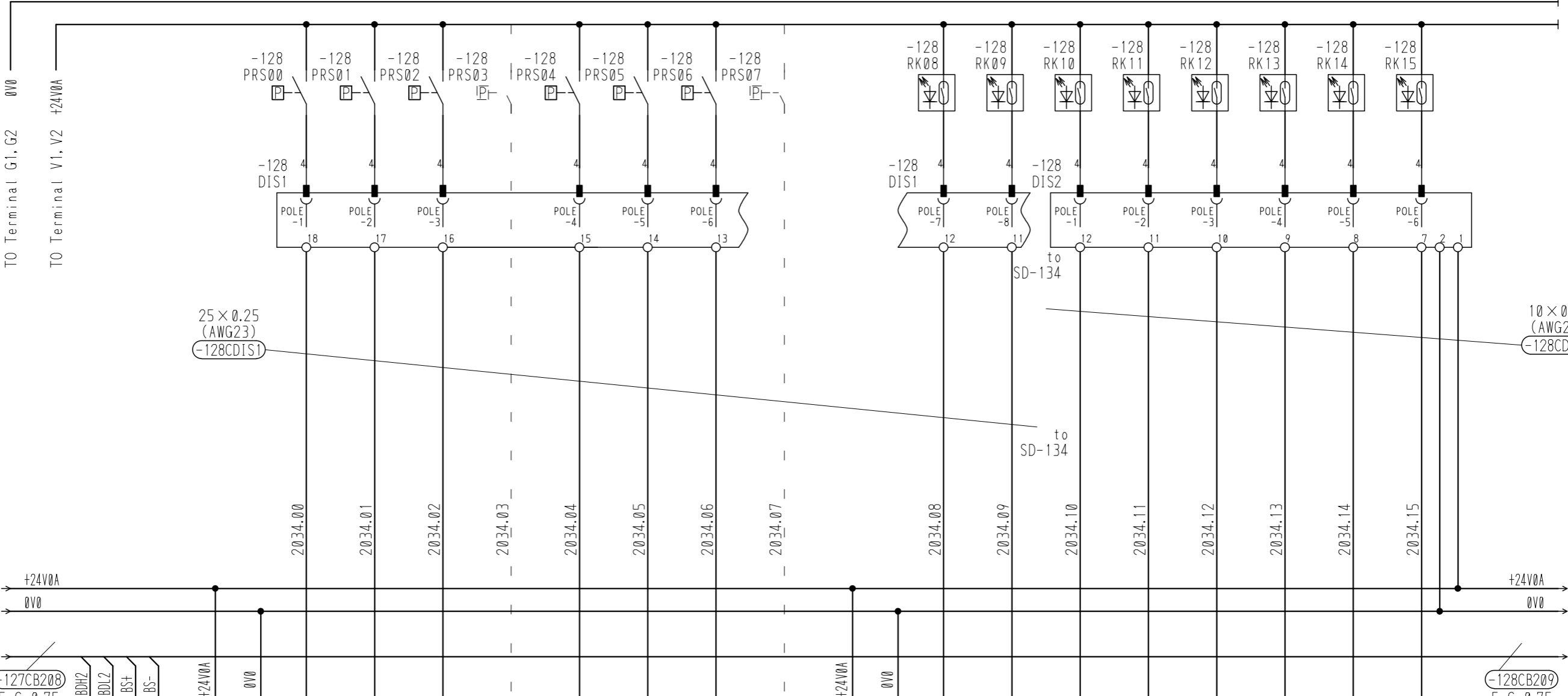
-125CB206
5 G 0.75
(AWG18)

-127CB208
5 G 0.75
(AWG18)

DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN
SRT2-ID16T-1	BDH2	BDL2	BS+	BS-	10	
MACHINE No. 02						
NODE ADDRESS						
COMMENT						
	V				V1	
	G				G1	
タバ搬送台 前 吸着検知 1	2033.00				0	
TAB TABLE FRONT VACUUM SENSOR 1						
タバ搬送台 前 吸着検知 2	2033.01				1	
TAB TABLE FRONT VACUUM SENSOR 2						
タバ搬送台 後 吸着検知 1	2033.02				2	
TAB TABLE REAR VACUUM SENSOR 1						
タバ搬送台 後 吸着検知 2	2033.03				3	
TAB TABLE REAR VACUUM SENSOR 2						
タバ搬送台 後 吸着検知 中央タウ用	2033.04				4	
TAB TABLE REAR VACUUM SENSOR 1 CENTER TAB						
タバ搬送台 後 吸着検知 左タウ用	2033.05				5	
TAB TABLE REAR VACUUM SENSOR 2 CENTER TAB						
タバ搬送台1-1 (下) 上限 (受取用)	2033.06				6	
TAB TABLE 1-1 (DOWN) UPPER LIMIT(RECEIVE)						
タバ搬送台1-1 (下) 下限 (受取用)	2033.07				7	
TAB TABLE 1-1 (DOWN) LOWER LIMIT(RECEIVE)						
	V				V2	
	G				G2	
タバ搬送台1-2 (上) 上限	2033.08				8	
TAB TABLE 1-2 (UP) UPPER LIMIT						
タバ搬送台1-2 (上) 下限	2033.09				9	
TAB TABLE 1-2 (UP) LOWER LIMIT						
タバ搬送台2-1 (下) 上限 (受取用)	2033.10				10	
TAB TABLE 2-1 (DOWN) UPPER LIMIT(RECEIVE)						
タバ搬送台2-1 (下) 下限 (受取用)	2033.11				11	
TAB TABLE 2-1 (DOWN) LOWER LIMIT(RECEIVE)						
タバ搬送台2-2 (上) 上限	2033.12				12	
TAB TABLE 2-2 (UP) UPPER LIMIT						
タバ搬送台2-2 (上) 下限	2033.13				13	
TAB TABLE 2-2 (UP) LOWER LIMIT						
排気センサ	2033.14				14	
EXHAUST AIR SENSOR	2033.15				15	

REV.		REV.		PRODUCT NO.	タバ搬送部(上ユニット) RIGHT TAB FEED PART (UPPER UNIT)	TITLE	Bus/S入出力回路(27/)ID16T-1. Compo Bus/S I/O CIRCUIT(27/) ID16T-1	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	127

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DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN
SRT2-ID16T-1	BDH2	BDL2	BS+	BS-		
MACHINE No. 02						
NODE ADDRESS						
COMMENT						
	V	G				
タ形載前吸着検知 1	2034.00					
TAB TRANSFER FRONT VACUUM SENSOR1						
タ形載前吸着検知 2	2034.01					
TAB TRANSFER FRONT VACUUM SENSOR2						
タ形載前吸着検知 3	2034.02					
TAB TRANSFER FRONT VACUUM SENSOR3						
タ形載前吸着検知 4	2034.03					
TAB TRANSFER FRONT VACUUM SENSOR 4						
タ形載後吸着検知 1	2034.04					
TAB TRANSFER REAR VACUUM SENSOR 1						
タ形載後吸着検知 2	2034.05					
TAB TRANSFER REAR VACUUM SENSOR 2						
タ形載後吸着検知 3	2034.06					
TAB TRANSFER REAR VACUUM SENSOR 3						
タ形載後吸着検知 4	2034.07					
TAB TRANSFER REAR VACUUM SENSOR 4						
	V	G				
タ形載上限	2034.08					
TAB TRANSFER UPPER LIMIT						
タ形載下限	2034.09					
TAB TRANSFER LOWER LIMIT						
右フォォーミング 上限	2034.10					
RIGHT FORMING UPPER LIMIT						
右フォォーミング 下限	2034.11					
RIGHT FORMING LOWER LIMIT						
中央フォォーミング 上限	2034.12					
CENTER FORMING UPPER LIMIT						
中央フォォーミング 下限	2034.13					
CENTER FORMING LOWER LIMIT						
左フォォーミング 上限	2034.14					
LEFT FORMING UPPER LIMIT						
左フォォーミング 下限	2034.15					
LEFT FORMING LOWER LIMIT						

-127CB208
5 G 0.75
(AWG18)

-128CB209
5 G 0.75
(AWG18)

REV.		REV.		PRODUCT NO.	タ形機部(上ユニット) RIGHT TAB FEED PART (UPPER UNIT)	TITLE	Bus/S入出力回路(28/)ID16T-1 Compo Bus/S I/O CIRCUIT(28/) ID16T-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	128	

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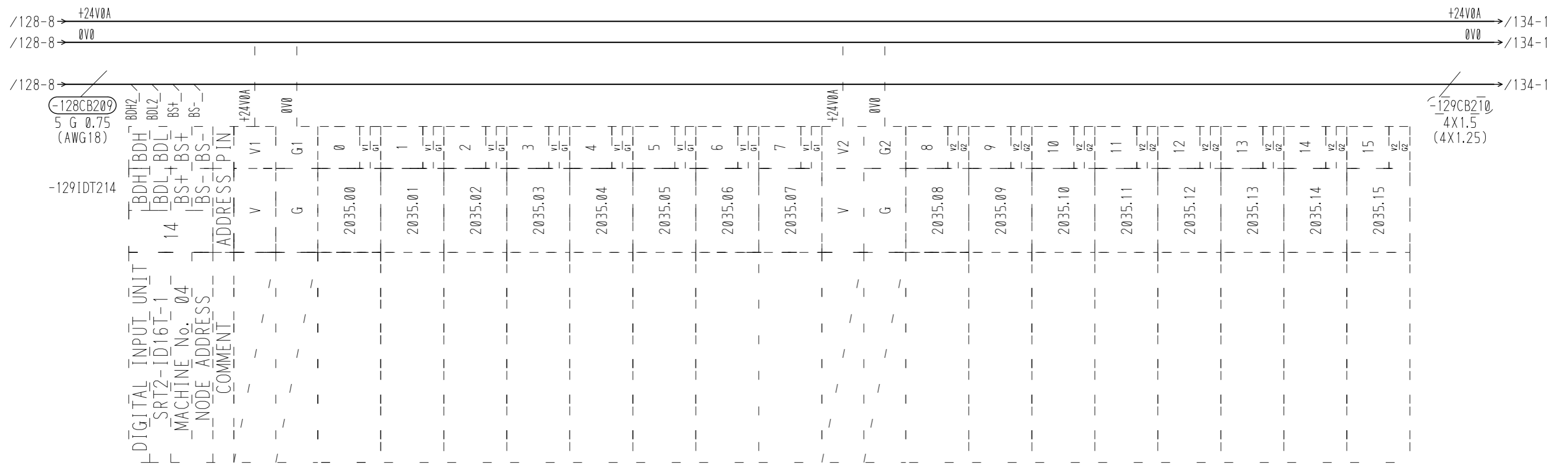
B

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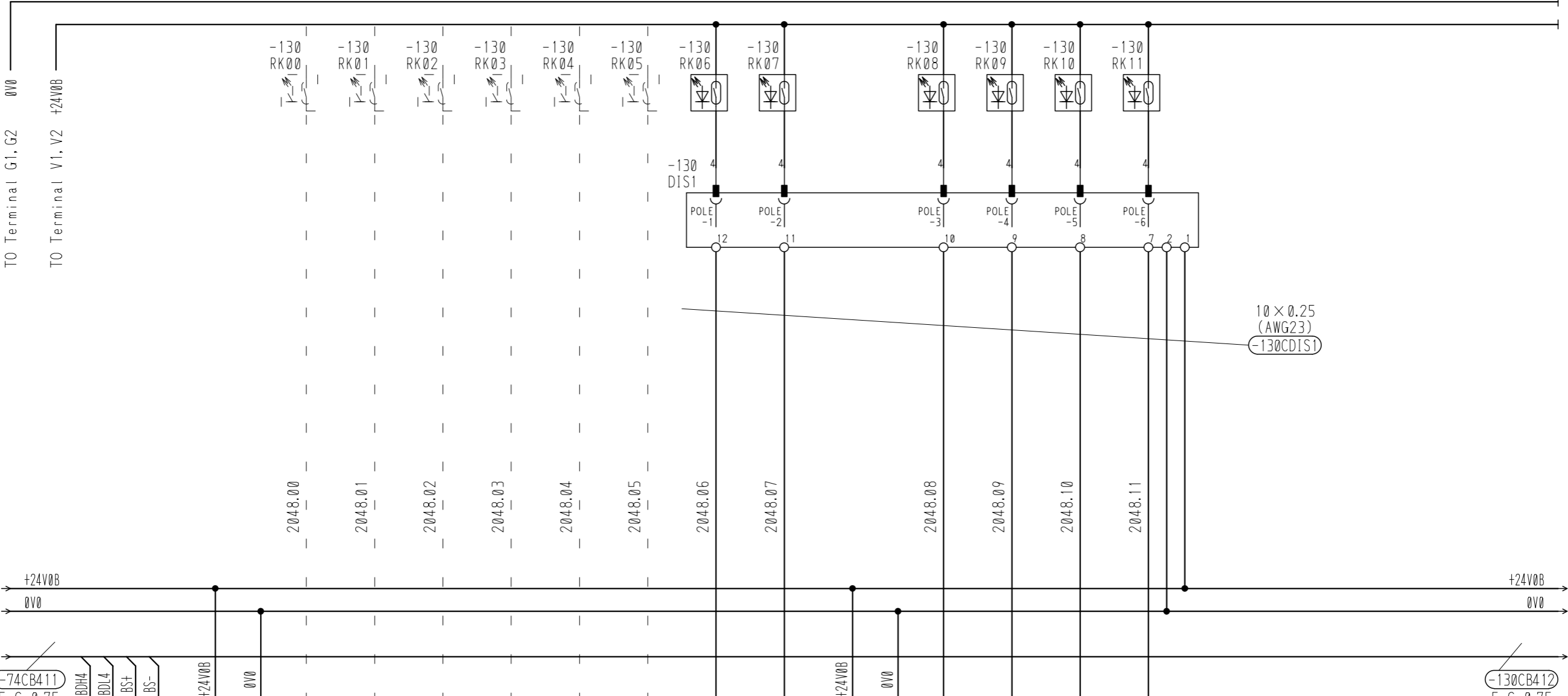
E

F



REV.						PRODUCT NO.	装架内 MACHINE TRESTLE	TITLE	Bus/S入出力回路(29/)予備図 Compo Bus/S I/O CIRCUIT(29/) SPARE	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	129

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10 x 0.25
(AWG23)
-130CDIS1

-130CB412
5 G 0.75
(AWG18)

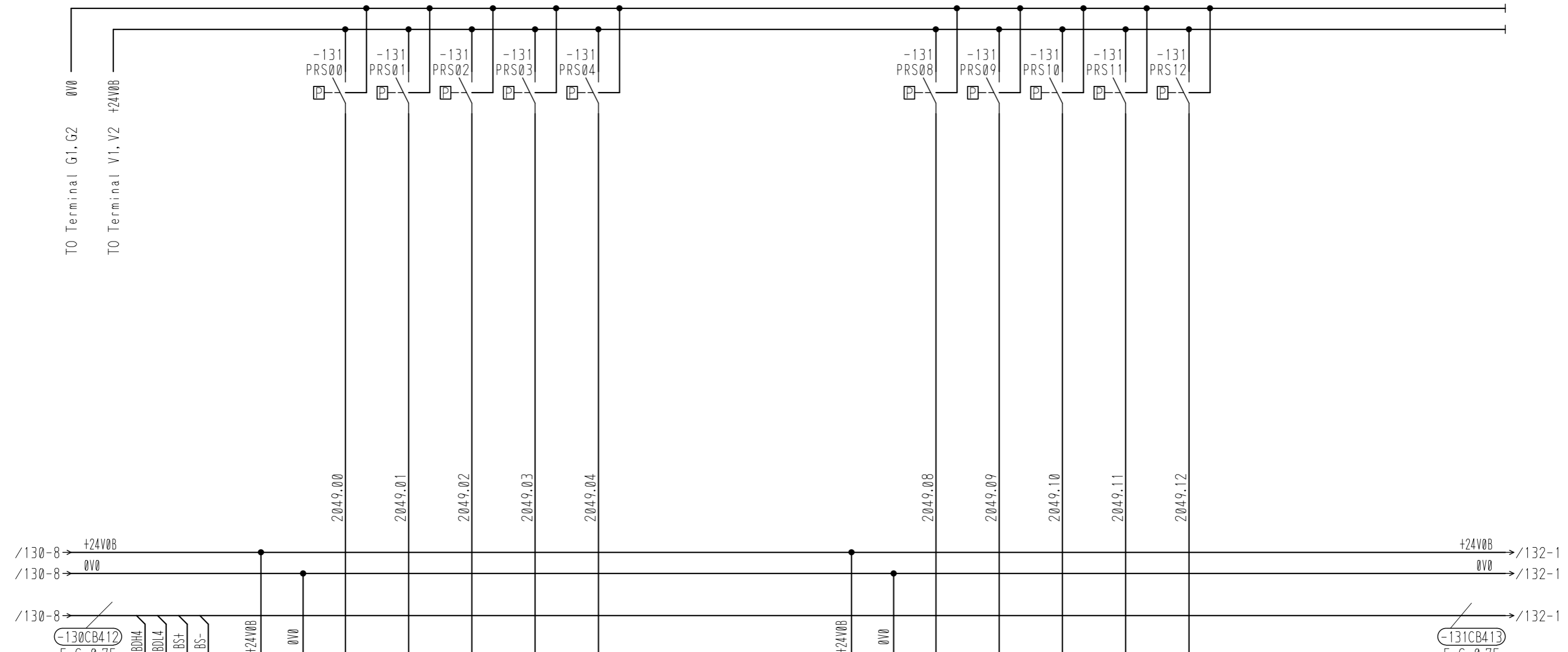
DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN
SRT2-ID16T-1	BDH4	BDL4	BS+	BS-	00	
MACHINE No. 04						
NODE ADDRESS						
COMMENT						
	V				V1	
	G				G1	
					0	
					V1	
					G1	
					1	
					V1	
					G1	
					2	
					V1	
					G1	
					3	
					V1	
					G1	
					4	
					V1	
					G1	
					5	
					V1	
					G1	
					6	
					V1	
					G1	
					7	
					V1	
					G1	
					V2	
					G2	
					8	
					V2	
					G2	
					9	
					V2	
					G2	
					10	
					V2	
					G2	
					11	
					V2	
					G2	
					12	
					V2	
					G2	
					13	
					V2	
					G2	
					14	
					V2	
					G2	
					15	
					V2	
					G2	

REV.		REV.		PRODUCT NO.	装置台上中継BOX(JBH03) ON MACHINE TRESTLE	TITLE	Bus/S入出力回路(30/)ID16T-1. Compo Bus/S I/O CIRCUIT(30/) ID16T-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	130	

1 2 3 4 5 6 7 8

中継BOX3
JUNCTION BOX 3

A
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-130CB412
5 G 0.75
(AWG18)

-131CB413
5 G 0.75
(AWG18)

-1311DT402

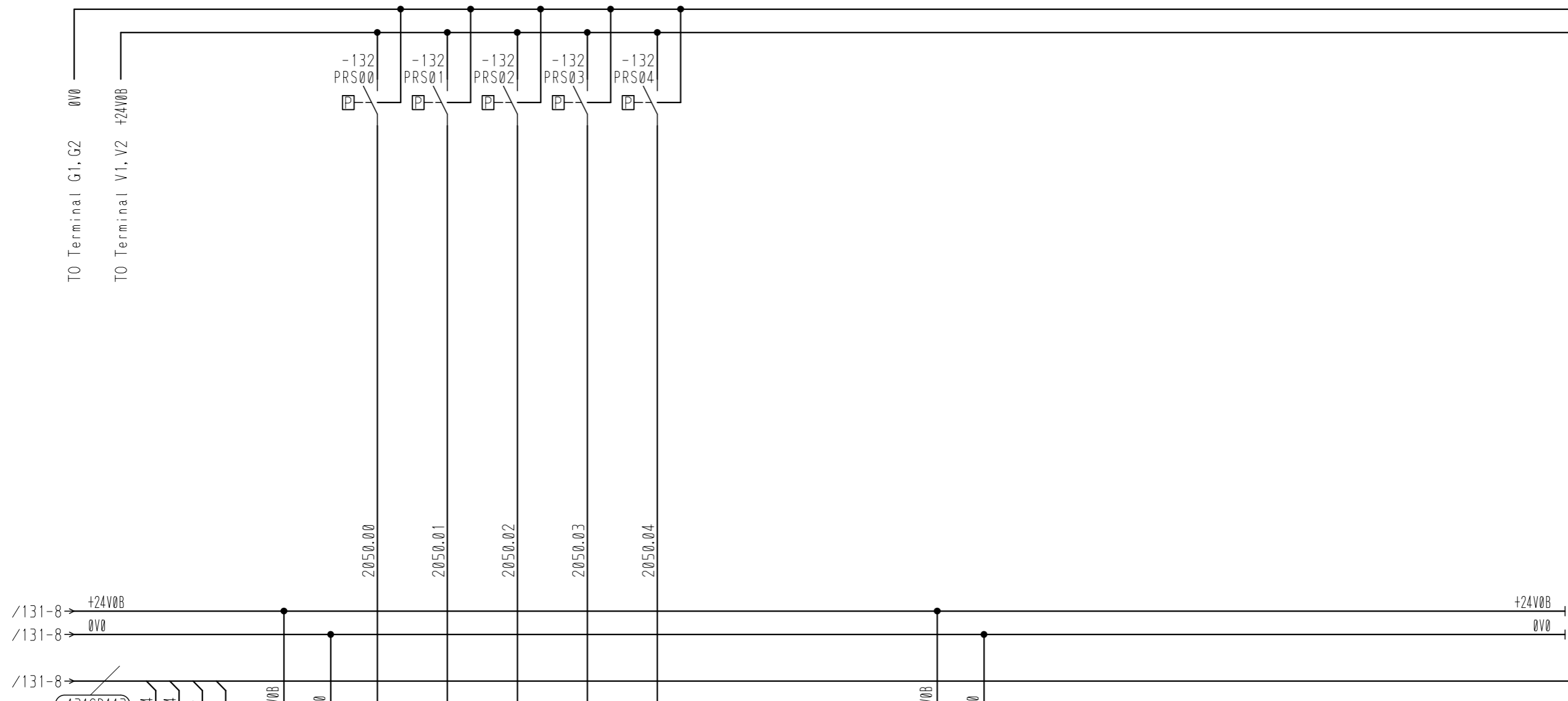
DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN	0V0	+24V0B
SRT2-ID16T-1	BDH	BDL	BS+	BS-	02	V1		
MACHINE No. 04						G		
NODE ADDRESS								
COMMENT								
右ホットエア-エア-圧検知 1					2049.00			
RIGHT HOT AIR PRESSURE SENSOR 1								
右ホットエア-エア-圧検知 2					2049.01			
RIGHT HOT AIR PRESSURE SENSOR 2								
右ホットエア-エア-圧検知 3					2049.02			
RIGHT HOT AIR PRESSURE SENSOR 3								
右ホットエア-エア-圧検知 4					2049.03			
RIGHT HOT AIR PRESSURE SENSOR 4								
右ホットエア-エア-圧検知 5					2049.04			
RIGHT HOT AIR PRESSURE SENSOR 5								
中央ホットエア-エア-圧検知 1					2049.08			
CENTER HOT AIR PRESSURE SENSOR 1								
中央ホットエア-エア-圧検知 2					2049.09			
CENTER HOT AIR PRESSURE SENSOR 2								
中央ホットエア-エア-圧検知 3					2049.10			
CENTER HOT AIR PRESSURE SENSOR 3								
中央ホットエア-エア-圧検知 4					2049.11			
CENTER HOT AIR PRESSURE SENSOR 4								
中央ホットエア-エア-圧検知 5					2049.12			
CENTER HOT AIR PRESSURE SENSOR 5								

REV.		REV.		PRODUCT NO.	装置台上中継BOX(JBH03) ON MACHINE TRESTLE JUNCTION BOX(JBH03)	TITLE	Bus/S入出力回路(31/)ID16T-1. Compo Bus/S I/O CIRCUIT(31/) ID16T-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	131	

1 2 3 4 5 6 7 8

中継BOX3
JUNCTION BOX 3

A
B
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E
F



DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN	V	G	0	1	2	3	4	5	6	7	V	G	8	9	10	11	12	13	14	15	
SRT2-ID16T-1	BDH	BDL	BS+	BS-	04				2050.00	2050.01	2050.02	2050.03	2050.04	2050.05	2050.06	2050.07			2050.08	2050.09	2050.10	2050.11	2050.12	2050.13	2050.14	2050.15	
MACHINE No. 04																											
NODE ADDRESS																											
COMMENT																											
									左ボットエア-エア圧検知 1	LEFT HOT AIR PRESSURE SENSOR1	左ボットエア-エア圧検知 2	LEFT HOT AIR PRESSURE SENSOR2	左ボットエア-エア圧検知 3	LEFT HOT AIR PRESSURE SENSOR3	左ボットエア-エア圧検知 4	LEFT HOT AIR PRESSURE SENSOR4	左ボットエア-エア圧検知 5	LEFT HOT AIR PRESSURE SENSOR5									

REV.																		PRODUCT NO.	装置台上中継BOX(JBH03) ON MACHINE TRESTLE JUNCTION BOX(JBH03)	TITLE	Bus/S入出力回路(32/)ID16T-1. Compo Bus/S I/O CIRCUIT(32/) ID16T-1	SH. NO.
																			NPC Incorporated	DWG. NO	18003587-02-SD	132

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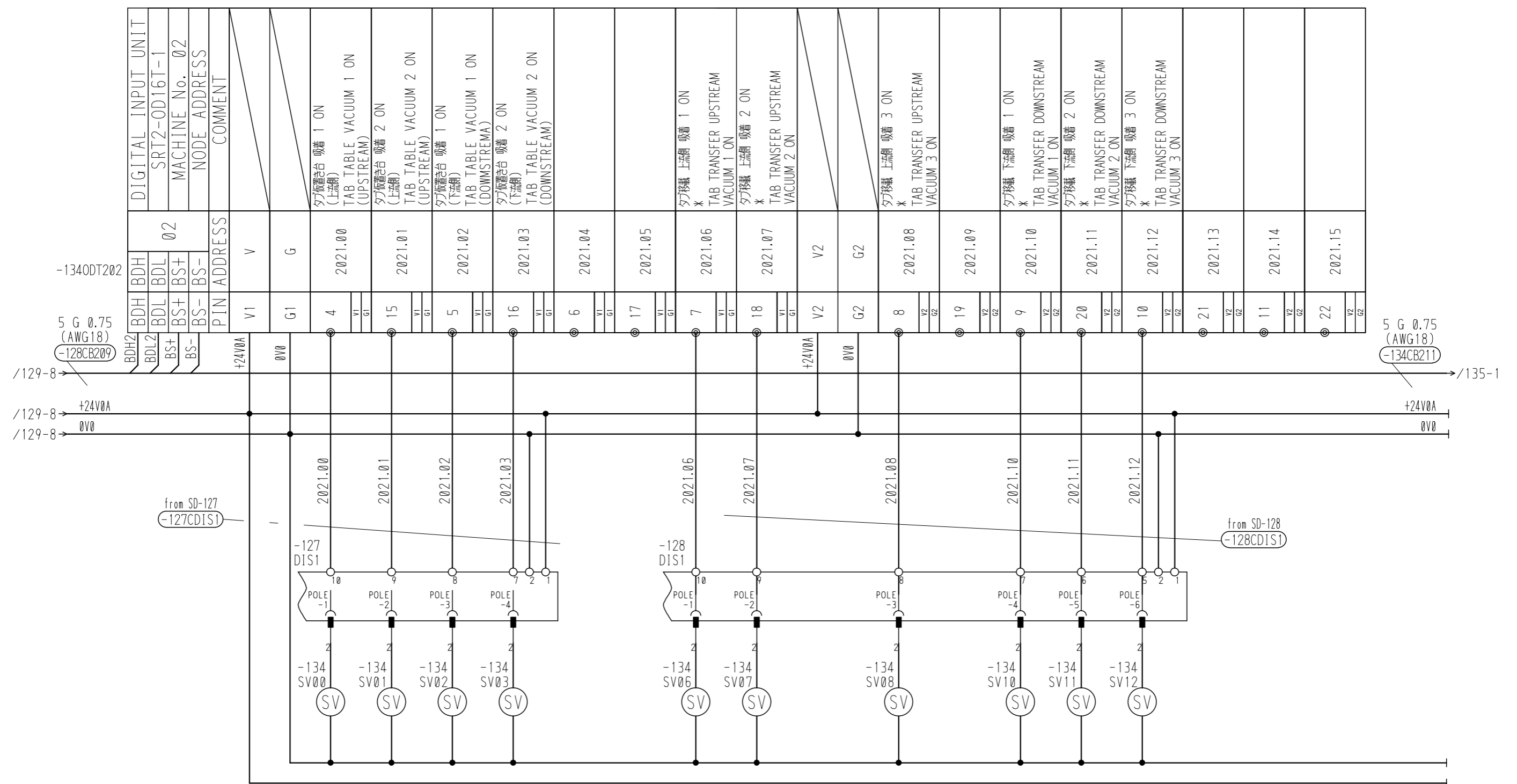
E

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REV.								PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(33/)予備図 Compo Bus/S I/O CIRCUIT(33/) SPARE	SH. NO.
								 NPC Incorporated	DWG. NO	18003587-02-SD	133	

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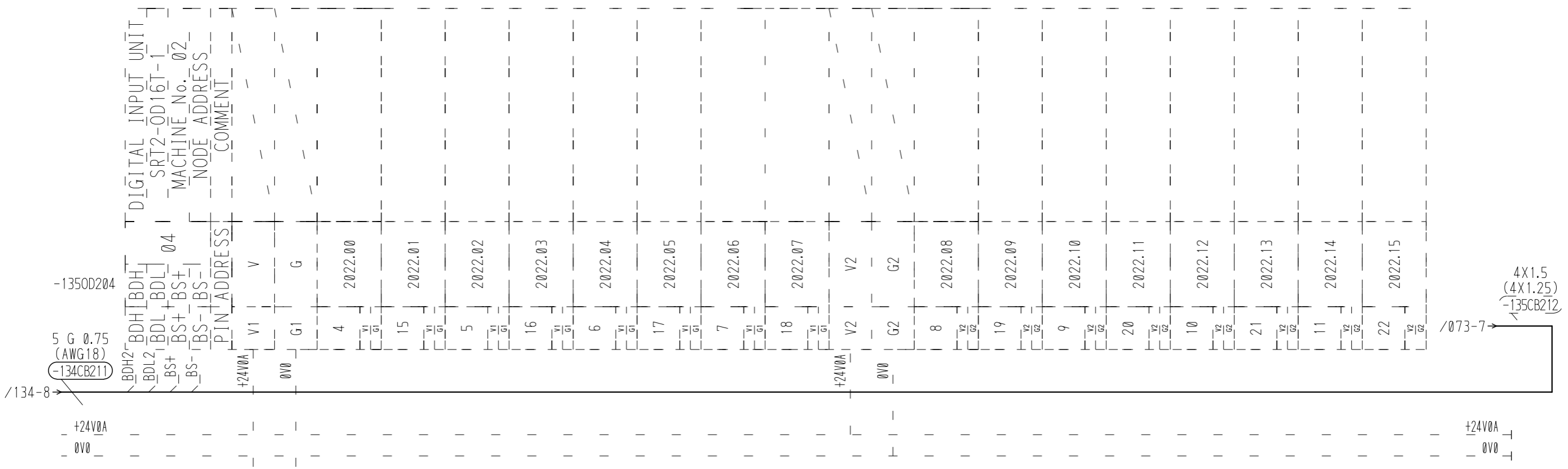
1 2 3 4 5 6 7 8



REV.		REV.		PRODUCT NO.	装架台 MACHINE TRESTLE	TITLE	Bus/S入出力回路(34/)0D16T-1. Compo Bus/S I/O CIRCUIT(34/) 0D16T-1	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	134

1 2 3 4 5 6 7 8

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REV.								PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(35/)左夕子供給部(2/11). Compo Bus/S I/O CIRCUIT(35/) LEFT TAB FEED PART(2/11)	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	135

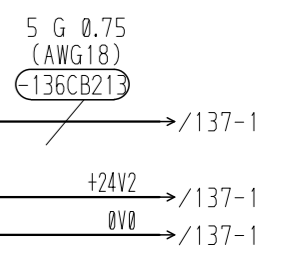
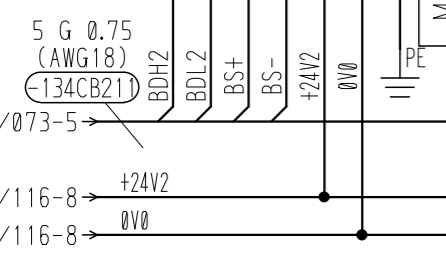
1 2 3 4 5 6 7 8

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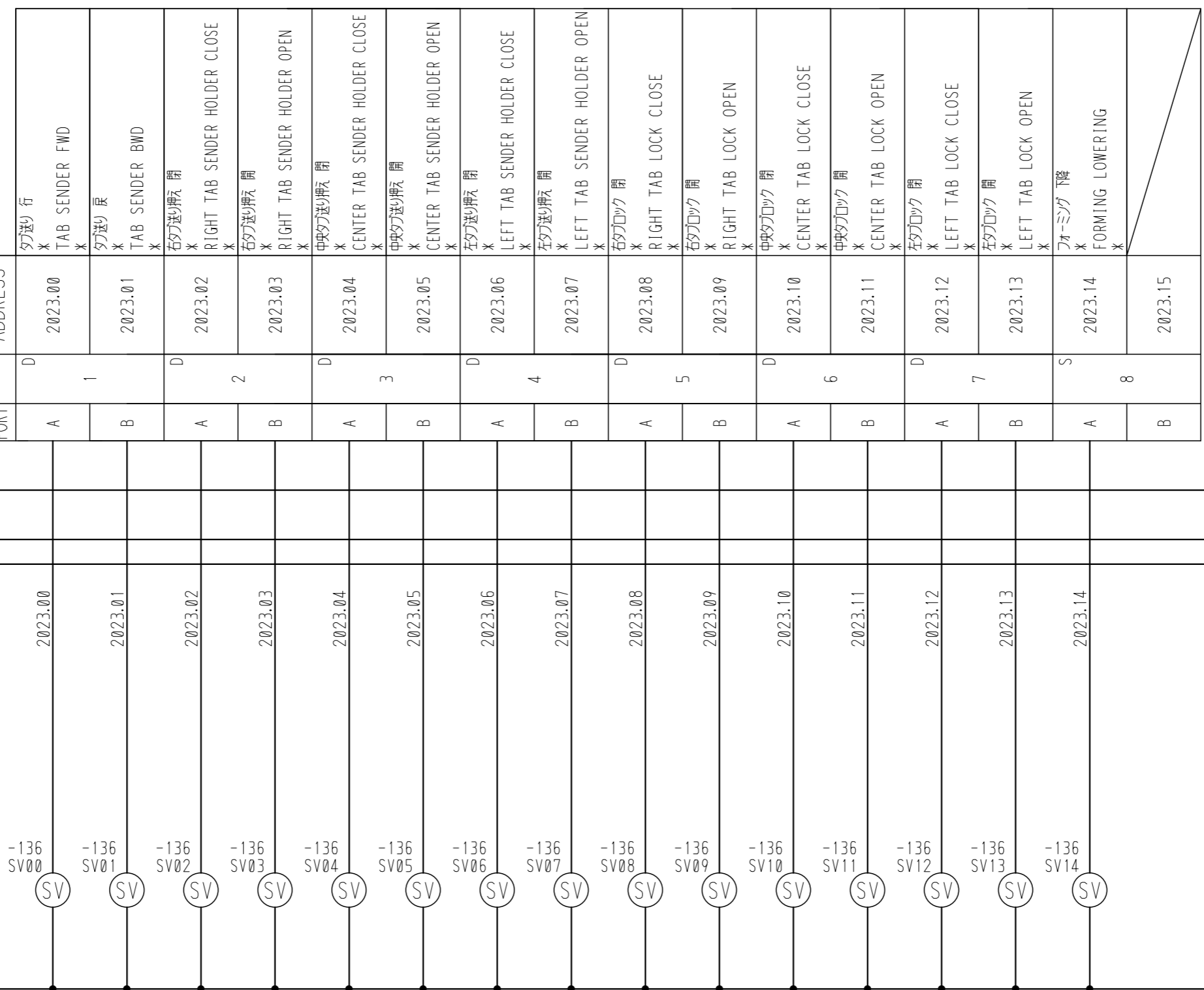
架台部
TRESTLE UNIT

-136VDD206

SRT2-VDD16ML-1	
MACHINE No.02	
NODE ADDRESS	06
BDH	
BDL	
BS+	
BS-	
24V	
0V	
FG	



IN MANIFOLD



REV.		REV.		PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(36/)VDD16ML-1. Compo Bus/S I/O CIRCUIT(36/) SRT2-VDD16ML-1	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	136	

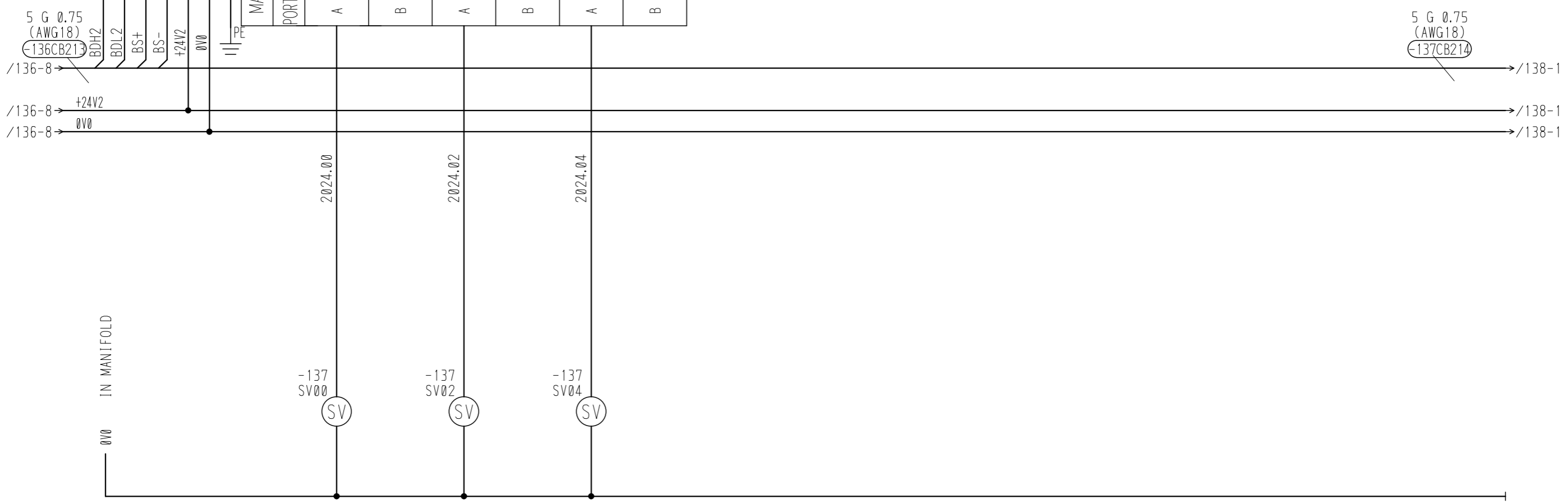
1 2 3 4 5 6 7 8

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-137VDD208

SRT2-VDD16ML-1		MACHINE No.02		NODE ADDRESS		08		
BDH2	BDL2	BS+	BS-	+24V2	0V0	FG		
MANIFOLD NO.								
PORT	ADDRESS		ADDRESS		ADDRESS		ADDRESS	
A	2024.00		2024.01		2024.02		2024.03	
B	1		S		2		3	
A	2024.00		2024.02		2024.04		2024.05	
B	A		B		A		B	

夕方カット 右切
*
TAB CUT RIGHT CUT
*
夕方カット 中央切
*
TAB CUT CENTER CUT
*
夕方カット 左切
*
TAB CUT LEFT CUT
*



REV.					PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(37/)VDD16ML-1. Compo Bus/S I/O CIRCUIT(37/) SRT2-VDD16ML-1	SH. NO.
					NPC Incorporated		DWG. NO	18003587-02-SD	137

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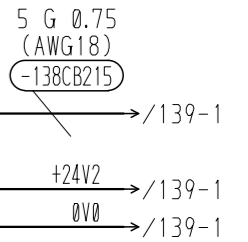
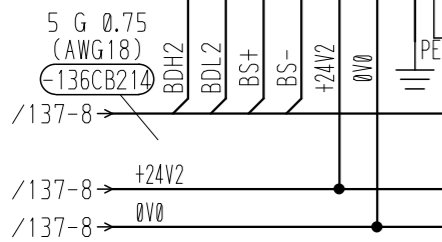
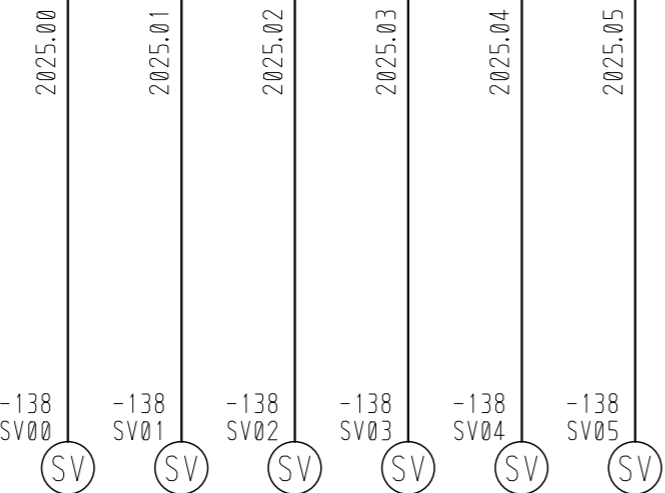
E

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架台部
TRESTLE UNIT

-138VOD210

SRT2-VDD16ML-1		MACHINE No.02		NODE ADDRESS		10	
BDH	BDL	BS+	BS-	24V	0V	FG	
MANIFOLD NO.							
PORT	ADDRESS						
A	2025.00		D				
B	2025.01		1				
A	2025.02		D				
B	2025.03		2				
A	2025.04		D				
B	2025.05		3				



REV.								PRODUCT NO.	装架内 MACHINE TRESTLE INSIDE	TITLE	Bus/S入出力回路(38/)VDD16ML-1. Compo Bus/S I/O CIRCUIT(38/) SRT2-VDD16ML-1	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	138

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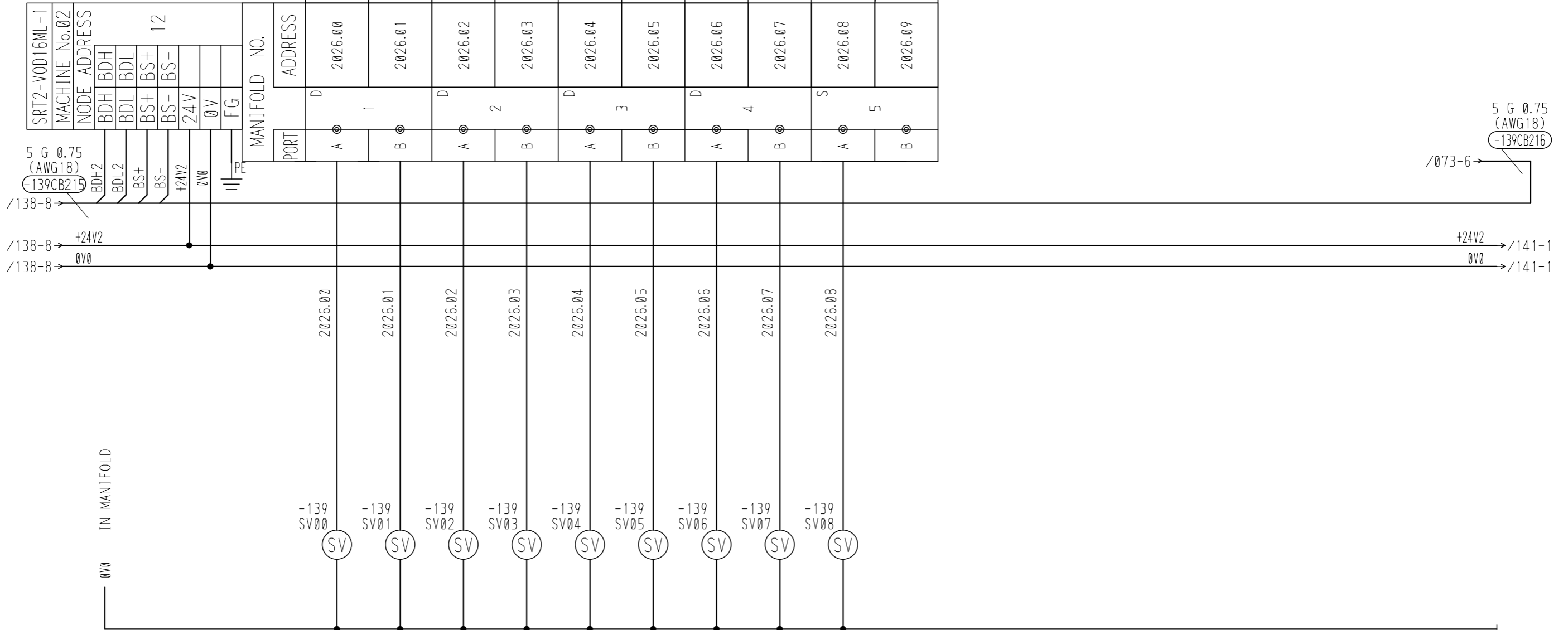
D

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架台部
TRESTLE UNIT

-139VOD212



5 G 0.75 (AWG18) -139CB216 /073-6

PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(39/)VDD16ML-1. Compo Bus/S I/O CIRCUIT(39/) SRT2-VDD16ML-1	SH. NO.
REV.	NPC Incorporated	DWG. NO.	18003587-02-SD	139

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1 2 3 4 5 6 7 8

-141VOD400

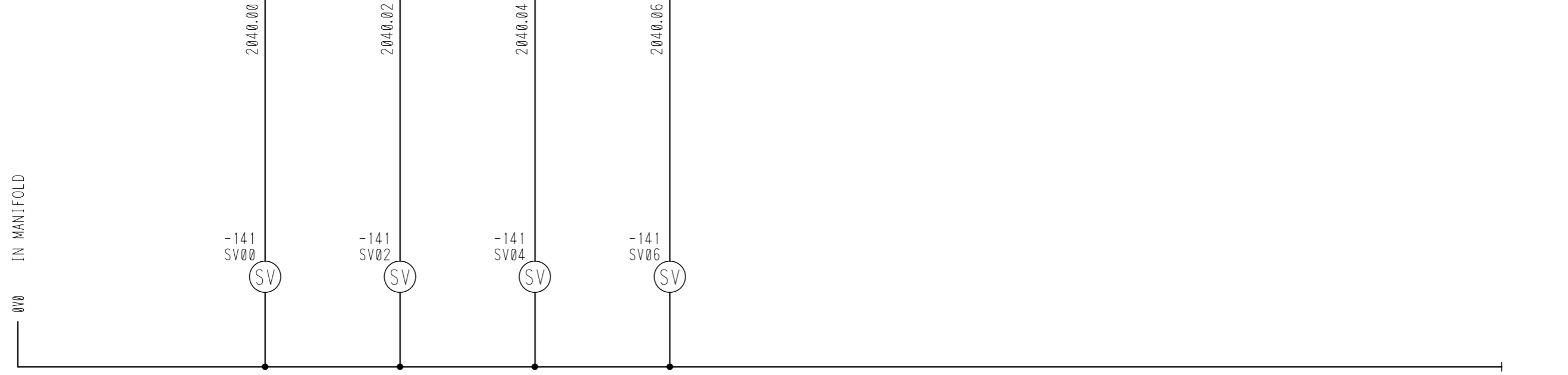
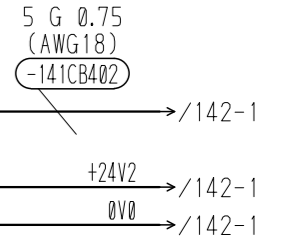
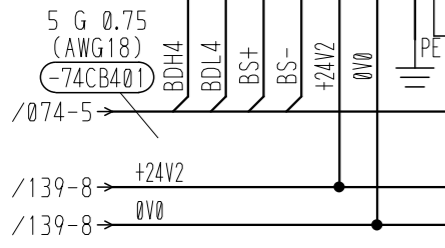
SRT2-VDD16ML-1 MACHINE No.04 NODE ADDRESS					MANIFOLD NO.			ADDRESS
BDH	BDL	BS+	BS-	24V	0V	FG	PORT	
							A	2040.00
1								2040.01
2								2040.02
3								2040.03
4								2040.04
4								2040.05
4								2040.06
4								2040.07

右刃押さえピン 下降
* RIGHT TAB HOLD PIN LOWERING *

中央刃押さえピン 下降
* CENTER TAB HOLD PIN LOWERING *

左刃押さえピン 下降
* LEFT TAB HOLD PIN LOWERING *

セル投入移動ヘッド 下降
* CELL TRANSFER HEAD LOWERING *



REV.										PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(41/)VDD16ML-1. Compo Bus/S I/O CIRCUIT(41/) SRT2-VDD16ML-1	SH. NO.
REV.										NPC Incorporated	DWG. NO	18003587-02-SD	141	

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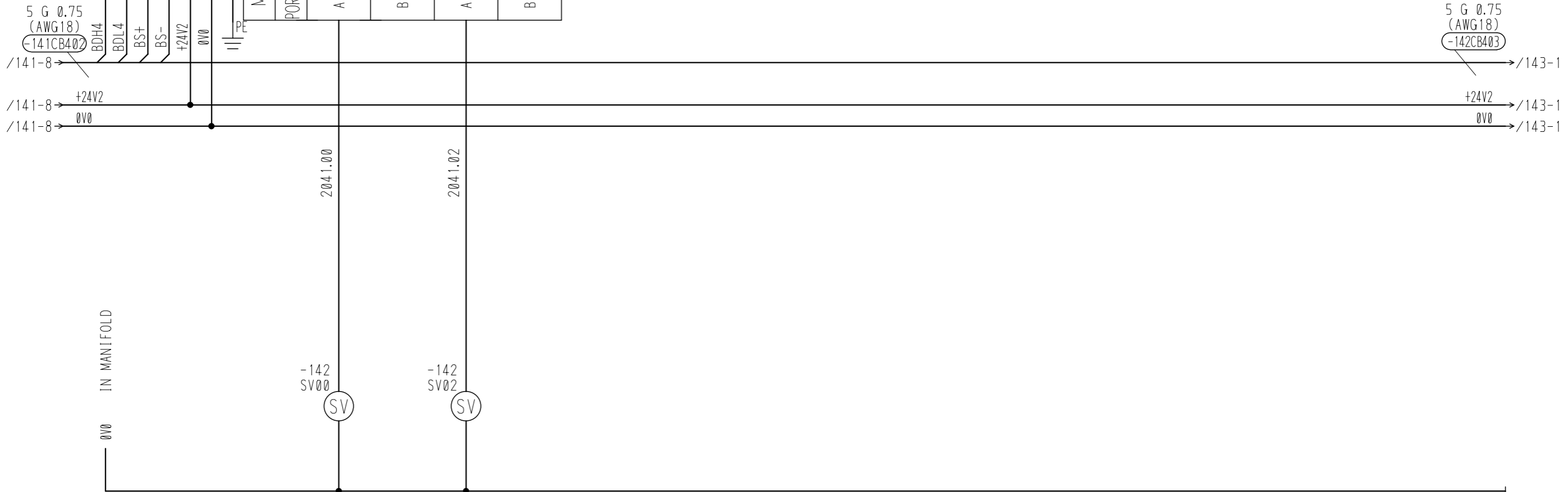
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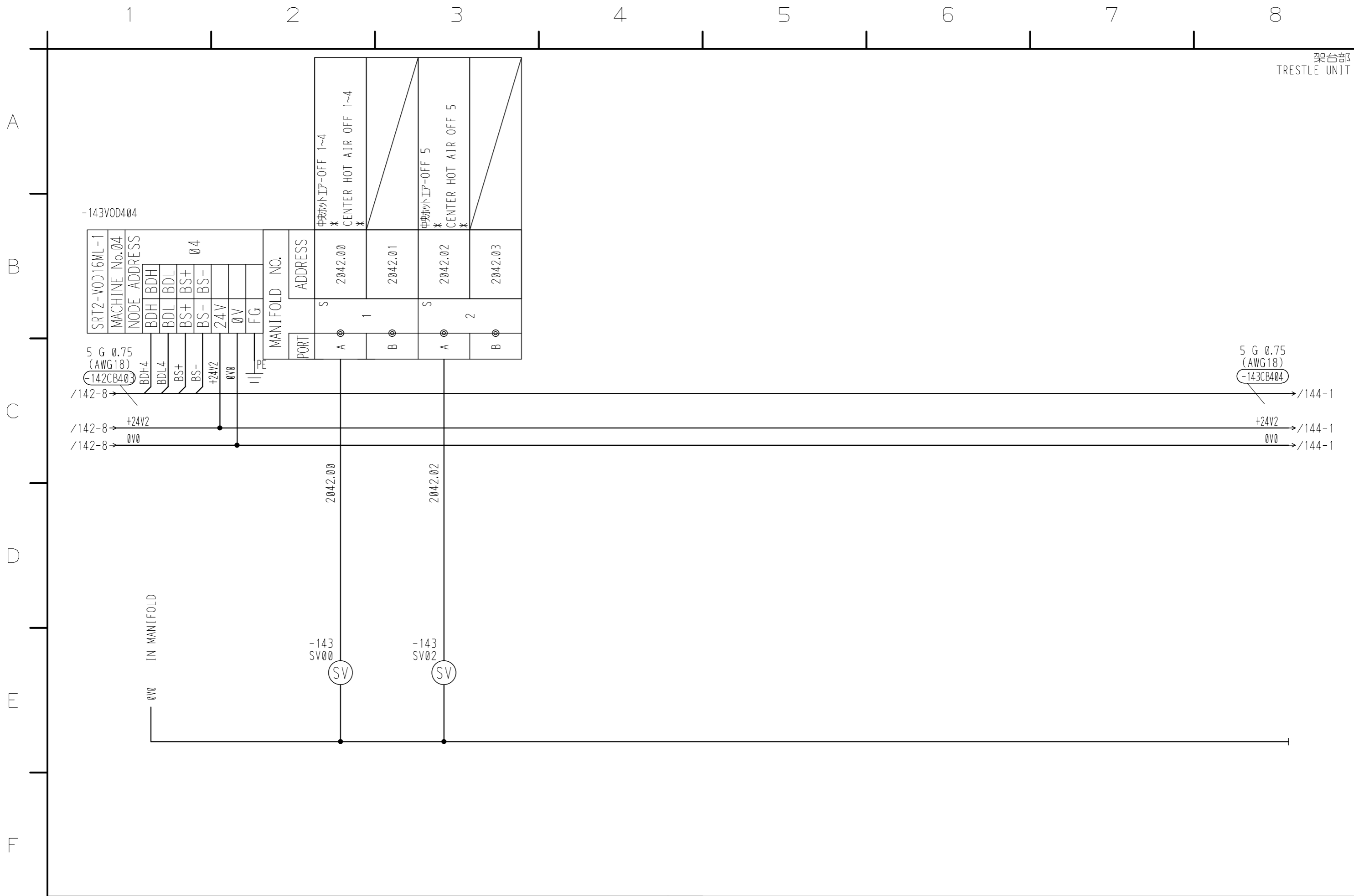
8

-142VOD402

SRT2-VDD16ML-1	MACHINE No.04		NODE ADDRESS		02		
BDH	BDL	BS+	BS-	24V	0V	FG	
MANIFOLD NO.							ADDRESS
PORT	MANIFOLD NO.		ADDRESS				
A	1		2041.00		右側17-OFF 1~4 * RIGHT HOT AIR OFF 1~4		
B	1		2041.01				
A	2		2041.02		右側17-OFF 5 * RIGHT HOT AIR OFF 5		
B	2		2041.03				



REV.								PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(42/)VDD16ML-1. Compo Bus/S I/O CIRCUIT(42/) SRT2-VDD16ML-1	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	142



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1 2 3 4 5 6 7 8

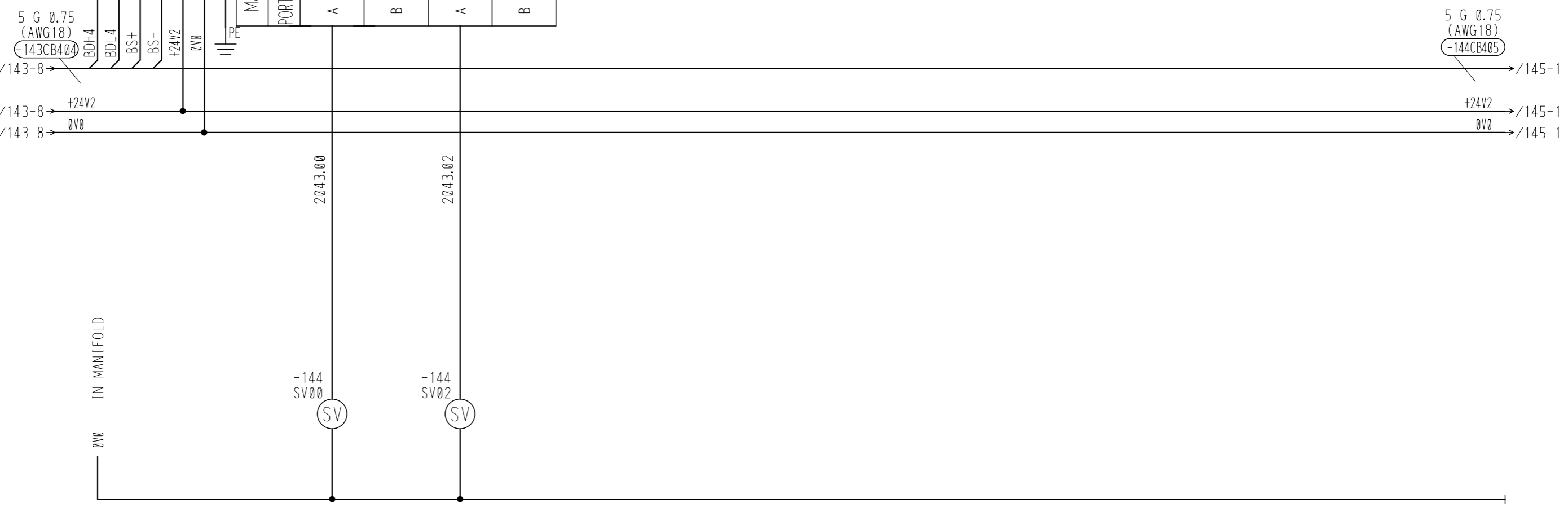
REV.									PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(43/)VDD16ML-1. Compo Bus/S I/O CIRCUIT(43/) SRT2-VDD16ML-1	SH. NO.
									NPC Incorporated		DWG. NO.	18003587-02-SD	143

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1 2 3 4 5 6 7 8

-144VOD406

SRT2-VDD16ML-1		MACHINE No.04		NODE ADDRESS		06	
BDH	BDL	BS+	BS-	24V	0V	FG	
MANIFOLD NO.							
PORT	ADDRESS						
A	S	2043.00	左側エアOFF 1~4 * LEFT HOT AIR OFF 1~4 *				
B	1	2043.01					
A	S	2043.02	左側エアOFF 5 * LEFT HOT AIR OFF 5 *				
B	2	2043.03					



REV.								PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(44/)VDD16ML-1. Compo Bus/S I/O CIRCUIT(44/) SRT2-VDD16ML-1	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	144

1 2 3 4 5 6 7 8

A
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5 G 0.75
(AWG18)
-144CB405
/144-8 →
/144-8 → +24V2
/144-8 → 0V0

5 G 0.75
(AWG18)
-145CB406
/074-5 →
+24V2
0V0

0V0
IN MANIFOLD

▲				▲				PRODUCT NO.	架台内電磁弁部 TRESTLE SOLENOID VALVE	TITLE	Bus/S入出力回路(45/)予備図 Compo Bus/S I/O CIRCUIT(45/) SPARE	SH. NO.
▲				▲				NPC Incorporated	DWG. NO	18003587-02-SD	145	
REV. ▲				REV. ▲								

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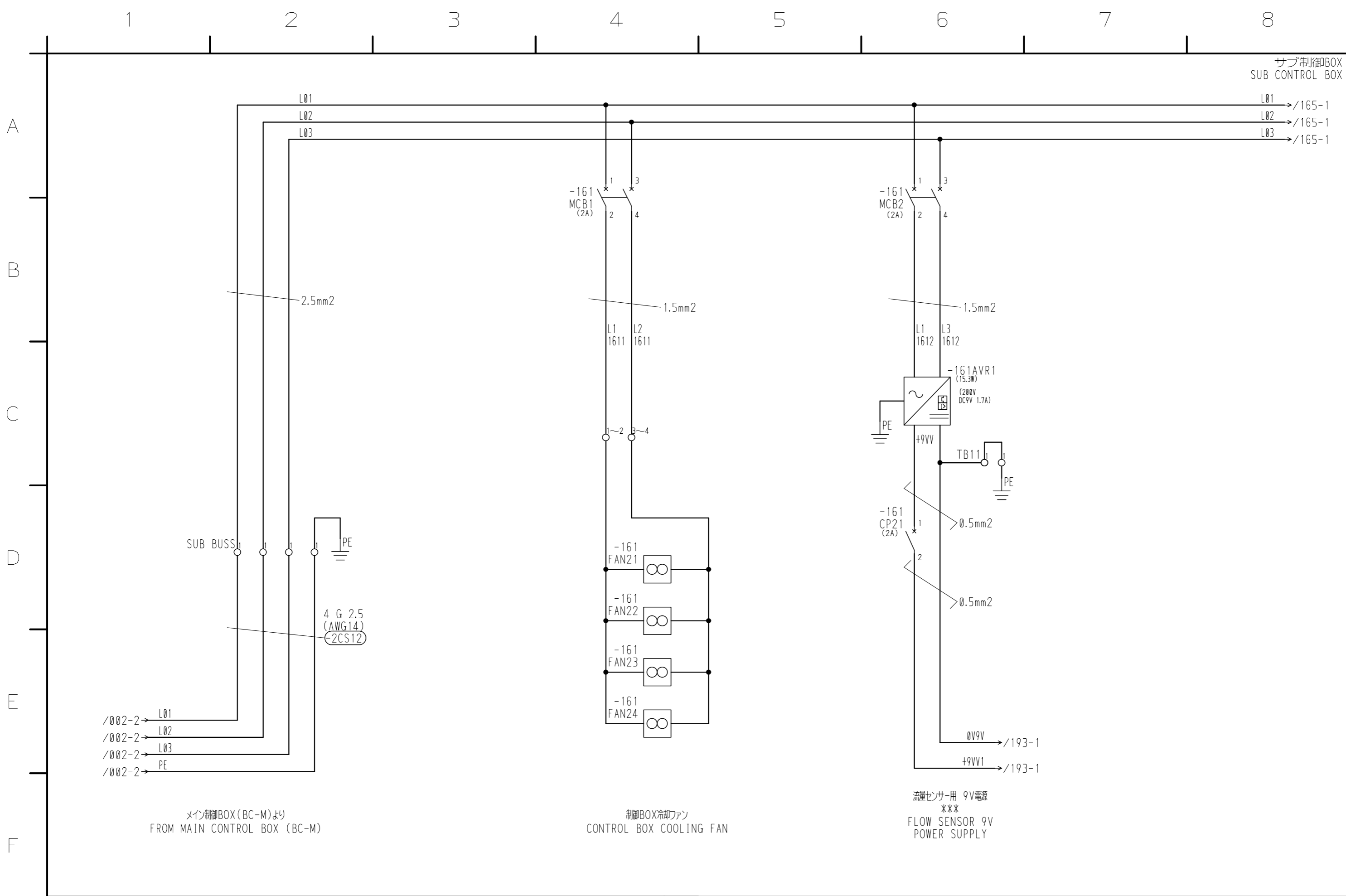
C

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REV.								PRODUCT NO.	*** ***	TITLE	Bus/S入出力回路(46/)予備図 Compo Bus/S I/O CIRCUIT(46/) SPARE	SH. NO.
								 NPC Incorporated	DWG. NO	18003587-02-SD	146	



サブ制御BOX
SUB CONTROL BOX

L01 → /165-1
L02 → /165-1
L03 → /165-1

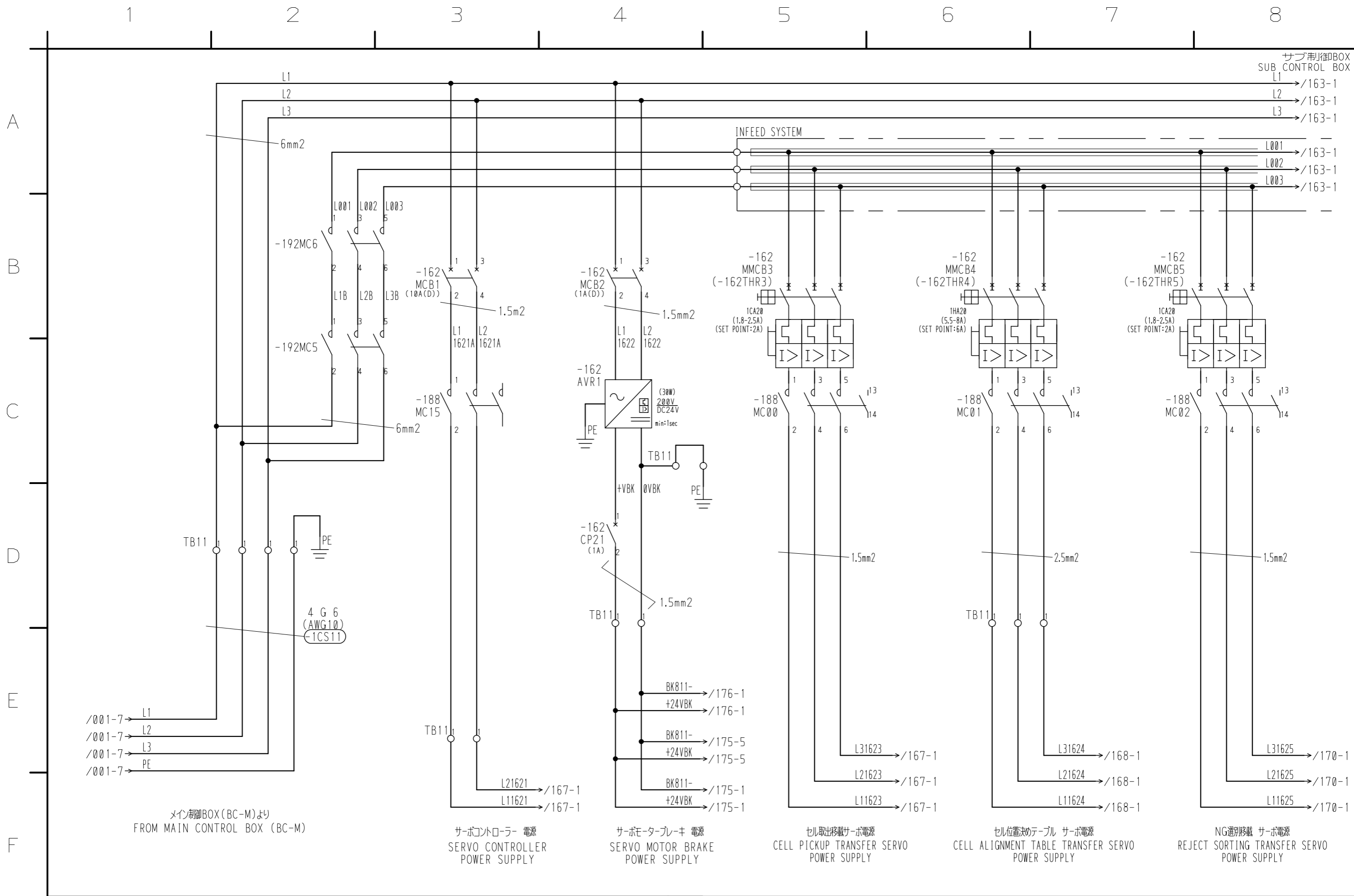
メイン制御BOX (BC-M)より
FROM MAIN CONTROL BOX (BC-M)

制御BOX冷却ファン
CONTROL BOX COOLING FAN

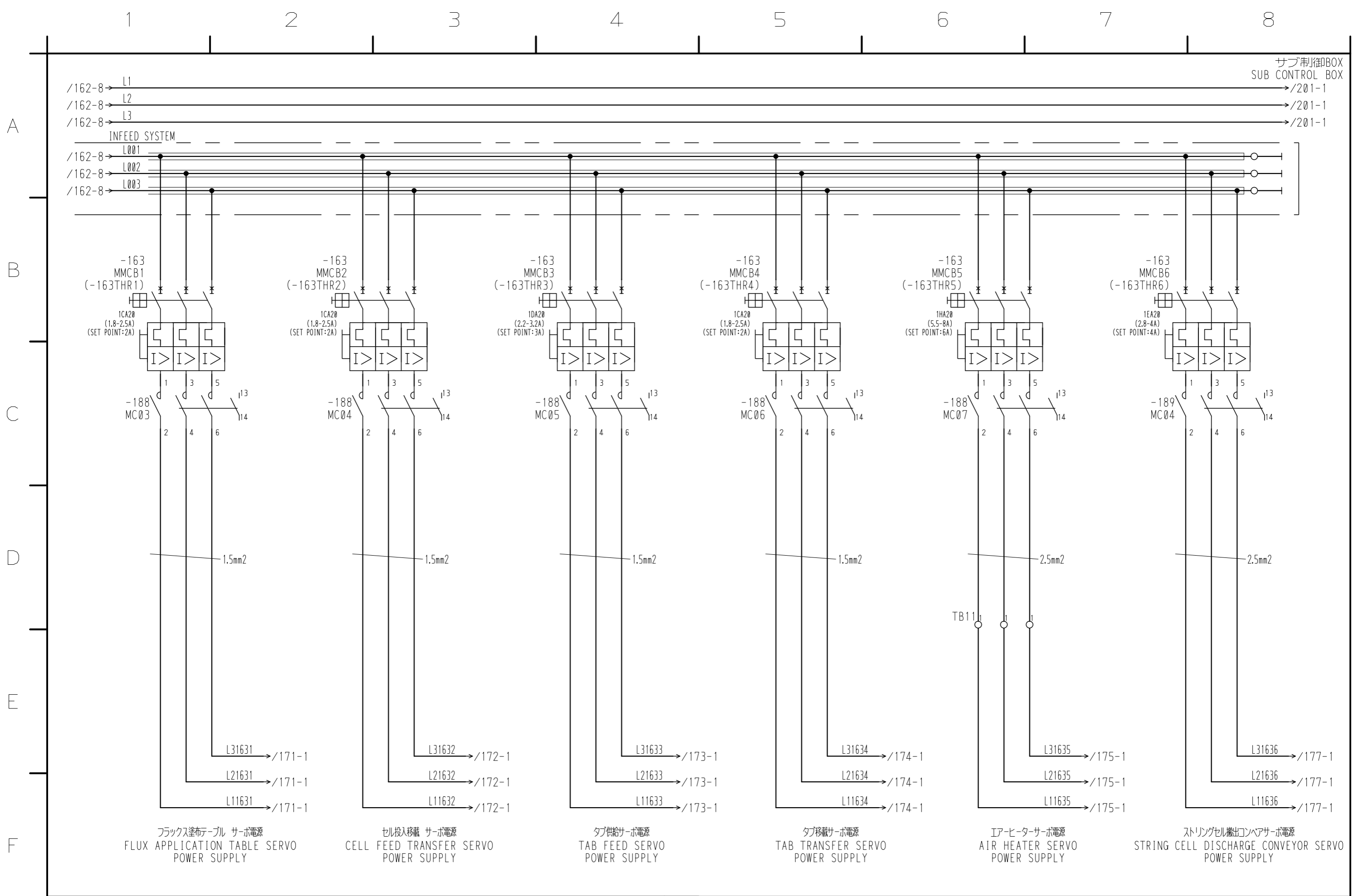
流量センサー用 9V電源

FLOW SENSOR 9V
POWER SUPPLY

REV.							PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(1/). POWER SUPPLY & POWER CIRCUIT(1/)	SH. NO.
							NPC Incorporated		DWG. NO	18003587-02-SD	161



REV.					PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(2/). POWER SUPPLY & POWER CIRCUIT(2/)	SH. NO.
					NPC Incorporated		DWG. NO	18003587-02-SD	162



サブ制御BOX
SUB CONTROL BOX

/162-8 → L1 → /201-1
 /162-8 → L2 → /201-1
 /162-8 → L3 → /201-1

INFEED SYSTEM

/162-8 → L001
 /162-8 → L002
 /162-8 → L003

-163
MMCB1
(-163THR1)
1CA20
(1.8-2.5A)
(SET POINT:2A)

-163
MMCB2
(-163THR2)
1CA20
(1.8-2.5A)
(SET POINT:2A)

-163
MMCB3
(-163THR3)
1DA20
(2.2-3.2A)
(SET POINT:3A)

-163
MMCB4
(-163THR4)
1CA20
(1.8-2.5A)
(SET POINT:2A)

-163
MMCB5
(-163THR5)
1HA20
(5.5-8A)
(SET POINT:6A)

-163
MMCB6
(-163THR6)
1EA20
(2.8-4A)
(SET POINT:4A)

-188
MC03

-188
MC04

-188
MC05

-188
MC06

-188
MC07

-189
MC04

1.5mm2

1.5mm2

1.5mm2

1.5mm2

2.5mm2

2.5mm2

TB11

L31631 → /171-1
L21631 → /171-1
L11631 → /171-1

L31632 → /172-1
L21632 → /172-1
L11632 → /172-1

L31633 → /173-1
L21633 → /173-1
L11633 → /173-1

L31634 → /174-1
L21634 → /174-1
L11634 → /174-1

L31635 → /175-1
L21635 → /175-1
L11635 → /175-1

L31636 → /177-1
L21636 → /177-1
L11636 → /177-1

フラックス塗布テーブル サーボ電源
FLUX APPLICATION TABLE SERVO
POWER SUPPLY

セル投入移載 サーボ電源
CELL FEED TRANSFER SERVO
POWER SUPPLY

タブ供給サーボ電源
TAB FEED SERVO
POWER SUPPLY

タブ移載サーボ電源
TAB TRANSFER SERVO
POWER SUPPLY

エアヒーターサーボ電源
AIR HEATER SERVO
POWER SUPPLY

ストリングセル搬出コンベアサーボ電源
STRING CELL DISCHARGE CONVEYOR SERVO
POWER SUPPLY

REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(3/)予備図 POWER SUPPLY & POWER CIRCUIT(3/) SPARE	SH. NO.	
										DWG. NO	18003587-02-SD	163	
								NPC Incorporated					

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サブ制御BOX
SUB CONTROL BOX

0V0 → /178-1
+24V0B → /178-1
+24V1B → /178-1
+24V2 → /178-1

-192AXR1 +V2 -192AXR2
53 54 53 54

架台内 扉部(背面・1枚目)
DOOR UNIT(BACK SIDE, FIRST) IN TRESTLE

2 X 1.0 (AWG18)
-164CS111

TB11
0V0 → /103-1
+24V0B → /103-1

架台内 扉部(背面・2枚目)
DOOR UNIT(BACK SIDE, SECOND) IN TRESTLE

2 X 1.0 (AWG18)
-164CS112

TB11
0V0 → /108-1
+24V0B → /108-1

架台内 電磁弁部
SOLENOID VALVE UNIT IN TRESTLE

2 X 1.0 (AWG18)
-164CS113

TB11
0V0 → /114-1
+24V2 → /114-1

半田付け部 中継BOX(JBH03)
SOLDERING UNIT JUNCTION BOX (JBH03)

2 X 1.0 (AWG18)
-164CS114

TB11
0V0 → /130-1
+24V0B → /130-1

レイアップ架台下
LAYUP INSIDE TRESTLE

2 X 1.0 (AWG18)
-164CS121

TB11
0V0 → /237-1
+24V0B → /237-1

2 X 1.0 (AWG18)
-164CS122

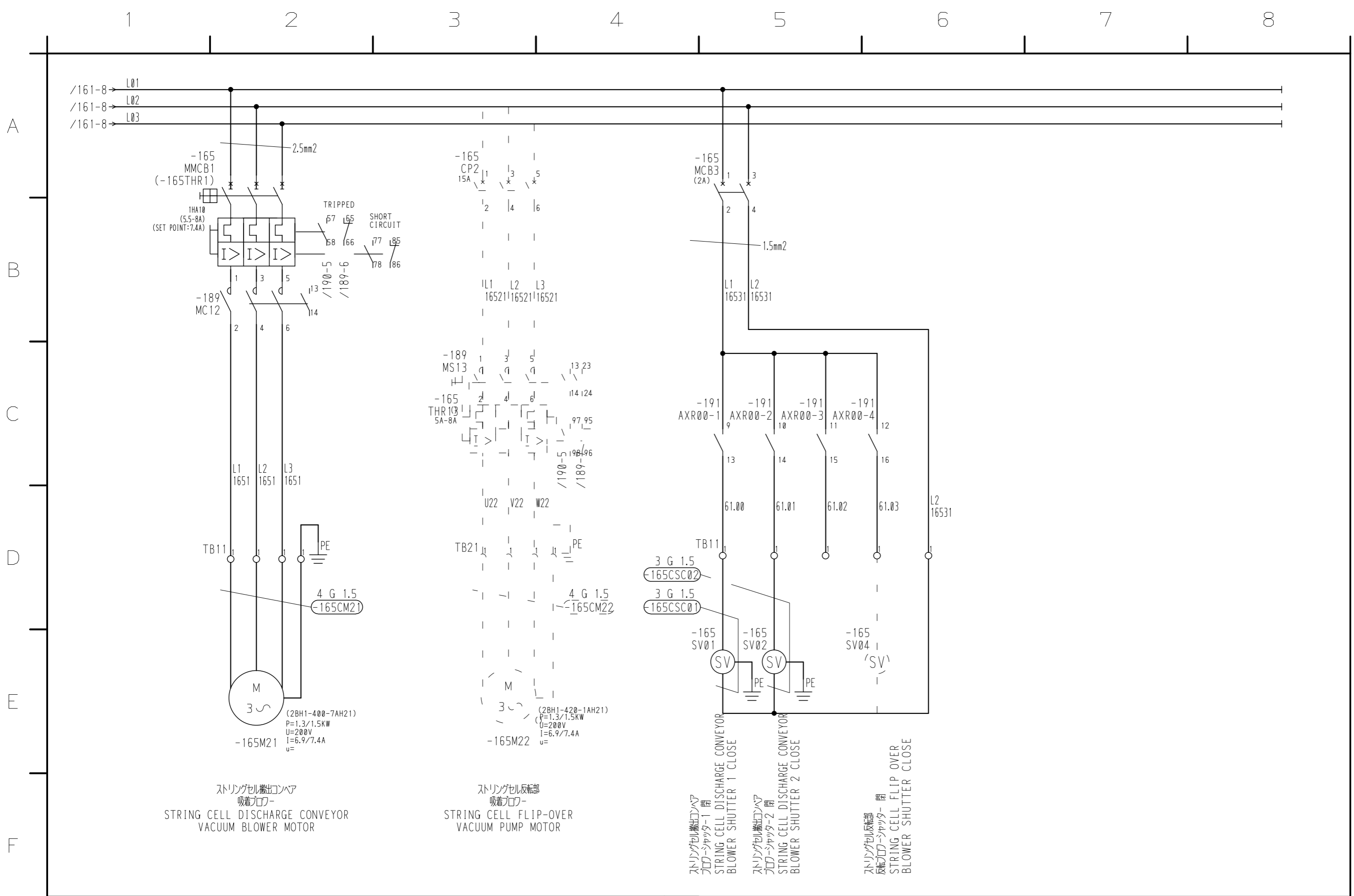
TB11
0V0 → /240-1
+24V2 → /240-1

TB11
7 G 1.5 (AWG16)
-11CS11

/011-7 → 0V0
/011-7 → +24V0B
/011-7 → +24V1B
/011-7 → +24V2

メイン制御BOX(BC-M)より
FROM MAIN CONTROL BOX (BC-M)

REV.						PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源 動力回路(4/)DC電源 POWER SUPPLY & POWER CIRCUIT(4/) DC POWER SUPPLY	SH. NO.
								DWG. NO	18003587-02-SD	164
						NPC Incorporated				



REV.		REV.		PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源・動力回路(5/)予備図 POWER SUPPLY & POWER CIRCUIT(5/) SPARE	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	165

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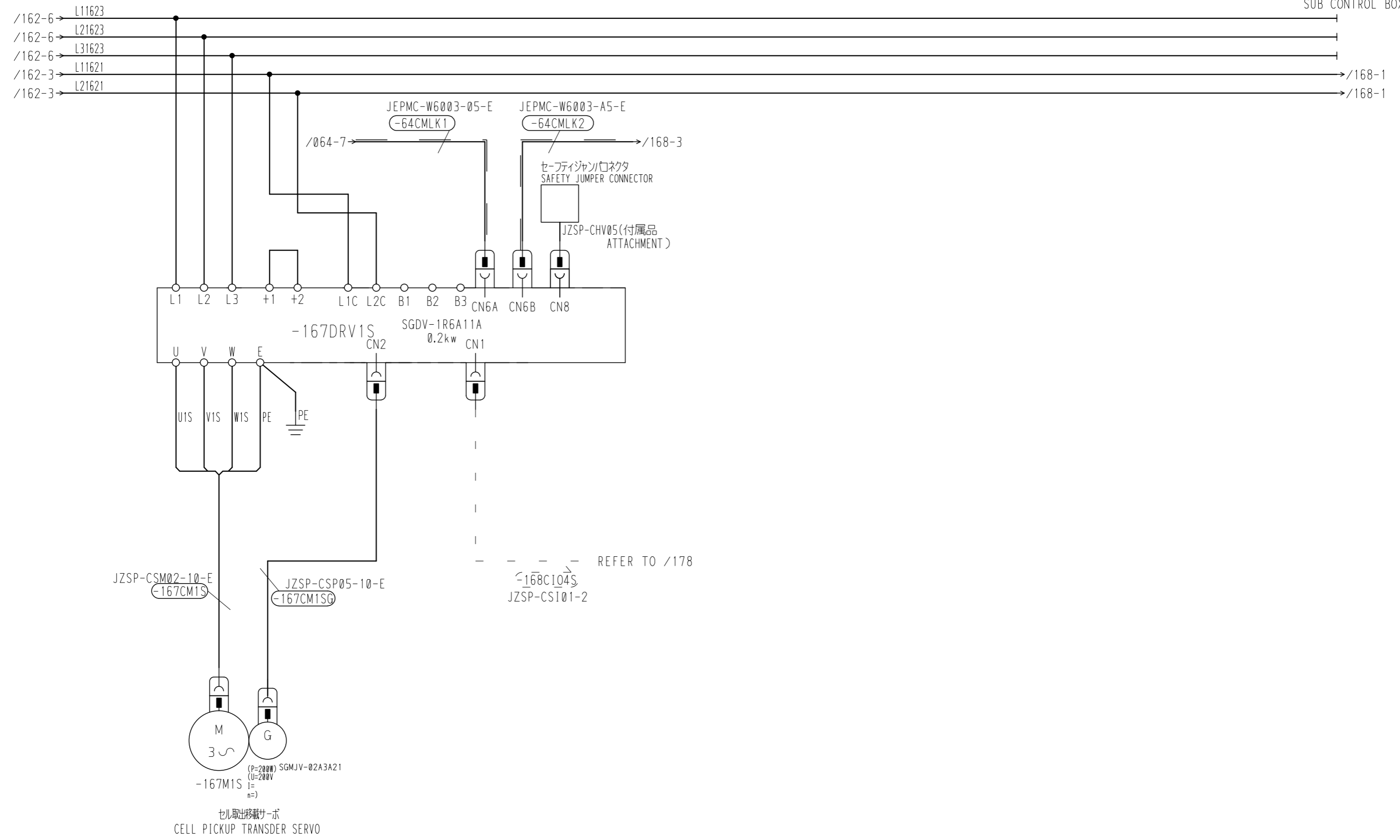
F

									PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(6/)予備図 POWER SUPPLY & POWER CIRCUIT(6/) SPARE	SH. NO.
									 NPC Incorporated	DWG. NO	18003587-02-SD	166	
REV.				REV.									

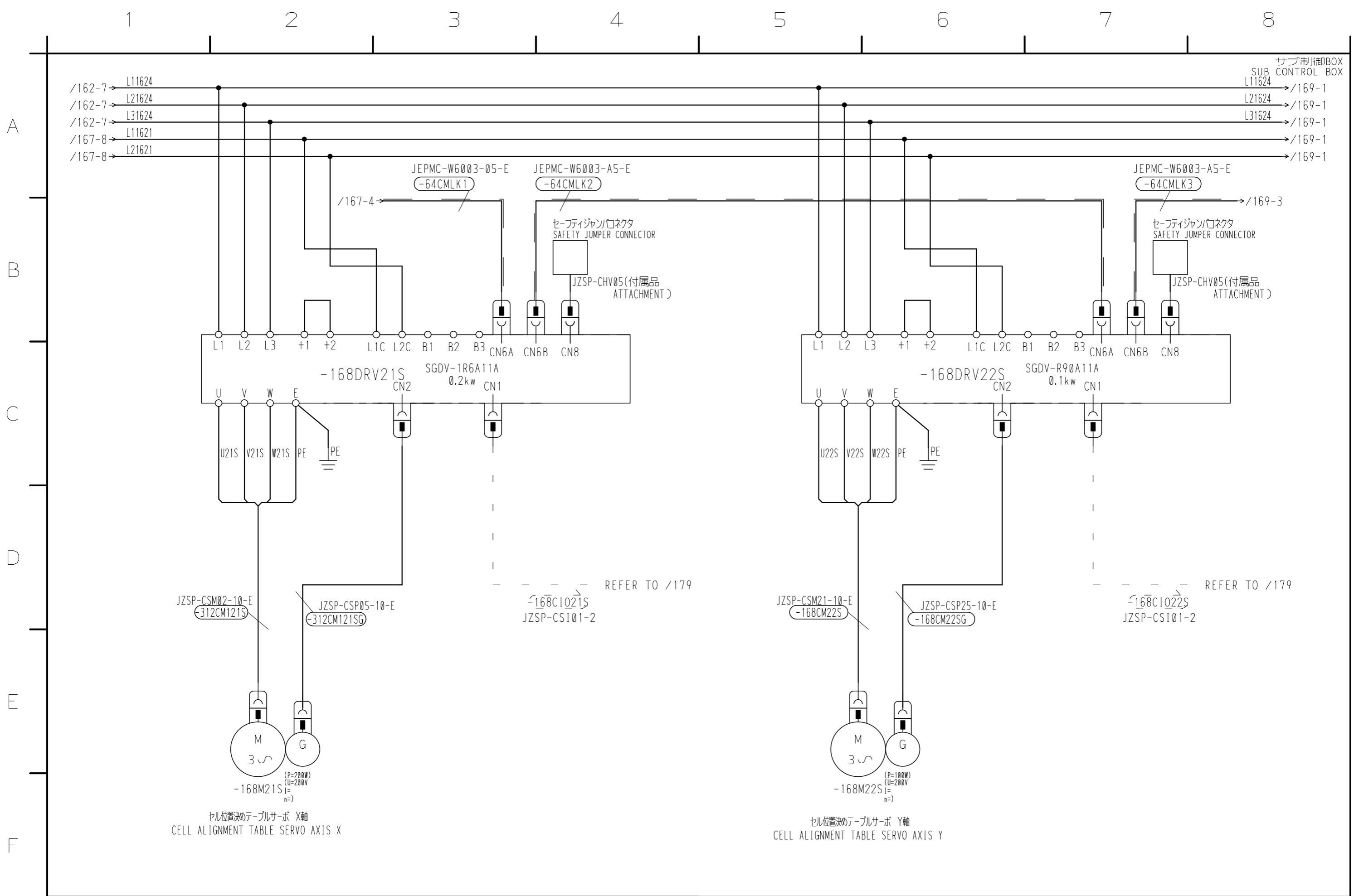
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サブ制御BOX
SUB CONTROL BOX



REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(7/)予備図 POWER SUPPLY & POWER CIRCUIT(7/) SPARE	SH. NO.	
								NPC Incorporated		DWG. NO	18003587-02-SD	167	

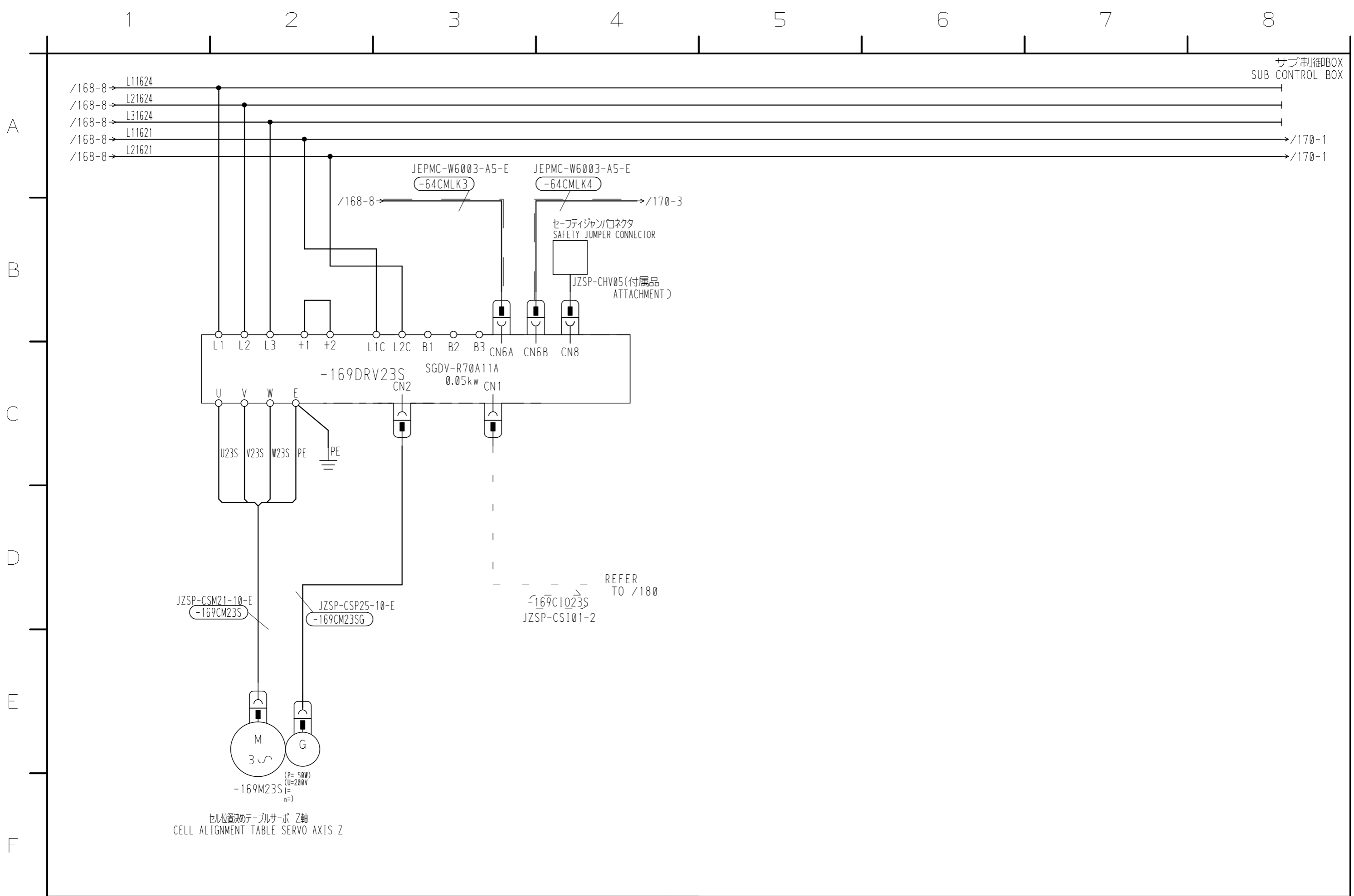


セル位置決めテーブルサーボ X軸
CELL ALIGNMENT TABLE SERVO AXIS X

セル位置決めテーブルサーボ Y軸
CELL ALIGNMENT TABLE SERVO AXIS Y

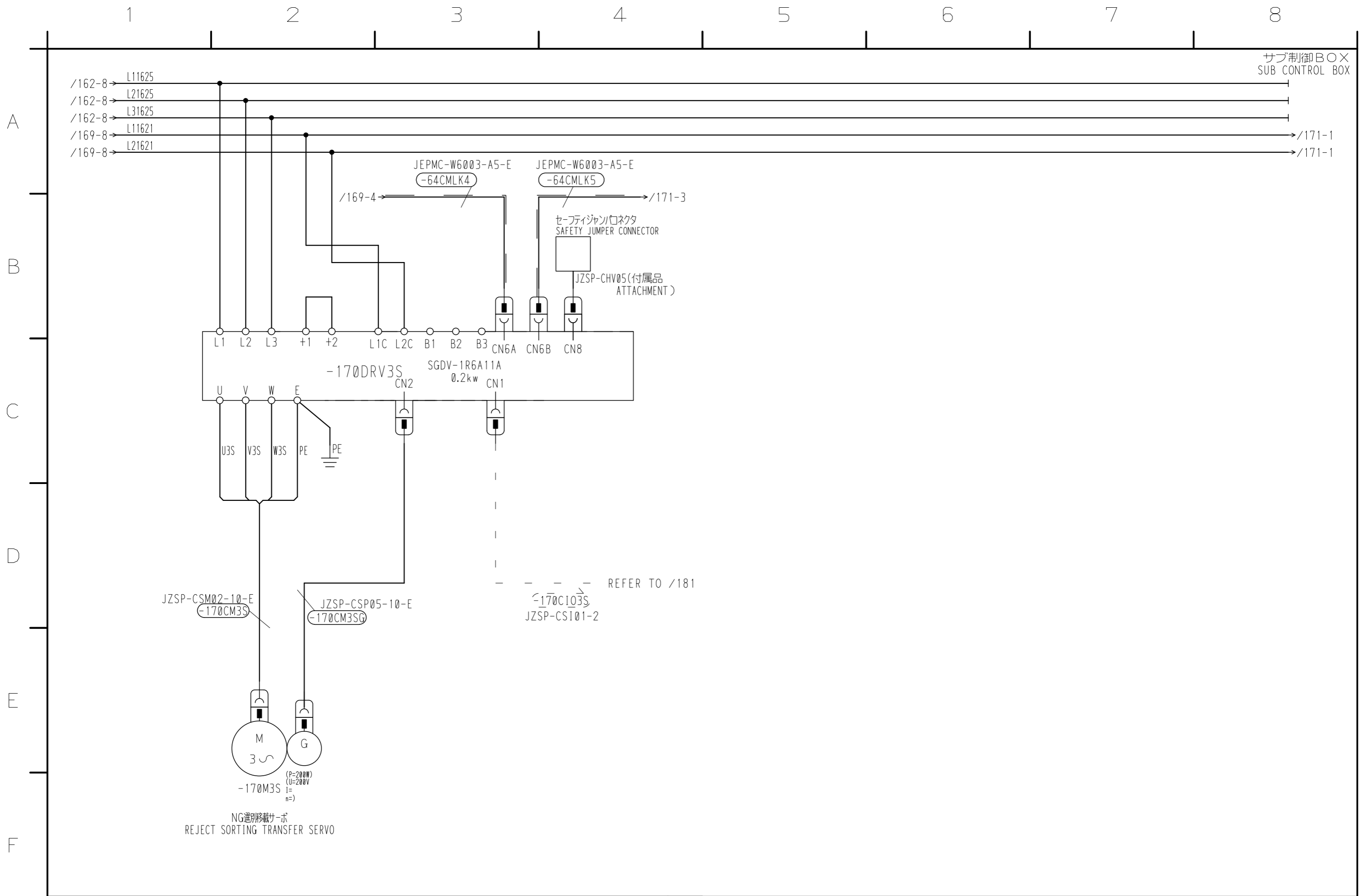
REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源・動力回路(7/)予備図 POWER SUPPLY & POWER CIRCUIT(7/) SPARE	SH. NO.	
										DWG. NO	18003587-02-SD	168	

NPC Incorporated

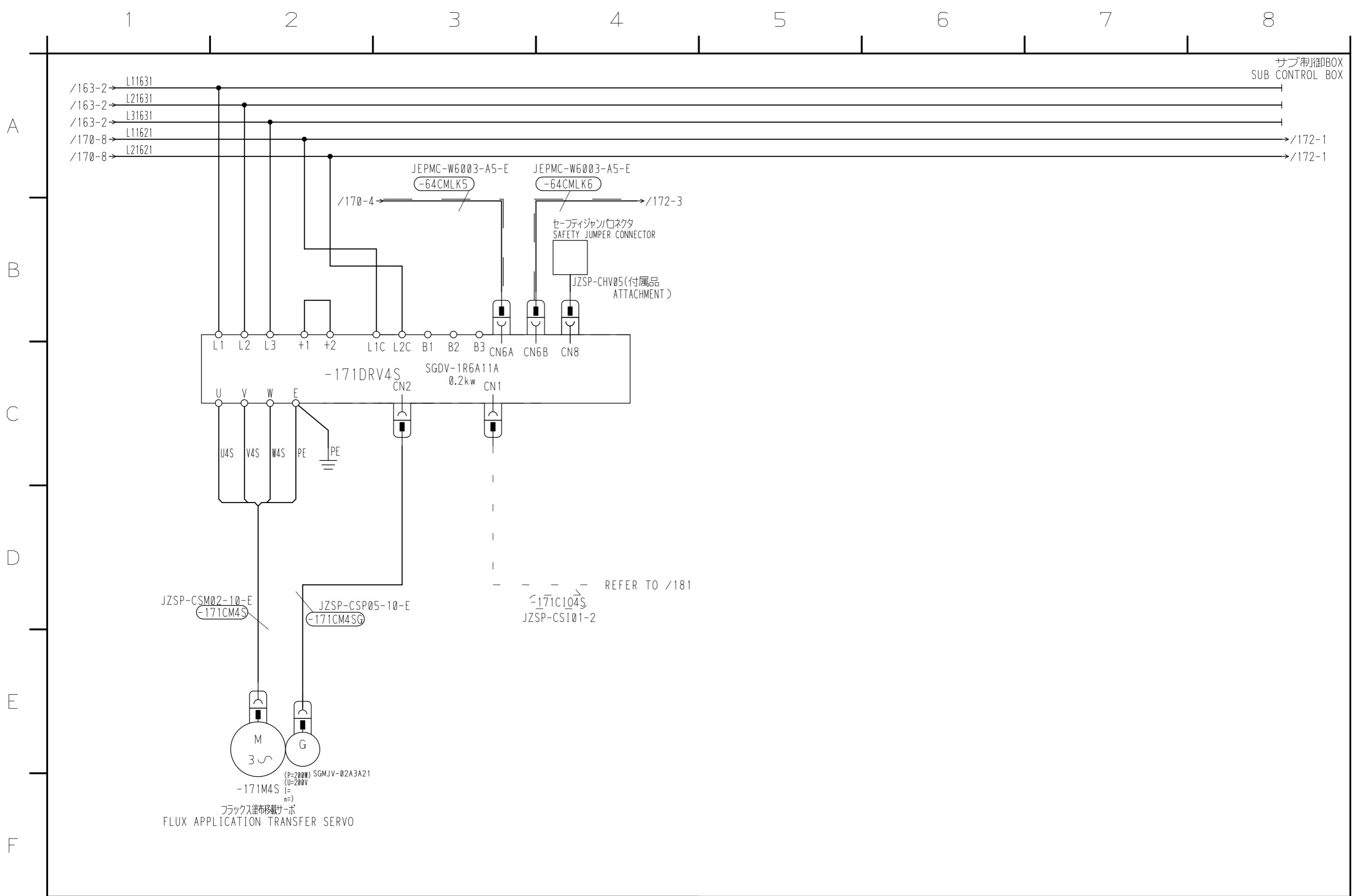


セル位置決めテーブルサーボ Z軸
CELL ALIGNMENT TABLE SERVO AXIS Z

REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(8/)フラックス移載サーボ POWER SUPPLY & POWER CIRCUIT(8/) FLUX TRANSFER SERVO MOTOR	SH. NO.	
								NPC Incorporated		DWG. NO	18003587-02-SD	169	



REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(8/)フラックス転載サーボ POWER SUPPLY & POWER CIRCUIT(8/) FLUX TRANSFER SERVO MOTOR	SH. NO.	
										DWG. NO	18003587-02-SD	170	
								NPC Incorporated					

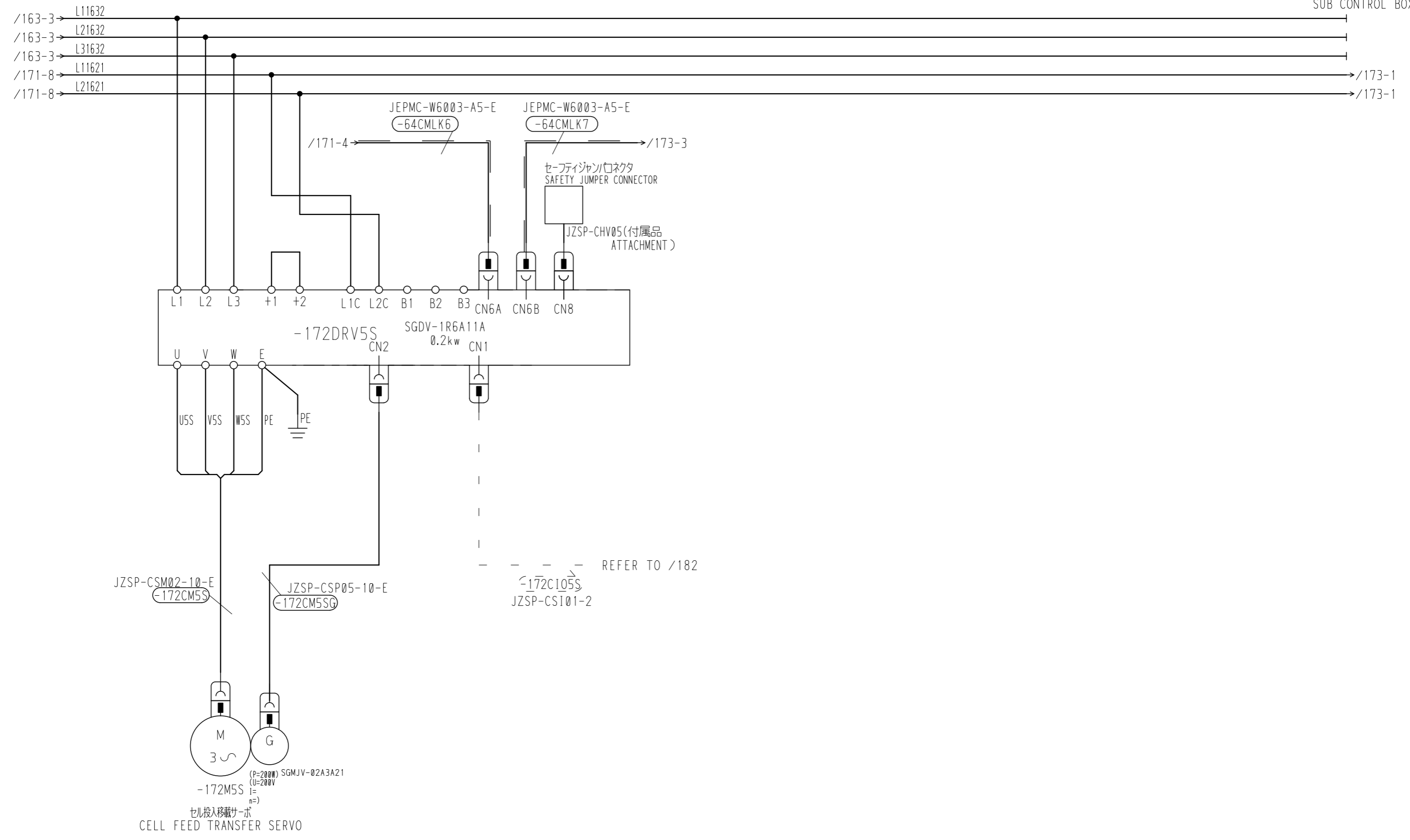


REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(8/)フラックス移動サーボ。 POWER SUPPLY & POWER CIRCUIT(8/) FLUX TRANSFER SERVO MOTOR	SH. NO.	
								NPC Incorporated		DWG. NO	18003587-02-SD	171	

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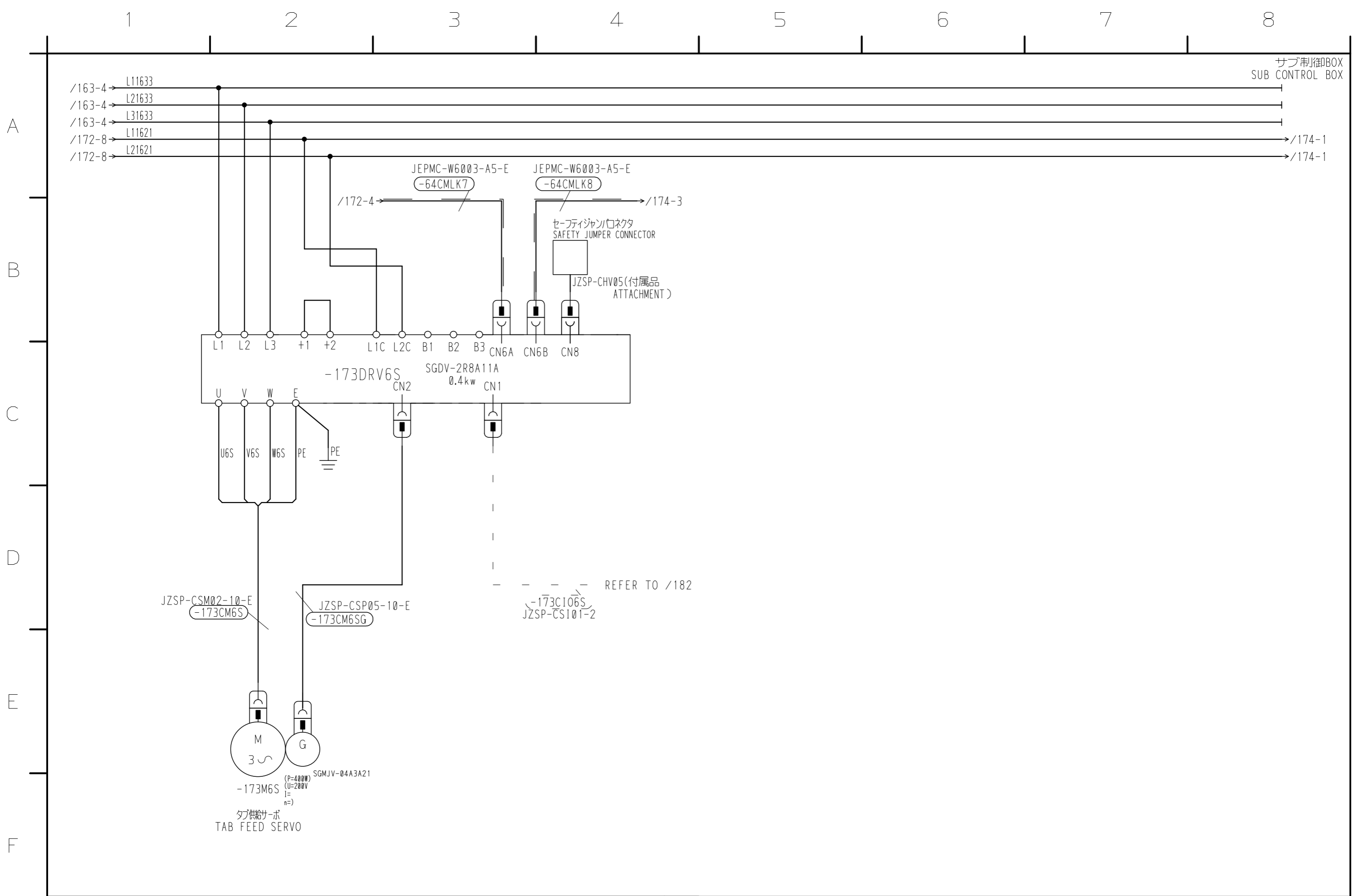
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サブ制御BOX
SUB CONTROL BOX



REFER TO /182

REV.										PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(9/)セル投入移載サ-ボ POWER SUPPLY & POWER CIRCUIT(9/) CELL FEED SERVO MOTOR	SH. NO.
										NPC Incorporated		DWG. NO	18003587-02-SD	172

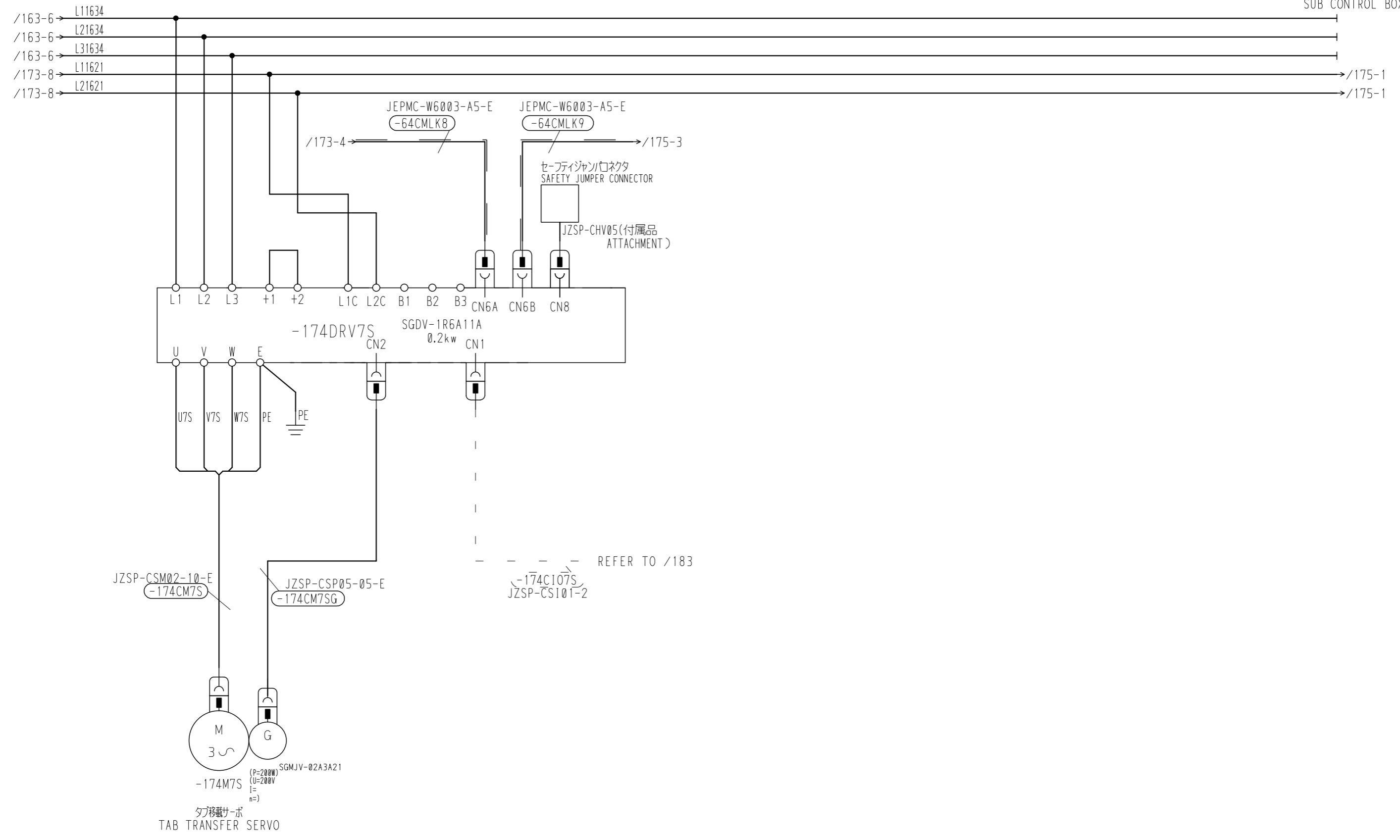


REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(10%)タブ供給サーボ POWER SUPPLY & POWER CIRCUIT(10%) TAB FEED SERVO MOTOR	SH. NO.	
								NPC Incorporated		DWG. NO	18003587-02-SD	173	

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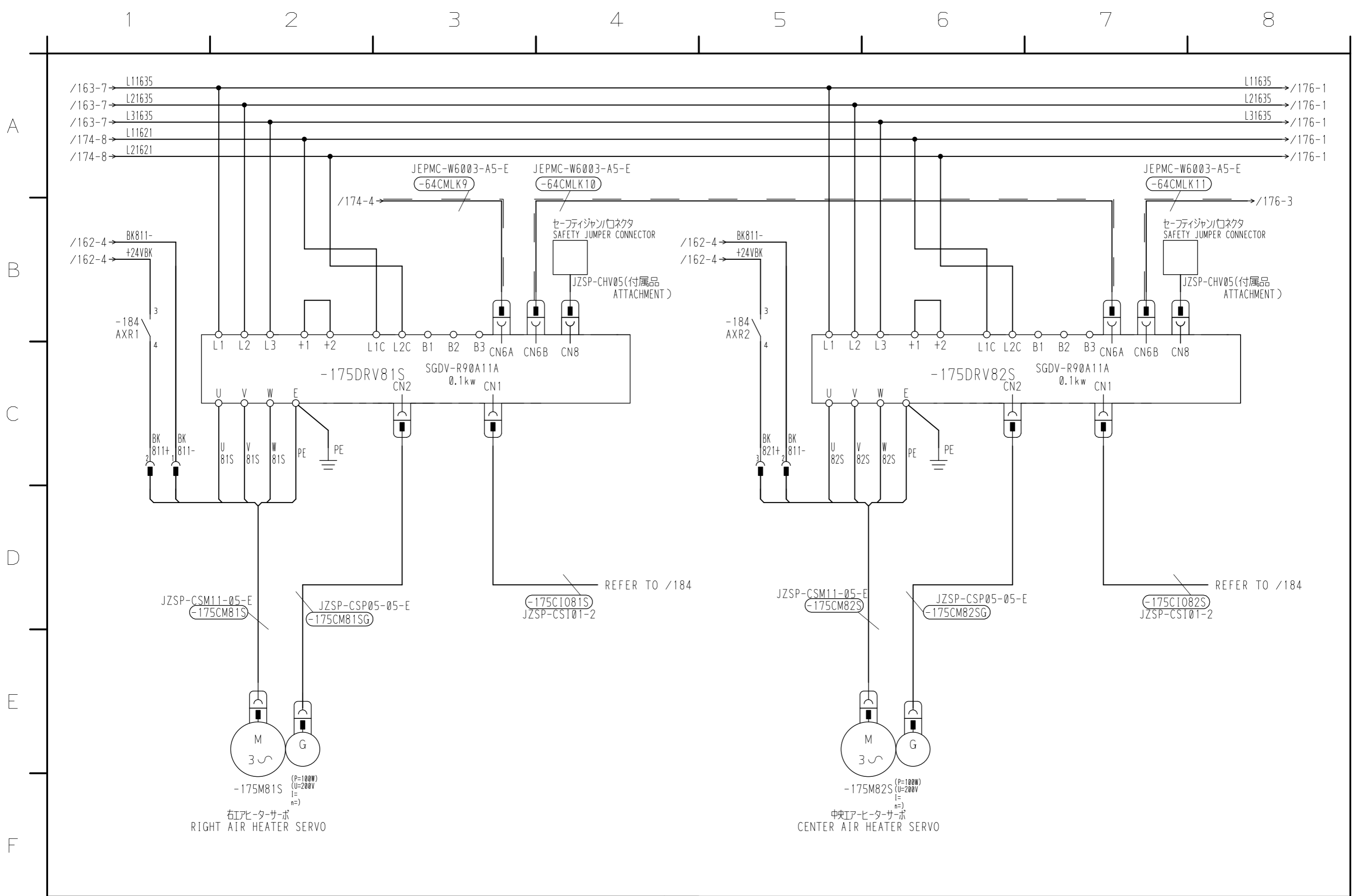
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サブ制御BOX
SUB CONTROL BOX

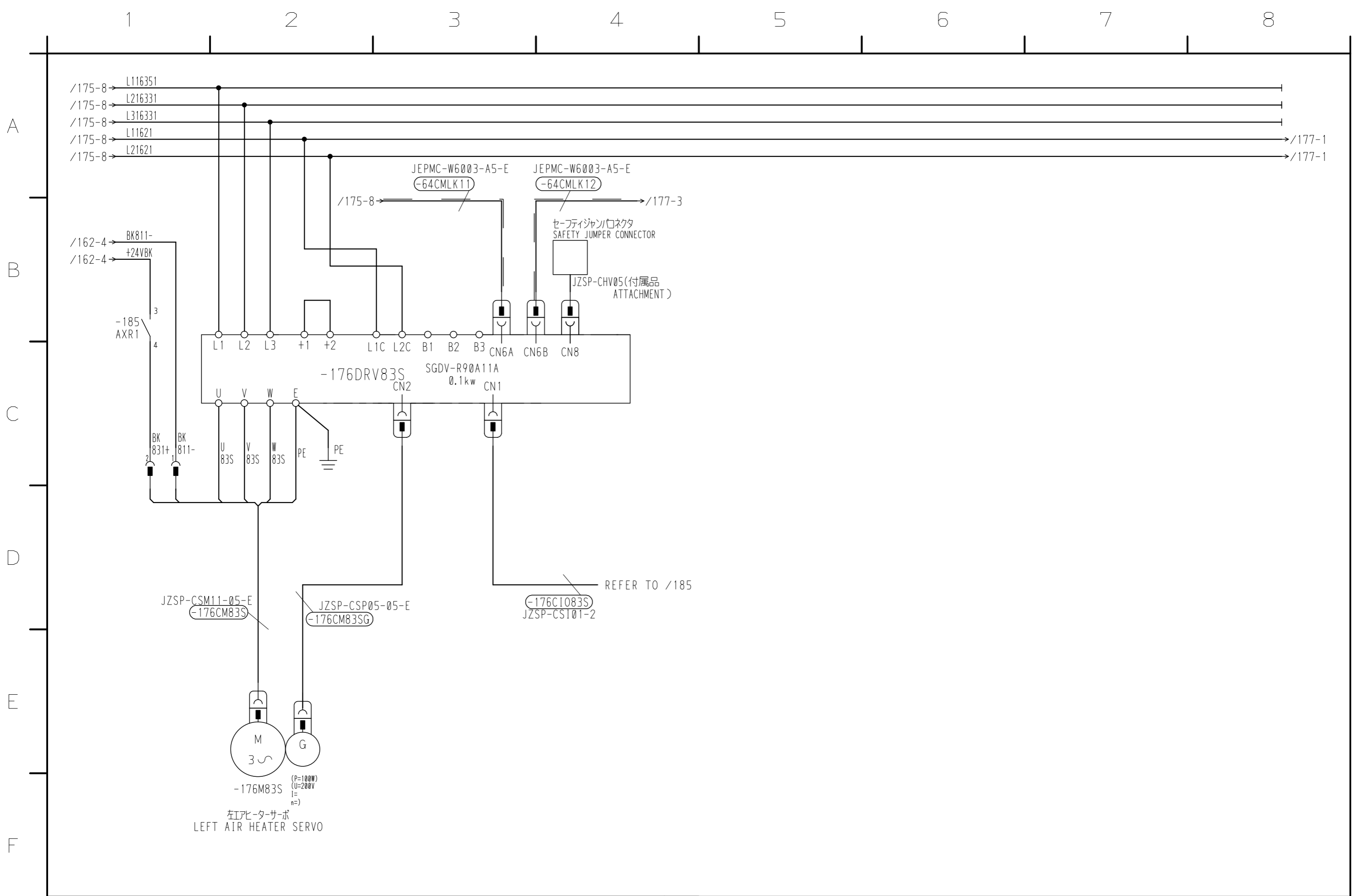


REFER TO /183

REV.									PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(11/)タブ供給サーボ POWER SUPPLY & POWER CIRCUIT(11/) TAB TRANSFER SERVO MOTOR	SH. NO.
									NPC Incorporated		DWG. NO	18003587-02-SD	174



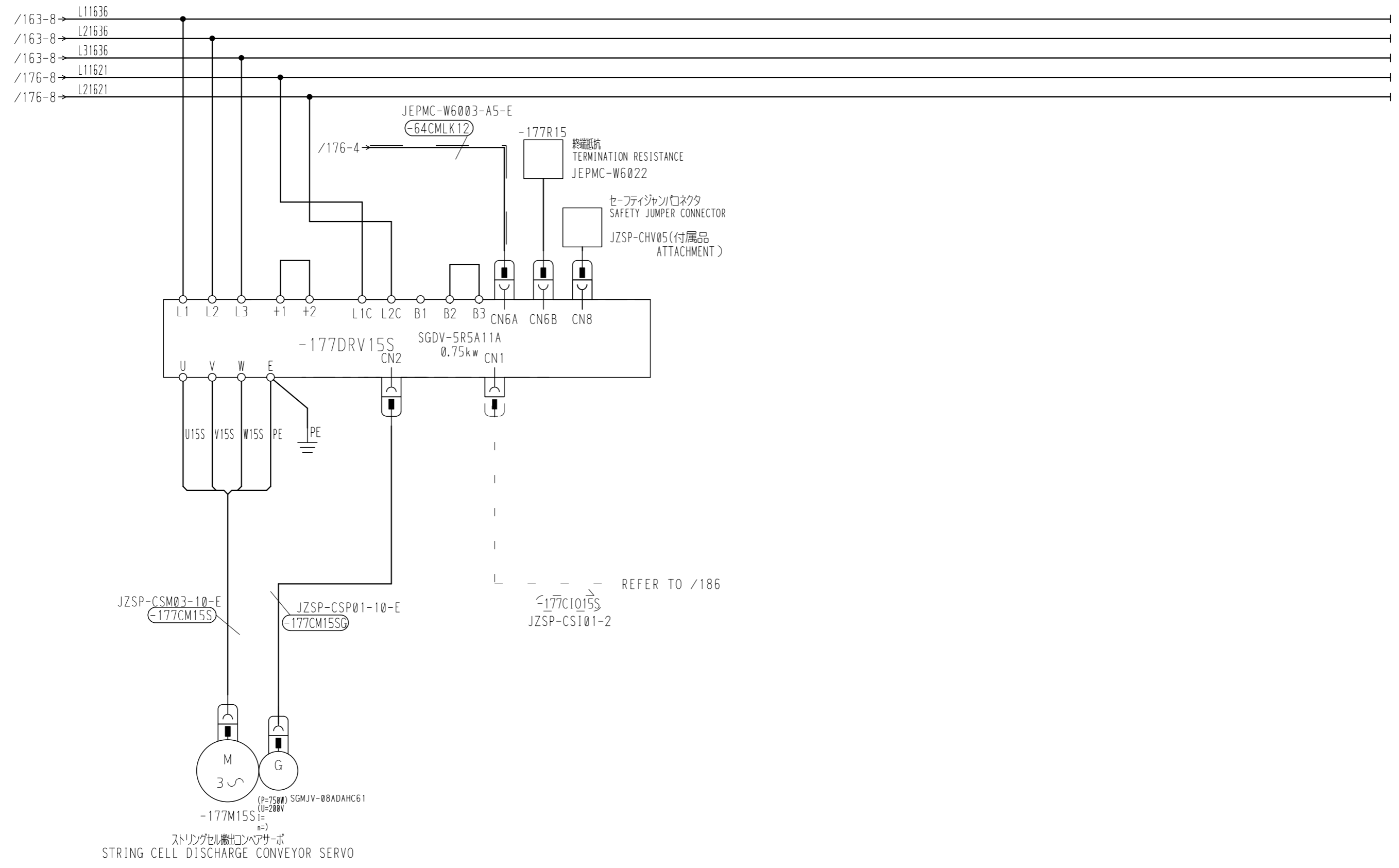
REV.							PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(12/)予備図 POWER SUPPLY & POWER CIRCUIT(12/) SPARE	SH. NO.
							NPC Incorporated		DWG. NO	18003587-02-SD	175



REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(13/)予備図 POWER SUPPLY & POWER CIRCUIT(13/) SPARE	SH. NO.
										DWG. NO	18003587-02-SD	176
								NPC Incorporated				

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REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	電源、動力回路(14/)予備図 POWER SUPPLY & POWER CIRCUIT(14/) SPARE	SH. NO.	
								NPC Incorporated		DWG. NO	18003587-02-SD	177	

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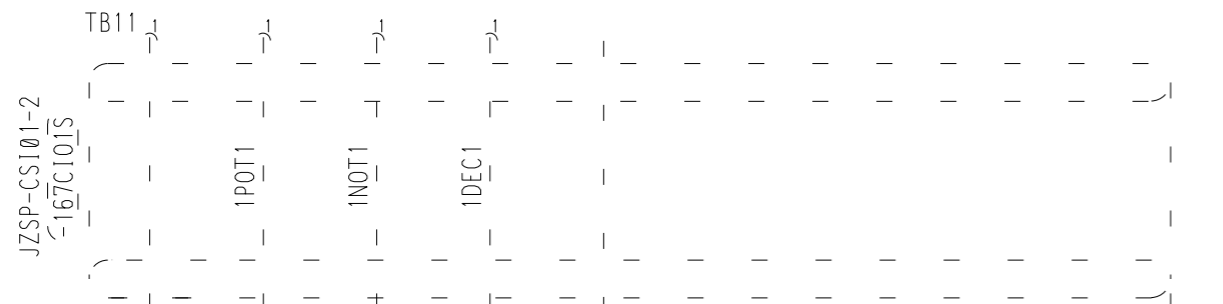
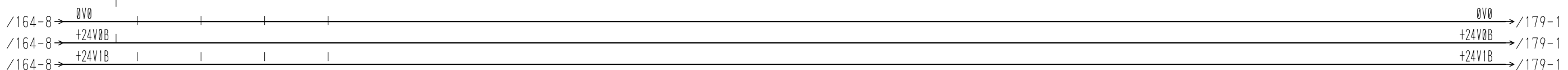
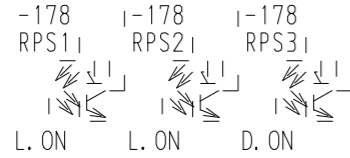
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SERVO DRIVER	-167DRV1S	CN1	NAME	PIN
SGDV-1R6A11A			+24VIN	6
			(0V)	
セル取出稼働ホース 正転禁止位置(+0T)			P-OT	7
CELL PICKUP TRANSFER SERVO FWD. RUN OVERTRAVEL POSITION				
セル取出稼働ホース 逆転禁止位置(-0T)			N-OT	8
CELL PICKUP TRANSFER SERVO REW. RUN OVERTRAVEL POSITION			/DEC	9
セル取出稼働ホース 原点復帰位置			/EXT1	10
CELL PICKUP TRANSFER SERVO HOMING SLOWDOWN POSITION			/EXT2	11
			/EXT3	12
			/BK+	1
			/BK-	2
			コネクタシールド CONNECTOR SHELL	

REV.						PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	サーボ入力回路(1/). SERVO INPUT CIRCUIT(1/) CELL TRANSFER SERVO	SH. NO.
								DWG. NO	18003587-02-SD	178

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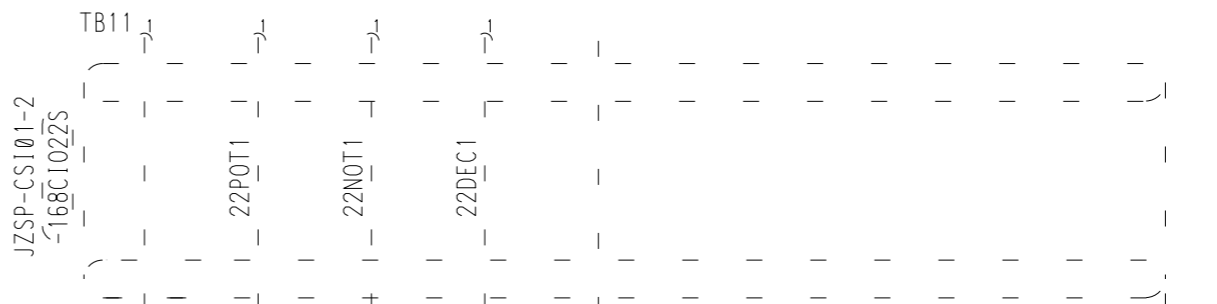
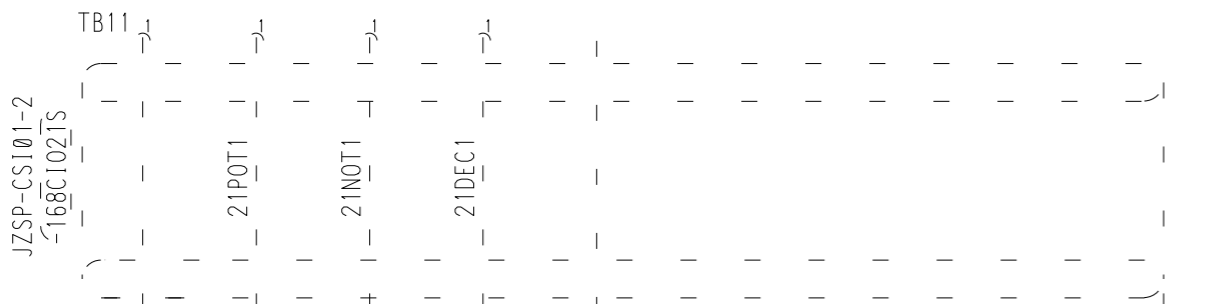
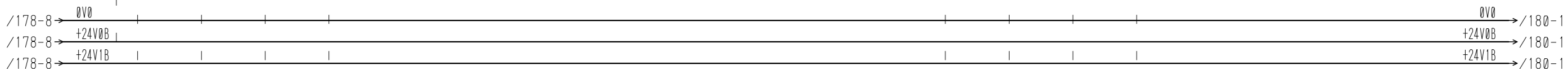
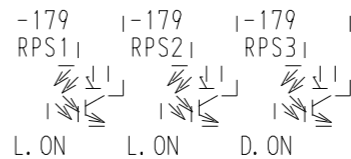
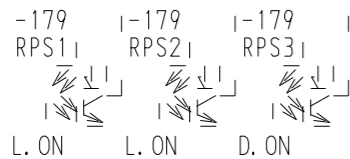
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SERVO DRIVER	CN1	NAME	PIN
SGDV-1R6A11A		+24VIN	6
		(0V)	
セル位置決めテーブル X軸ホース 正転動禁止位置 (+0T)		P-OT	7
CELL ALIGNMENT TABLE AXIS X SERVO FWD. RUN OVERTRAVEL POSITION			
セル位置決めテーブル X軸ホース 逆転動禁止位置 (-0T)		N-OT	8
CELL ALIGNMENT TABLE AXIS X SERVO REW. RUN OVERTRAVEL POSITION			
セル位置決めテーブル X軸ホース 原点復帰減速位置		/DEC	9
CELL ALIGNMENT TABLE AXIS X SERVO HOMING SLOWDOWN POSITION			
		/EXT1	10
		/EXT2	11
		/EXT3	12
		/BK+	1
		/BK-	2
		コネクタシールド CONNECTOR SHELL	

SERVO DRIVER	CN1	NAME	PIN
SGDV-1R6A11A		+24VIN	6
		(0V)	
セル位置決めテーブル Y軸ホース 正転動禁止位置 (+0T)		P-OT	7
CELL ALIGNMENT TABLE AXIS Y SERVO FWD. RUN OVERTRAVEL POSITION			
セル位置決めテーブル Y軸ホース 逆転動禁止位置 (-0T)		N-OT	8
CELL ALIGNMENT TABLE AXIS Y SERVO REW. RUN OVERTRAVEL POSITION			
セル位置決めテーブル Y軸ホース 原点復帰減速位置		/DEC	9
CELL ALIGNMENT TABLE AXIS Y SERVO HOMING SLOWDOWN POSITION			
		/EXT1	10
		/EXT2	11
		/EXT3	12
		/BK+	1
		/BK-	2
		コネクタシールド CONNECTOR SHELL	

REV.		PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	サーボ入力回路(2/). SERVO INPUT CIRCUIT(2/) CELL TRANSFER SERVO	SH. NO.	
				DWG. NO	18003587-02-SD	179	

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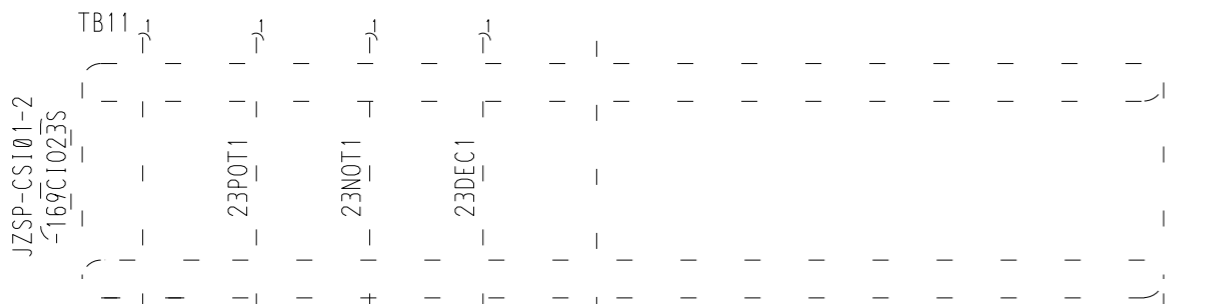
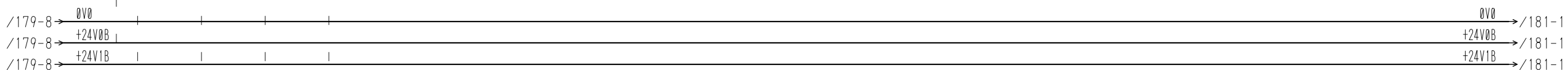
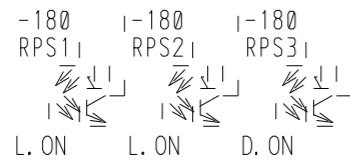
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SERVO DRIVER	-169DRV23S	
SGDV-1R6A11A	CN1	
COMMENT	NAME	PIN
	+24VIN	6
	(0V)	
セル位置決めθ軸ホ 正転禁止位置(+0T)	P-OT	7
CELL ALIGNMENT TABLE AXIS θ SERVO FWD. RUN OVERTRAVEL POSITION		
セル位置決めθ軸ホ 逆転禁止位置(-0T)	N-OT	8
CELL ALIGNMENT TABLE AXIS θ SERVO REW. RUN OVERTRAVEL POSITION		
セル位置決めθ軸ホ 原点復帰位置	/DEC	9
CELL ALIGNMENT TABLE AXIS θ SERVO HOMING SLOWDOWN POSITION		
	/EXT1	10
	/EXT2	11
	/EXT3	12
	/BK+	1
	/BK-	2
	コネクタシエル CONNECTOR SHELL	

REV.		REV.		PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	サーボ入力回路(3/). SERVO INPUT CIRCUIT(3/) CELL TRANSFER SERVO	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	180

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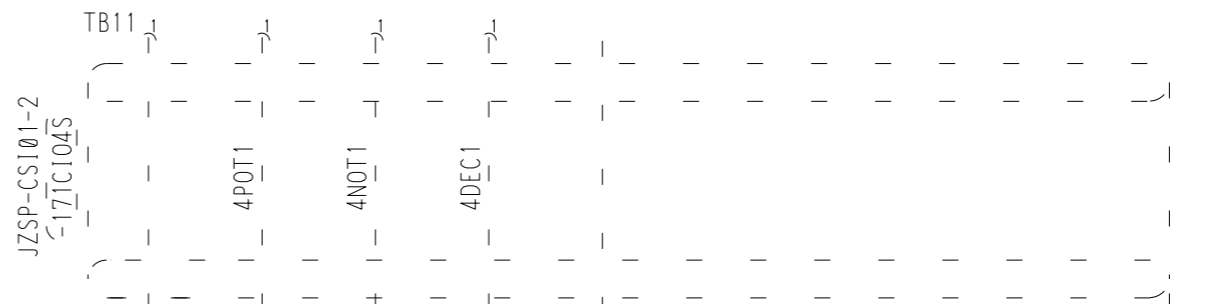
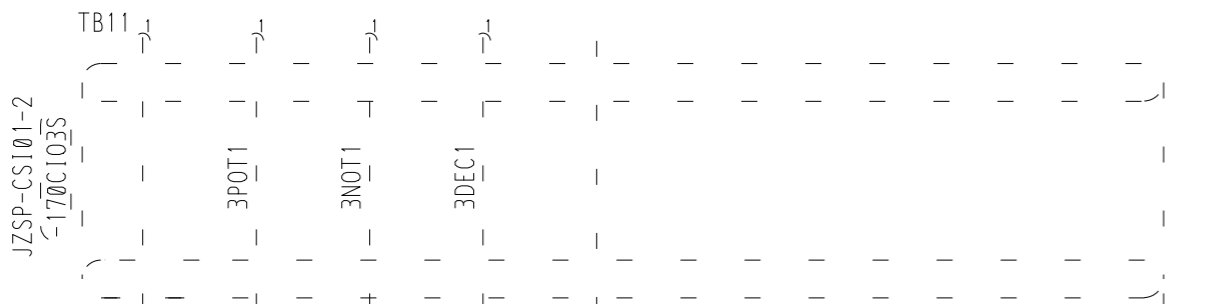
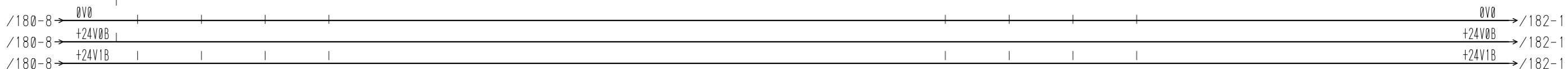
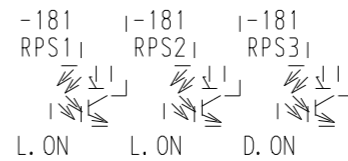
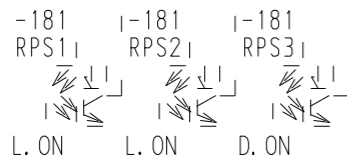
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SERVO DRIVER	-170DRV3S	CN1	PIN
SGDV-1R6A11A			
COMMENT			
	+24VIN		6
	(0V)		
NG選択移動モード 正転動禁止位置(+0T)	P-OT		7
ING SORTING TRANSFER SERVO FWD. RUN OVERTRAVEL POSITION			
NG選択移動モード 逆転動禁止位置(-0T)	N-OT		8
ING SORTING TRANSFER SERVO REW. RUN OVERTRAVEL POSITION			
NG選択移動モード 原点復帰減速位置	/DEC		9
ING SORTING TRANSFER SERVO HOMING SLOWDOWN POSITION			
	/EXT1		10
	/EXT2		11
	/EXT3		12
	/BK+		1
	/BK-		2
	コネクタシールド CONNECTOR SHELL		

SERVO DRIVER	-171DRV4S	CN1	PIN
SGDV-1R6A11A			
COMMENT			
	+24VIN		6
	(0V)		
フラックス塗布移動モード 正転動禁止位置(+0T)	P-OT		7
FLUX APPL. TRANSFER SERVO FWD. RUN OVERTRAVEL POSITION			
フラックス塗布移動モード 逆転動禁止位置(-0T)	N-OT		8
FLUX APPL. TRANSFER SERVO REW. RUN OVERTRAVEL POSITION			
フラックス塗布移動モード 原点復帰減速位置	/DEC		9
FLUX APPL. TRANSFER SERVO HOMING SLOWDOWN POSITION			
	/EXT1		10
	/EXT2		11
	/EXT3		12
	/BK+		1
	/BK-		2
	コネクタシールド CONNECTOR SHELL		

REV.		REV.		PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	サーボ入力回路(4/). SERVO INPUT CIRCUIT(4/) CELL TRANSFER SERVO	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	181

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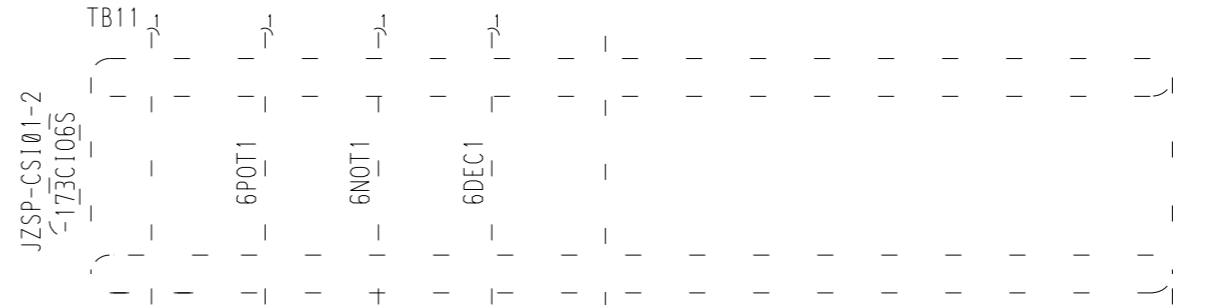
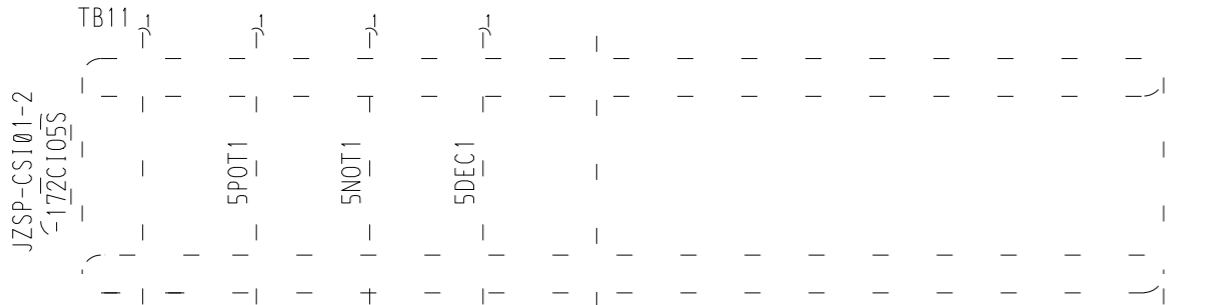
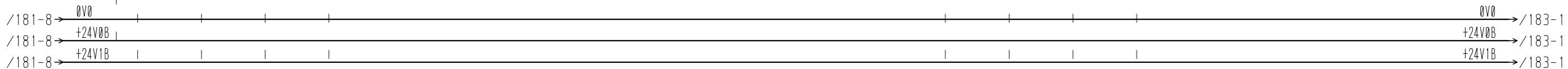
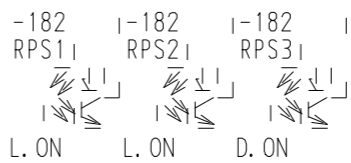
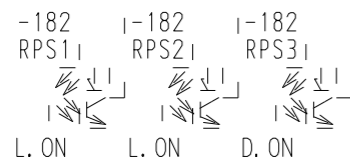
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SERVO DRIVER	-172DRV5S	CN1	NAME	PIN
SGDV-1R6A11A			+24VIN	6
COMMENT			(0V)	
タテ供給ポート			P-OT	7
正転禁止位置(+0T)				
TAB FEED SERVO				
FWD.RUN OVERTRAVEL POSITION				
タテ供給ポート			N-OT	8
逆転禁止位置(-0T)				
TAB FEED SERVO				
REW.RUN OVERTRAVEL POSITION			/DEC	9
タテ供給ポート				
原点復帰位置			/EXT1	10
TAB FEED SERVO				
HOMING SLOWDOWN POSITION			/EXT2	11
			/EXT3	12
			/BK+	1
			/BK-	2
			コネクタシエル	
			CONNECTOR SHELL	

SERVO DRIVER	-173DRV6S	CN1	NAME	PIN
SGDV-1R6A11A			+24VIN	6
COMMENT			(0V)	
タテ供給ポート			P-OT	7
正転禁止位置(+0T)				
TAB TRANSFER SERVO				
FWD.RUN OVERTRAVEL POSITION				
タテ供給ポート			N-OT	8
逆転禁止位置(-0T)				
TAB TRANSFER SERVO				
REW.RUN OVERTRAVEL POSITION			/DEC	9
タテ供給ポート				
原点復帰位置			/EXT1	10
TAB TRANSFER SERVO			/EXT2	11
HOMING SLOWDOWN POSITION			/EXT3	12
			/BK+	1
			/BK-	2
			コネクタシエル	
			CONNECTOR SHELL	

REV.		REV.		PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	サーボ入力回路(5/). SERVO INPUT CIRCUIT(5/) CELL TRANSFER SERVO	SH. NO.
						DWG. NO	18003587-02-SD	182

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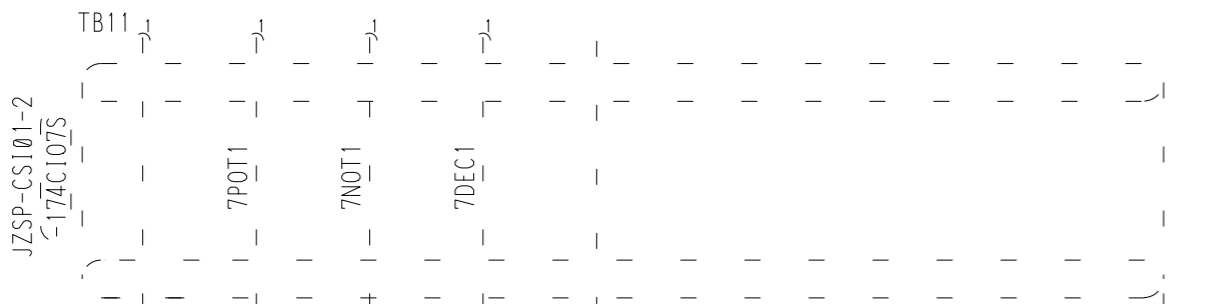
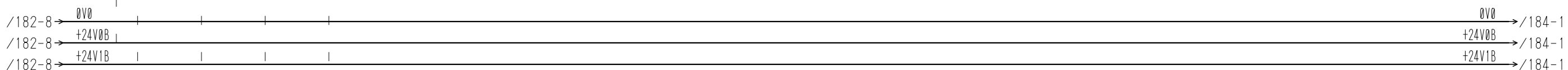
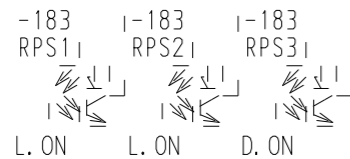
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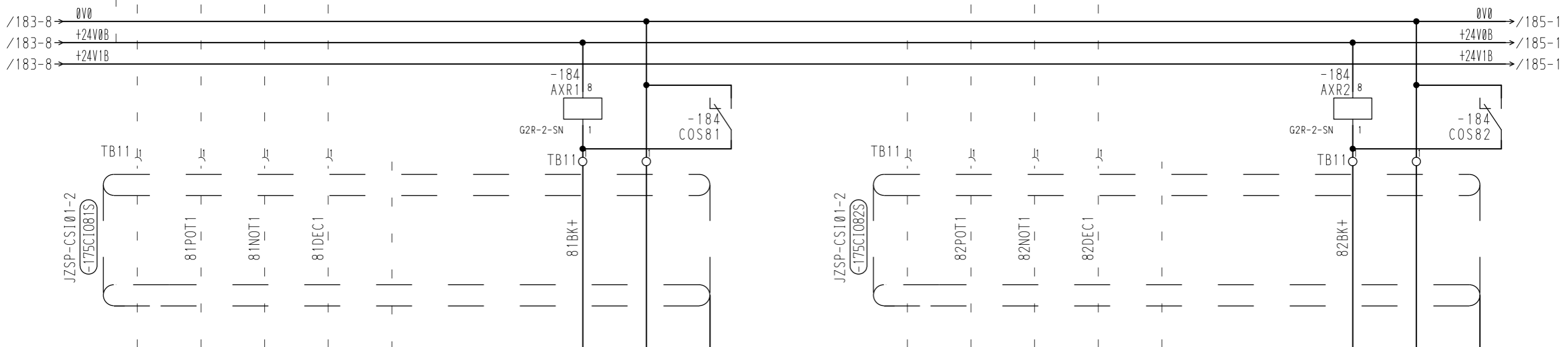
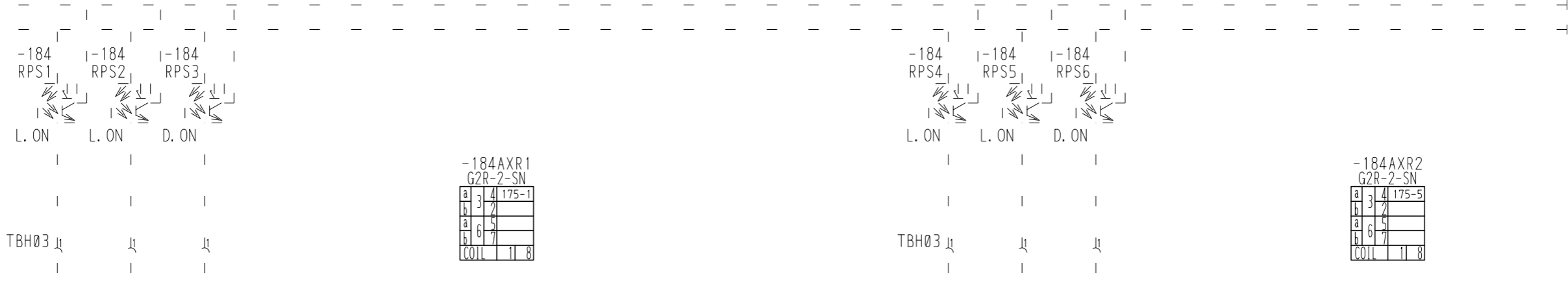
F



SERVO DRIVER	-174DRV7S	CN1	NAME	PIN
SGDV-1R6A11A			+24VIN	6
COMMENT			(0V)	
セル投入移動中-赤電源 正転禁止位置(+0T)			P-OT	7
CELL FEED SERVO FWD. RUN OVERTRAVEL POSITION				
セル投入移動中-赤電源 逆転禁止位置(-0T)			N-OT	8
CELL FEED SERVO REW. RUN OVERTRAVEL POSITION			/DEC	9
セル投入移動中-赤電源 原点復帰禁止位置			/EXT1	10
CELL FEED SERVO HOMING SLOWDOWN POSITION			/EXT2	11
			/EXT3	12
			/BK+	1
			/BK-	2
			コネクタシールド CONNECTOR SHELL	

REV.		REV.		PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	サーボ入力回路(6/). SERVO INPUT CIRCUIT(6/) CELL TRANSFER SERVO	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	183

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SERVO DRIVER	-175DRV81S	
SGDV-R90A11A	CN1	
COMMENT	NAME PIN	
	+24VIN (0V)	6
右アキターサーボ 正転禁止位置(+0T) RIGHT AIR HEATER SERVO FWD. RUN OVERTRAVEL POSITION	P-OT	7
右アキターサーボ 逆転禁止位置(-0T) RIGHT AIR HEATER SERVO REW. RUN OVERTRAVEL POSITION	N-OT	8
右アキターサーボ 原点復帰減速位置 RIGHT AIR HEATER SERVO HOMING SLOWDOWN POSITION	/DEC	9
	/EXT1	10
	/EXT2	11
	/EXT3	12
右アキターサーボ ブレーキ ON RIGHT AIR HEATER SERVO BRAKE ON	/BK+	1
	/BK-	2
	コネクタシールド CONNECTOR SHELL	

SERVO DRIVER	-175DRV82S	
SGDV-R90A11A	CN1	
COMMENT	NAME PIN	
	+24VIN (0V)	6
中央アキターサーボ 正転禁止位置(+0T) CENTER AIR HEATER SERVO FWD. RUN OVERTRAVEL POSITION	P-OT	7
中央アキターサーボ 逆転禁止位置(-0T) CENTER AIR HEATER SERVO REV. RUN OVERTRAVEL POSITION	N-OT	8
中央アキターサーボ 原点復帰減速位置 CENTER AIR HEATER SERVO HOMING SLOWDOWN POSITION	/DEC	9
	/EXT1	10
	/EXT2	11
	/EXT3	12
中央アキターサーボ ブレーキ ON CENTER AIR HEATER SERVO BRAKE ON	/BK+	1
	/BK-	2
	コネクタシールド CONNECTOR SHELL	

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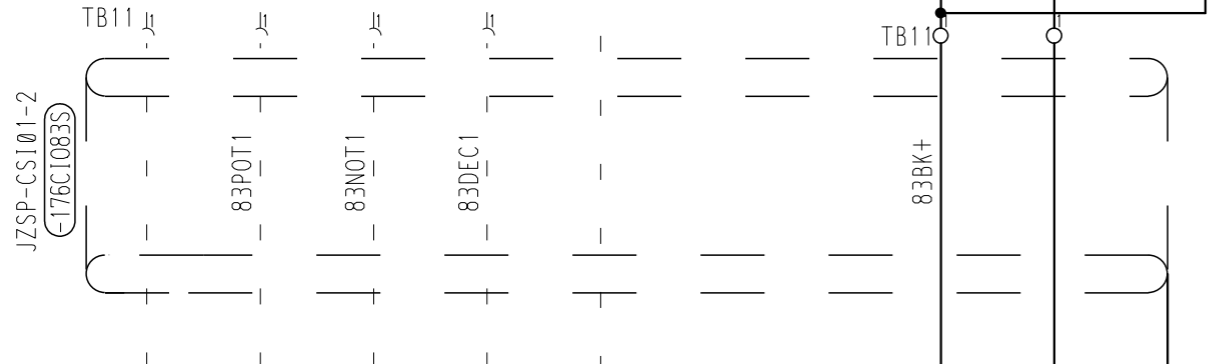
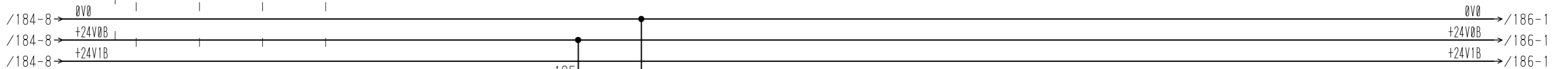
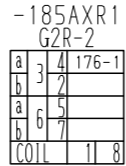
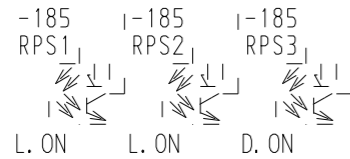
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SERVO DRIVER	-176DRV83S																				
SGDV-R90A11A	CN1	NAME	PIN																		
COMMENT		+24VIN	6																		
		(0V)																			
		P-OT	7																		
		N-OT	8																		
		/DEC	9																		
		/EXT1	10																		
		/EXT2	11																		
		/EXT3	12																		
		/BK+	1																		
		/BK-	2																		
		コネクタシールド																			
		CONNECTOR SHELL																			

左アキターサーボ
正転停止位置(+OT)
LEFT AIR HEATER SERVO
FWD. RUN OVERTRAVEL POSITION

左アキターサーボ
逆転停止位置(-OT)
LEFT AIR HEATER SERVO
REW. RUN OVERTRAVEL POSITION

左アキターサーボ
原点復帰位置
LEFT AIR HEATER SERVO
HOMING SLOWDOWN POSITION

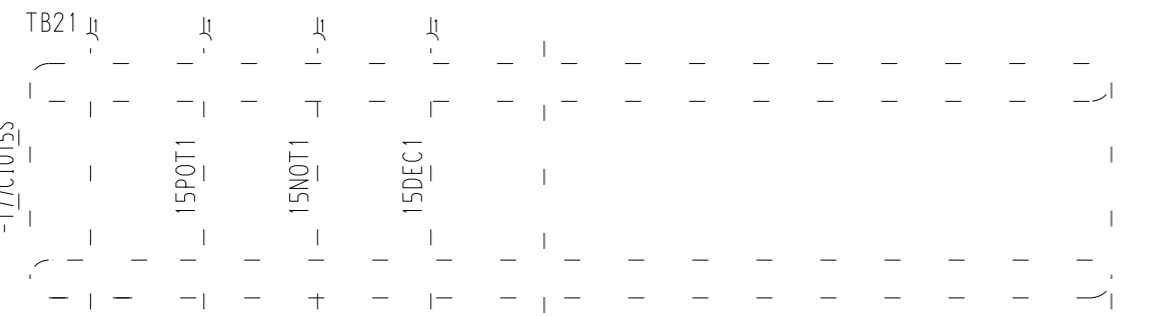
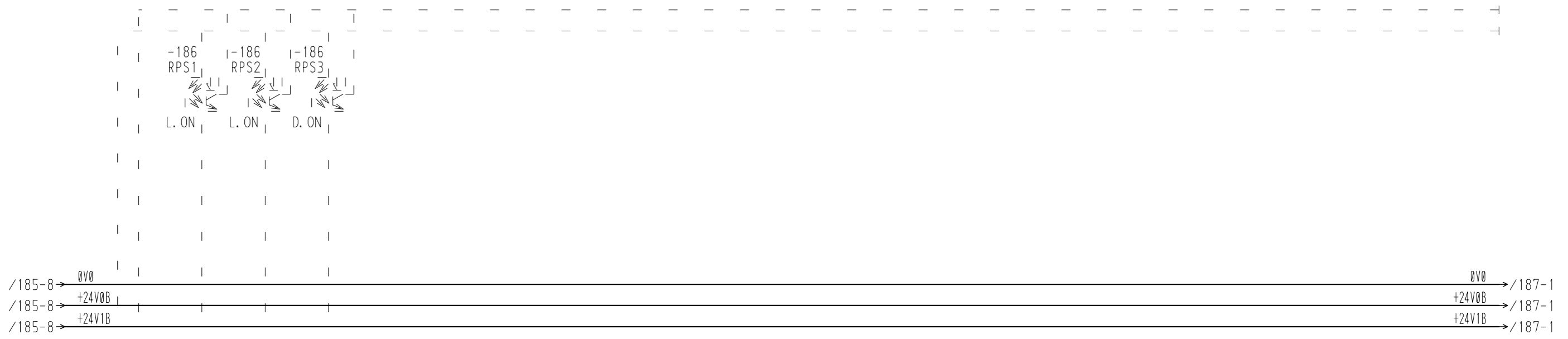
左アキターサーボ
ブレーキ ON
LEFT AIR HEATER SERVO
BRAKE ON

REV.																					

PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	サーボ入力回路(8/). SERVO INPUT CIRCUIT(8/) CELL TRANSFER SERVO	SH. NO.	
		DWG. NO	18003587-02-SD	185	

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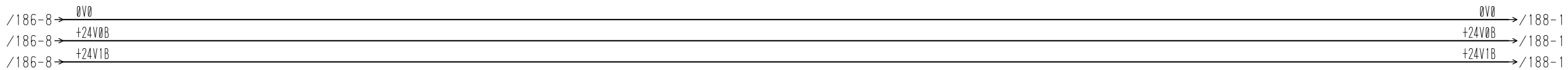


SERVO DRIVER	-177DRV15S															
SGDV-5R5A11A	CN1															
COMMENT	NAME	PIN														
	+24VIN	6														
	(0V)															
ストリッセル搬出コンパサボ 正轉動禁止位置(+0T)	P-OT	7														
CELL DISCHARGE CONVEYOR SERVO FWD. RUN OVERTRAVEL POSITION																
ストリッセル搬出コンパサボ 逆轉動禁止位置(-0T)	N-OT	8														
CELL DISCHARGE CONVEYOR SERVO REW. RUN OVERTRAVEL POSITION	/DEC	9														
ストリッセル搬出コンパサボ 原点復帰減速位置	/EXT1	10														
CELL DISCHARGE CONVEYOR SERVO HOMING SLOWDOWN POSITION	/EXT2	11														
	/EXT3	12														
	/BK+	1														
	/BK-	2														
	CONNECTOR SHELL															

REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	サーボ入力回路(9/). SERVO INPUT CIRCUIT(9/) CELL TRANSFER SERVO	SH. NO.
REV.								NPC Incorporated		DWG. NO	18003587-02-SD	186

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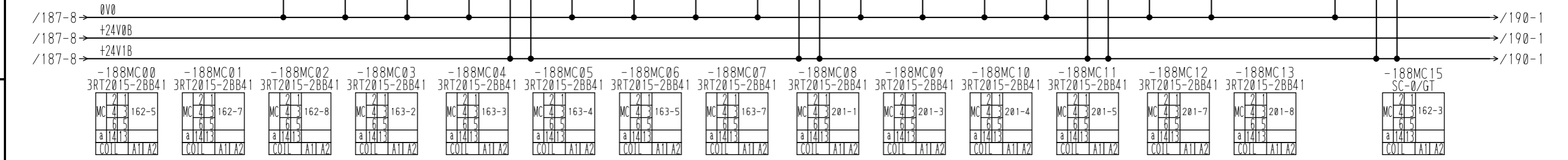
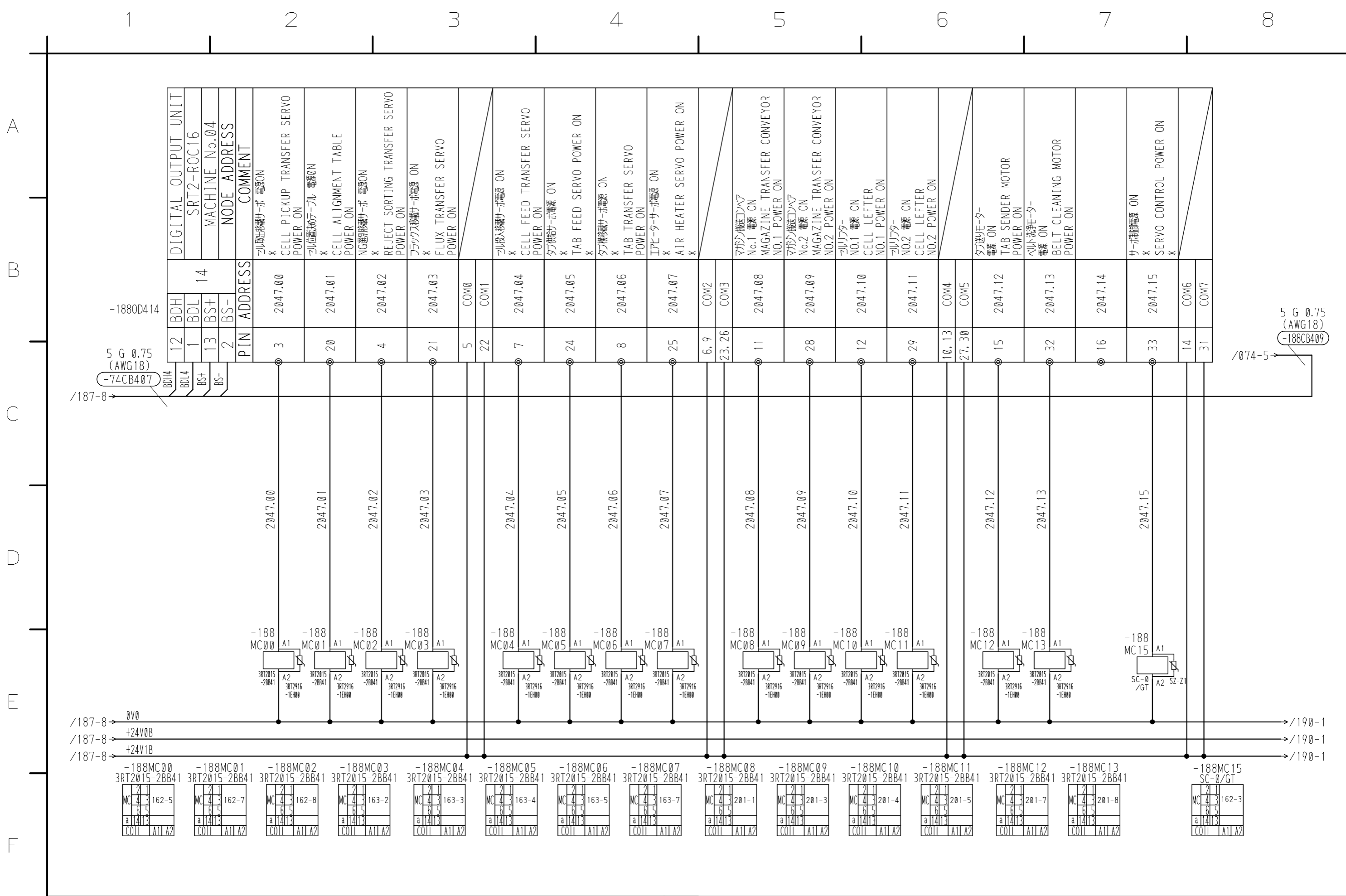
F

-74CB407
5 G 0.75
(AWG18)

-186ID410

DIGITAL INPUT UNIT																			
SRT2-ID08-1																			
MACHINE No.04																			
NODE ADDRESS																			
COMMENT																			
ADDRESS																			

REV.								PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	Bus/S入出力回路(3/4)予備図 Compo Bus/S I/O CIRCUIT(3/4) SPARE	SH. NO.	
REV.								NPC Incorporated	DWG. NO	18003587-02-SD		187	



REV.		PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	Bus/S入出力回路(4/4)ROC08. Compo Bus/S I/O CIRCUIT(4/4) ROC08	SH. NO.	188
			NPC Incorporated	DWG. NO	18003587-02-SD		

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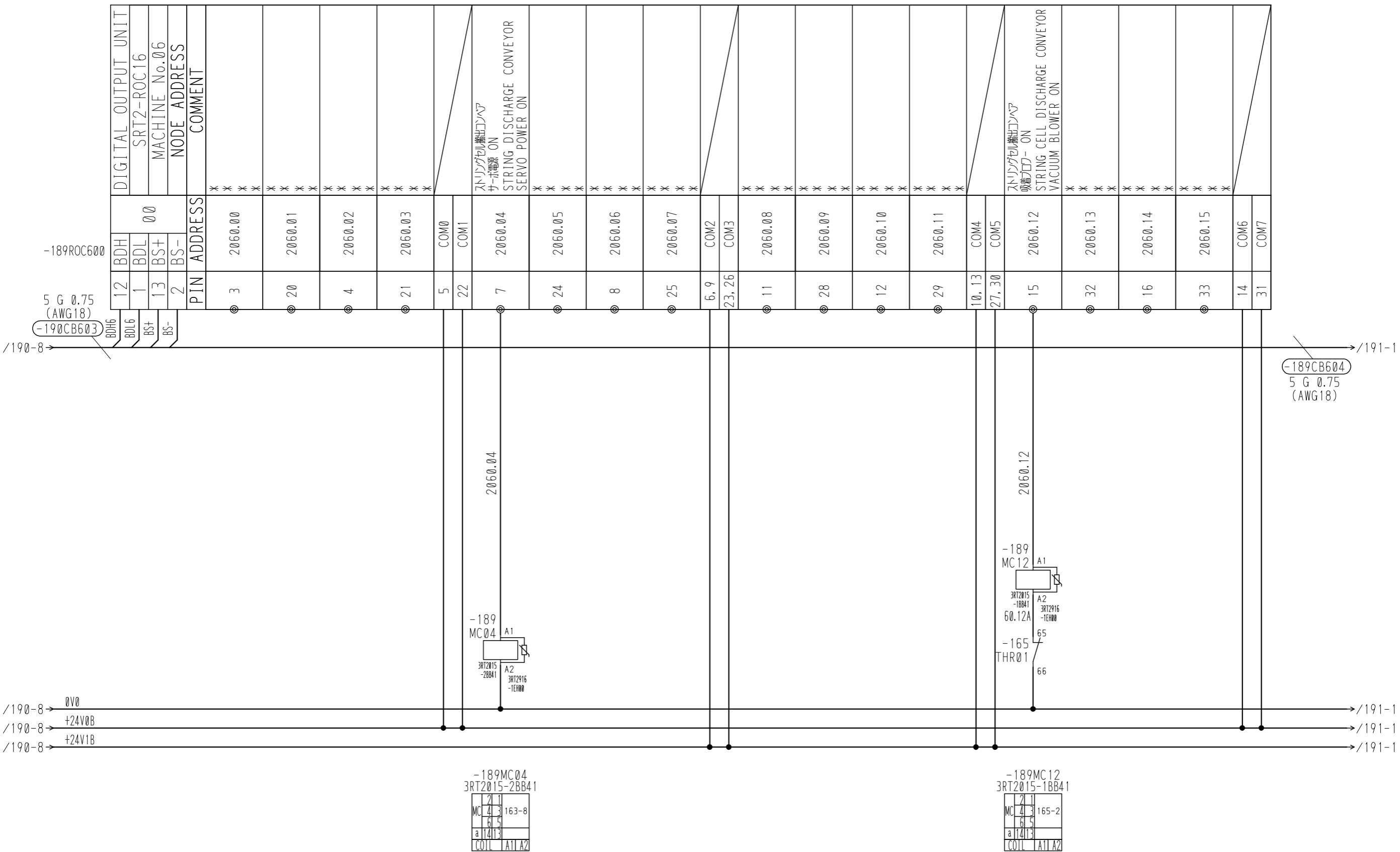
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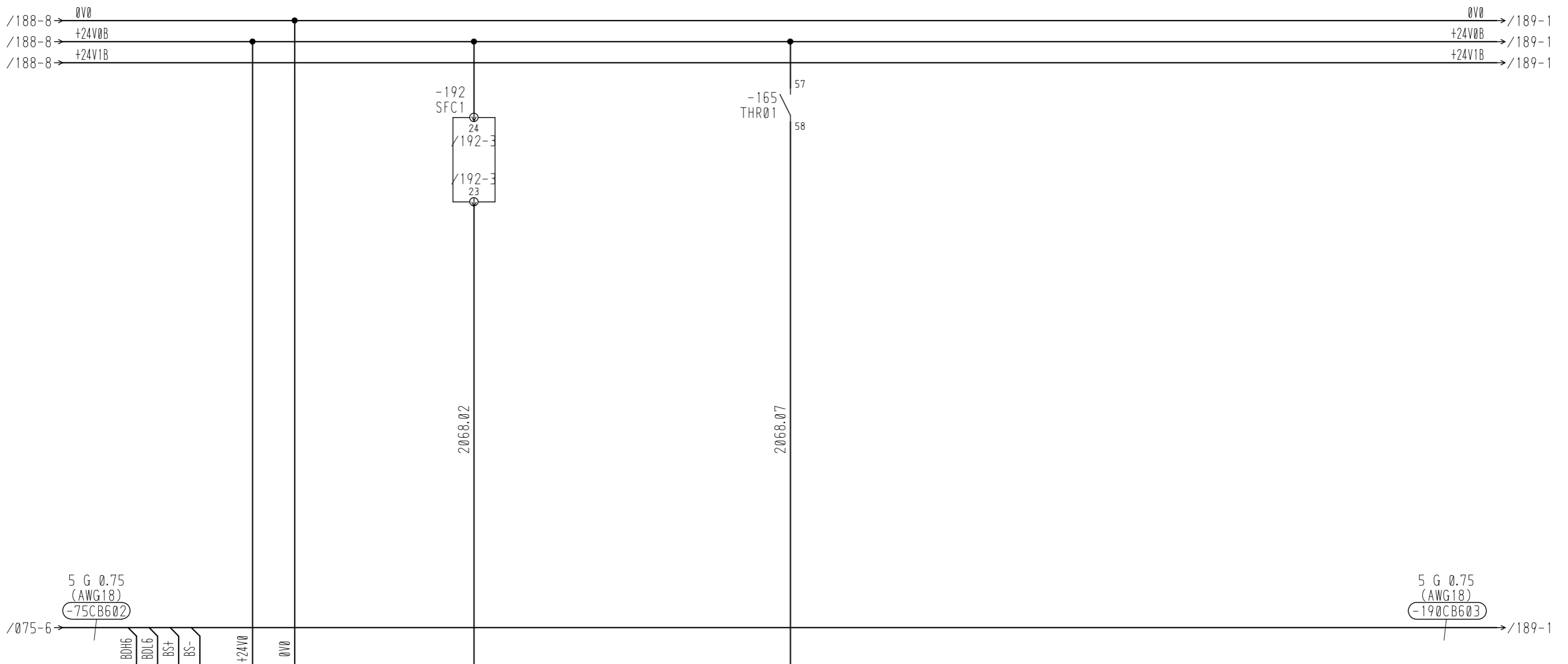
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-1901D600

DIGITAL INPUT UNIT	BDH	12	
SRT2-ID16-1	BDL	1	
MACHINE No.06	BS+	13	
NODE ADDRESS	BS-	2	
COMMENT	ADDRESS PIN		
	V	14	
	G	3	
		4	2068.00
		15	2068.01
		5	2068.02
		16	2068.03
		6	2068.04
		17	2068.05
		7	2068.06
		18	2068.07
		8	2068.08
		19	2068.09
		9	2068.10
		20	2068.11
		10	2068.12
		21	2068.13
		11	2068.14
		22	2068.15

ドアスイッチ ON
(ドアオープンの時OFF)
DOOR SWITCH SENSOR ON
(SIGNAL OFF WHEN DOOR IS OPEN)

ストリングセル搬出コンベヤ
吸着ワゴン - 過負荷
STRING CELL DISCHARGE CONVEYOR
VACUUM BLOWER OVERLOAD

REV.		REV.		PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	Bus/S入出力回路(5/5). Compo Bus/S I/O CIRCUIT(5/5)	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	190	

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DIGITAL INPUT UNIT		SRT-ROC08		MACHINE No. 06		NODE ADDRESS		COMMENT	
BDH	BDL	BS+	BS-	PIN	ADDRESS				
18	1	19	2	3	2061.00	ストリングセル搬出コンベア フリップシャッター-1 閉 STRING CELL DISCHARGE CONVEYOR BLOWER SHUTTER 1 CLOSE			
				12	2061.01	ストリングセル搬出コンベア フリップシャッター-2 閉 STRING CELL DISCHARGE CONVEYOR BLOWER SHUTTER 2 CLOSE			
				4	2061.02				
				13	2061.03	ストリングセル反転部 反転フリップシャッター-閉 STRING CELL FLIP OVER BLOWER SHUTTER CLOSE			
				5	COM0				
				14	COM1				
				7	2061.04				
				16	2061.05				
				8	2061.06				
				17	2061.07				
				6	COM2				
				15	COM3				

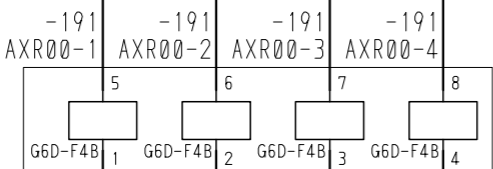
-191ROC602

5 G 0.75 (AWG18)
-189CB604

5 G 0.75 (AWG18)

-191CB605

/075-6



-191 AXR00-1 -191 AXR00-2 -191 AXR00-3 -191 AXR00-4

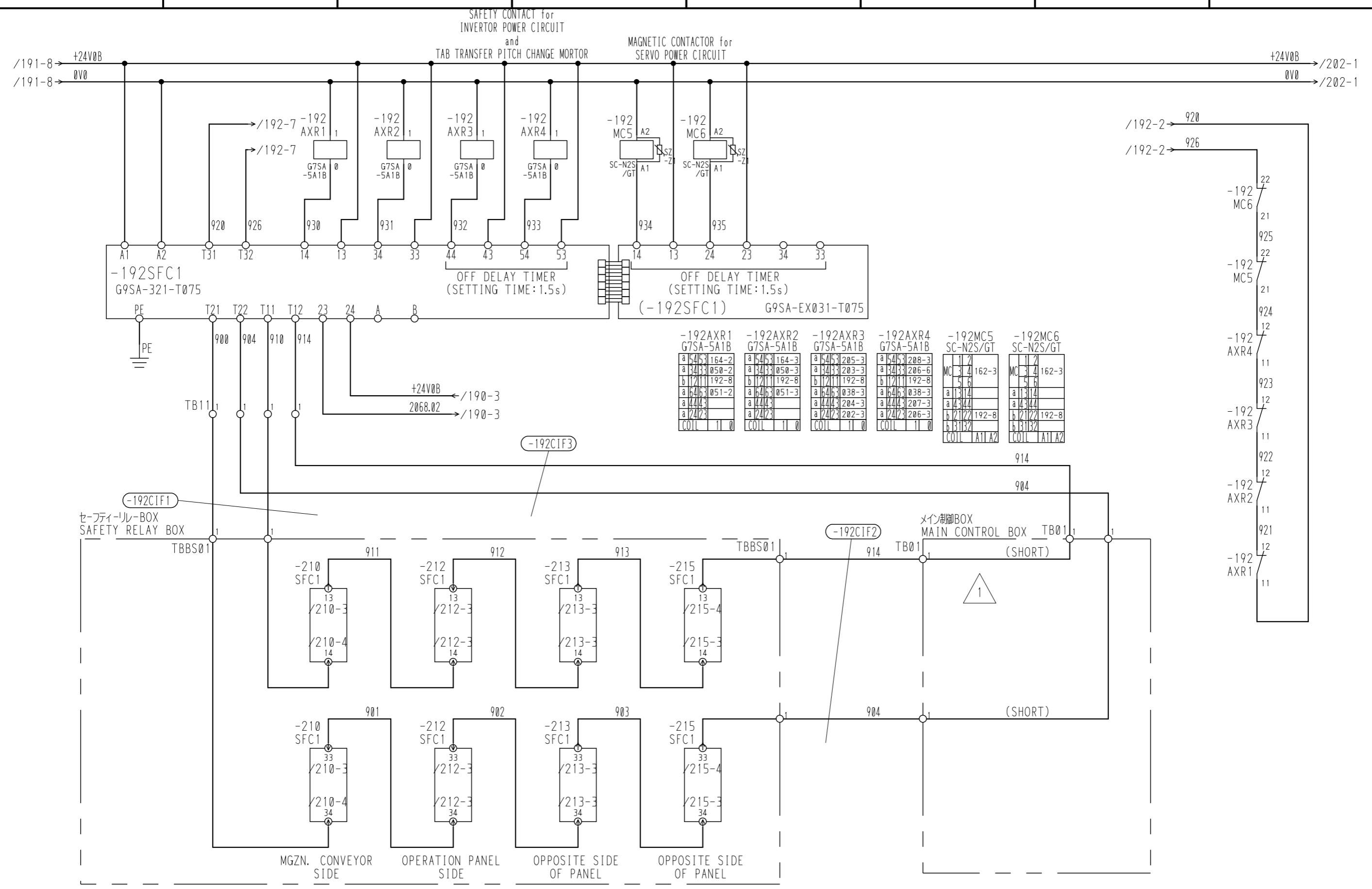
-191AXR00-1 G6D-F4B a11113 165-5 COIL 1 1 5	-191AXR00-2 G6D-F4B a11114 165-5 COIL 1 2 6	-191AXR00-3 G6D-F4B a11115 165-5 COIL 1 3 7	-191AXR00-4 G6D-F4B a11116 165-6 COIL 1 4 8
--	--	--	--

/189-8 0V0
/189-8 +24V0B
/189-8 +24V1B

/192-1
/192-1
/202-1

REV.						PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	Bus/S入出力回路(5/5). Compo Bus/S I/O CIRCUIT(5/5)	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	191

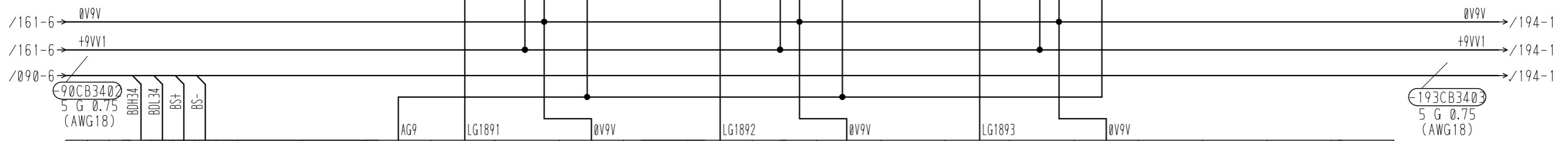
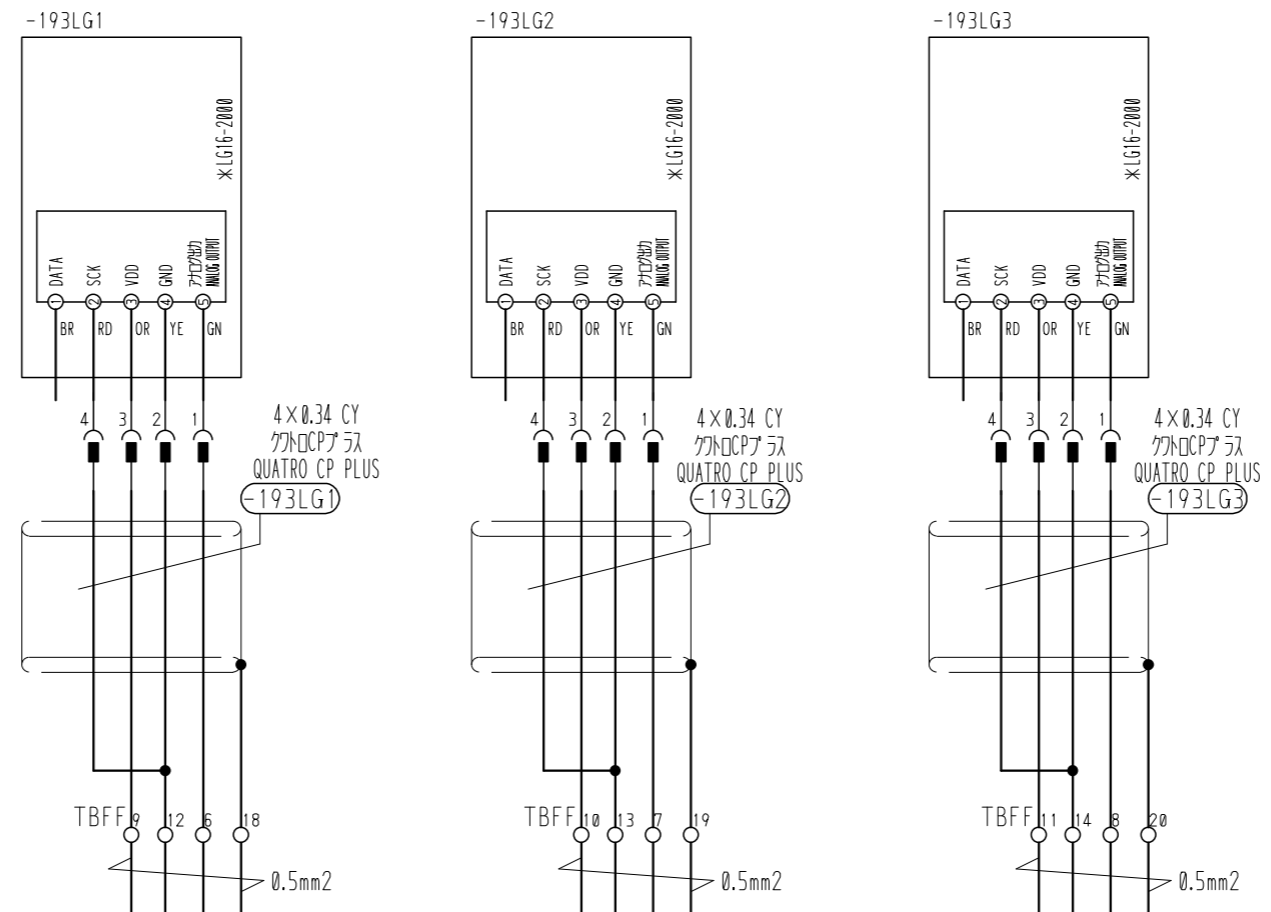
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-192AXR1 G7SA-5A1B	-192AXR2 G7SA-5A1B	-192AXR3 G7SA-5A1B	-192AXR4 G7SA-5A1B	-192MC5 SC-N2S/GT	-192MC6 SC-N2S/GT
a 5453 164-2	a 5453 164-3	a 5453 205-3	a 5453 208-3	1 1 2	1 1 2
a 3433 050-2	a 3433 050-3	a 3433 203-3	a 3433 206-6	MC 3 4 162-3	MC 3 4 162-3
b 1211 192-8	b 1211 192-8	b 1211 192-8	b 1211 192-8	5 6	5 6
a 6463 051-2	a 6463 051-3	a 6463 038-3	a 6463 038-3	a 1314	a 1314
a 4443	a 4443	a 4443 204-3	a 4443 207-3	a 4344	a 4344
a 2423	a 2423	a 2423 202-3	a 2423 206-3	b 2122 192-8	b 2122 192-8
COIL 11 0	COIL 11 0	COIL 11 0	COIL 11 0	b 3132	b 3132

-192 MC6	22
-192 MC5	21
-192 AXR4	12
-192 AXR3	11
-192 AXR2	12
-192 AXR1	11

CSA電気安全審査における指摘点の変更
CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW

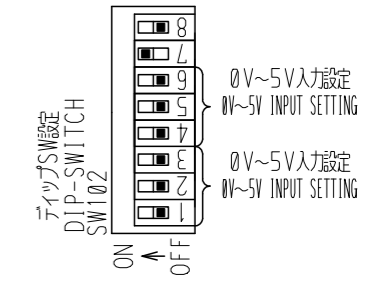
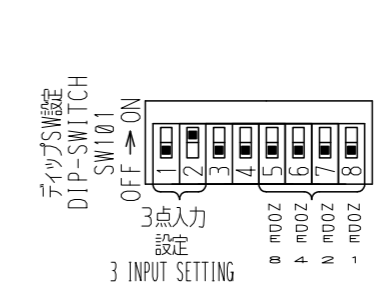


-193 AD3400	SRT2-AD04	MACHINE No. 34	MODE ADDRESS	BDH	BDL	BS+	BS-	PIN	NC	AG	AG	V0+	I0+	0-	NC	V1+	I1+	1-	NC	V2+	I2+	2-	NC	V3+	I3+	3-
				00									2348CH			2349CH					2350CH				NON-USABLE	

フラックス流量検知
上機
FLUX FLOW SENSOR
FACE SIDE RIGHT

フラックス流量検知
上機中央
FLUX FLOW SENSOR
FACE SIDE CENTER

フラックス流量検知
上機左
FLUX FLOW SENSOR
FACE SIDE LEFT



REV.		REV.	PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	Bus/S入出力回路(5/5). Compo Bus/S I/O CIRCUIT(5/5)	SH. NO.
			NPC Incorporated		DWG. NO	18003587-02-SD	193

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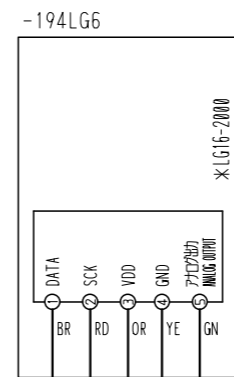
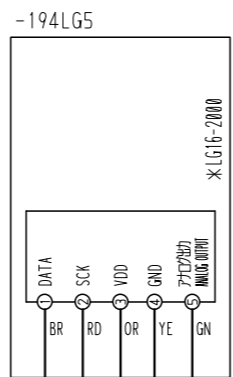
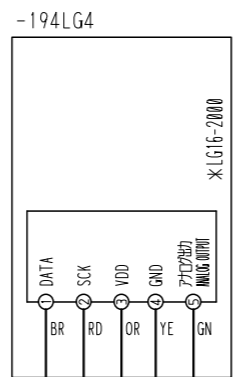
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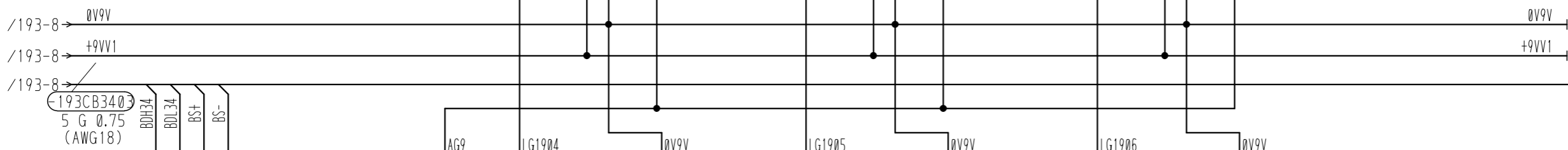
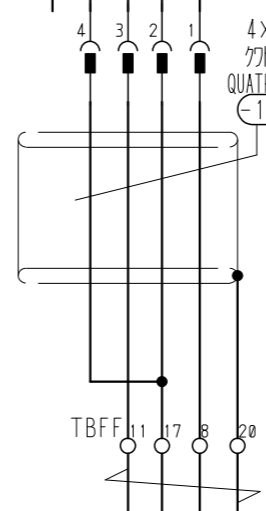
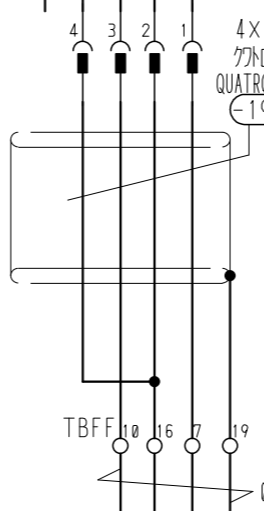
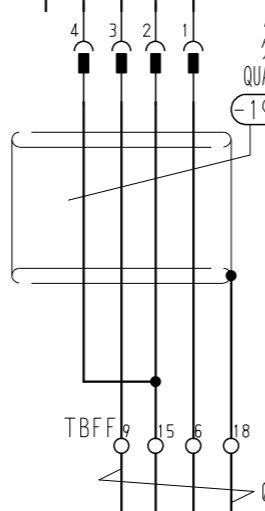
F



4x0.34 CY
クワトロCPプラス
QUATRO CP PLUS
-194LG4

4x0.34 CY
クワトロCPプラス
QUATRO CP PLUS
-194LG5

4x0.34 CY
クワトロCPプラス
QUATRO CP PLUS
-194LG6

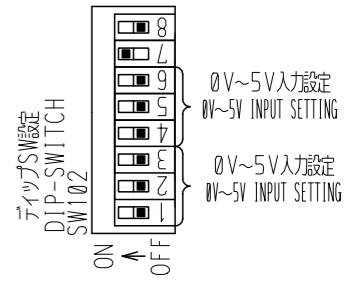
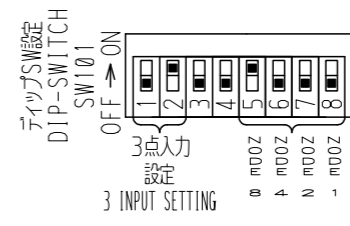


-194 AD3406		SRT2-AD04		MACHINE No. 34		MODE ADDRESS		BDH	BDL	BS+	BS-	PIN	NC	AG	AG	V0+	I0+	0-	NC	V1+	I1+	1-	NC	V2+	I2+	2-	NC	V3+	I3+	3-
				08												2352CH					2353CH				2354CH			NONUSABLE		

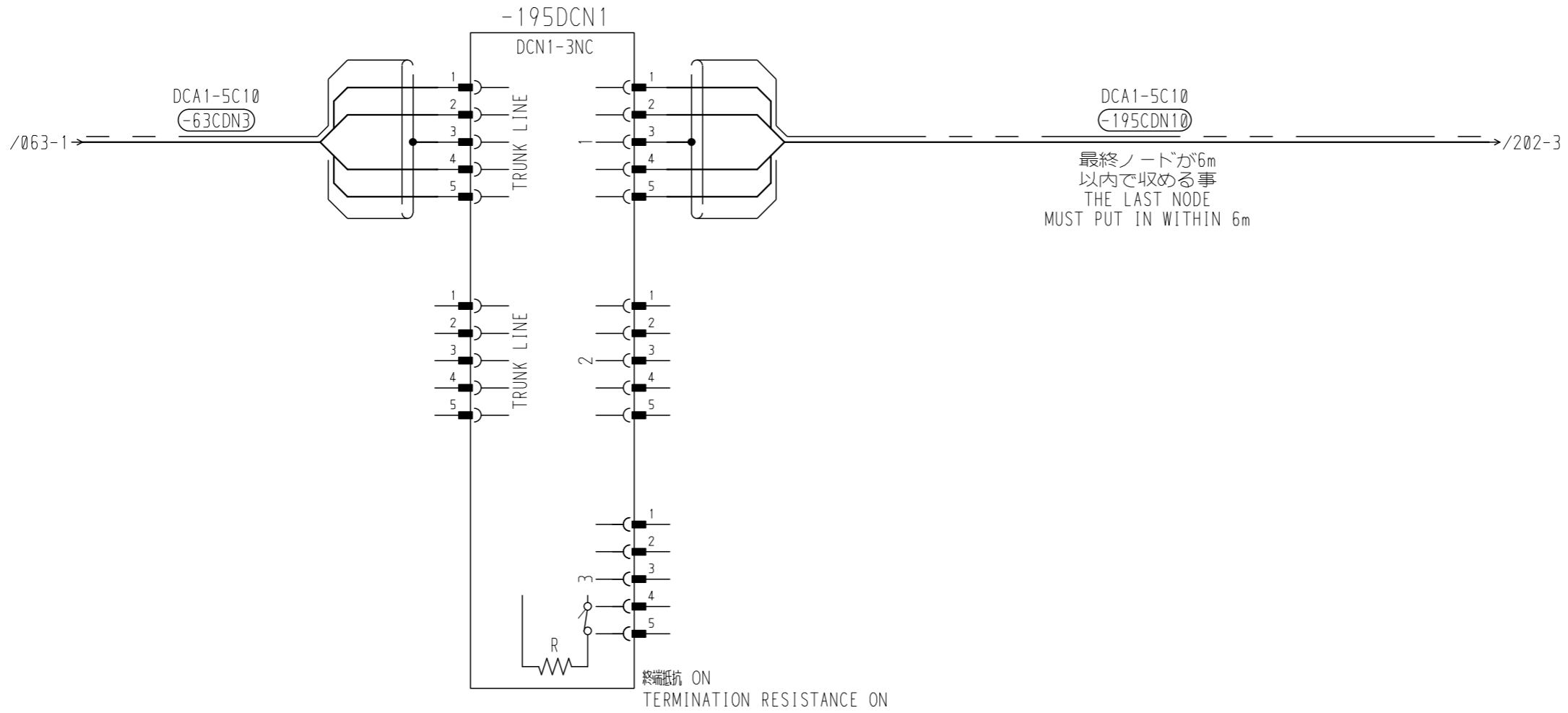
フラックス流量検知
下機右
FLUX FLOW SENSOR
BACK SIDE RIGHT

フラックス流量検知
下機中央
FLUX FLOW SENSOR
BACK SIDE CENTER

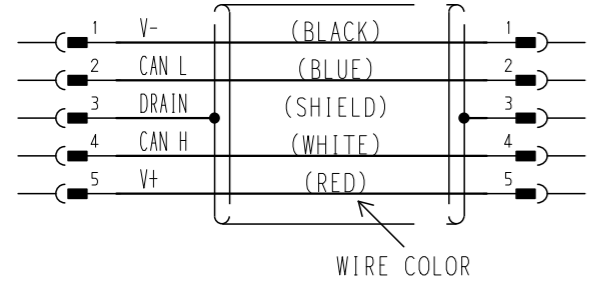
フラックス流量検知
下機左
FLUX FLOW SENSOR
BACK SIDE LEFT



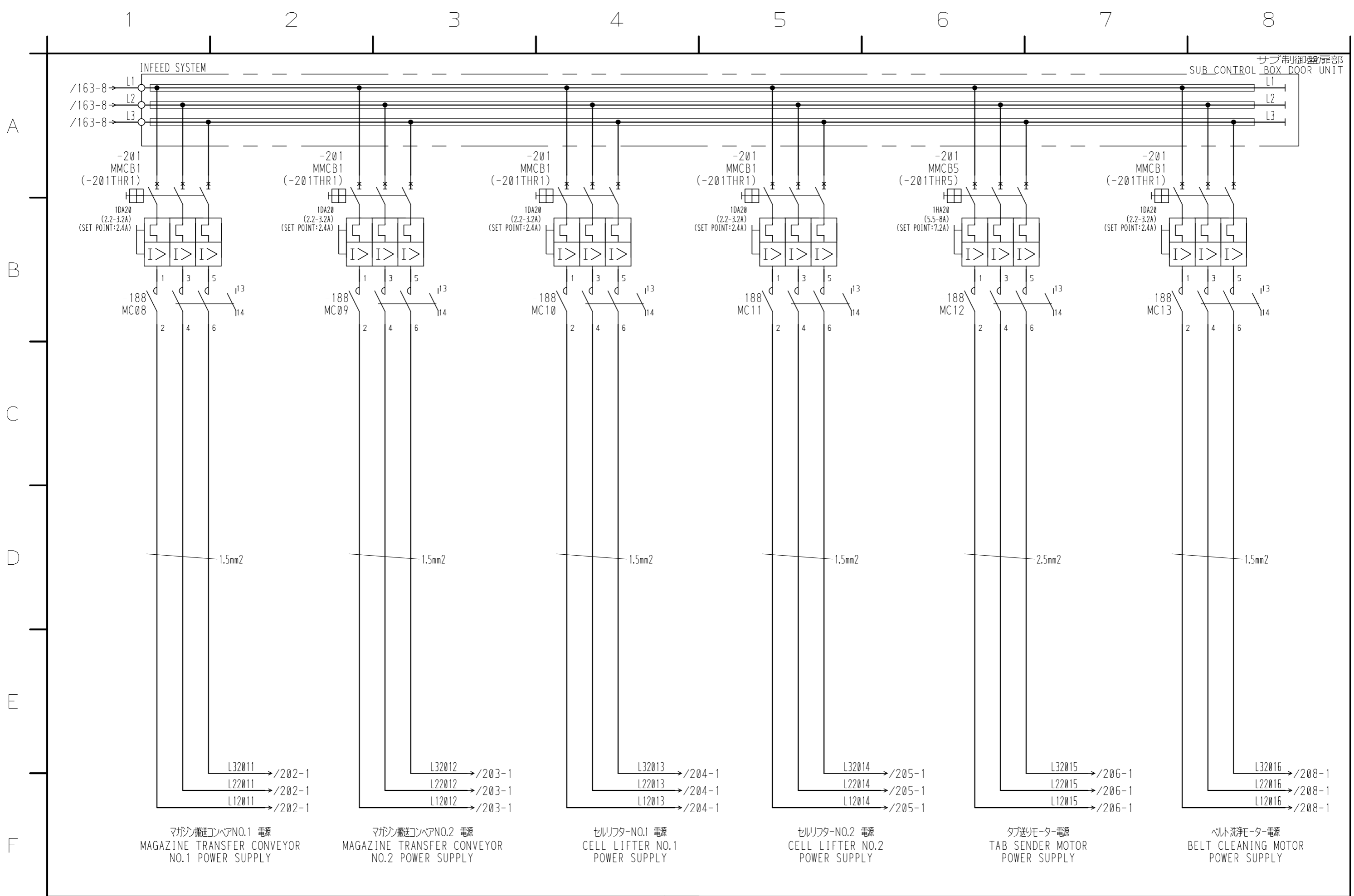
REV.		REV.		PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	Bus/S入出力回路(5/5). Compo Bus/S I/O CIRCUIT(5/5)	SH. NO.	
				NPC Incorporated		DWG. NO	18003587-02-SD	194	



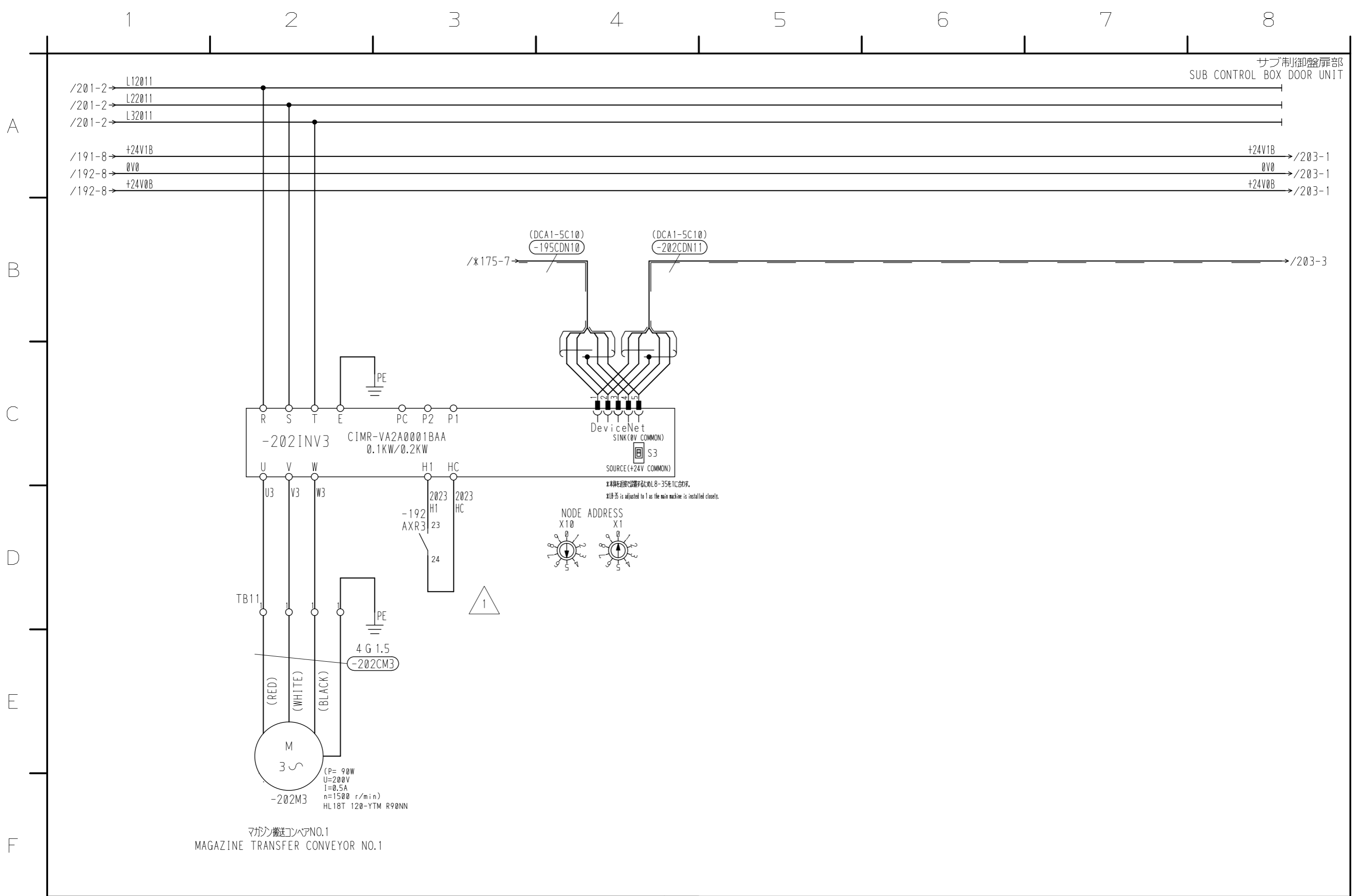
Device Net ケーブル詳細
Device Net Cable Detail



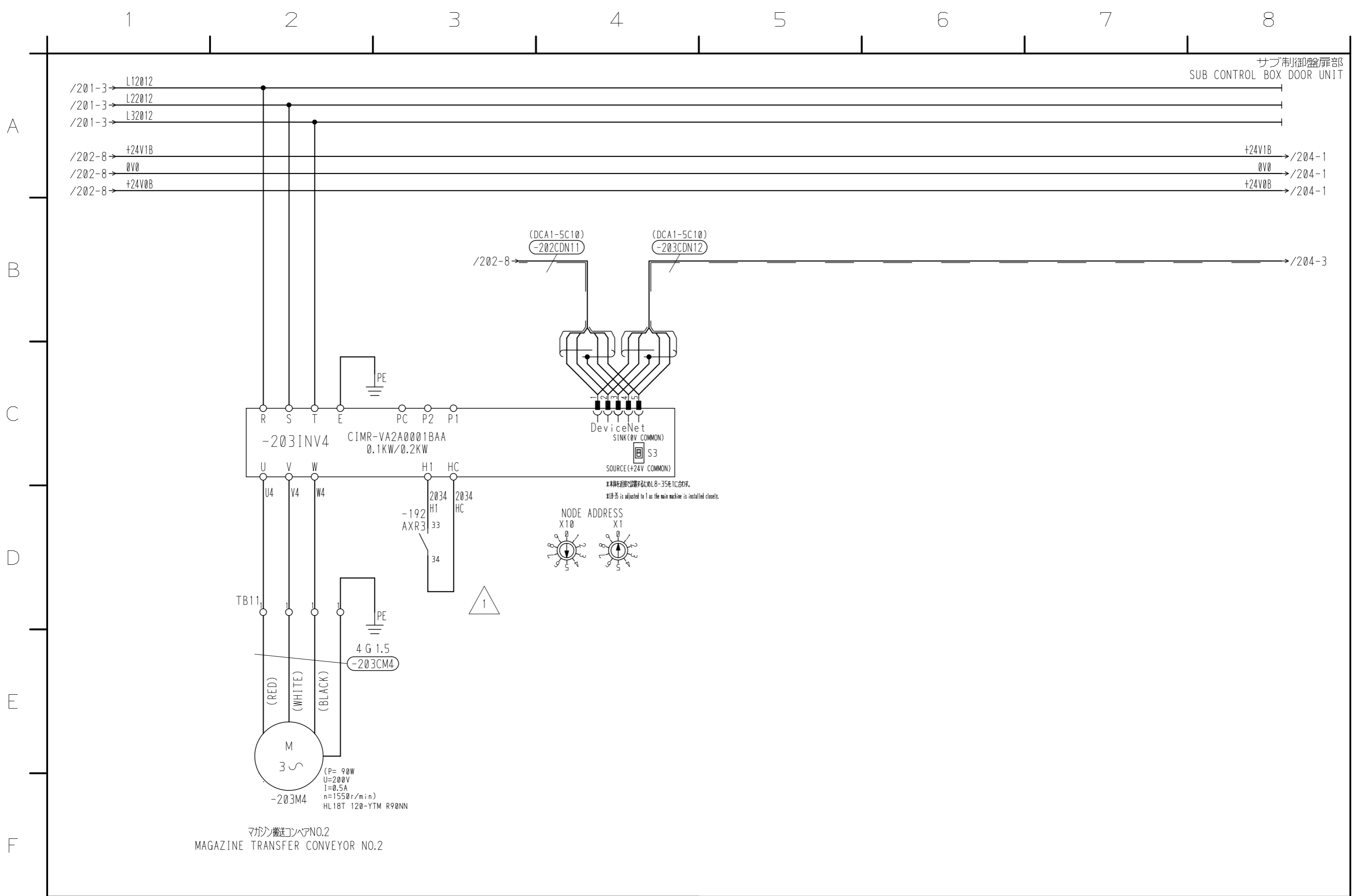
REV.							PRODUCT NO.	サブ制御BOX1(BC-S1) SUB CONTROL BOX 1(BC-S1)	TITLE	DeviceNet入出力回路 DeviceNet I/O CIRCUIT	SH. NO.
							NPC Incorporated		DWG. NO	18003587-02-SD	***



REV.						PRODUCT NO.	サブ制御BOX1ドア(BC-S1) SUB CONTROL BOX 1 DOOR(BC-S1)	TITLE	電源、動力回路(4/). POWER SUPPLY & POWER CIRCUIT(4/).	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	201



REV.	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW					PRODUCT NO.	サブ制御BOX1ドア(BC-S1) SUB CONTROL BOX 1 DOOR(BC-S1)	TITLE	電源、動力回路(14/)マガジン搬送コンベアNo.1 POWER SUPPLY & POWER CIRCUIT(14/) MAGAZINE TRANSFER CONVEYOR No.1	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	202



マガジン搬送コンベアNO.2
MAGAZINE TRANSFER CONVEYOR NO.2

REV.	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW							PRODUCT NO.	サブ制御BOX1ドア(BC-S1) SUB CONTROL BOX 1 DOOR(BC-S1)	TITLE	電源、動力回路(15/)マガジン搬送コンベアNo. 2 POWER SUPPLY & POWER CIRCUIT(15/) MAGAZINE TRANSFER CONVEYOR No. 2	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	203

サブ制御盤扉部
SUB CONTROL BOX DOOR UNIT

A

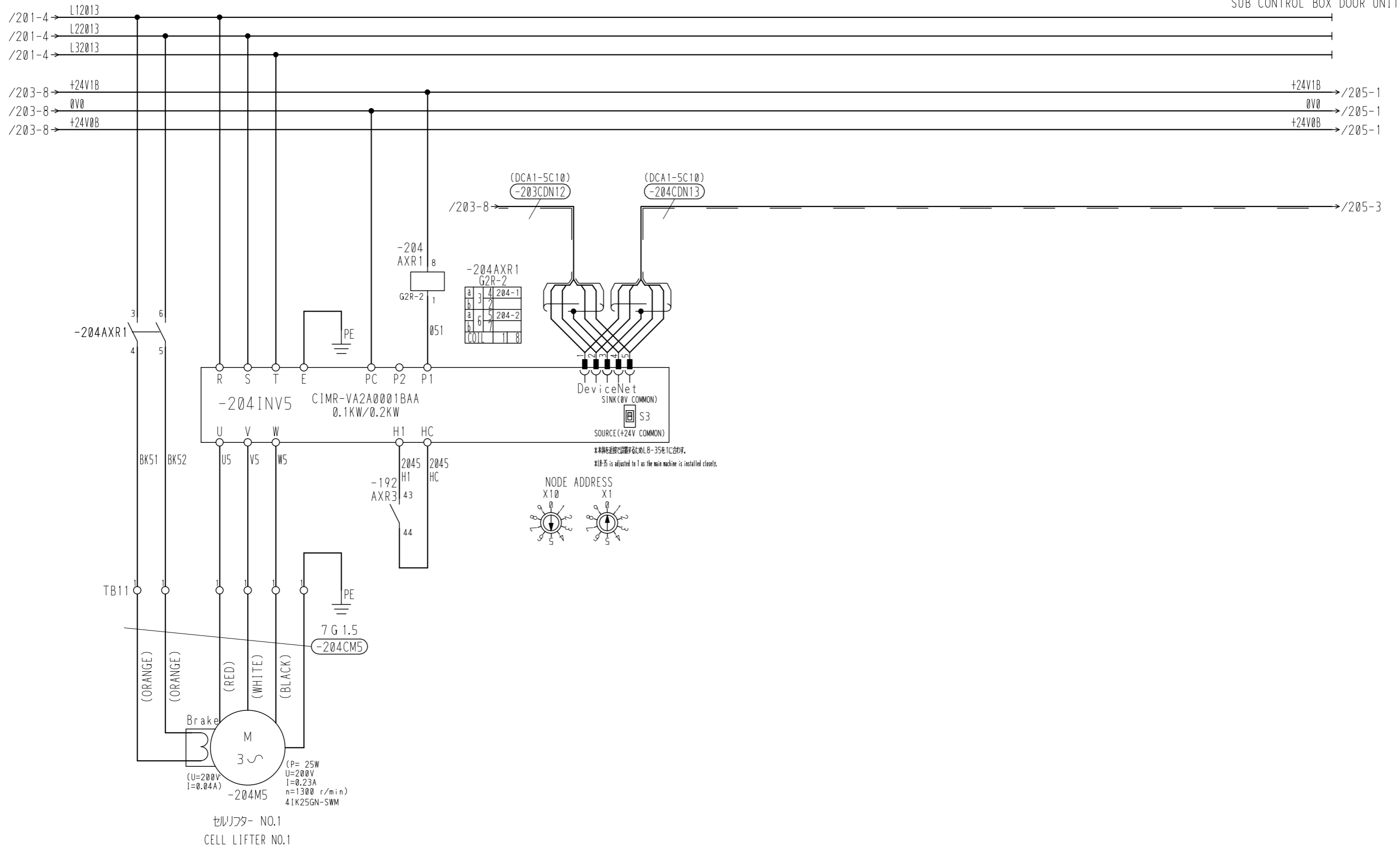
B

C

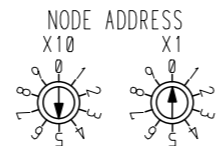
D

E

F

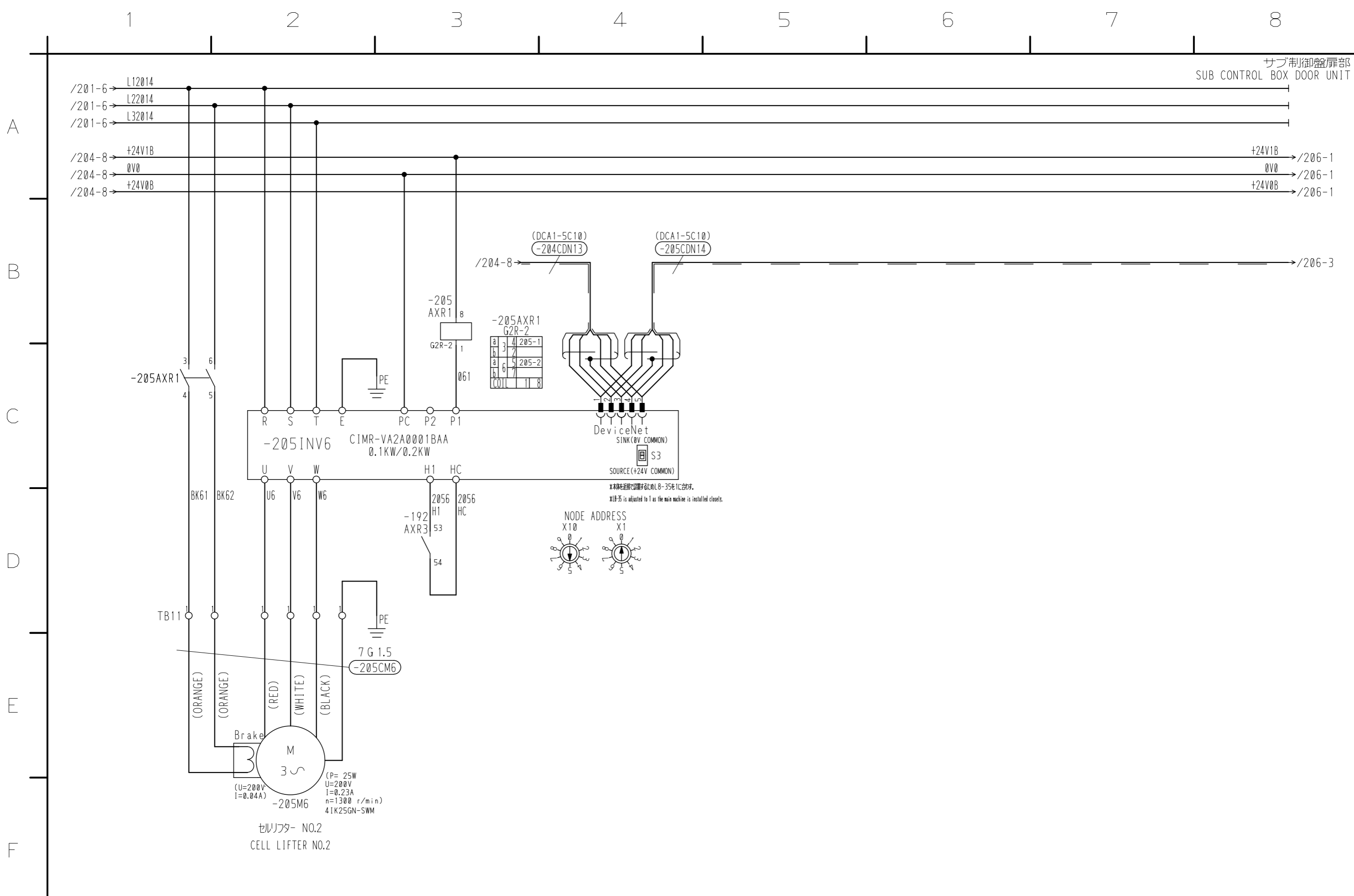


-204AXR1 G2R-2		204-1	
a	3	4	204-1
b	3	2	
a	6	5	204-2
b	6	7	
COIL		11	8

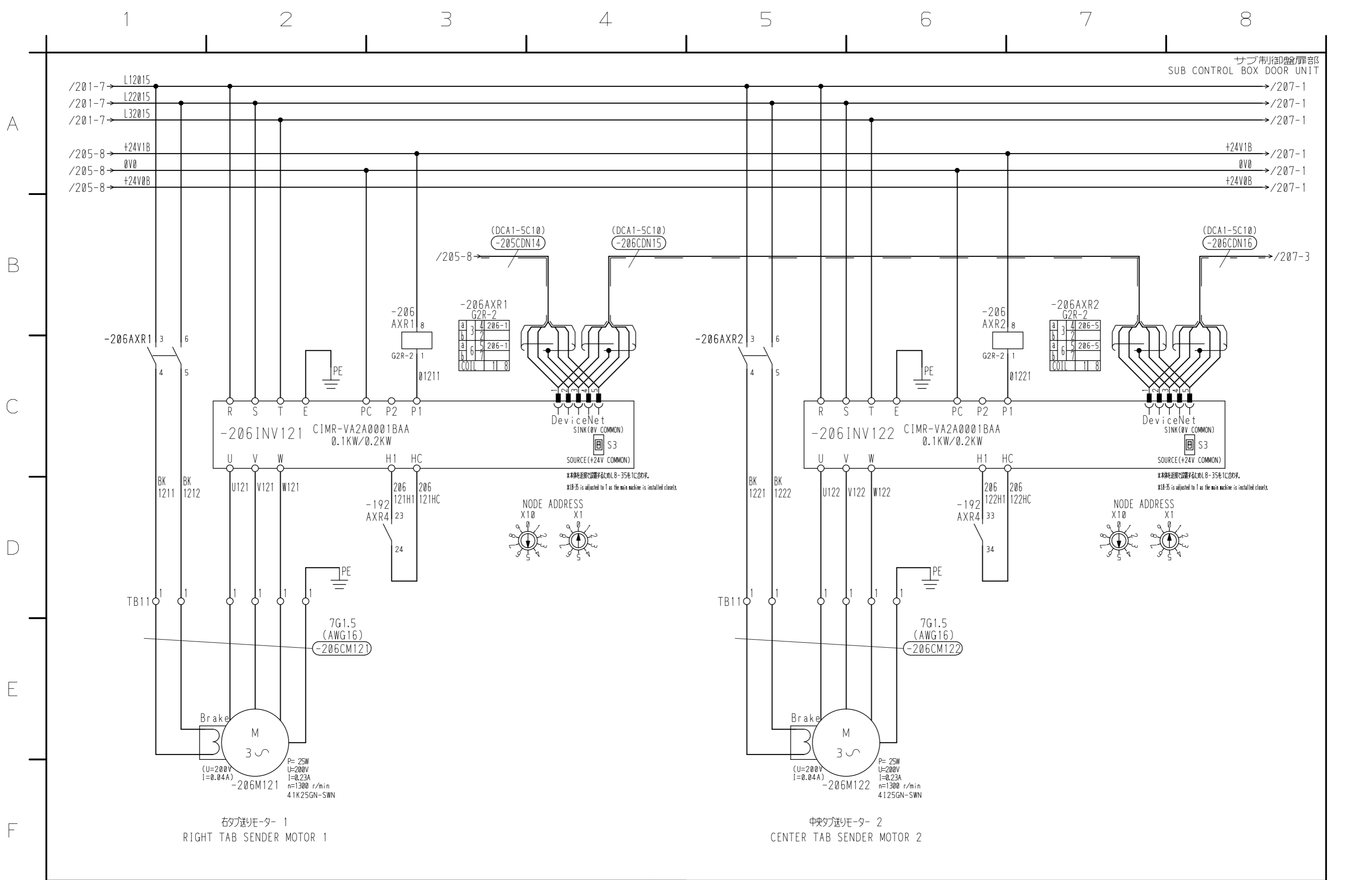


*本機と近接設置する際のL8-35も1に設定。
*L8-35 is adjusted to 1 as the main machine is installed closely.

		PRODUCT NO.	サブ制御BOX1ドア(BC-S1) SUB CONTROL BOX 1 DOOR(BC-S1)	TITLE	電源、動力回路(16/)セルリフター-NO.1 POWER SUPPLY & POWER CIRCUIT(16/) CELL LIFTER NO.1 MOTOR	SH. NO.	
REV.				DWG. NO	18003587-02-SD		
		NPC Incorporated				204	



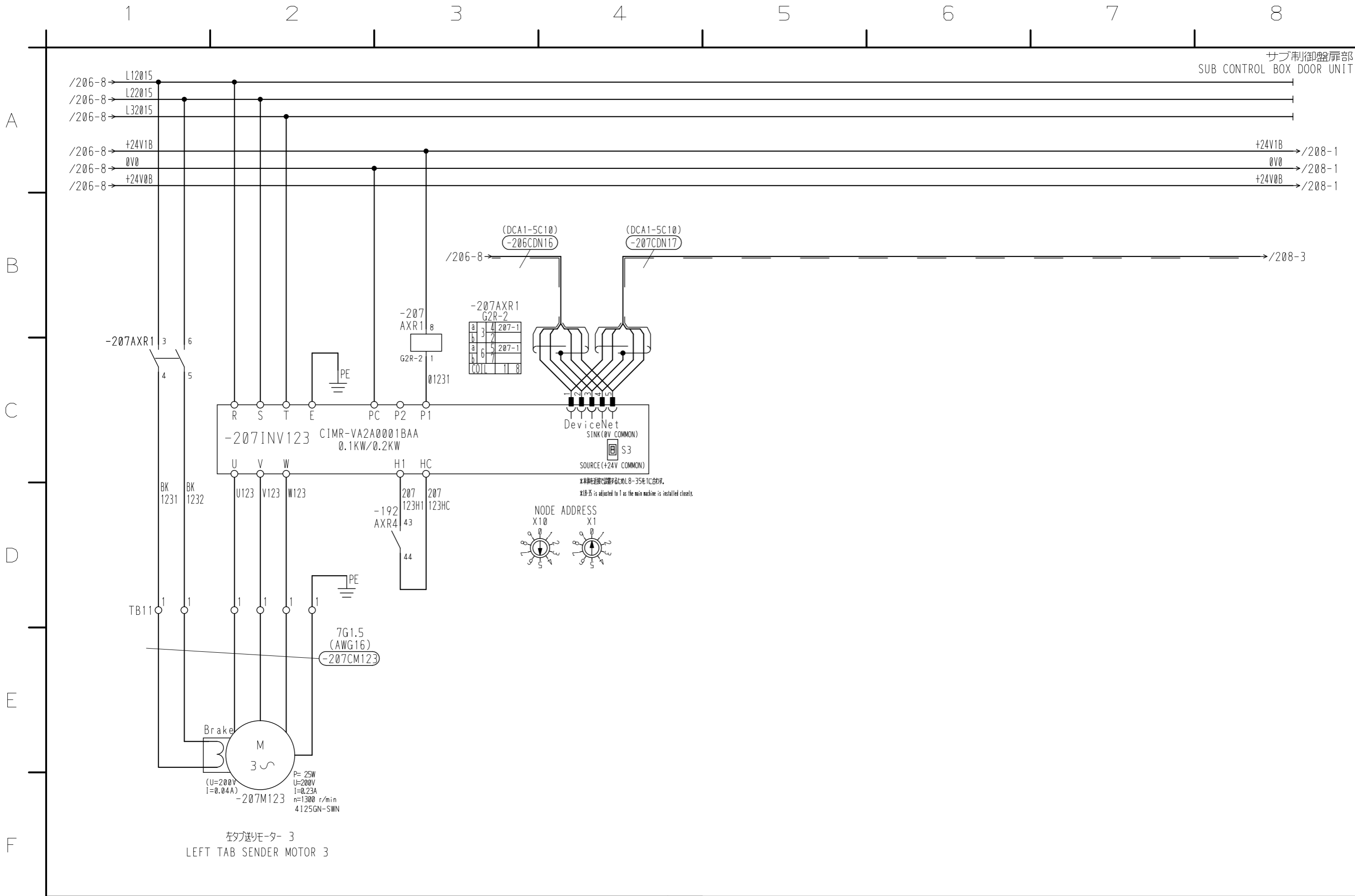
REV.		REV.		PRODUCT NO.	サブ制御BOX1ドア(BC-S1) SUB CONTROL BOX 1 DOOR(BC-S1)	TITLE	電源、動力回路(17/)セルリフター-NO.2 POWER SUPPLY & POWER CIRCUIT(17/) CELL LIFTER NO.2 MOTOR	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	205



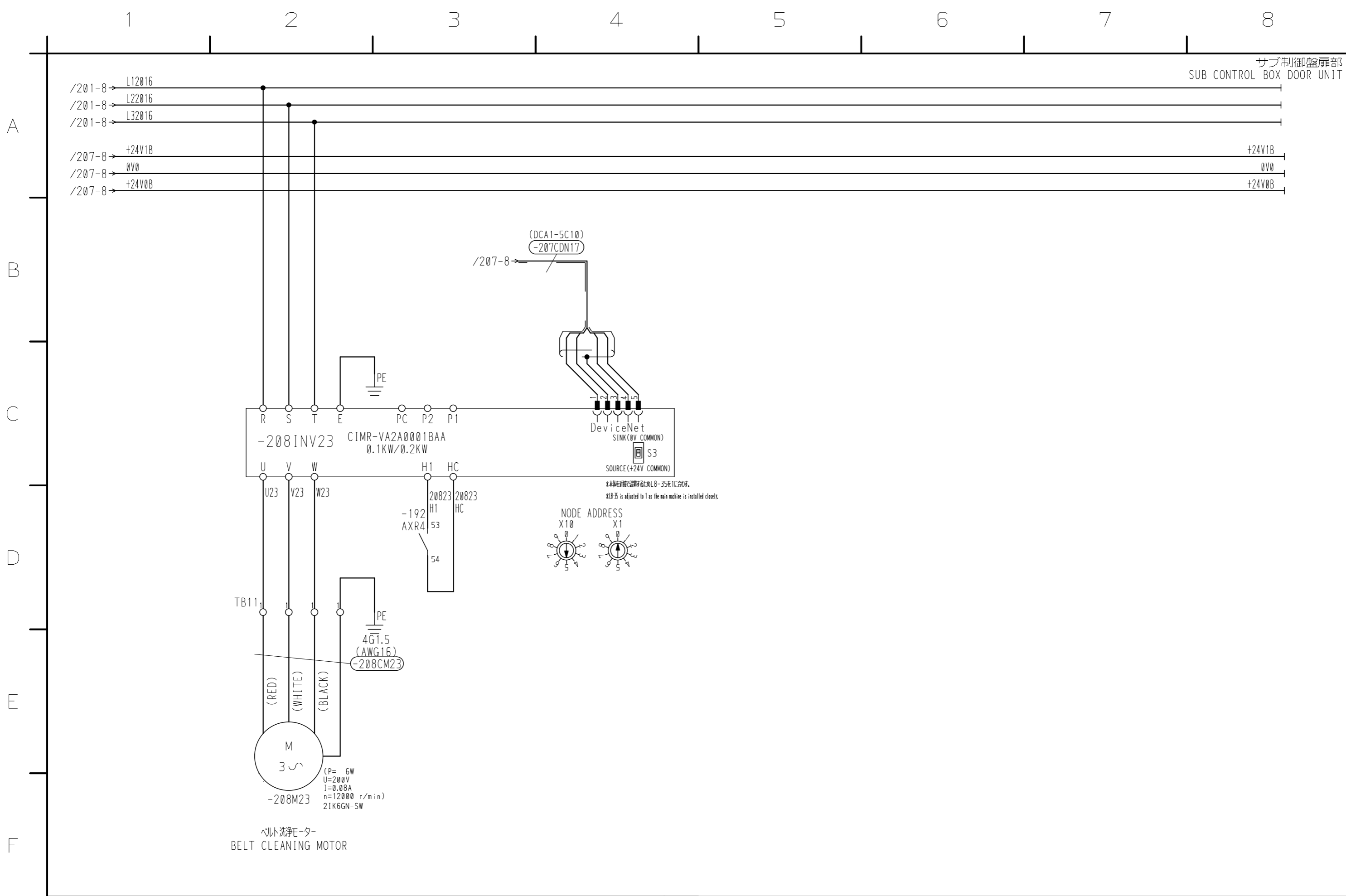
右タワ送りモーター 1
RIGHT TAB SENDER MOTOR 1

中央タワ送りモーター 2
CENTER TAB SENDER MOTOR 2

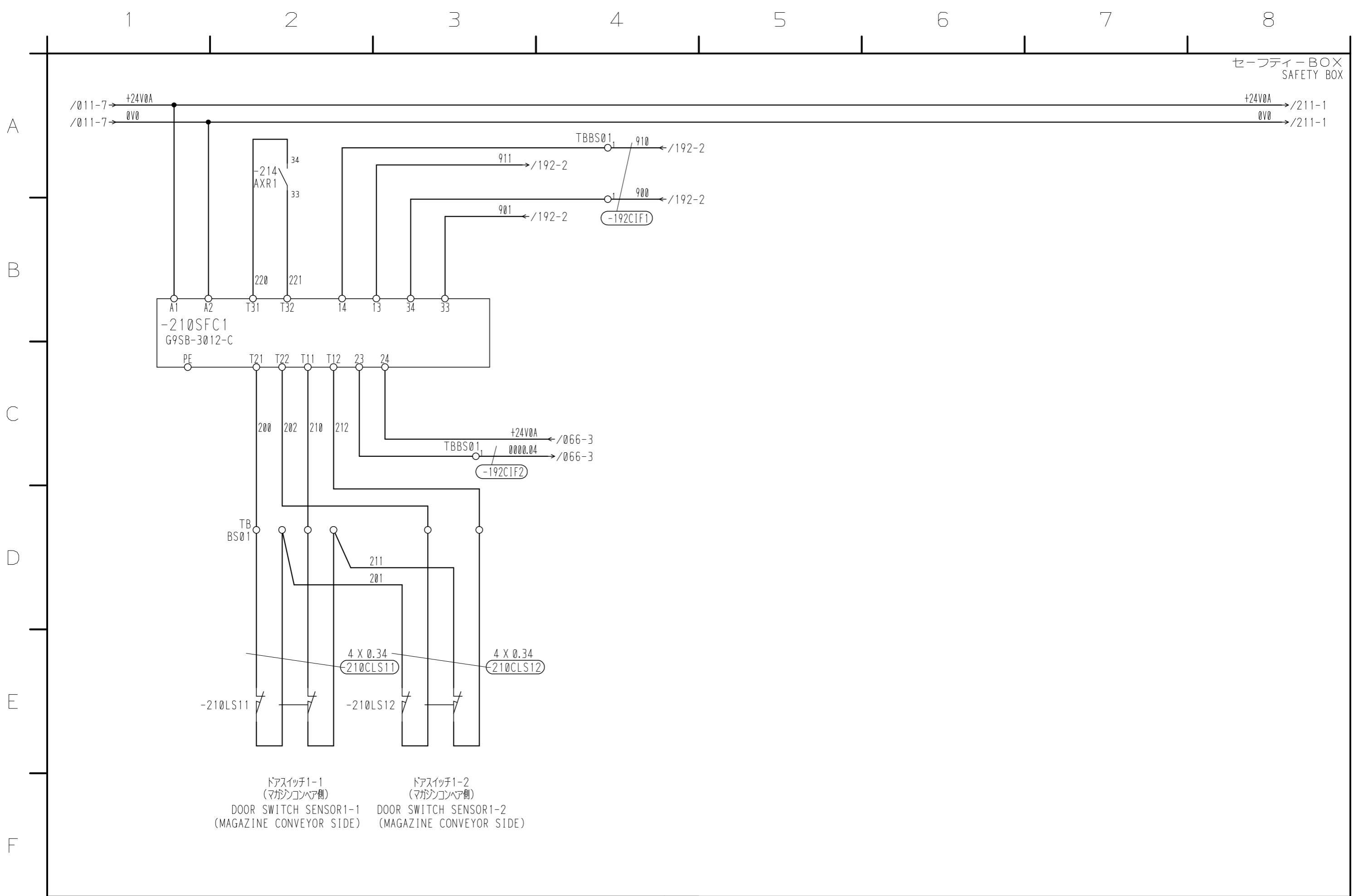
PRODUCT NO.	サブ制御BOX1ドア(BC-S1) SUB CONTROL BOX 1 DOOR(BC-S1)	TITLE	電源、動力回路(18/)予備図 POWER SUPPLY & POWER CIRCUIT(18/) SPARE	SH. NO.	
		DWG. NO	18003587-02-SD	206	



REV.					PRODUCT NO.	サブ制御BOX1ドア(BC-S1) SUB CONTROL BOX 1 DOOR(BC-S1)	TITLE	電源、動力回路(19/)予備図 POWER SUPPLY & POWER CIRCUIT(19/) SPARE	SH. NO.
					NPC Incorporated		DWG. NO	18003587-02-SD	207



						PRODUCT NO.	サブ制御BOX1ドア(BC-S1) SUB CONTROL BOX 1 DOOR(BC-S1)	TITLE	電源、動力回路(20/)予備図 POWER SUPPLY & POWER CIRCUIT(20/) SPARE.	SH. NO.
REV.						NPC Incorporated		DWG. NO	18003587-02-SD	208



ドアスイッチ1-1 (マガジンコンベア側)
 DOOR SWITCH SENSOR1-1 (MAGAZINE CONVEYOR SIDE)

ドアスイッチ1-2 (マガジンコンベア側)
 DOOR SWITCH SENSOR1-2 (MAGAZINE CONVEYOR SIDE)

REV.								PRODUCT NO.	セーフティレールBOX SAFETY RELAY BOX	TITLE	制御回路(6/)ドアスイッチ回路(1/4). CONTROL CIRCUIT(6/). DOOR SWITCH CIRCUIT(1/4)	SH. NO.
								NPC Incorporated		DWG. NO	18003587-02-SD	210

1

2

3

4

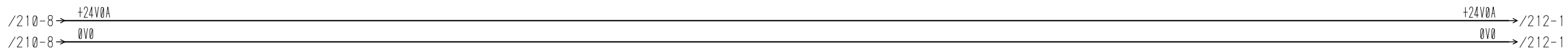
5

6

7

8

セーフティBOX
SAFETY BOX



A

B

C

D

E

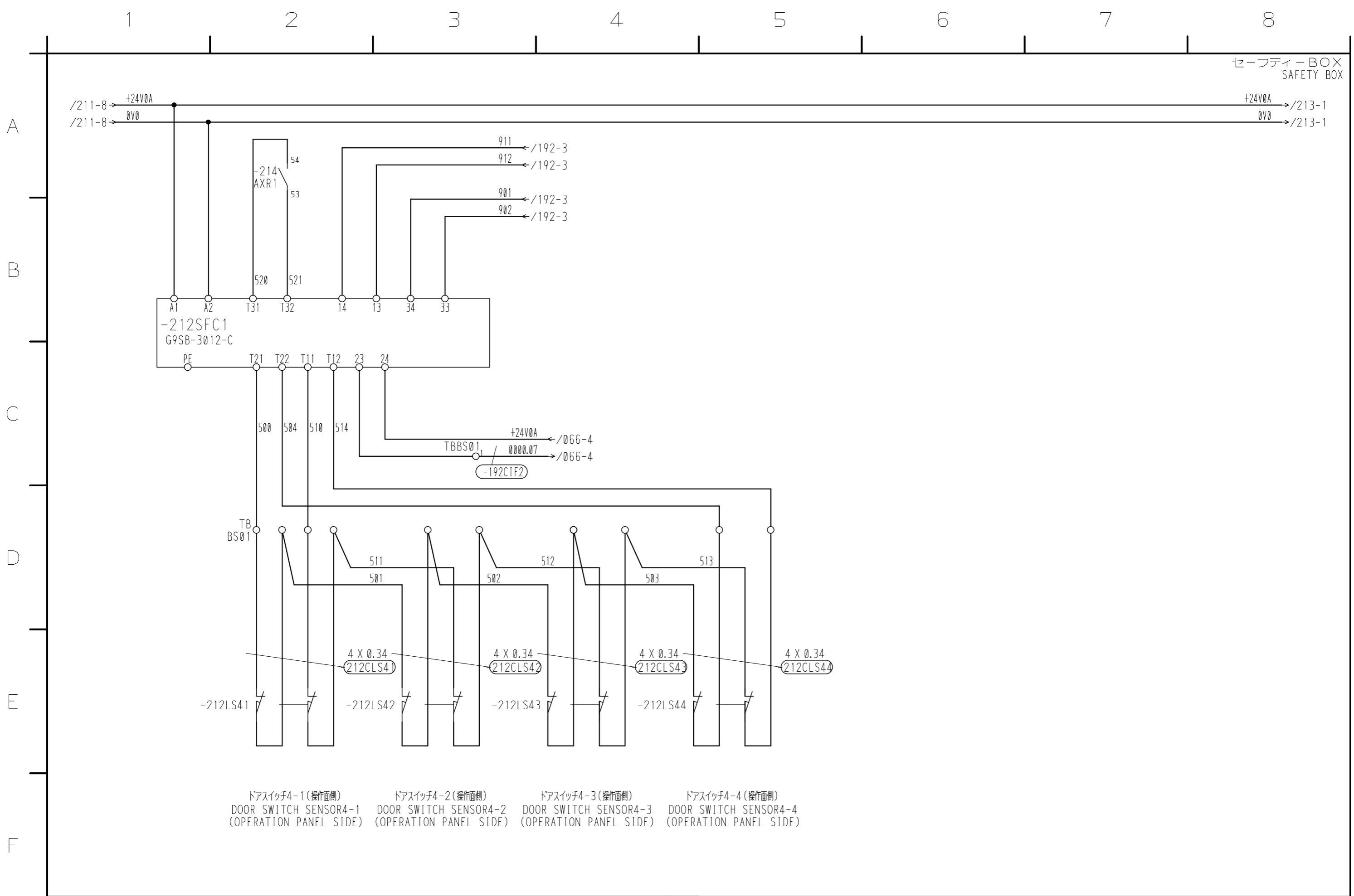
F



ドアスイッチ2-1 (実マガジン投入側)
DOOR SWITCH SENSOR2-1
(LOADED MAGAZINE FEED SIDE)

ドアスイッチ3-1 (空マガジン取出側)
DOOR SWITCH SENSOR3-1
(EMPTY MAGAZINE PICKUP SIDE)

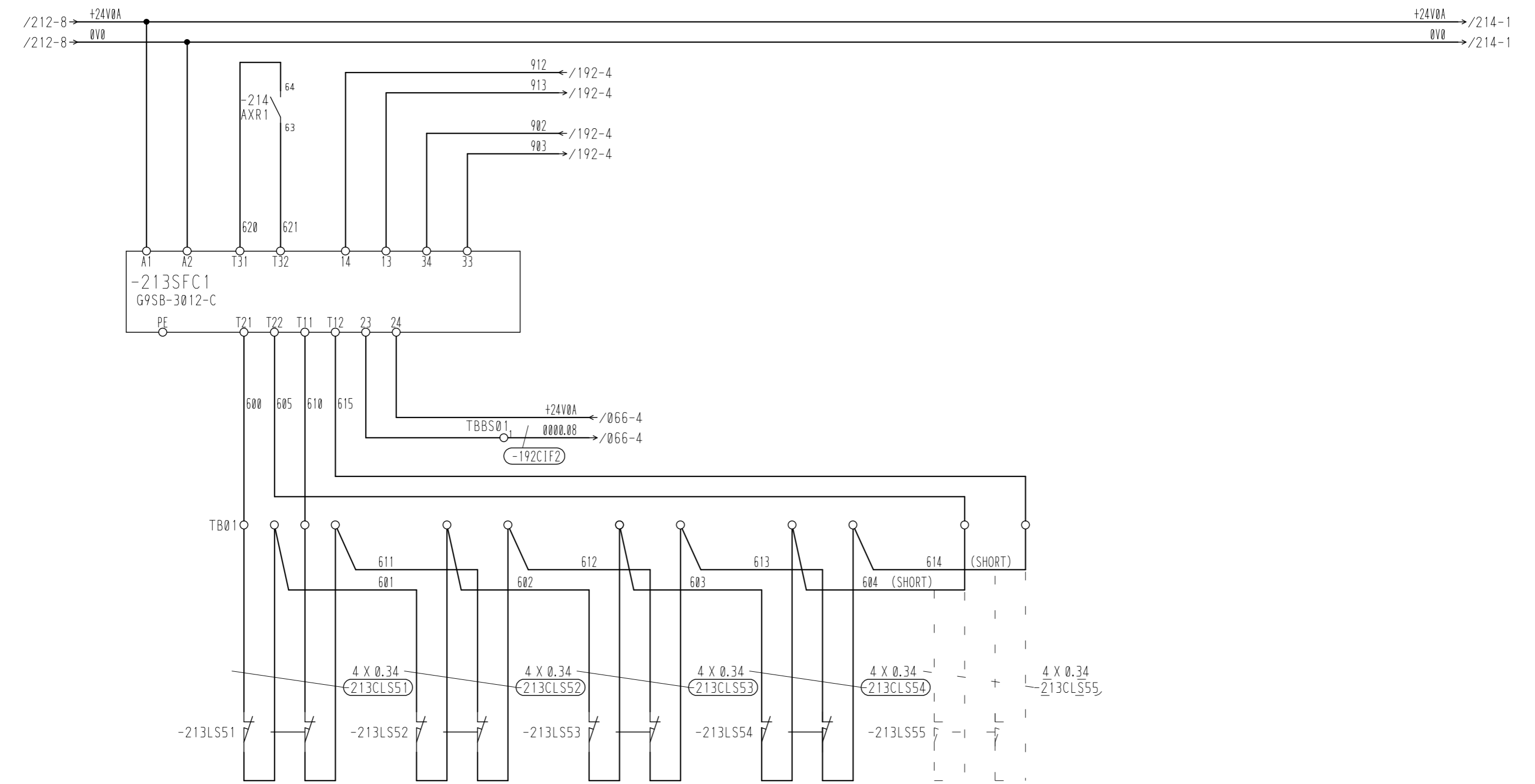
REV.	1	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW	REV.	1	PRODUCT NO.	セーフティリレーBOX SAFETY RELAY BOX	TITLE	制御回路(7/)ドアスイッチ回路(2/4). CONTROL CIRCUIT(7/). DOOR SWITCH CIRCUIT(2/4)	SH. NO.
					NPC Incorporated		DWG. NO	18003587-02-SD	211



REV.									PRODUCT NO.	セーフティレールBOX SAFETY RELAY BOX	TITLE	制御回路(8/)/ドアスイッチ回路(3/4). CONTROL CIRCUIT(8/). DOOR SWITCH CIRCUIT(3/4)	SH. NO.
									NPC Incorporated		DWG. NO	18003587-02-SD	212

セーフティBOX
SAFETY BOX

A
B
C
D
E
F

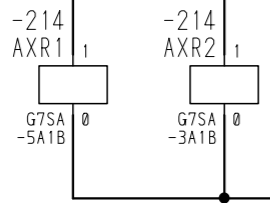
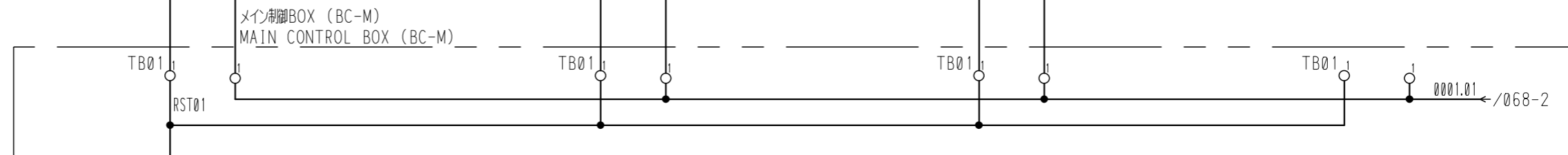
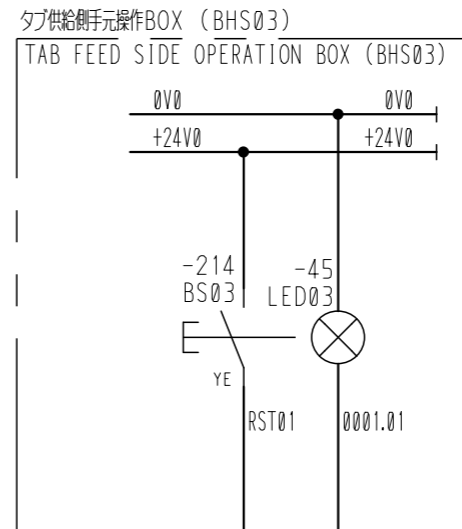
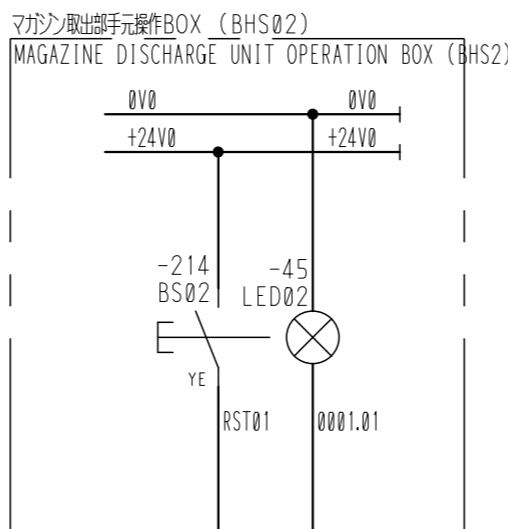
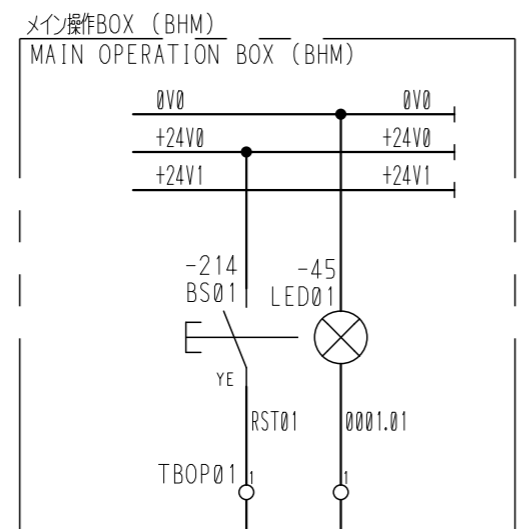
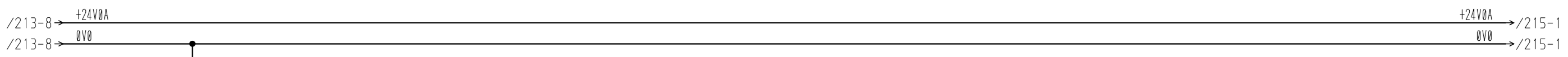


ドアスイッチ5-1 (反操作面側) DOOR SWITCH SENSOR5-1 (OPPOSITE SIDE OF OPERATION PANEL)
 ドアスイッチ5-2 (反操作面側) DOOR SWITCH SENSOR5-2 (OPPOSITE SIDE OF OPERATION PANEL)
 ドアスイッチ5-3 (反操作面側) DOOR SWITCH SENSOR5-3 (OPPOSITE SIDE OF OPERATION PANEL)
 ドアスイッチ5-4 (反操作面側) DOOR SWITCH SENSOR5-4 (OPPOSITE SIDE OF OPERATION PANEL)
 ドアスイッチ5-5 (反操作面側) DOOR SWITCH SENSOR5-5 (OPPOSITE SIDE OF OPERATION PANEL)

REV.		REV.					PRODUCT NO.	セーフティリレーBOX SAFETY RELAY BOX	TITLE	制御回路(9/7)ドアスイッチ回路(4/4). CONTROL CIRCUIT(9/7). DOOR SWITCH CIRCUIT(4/4)	SH. NO.
							NPC Incorporated		DWG. NO	18003587-02-SD	213

1 2 3 4 5 6 7 8

セーフティBOX
SAFETY BOX



トアスイッチ リセット
* RESET SAFETY DOOR SWITCH *

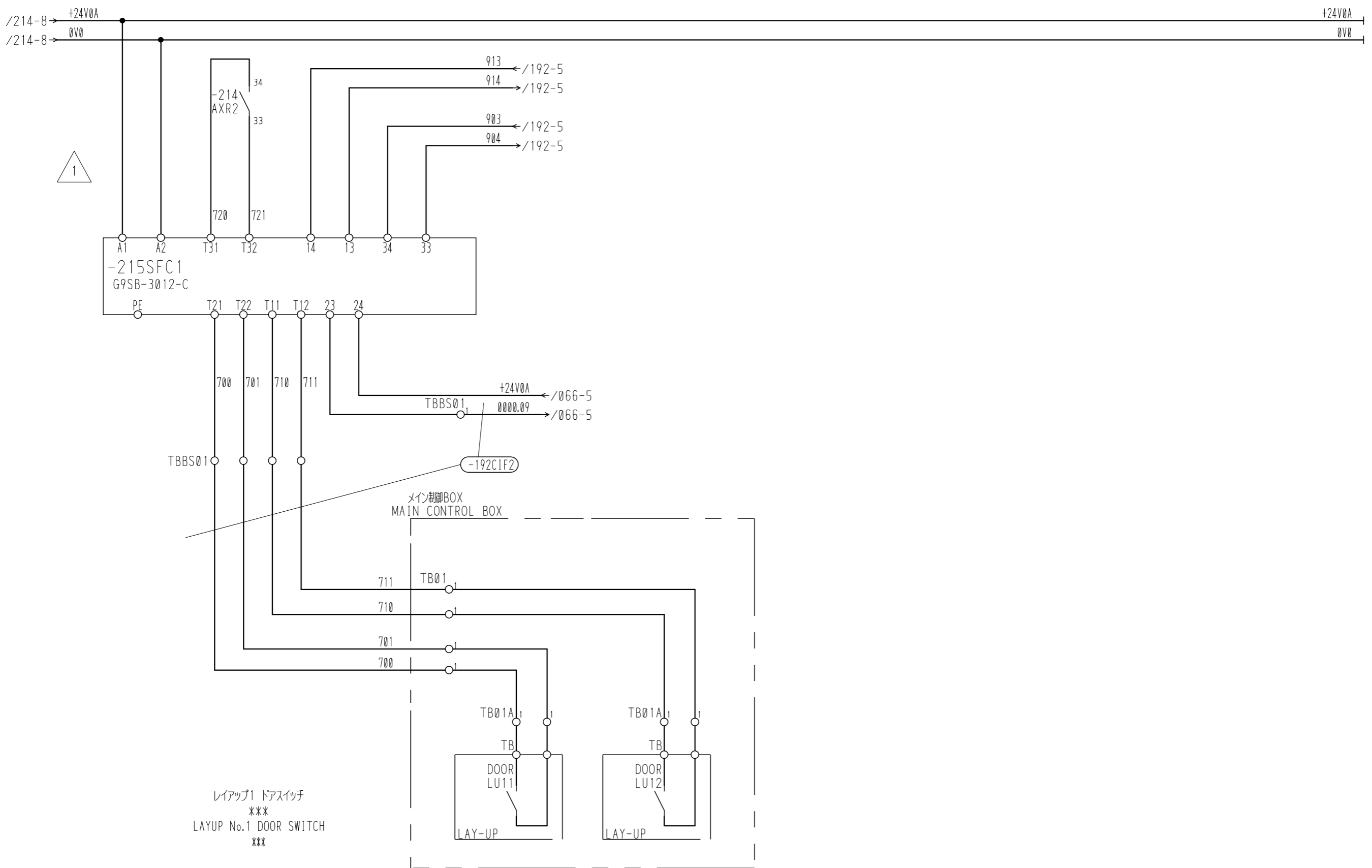
-214AXR1 G7SA-5A1B		-214AXR2 G7SA-3A1B		
a	5453	212-2	b	11211
a	3433	210-2	a	2423
b	1211		a	3433
a	6463	213-2	a	4443
a	4443		COLL 1 11 0	
a	2423		COLL 1 11 0	

CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW					PRODUCT NO.	セーフティリレーBOX SAFETY RELAY BOX	TITLE	制御回路(9/7)ドアスイッチ回路(5/5). CONTROL CIRCUIT(9/7). DOOR SWITCH CIRCUIT(5/5)	SH. NO.
REV.		REV.			NPC Incorporated		DWG. NO	18003587-02-SD	214

1 2 3 4 5 6 7 8

セーフティBOX
SAFETY BOX

A
B
C
D
E
F



レイアップ1 ドアスイッチ

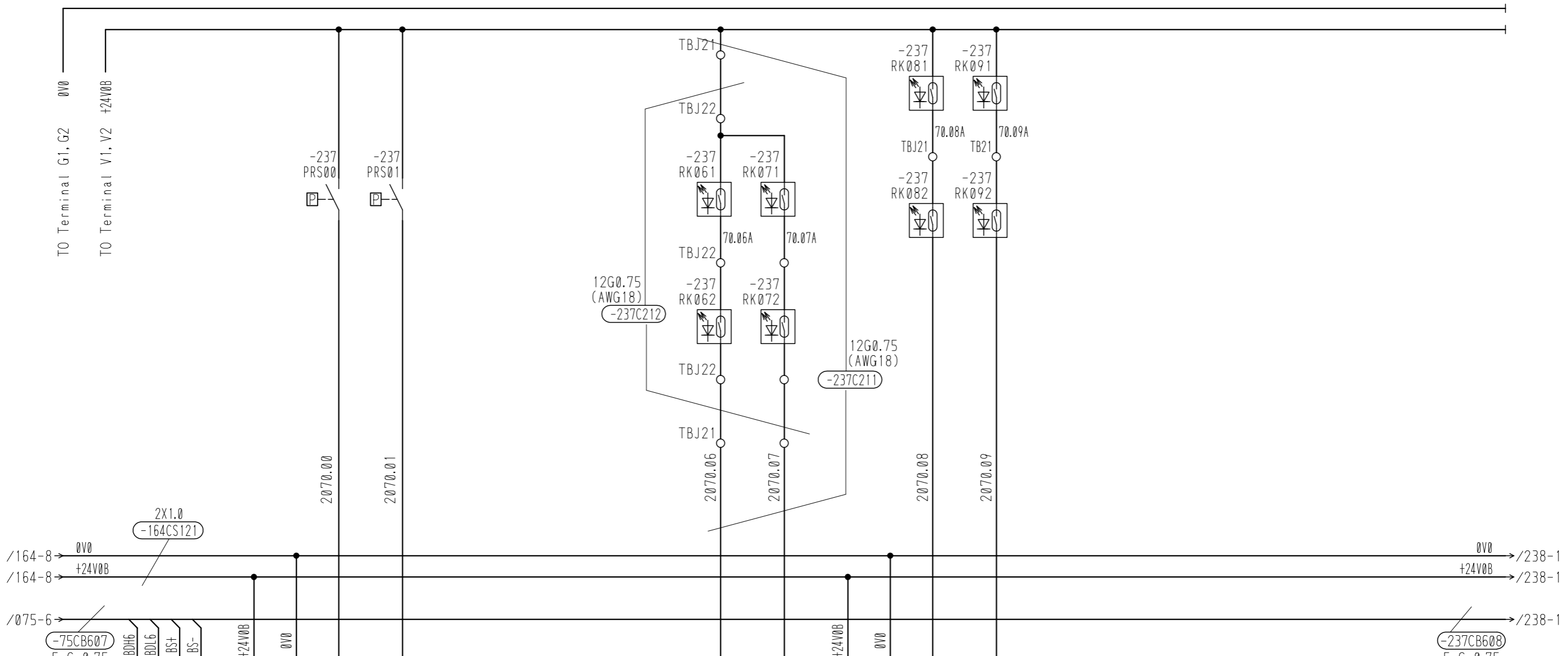
LAYUP No.1 DOOR SWITCH

※詳細はSD-050, 051に記載
*REFER TO SD-050, 051 FOR DETAIL.

REV.	▲	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW	▲	REV.	▲	PRODUCT NO.	セーフティレラーBOX SAFETY RELAY BOX	TITLE	制御回路(9/7)ドアスイッチ回路(4/4). CONTROL CIRCUIT(9/7). DOOR SWITCH CIRCUIT(4/4)	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	215

1 2 3 4 5 6 7 8

A
B
C
D
E
F



DIGITAL INPUT UNIT	BDH	BDL	BS+	BS-	ADDRESS	PIN	COMMENT
SRT2-ID16T-1	BDH	BDL	BS+	BS-	04		
MACHINE No. 06							
NODE ADDRESS							
COMMENT							
	V				V1		
	G				G1		
ストリングセル取出リッパオーバー吸着検知1 (上流側) *** STRING CELL DISCHARGE FLIP OVER VACUUM SENSOR 1 (UPSTREAM)					2070.00		
ストリングセル取出リッパオーバー吸着検知2 (下流側) *** STRING CELL DISCHARGE FLIP OVER VACUUM SENSOR 2 (DOWNSTREAM)					2070.01		
***					2070.02		
***					2070.03		
					2070.04		
					2070.05		
ストリングセル取出リッパオーバー 180° 行 *** STRING CELL DISCHARGE FLIP OVER 180° FORWARD					2070.06		
ストリングセル取出リッパオーバー 180° 戻 *** STRING CELL DISCHARGE FLIP OVER 180° BACKWARD					2070.07		
	V						
	G						
ストリングセル取出リッパオーバー 下限 *** STRING CELL DISCHARGE FLIP OVER LOWER LIMIT					2070.08		
ストリングセル取出リッパオーバー 上限 *** STRING CELL DISCHARGE FLIP OVER UPPER LIMIT					2070.09		
					2070.10		
					2070.11		
					2070.12		
					2070.13		
					2070.14		
					2070.15		

CSA電気安全審査における指摘点の変更
CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW

PRODUCT NO. **セル取出し架台内**
CELL DISCHARGE TRESTLE

TITLE **Bus/S入出力回路(7/) ID16T-1.**
CompoBus/S INPUT CIRCUIT(7/)
ID16T-1

SH. NO. 237

REV. **NPC Incorporated** DWG. NO. 18003587-02-SD

1 2 3 4 5 6 7 8

A
B
C
D
E
F

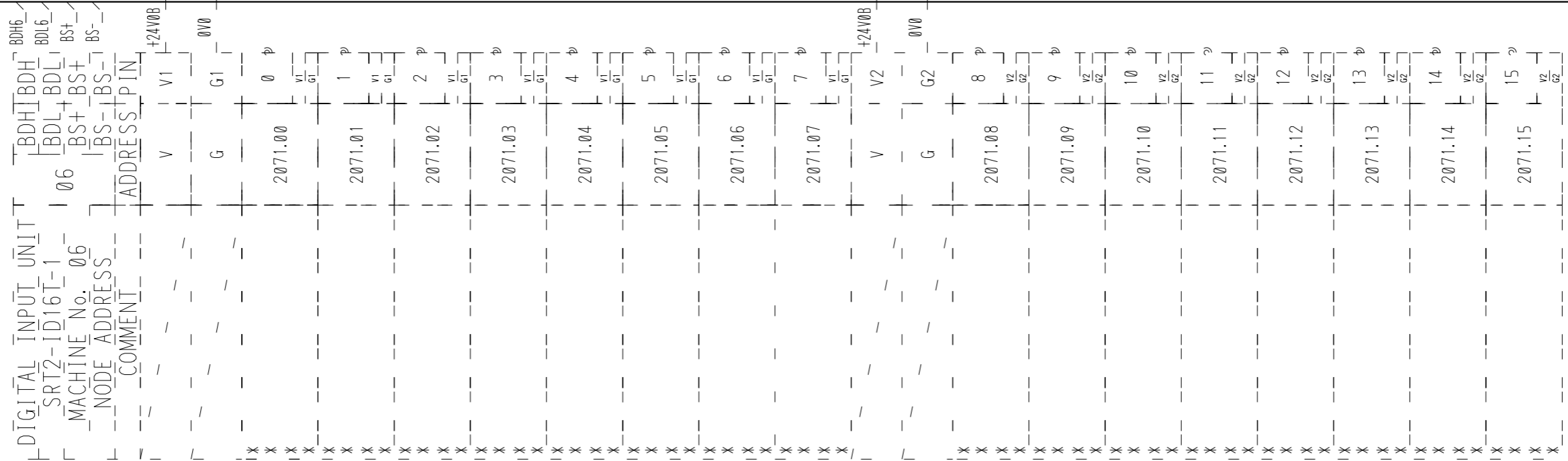
TO Terminal G1, G2 0V0
TO Terminal V1, V2 +24V0B

/237-8 0V0 → /239-1
/237-8 +24V0B → /239-1
/237-8 → /239-1

-237CB608
5 G 0.75
(AWG18)

-2381DT606

-237CB608
5 G 0.75
(AWG18)



REV.						PRODUCT NO.	セル取出し架台内 CELL DISCHARGE TRESTLE	TITLE	Bus/S入出力回路(8/) ID16T-1. CompoBus/S INPUT CIRCUIT(8/) ID16T-1	SH. NO.
						NPC Incorporated		DWG. NO	18003587-02-SD	238

1

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7

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A

B

C

D

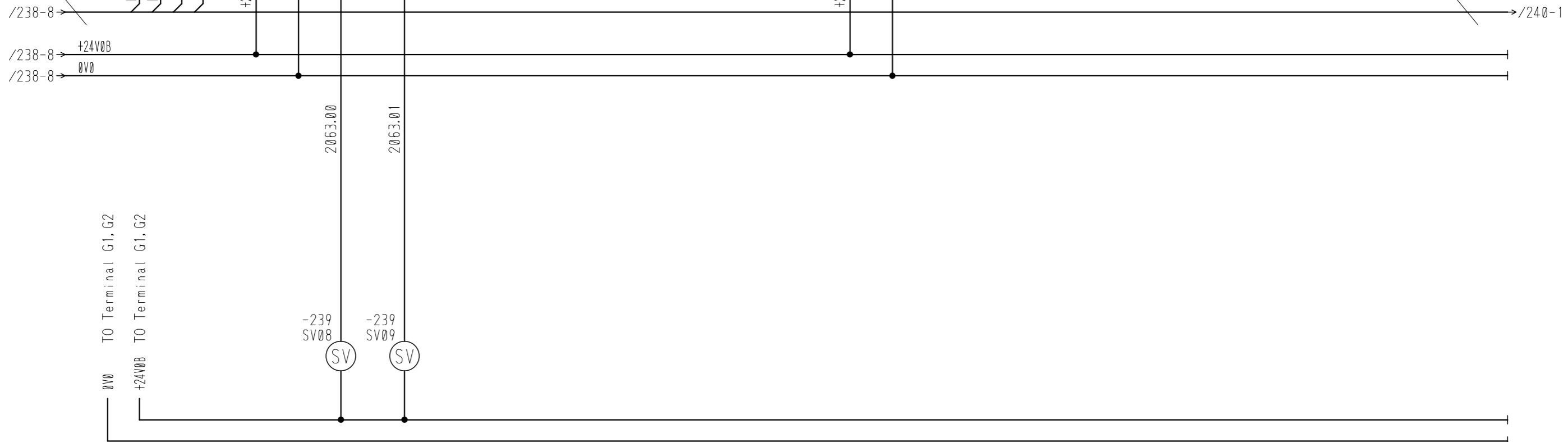
E

F

-2390DT606

5 G 0.75 (AWG18) -237CB608

5 G 0.75 (AWG18) -239CB610



0V0 TO Terminal G1, G2

+24V0B TO Terminal G1, G2

-239 SV08

-239 SV09

PRODUCT NO.

セル取出し架台内
CELL DISCHARGE TRESTLE

TITLE

Bus/S入出力回路(9/) OD16T-1.
CompoBus/S INPUT CIRCUIT(9/)
OD16T-1

SH. NO.

REV.

REV.



NPC Incorporated

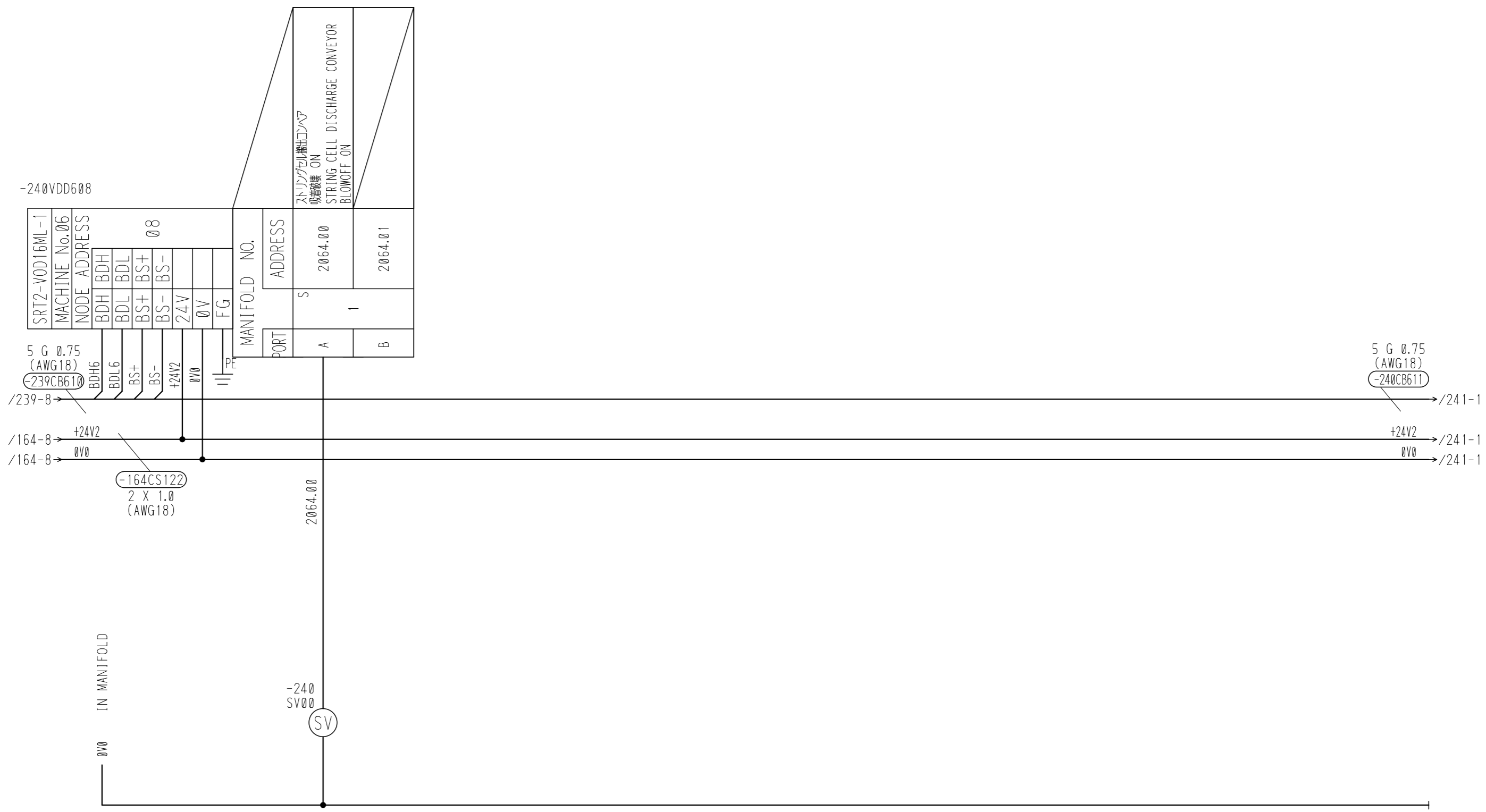
DWG. NO

18003587-02-SD

239

1 2 3 4 5 6 7 8

A
B
C
D
E
F



REV.									PRODUCT NO.	セル取出し架台内 CELL DISCHARGE TRESTLE	TITLE	Bus/S入出力回路(10/)VDD16ML-1. CompoBus/S INPUT CIRCUIT(10/) SRT2-VDD16ML-1	SH. NO.
									NPC Incorporated		DWG. NO	18003587-02-SD	240

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A

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E

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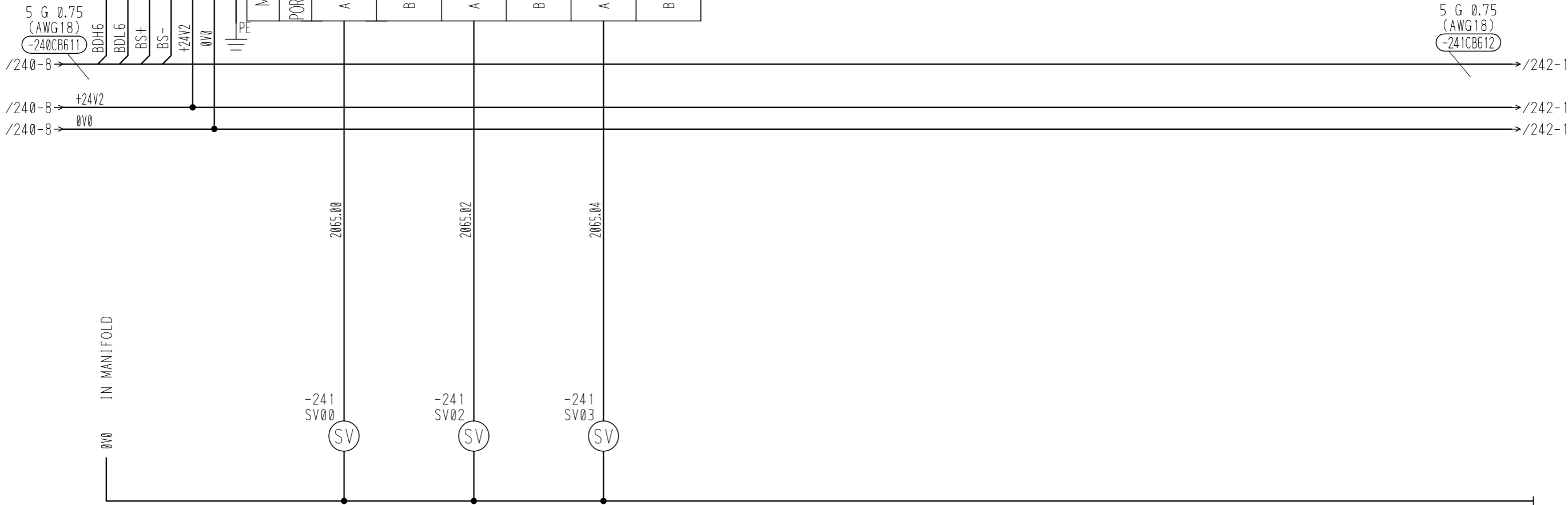
-241VOD610

SRT2-VDD16ML-1	10					
MACHINE No.06						
MANIFOLD NO.						
ADDRESS						
PORT						
2065.00						
2065.01						
2065.02						
2065.03						
2065.04						
2065.05						

ベルトテンション ON
(ベルト交換 ON)
BELT TENSION NO.1 ON
(BELT REPLACEMENT ON)

洗浄ユニット 行
CLEANING UNIT FORWARD

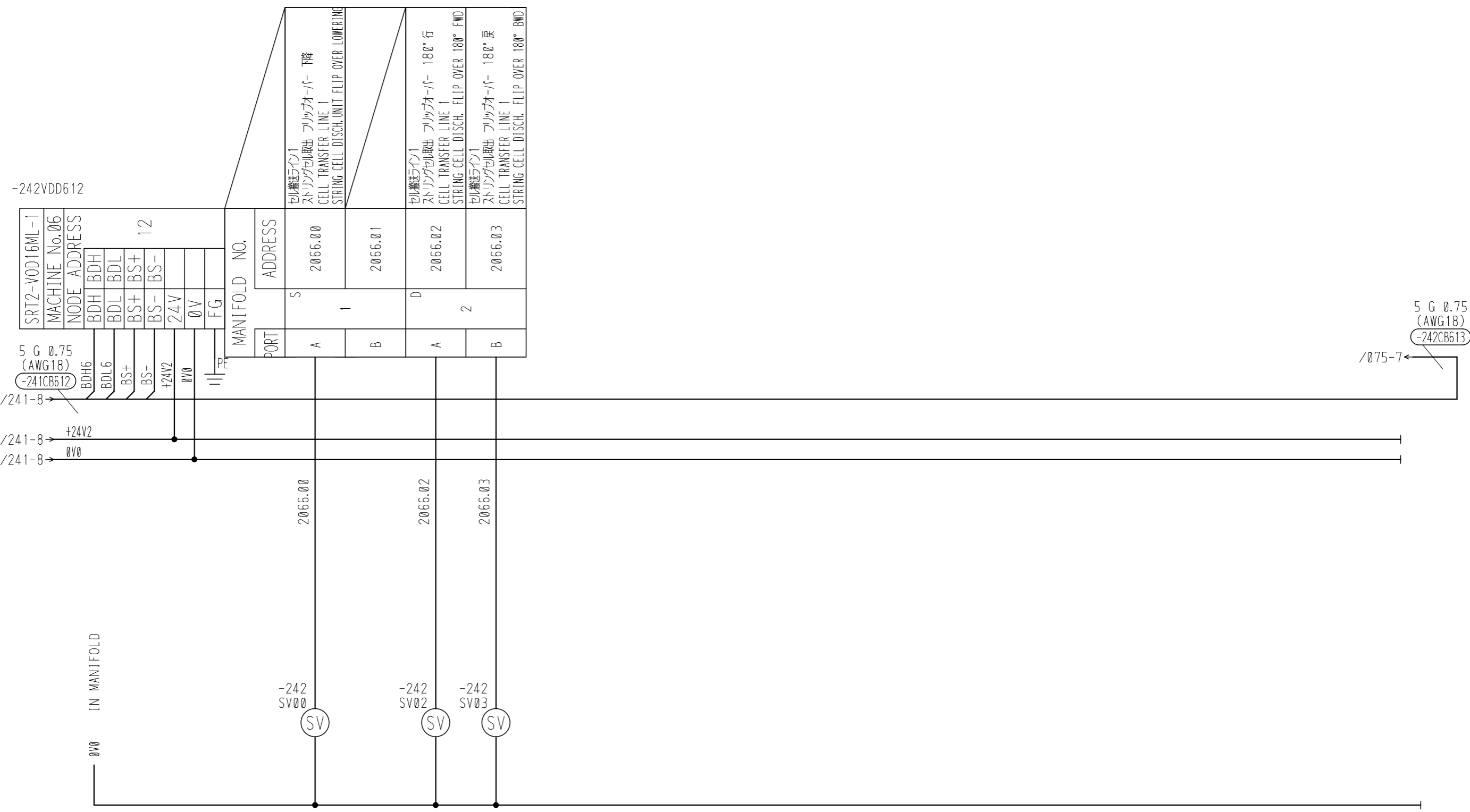
洗浄液塗布
CLEANING LIQUID APPLICATION



△	CSA電気安全審査における指摘点の変更 CHANGE FOR NOTED POINTS FOR CSA ELECTRIC SAFETY REVIEW							PRODUCT NO.	セル取出し架台内 CELL DISCHARGE TRESTLE	TITLE	Bus/S入出力回路(11/)VDD16ML-1. CompoBus/S INPUT CIRCUIT(11/) SRT2-VDD16ML-1	SH. NO.
△								NPC Incorporated	DWG. NO	18003587-02-SD	241	
△	REV.			REV.								

1 2 3 4 5 6 7 8


A
B
C
D
E
F



REV.		REV.		PRODUCT NO.	セル取出し架台内 CELL DISCHARGE TRESTLE	TITLE	Bus/S入出力回路(11/)VDD16ML-1. CompoBus/S INPUT CIRCUIT(11/) SRT2-VDD16ML-1	SH. NO.
				NPC Incorporated		DWG. NO	18003587-02-SD	242

Revision History

Rev. No.	Date	Contents	Referential Documents	Prepared	Approved
△ 0	2010.11	初版 ISSUED	- - - - - - - - - -	R. Nakamura	T. Matsuo
			- - - - - - - - - -		
			- - - - - - - - - -		
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 NPC Incorporated	TITLE	改定履歴表 Revision History	SH. No.
	MACHINE No.	18003587-02	***

NOTES

電気図面に表記されているケーブルサイズは、単位無き場合全てmm²とする。 (例) 4×0.5 → 4×0.5mm²

THE SIZE OF THE CABLES WRITTEN IN ELECTRICAL DRAWING ARE ALL mm² WHEN THE VALUE ISN'T SHOWN WITH ANY UNIT.

直流制御回路の制御盤内に使用するコモン線は、指定無き場合 全て1.0mm²(AWG18)とする。

THE COMMON LINE USED IN THE CONTROL BOX OF THE DIRECT CURRENT CONTROL CIRCUIT IS ALL 1.0mm²(AWG18) WITHOUT ANY SPECIFICATIONS.

直流制御回路の制御盤内に使用するPLC信号線は、指定無き場合 全て0.5mm²(AWG20)とする。


THE PLC SIGNAL WIRE USED IN THE CONTROL BOX OF THE DIRECT CURRENT CONTROL CIRCUIT IS ALL 0.5mm²(AWG20) WITHOUT ANY SPECIFICATIONS.

直流制御回路内の多芯ケーブルは、指定無き場合 全てLAPP KABEL社製 UNITRONIC FD P plus UL/CSAとする

ALL MULTICORE CABLES IN THE DIRECT CURRENT CONTROL CIRCUIT ARE ASSUMED 'UNITRONIC FD P plus UL/CSA' MADE BY LAPP KABEL COMPANY WITHOUT ANY SPECIFICATIONS.

交流動力回路内の多芯ケーブルは、指定無き場合 全てLAPP KABEL社製 OLFLEX CONTROL TMとする

ALL MULTICORE CABLES IN THE ALTERNATE CURRENT DRIVE CIRCUIT ARE ASSUMED 'OLFLEX CONTROL TM' MADE BY LAPP KABEL COMPANY WITHOUT ANY SPECIFICATIONS.

▲				 NPC Incorporated	Sequence diagram	MACHINE No.	18003587-02
▲							
▲							
▲							
▲							
REV. ▲							

MACHINE NAME

AUTOMATED TABBING & STRINGING MACHINE

MODEL No.


NTS-150-S-H-3K

SERIAL No.

Sequence diagram

CONTENTS


TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.
CONTENTS	-	電源 動力回路(9/)制御電源 POWER SUPPLY & POWER CIR	009	R CIRCUIT(26/)TAB ROLLER MOTOR		電源 動力回路(36/)中央ヒータ-POWER SUPPLY & POWE	036	制御回路(5/)予備回路 CONTROL CIRCUIT(5/).SPARE	045
電源 動力回路(1/).	001	CUIT(9/)CONTROL POWER SUPPLY		電源 動力回路(27/)予備電源 POWER SUPPLY & POWER CIR	027	R CIRCUIT(36/)CENTER AIR HEATER		制御回路(10/)予備回路 CONTROL CIRCUIT(10/).SPARE	050
POWER SUPPLY & POWER CIRCUIT(1/).		電源 動力回路(10/)予備電源 POWER SUPPLY & POWER CIR	010	CUIT(27/)SPARE		電源 動力回路(37/)左アヒータ-POWER SUPPLY & POWE	037	制御回路(11/)予備回路 CONTROL CIRCUIT(11/).SPARE	051
電源 動力回路(2/).	002	CUIT(10/)SPARE		電源 動力回路(28/)セル予備加熱投入制御 POWER SUPPLY	028	R CIRCUIT(37/)LEFT AIR HEATER		制御回路(12/)シグナルタワー回路	052
POWER SUPPLY & POWER CIRCUIT(2/).		電源 動力回路(11/)DC24V制御電源 POWER SUPPLY & P	011	& POWER CIRCUIT(28/)CELL PREHEAT TRANSF		電源 動力回路(38/)ステップモーター(1/2)POWER SUPPLY	038	CONTROL CIRCUIT(12/).SIGNAL TOWER CIRCU	
電源 動力回路(3/).	003	OWER CIRCUIT(11/)DC24V CONTROL POWER BR		ER 1		& POWER CIRCUIT(38/)STEPPING MOTOR(1/2		IT	
POWER SUPPLY & POWER CIRCUIT(3/).		ANCH		電源 動力回路(29/)セル予備加熱テーブル2 POWER SUPPLY & P	029	)		制御回路(13/)制御電源回路(1/2).	053
電源 動力回路(4/).	004	電源 動力回路(12/)予備電源 POWER SUPPLY & POWER CIR	012	OWER CIRCUIT(29/)CELL PREHEAT TABLE 2		電源 動力回路(39/)ステップモーター(2/2)POWER SUPPLY	039	CONTROL CIRCUIT(13/).CONTROL POWER CIRC	
POWER SUPPLY & POWER CIRCUIT(4/).		CUIT(12/)SPARE		電源 動力回路(30/)半田テーブル POWER SUPPLY & POWER	030	& POWER CIRCUIT(39/)STEPPING MOTOR(2/2		UIT(1/2)	
電源 動力回路(5/)ヒータ部電源(1/2)POWER SUPPLY & P	005	電源 動力回路(21/)セル位置検出ロボット POWER SUPPLY & PO	021	CIRCUIT(30/)SOLDERING TABLE		)		制御回路(14/)制御電源回路(2/2).	054
OWER CIRCUIT(5/)HEATER PART POWER SUPPL		WER CIRCUIT(21/)CELL ALIGNMENT ROBOT		電源 動力回路(31/)保温テーブル1 POWER SUPPLY & POWER	031	電源 動力回路(40/)PLC電源 POWER SUPPLY & POWER C	040	CONTROL CIRCUIT(14/).CONTROL POWER CIRC	
Y(1/2).		電源 動力回路(22/)カメラ電源 POWER SUPPLY & POWER	022	CIRCUIT(31/)POSTHEAT TABLE NO.1		IRCUIT(40/)PLC POWER		UIT(2/2)	
電源 動力回路(6/)ヒータ部電源(2/2)POWER SUPPLY & P	006	CIRCUIT(22/)CAMERA POWER CIRCUIT		電源 動力回路(32/)予備電源 POWER SUPPLY & POWER CIR	032	制御回路(1/)急停止回路(1/2)CONTROL CIRCUIT(1/)R	041	制御回路(15/)予備回路 CONTROL CIRCUIT(15/).SPARE	055
OWER CIRCUIT(6/)HEATER PART POWER SUPPL		電源 動力回路(23/)予備電源 POWER SUPPLY & POWER CIR	023	CUIT(32/)SPARE		EADY ON CIRCUIT(1/2)		制御回路(16/)予備回路 CONTROL CIRCUIT(16/).SPARE	056
Y(2/2)		CUIT(23/)SPARE		電源 動力回路(33/)予備電源 POWER SUPPLY & POWER CIR	033	制御回路(2/)急停止回路(2/2)CONTROL CIRCUIT(2/)R	042	制御回路(17/)予備回路 CONTROL CIRCUIT(17/).SPARE	057
電源 動力回路(7/)ピッチ変更モーター電源 POWER SUPPLY & PO	007	電源 動力回路(24/)POWER SUPPLY & POWER CIRCUI	024	CUIT(33/)SPARE		EADY ON CIRCUIT(2/2)		制御回路(18/)予備回路 CONTROL CIRCUIT(18/).SPARE	058
WER CIRCUIT(7/).PITCH CHANGE MOTOR POWE		T(24/)		電源 動力回路(34/)予備電源 POWER SUPPLY & POWER CIR	034	制御回路(3/)非常停止回路(1/2)CONTROL CIRCUIT(3/)E	043	SERVO DRV 入力回路(1/1)予備回路	059
R		電源 動力回路(25/)予備電源 POWER SUPPLY & POWER CIR	025	CUIT(34/)SPARE		MERGENCY STOP CIRCUIT(1/2)		SERVO DRV INPUT CIRCUIT(1/1).SPARE	
電源 動力回路(8/)AC100V電源 POWER SUPPLY & POWER	008	CUIT(25/)SPARE		電源 動力回路(35/)右アヒータ-POWER SUPPLY & POWE	035	制御回路(4/)非常停止回路(2/2)CONTROL CIRCUIT(4/)E	044	PLC出力回路(1/) CPUPLC INPUT&OUTPUT CIRCUI	060
CIRCUIT(8/)AC100V POWER SUPPLY		電源 動力回路(26/)右送ヒータ-POWER SUPPLY & POWE	026	R CIRCUIT(35/)RIGHT AIR HEATER		MERGENCY STOP CIRCUIT(2/2)		T(1/)PLC	

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TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.
PLC出力回路(2/)SCU21.	061	PLC INPUT OUTPUT CIRCUIT(13/).SRM21(2/4))		Compo Bus/S I/O CIRCUIT(2/).OD16-1		Bus/S出力回路(16/)七线共线(14/).	116
PLC INPUT OUTPUT CIRCUIT(2/).SCU21		)		PLC出力回路(26/)TC004(11/).	086	Bus/S出力回路(3/)ID16T-1.	103	Compo Bus/S I/O CIRCUIT(16/).CELL FEED	
PLC出力回路(3/)予備回	062	PLC出力回路(14/)SRM21(3/4).	074	PLC INPUT OUTPUT CIRCUIT(26/).TC004(11/)		Compo Bus/S I/O CIRCUIT(3/).ID16T-1		PART(14/)	
PLC INPUT OUTPUT CIRCUIT(3/).SPARE		PLC INPUT OUTPUT CIRCUIT(14/).SRM21(3/4)		)		Bus/S出力回路(4/)予備回	104	Bus/S出力回路(17/)予備回	117
PLC出力回路(4/)DRM21.	063	)		PLC出力回路(27/)TC004(12/).	087	Compo Bus/S I/O CIRCUIT(4/).SPARE		Compo Bus/S I/O CIRCUIT(17/)SPARE	
PLC INPUT OUTPUT CIRCUIT(4/).DRM21		PLC出力回路(15/)SRM21(4/4).	075	PLC INPUT OUTPUT CIRCUIT(27/).TC004(12/)		Bus/S出力回路(5/)OD16T-1.	105	Bus/S出力回路(18/)予備回	118
PLC出力回路(4/)DRM21.	064	PLC INPUT OUTPUT CIRCUIT(15/).SRM21(4/4)		)		Compo Bus/S I/O CIRCUIT(5/). OD16T-1		Compo Bus/S I/O CIRCUIT(18/)SPARE	
PLC INPUT OUTPUT CIRCUIT(4/).DRM21		)		PLC出力回路(28/)予備回	088	Bus/S出力回路(6/)ID16T-1.	106	Bus/S出力回路(19/)予備回	119
PLC出力回路(6/)NC213.	065	PLC出力回路(16/)TC004(1/).	076	PLC INPUT OUTPUT CIRCUIT(28/).SPARE		Compo Bus/S I/O CIRCUIT(6/)ID16T-1		Compo Bus/S I/O CIRCUIT(19/)SPARE	
PLC INPUT OUTPUT CIRCUIT(6/).NC213		PLC INPUT OUTPUT CIRCUIT(16/).TC004(1/)		PLC出力回路(29/)ETN21.	089	Bus/S出力回路(7/)ID16T-1.	107	Bus/S出力回路(20/)予備回	120
PLC出力回路(6/)ID232(1/2).	066	PLC出力回路(17/)TC004(2/).	077	PLC INPUT OUTPUT CIRCUIT(29/).CJ1W-ETN2		Compo Bus/S I/O CIRCUIT(7/).ID16T-1		Compo Bus/S I/O CIRCUIT(20/)SPARE	
PLC INPUT OUTPUT CIRCUIT(6/).ID232(1/2)		PLC INPUT OUTPUT CIRCUIT(17/).TC004(2/)		1		Bus/S出力回路(8/)予備回	108	Bus/S出力回路(21/)ID16-1.	121
PLC出力回路(7/)ID232(2/2).	067	PLC出力回路(18/)予備回(3/).	078	PLC出力回路(15/)SRM21(5/5).	090	Compo Bus/S I/O CIRCUIT(8/).SPARE		Compo Bus/S I/O CIRCUIT(21/)ID16-1	
PLC INPUT OUTPUT CIRCUIT(7/).ID232(2/2)		PLC INPUT OUTPUT CIRCUIT(18/).SPARE(3/)		PLC INPUT OUTPUT CIRCUIT(15/).SRM21(5/5)		Bus/S出力回路(9/)ID16T-1.	109	Bus/S出力回路(22/)ID16-1.	122
PLC出力回路(8/)OD262(1/4).	068	PLC出力回路(19/)TC004(4/).	079	)		Compo Bus/S I/O CIRCUIT(9/).ID16T-1		Compo Bus/S I/O CIRCUIT(22/)ID16-1	
PLC INPUT OUTPUT CIRCUIT(8/).OD262(1/4)		PLC INPUT OUTPUT CIRCUIT(19/).TC004(4/)		CompoBus/系回(1/5).	096	Bus/S出力回路(10/)予備回	110	Bus/S出力回路(23/)OD16-1.	123
PLC出力回路(9/)OD262(2/4).	069	PLC出力回路(20/)TC004(5/).	080	Compo Bus/S CIRCUIT SYSTEM(1/5)		Compo Bus/S I/O CIRCUIT(10/).SPARE		Compo Bus/S I/O CIRCUIT(23/)OD16-1	
PLC INPUT OUTPUT CIRCUIT(9/).OD262(2/4)		PLC INPUT OUTPUT CIRCUIT(20/).TC004(5/)		CompoBus/系回(2/5).	097	Bus/S出力回路(11/)予備回	111	Bus/S出力回路(24/)ID16T-1.	124
PLC出力回路(10/)OD262(3/4).	070	PLC出力回路(21/)TC004(6/).	081	Compo Bus/S CIRCUIT SYSTEM(2/5)		Compo Bus/S I/O CIRCUIT(11/).SPARE		Compo Bus/S I/O CIRCUIT(24/)ID16T-1	
PLC INPUT OUTPUT CIRCUIT(10/).OD262(3/4)		PLC INPUT OUTPUT CIRCUIT(21/).TC004(6/)		CompoBus/系回(3/5).	098	Bus/S出力回路(12/)予備回	112	Bus/S出力回路(25/)ID16T-1.	125
)		PLC出力回路(22/)TC004(7/).	082	Compo Bus/S CIRCUIT SYSTEM(3/5)		Compo Bus/S I/O CIRCUIT(12/).SPARE		Compo Bus/S I/O CIRCUIT(25/)ID16T-1	
PLC出力回路(11/)OD262(4/4).	071	PLC INPUT OUTPUT CIRCUIT(22/).TC004(7/)		CompoBus/系回(4/5).	099	Bus/S出力回路(13/)OD16T-1.	113	Bus/S出力回路(26/)ID16T-1.	126
PLC INPUT OUTPUT CIRCUIT(11/).OD262(4/4)		PLC出力回路(23/)TC004(8/).	083	Compo Bus/S CIRCUIT SYSTEM(4/5)		Compo Bus/S I/O CIRCUIT(13/).OD16T-1		Compo Bus/S I/O CIRCUIT(26/)ID16T-1	
)		PLC INPUT OUTPUT CIRCUIT(23/).TC004(8/)		CompoBus/系回(5/5).	100	Bus/S出力回路(14/)予備回	114	Bus/S出力回路(27/)ID16T-1.	127
PLC出力回路(12/)SRM21(1/4).	072	PLC出力回路(24/)TC004(9/).	084	Compo Bus/S CIRCUIT SYSTEM(5/5)		Compo Bus/S I/O CIRCUIT(14/).SPARE		Compo Bus/S I/O CIRCUIT(27/)ID16T-1	
PLC INPUT OUTPUT CIRCUIT(12/).SRM21(1/4)		PLC INPUT OUTPUT CIRCUIT(24/).TC004(9/)		Bus/S出力回路(1/)ID16-1.	101	Bus/S出力回路(15/)VDD16ML-1.	115	Bus/S出力回路(28/)ID16T-1Compo Bus/S I/O C	128
)		PLC出力回路(25/)TC004(10/).	085	Compo Bus/S I/O CIRCUIT(1/).ID16-1		Compo Bus/S I/O CIRCUIT(15/).SRT2-VDD16		IRCUIT(28/)ID16T-1	
PLC出力回路(13/)SRM21(2/4).	073	PLC INPUT OUTPUT CIRCUIT(25/).TC004(10/)		Bus/S出力回路(2/)OD16-1.	102	ML-1			

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Sequence diagram




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TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.
Bus/S入出力回路(29/)予備図	129	Compo Bus/S I/O CIRCUIT(40/)SPARE		電源 動力回路(6/)予備図	166	電源 動力回路(14/)予備図	177	RVO	
Compo Bus/S I/O CIRCUIT(29/)SPARE		Bus/S入出力回路(41/)VDD16ML-1.	141	POWER SUPPLY & POWER CIRCUIT(6/)SPARE		POWER SUPPLY & POWER CIRCUIT(14/)SPARE		Bus/S入出力回路(3/4)予備図	187
Bus/S入出力回路(30/)ID16T-1.	130	Compo Bus/S I/O CIRCUIT(41/)SRT2-VDD16M		電源 動力回路(7/)予備図	167	サボ入力回路(1/).	178	Compo Bus/S I/O CIRCUIT(3/4)SPARE	
Compo Bus/S I/O CIRCUIT(30/)ID16T-1		L-1		POWER SUPPLY & POWER CIRCUIT(7/)SPARE		SERVO INPUT CIRCUIT(1/)CELL TRANSFER SE		Bus/S入出力回路(4/4)ROC08.	188
Bus/S入出力回路(31/)ID16T-1.	131	Bus/S入出力回路(42/)VDD16ML-1.	142	電源 動力回路(7/)予備図	168	RVO		Compo Bus/S I/O CIRCUIT(4/4)ROC08	
Compo Bus/S I/O CIRCUIT(31/)ID16T-1		Compo Bus/S I/O CIRCUIT(42/)SRT2-VDD16M		POWER SUPPLY & POWER CIRCUIT(7/)SPARE		サボ入力回路(2/).	179	Bus/S入出力回路(5/5).	189
Bus/S入出力回路(32/)ID16T-1.	132	L-1		電源 動力回路(8/)フック及機軸ケーブル	169	SERVO INPUT CIRCUIT(2/)CELL TRANSFER SE		Compo Bus/S I/O CIRCUIT(5/5)	
Compo Bus/S I/O CIRCUIT(32/)ID16T-1		Bus/S入出力回路(43/)VDD16ML-1.	143	POWER SUPPLY & POWER CIRCUIT(8/)FLUX TR		RVO		Bus/S入出力回路(5/5).	190
Bus/S入出力回路(33/)予備図	133	Compo Bus/S I/O CIRCUIT(43/)SRT2-VDD16M		ANSFER SERVO MOTOR		サボ入力回路(3/).	180	Compo Bus/S I/O CIRCUIT(5/5)	
Compo Bus/S I/O CIRCUIT(33/)SPARE		L-1		電源 動力回路(8/)フック及機軸ケーブル	170	SERVO INPUT CIRCUIT(3/)CELL TRANSFER SE		Bus/S入出力回路(5/5).	191
Bus/S入出力回路(34/)OD16T-1.	134	Bus/S入出力回路(44/)VDD16ML-1.	144	POWER SUPPLY & POWER CIRCUIT(8/)FLUX TR		RVO		Compo Bus/S I/O CIRCUIT(5/5)	
Compo Bus/S I/O CIRCUIT(34/)OD16T-1		Compo Bus/S I/O CIRCUIT(44/)SRT2-VDD16M		ANSFER SERVO MOTOR		サボ入力回路(4/).	181	Bus/S入出力回路(5/5).	192
Bus/S入出力回路(35/)左タテ機部(2/11).	135	L-1		電源 動力回路(8/)フック及機軸ケーブル	171	SERVO INPUT CIRCUIT(4/)CELL TRANSFER SE		Compo Bus/S I/O CIRCUIT(5/5)	
Compo Bus/S I/O CIRCUIT(35/)LEFT TAB FE		Bus/S入出力回路(45/)予備図	145	POWER SUPPLY & POWER CIRCUIT(8/)FLUX TR		RVO		Bus/S入出力回路(5/5).	193
ED PART(2/11)		Compo Bus/S I/O CIRCUIT(45/)SPARE		ANSFER SERVO MOTOR		サボ入力回路(5/).	182	Compo Bus/S I/O CIRCUIT(5/5)	
Bus/S入出力回路(36/)VDD16ML-1.	136	Bus/S入出力回路(46/)予備図	146	電源 動力回路(9/)セリ投入機軸ケーブル	172	SERVO INPUT CIRCUIT(5/)CELL TRANSFER SE		Bus/S入出力回路(5/5).	194
Compo Bus/S I/O CIRCUIT(36/)SRT2-VDD16M		Compo Bus/S I/O CIRCUIT(46/)SPARE		POWER SUPPLY & POWER CIRCUIT(9/)CELL FE		RVO		Compo Bus/S I/O CIRCUIT(5/5)	
L-1		電源 動力回路(1/).	161	ED SERVO MOTOR		サボ入力回路(6/).	183	Bus/S入出力回路(5/5).	
Bus/S入出力回路(37/)VDD16ML-1.	137	POWER SUPPLY & POWER CIRCUIT(1/)		電源 動力回路(10/)タテ機ケーブル	173	SERVO INPUT CIRCUIT(6/)CELL TRANSFER SE		Compo Bus/S I/O CIRCUIT(5/5)	
Compo Bus/S I/O CIRCUIT(37/)SRT2-VDD16M		電源 動力回路(2/).	162	POWER SUPPLY & POWER CIRCUIT(10/)TAB FE		RVO		DeviceNet入出力回路 DeviceNet I/O CIRCUIT	
L-1		POWER SUPPLY & POWER CIRCUIT(2/)		ED SERVO MOTOR		サボ入力回路(7/).	184	電源 動力回路(4/).	201
Bus/S入出力回路(38/)VDD16ML-1.	138	電源 動力回路(3/)予備図	163	電源 動力回路(11/)タテ機ケーブル	174	SERVO INPUT CIRCUIT(7/)CELL TRANSFER SE		POWER SUPPLY & POWER CIRCUIT(4/).	
Compo Bus/S I/O CIRCUIT(38/)SRT2-VDD16M		POWER SUPPLY & POWER CIRCUIT(3/)SPARE		POWER SUPPLY & POWER CIRCUIT(11/)TAB TR		RVO		電源 動力回路(14/)マガジン搬送ヘッダNo. 1POWER SUPPLY	202
L-1		電源 動力回路(4/)DC電源	164	ANSFER SERVO MOTOR		サボ入力回路(8/).	185	& POWER CIRCUIT(14/)MAGAZINE TRANSFER C	
Bus/S入出力回路(39/)VDD16ML-1.	139	POWER SUPPLY & POWER CIRCUIT(4/)DC POWE		電源 動力回路(12/)予備図	175	SERVO INPUT CIRCUIT(8/)CELL TRANSFER SE		ONVEYOR No. 1	
Compo Bus/S I/O CIRCUIT(39/)SRT2-VDD16M		R SUPPLY		POWER SUPPLY & POWER CIRCUIT(12/)SPARE		RVO		電源 動力回路(15/)マガジン搬送ヘッダNo. 2POWER SUPPLY	203
L-1		電源 動力回路(5/)予備図	165	電源 動力回路(13/)予備図	176	サボ入力回路(9/).	186	& POWER CIRCUIT(15/)MAGAZINE TRANSFER C	
Bus/S入出力回路(40/)予備図	140	POWER SUPPLY & POWER CIRCUIT(5/)SPARE		POWER SUPPLY & POWER CIRCUIT(13/)SPARE		SERVO INPUT CIRCUIT(9/)CELL TRANSFER SE		ONVEYOR No. 2	

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TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.	TITLE	SHEET No.
電源 動力回路(16/)セリリカタ-NO.	204	CONTROL CIRCUIT(9/).DOOR SWITCH CIRCUIT					
1POWER SUPPLY & POWER CIRCUIT(16/)CELL		(4/4)					
LIFTER NO.1 MOTOR		Bus/出入回路(7/) ID16T-1.	237				
電源 動力回路(17/)セリリカタ-NO.	205	CompoBus/S INPUT CIRCUIT(7/)ID16T-1					
2POWER SUPPLY & POWER CIRCUIT(17/)CELL		Bus/出入回路(8/) ID16T-1.	238				
LIFTER NO.2 MOTOR		CompoBus/S INPUT CIRCUIT(8/)ID16T-1					
電源 動力回路(18/)予備POWER SUPPLY & POWER CIR	206	Bus/出入回路(9/) OD16T-1.	239				
CUIT(18/)SPARE		CompoBus/S INPUT CIRCUIT(9/)OD16T-1					
電源 動力回路(19/)予備POWER SUPPLY & POWER CIR	207	Bus/出入回路(10/)VDD16ML-1.	240				
CUIT(19/)SPARE		CompoBus/S INPUT CIRCUIT(10/)SRT2-VDD16					
電源 動力回路(20/)予備POWER SUPPLY & POWER CIR	208	ML-1					
CUIT(20/)SPARE.		Bus/出入回路(11/)VDD16ML-1.	241				
制御回路(6/)トアシツキ回路(1/4).	210	CompoBus/S INPUT CIRCUIT(11/)SRT2-VDD16					
CONTROL CIRCUIT(6/).DOOR SWITCH CIRCUIT		ML-1					
(1/4)		Bus/出入回路(11/)VDD16ML-1.	242				
制御回路(7/)トアシツキ回路(2/4).	211	CompoBus/S INPUT CIRCUIT(11/)SRT2-VDD16					
CONTROL CIRCUIT(7/).DOOR SWITCH CIRCUIT		ML-1					
(2/4)							
制御回路(8/)トアシツキ回路(3/4).	212	備考					
CONTROL CIRCUIT(8/).DOOR SWITCH CIRCUIT							
(3/4)							
制御回路(9/)トアシツキ回路(4/4).	213						
CONTROL CIRCUIT(9/).DOOR SWITCH CIRCUIT							
(4/4)							
制御回路(9/)トアシツキ回路(5/5).	214						
CONTROL CIRCUIT(9/).DOOR SWITCH CIRCUIT							
(5/5)							
制御回路(9/)トアシツキ回路(4/4).	215						

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