



Order Number :
Company Name :
Model :

Ver. 4.02

Edit date 2025-06-04

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Design Change Statement

Date	Page	Contents (about change of design)	Effective Date	Before change	After change	Notes
2024-02-05		신규설계	즉시			4.00
2025-02-11		통신케이블 실드 표기	즉시			4.01
2025-05-30		Safety Error 상태를 확인하기위해 A021:OS8 -> DI4_8 배선변경	즉시			4.02

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	57	Greas PUMP & Lubrication
=STD +UH4		Heater Cabinet
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	75	Motor
=STD +UH16		Sockets Cabinet
	76	3-phase

본 도면은 (주)우진플라임의 유·무형적 자산으로, 허가된 자에 한하여 열람이 가능하며, 허가 없이 복제 및 임의적 변경 등의 사용 및 배포를 일체 금합니다.

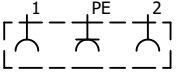
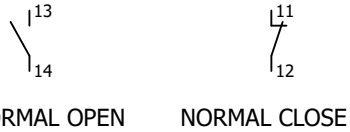
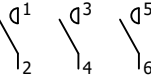
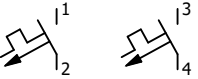
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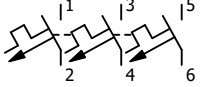
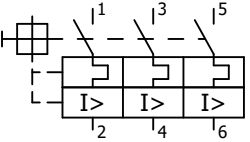
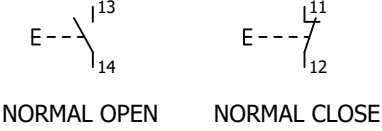
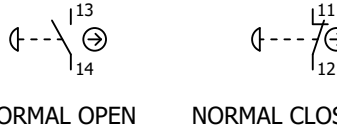
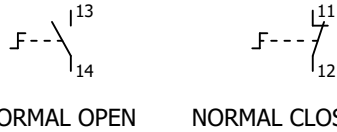
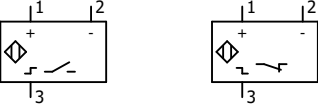
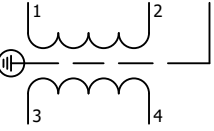
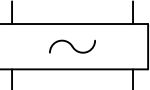
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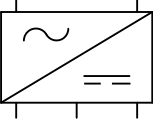
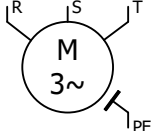
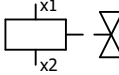
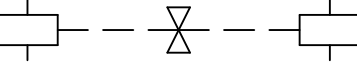
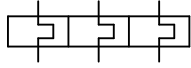
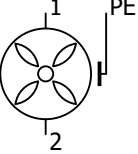


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SYMBOL DRAWING DIAGRAM

	TERMINAL BLOCK
	DT : XD CONNECTOR (PLUG&SOCKET)
	DT : XD CONCENT
	DT : K CONTACTOR RELAY
 NORMAL OPEN NORMAL CLOSE	DT : K CONTACT
	DT : QA MAGNETIC CONTACTOR
	DT : F FUSE
	DT : FC CIRCUIT PROTECTOR 1P
	DT : FC CIRCUIT PROTECT 2P

	DT : FC CIRCUIT PROTECT 3P
	DT : Q MOLDED CIRCUIT BREAKER
 NORMAL OPEN NORMAL CLOSE	DT : S PUSH BUTTON
 NORMAL OPEN NORMAL CLOSE	DT : SF EMERGENCY STOP SWITCH
 NORMAL OPEN NORMAL CLOSE	DT : S SELECTOR SWITCH
 NORMAL OPEN NORMAL CLOSE	DT : SF LIMIT SWITCH
	DT : BG PROXIMITY SENSOR
	DT : T TRANSFORMER
	DT : RF NOISE FILTER

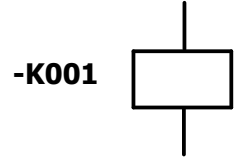
	DT : T POWER SUPPLY
	DT : PF LAMP
	DT : M 3 PHASE MOTOR
	DT : QM SOLENOID VALVE
	DT : QM SOLENOID VALVE, 2 COIL
	DT : QB THERMAL OVERLOAD RELAY
	DT : GQ FAN
	DT : BT THERMOCOUPLE
	DT : BG POTENTIOMETER

Examples of used letter codes and definitions regarding Equipment identification and numbering

장치 식별 및 넘버링에 사용된 문자 코드 정의의 예

Operating device

장치



+nnn -K 001

Continuous numbering
Letter code with regard to
the intended purpose or task.
Location designation

장치 증분에 따른
증분되는 번호
장치 종류에 따른 문자코드
장치 위치

Objects - Terminal block, Plug

개체 - 단자대, 커넥터

XD

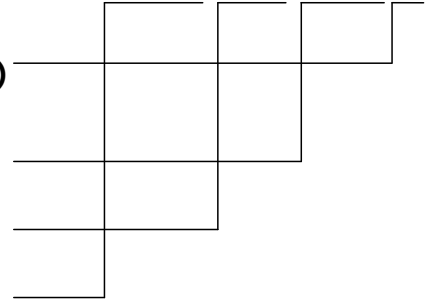


X nnn :nnn m

Terminal connection (a,b = double-,
a,b,c = triple-, a,b,c,d = quad-
Terminal strip)
Continuous numbering
of Terminal connection
Identification No. of Terminal Block/Plug
Letter code with regard to
the intended purpose or task.

단자대 연결
(a,b = 2포트, a,b,c = 3포트, a,b,c,d = 4포트)
단자대 증분에 따른
증분되는 넘버
단자대/커넥터의 식별 번호
사용 목적에 따른 장치 구분식별 번호

-XD 21:22a



Connection numbering between device

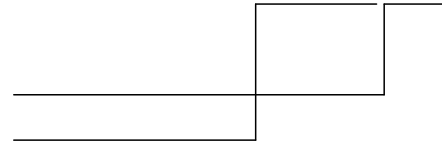
장치간의 연결 넘버링

+nnn :nn

Device connection Pin No. - Relay Pin No.
Starting/Arriving Device tag - Relay/Relay

장치 핀번호 -릴레이 핀 번호.
장치 라벨링 -릴레이 장치 코드

-K101:23
-K100:24



Display of cross-references

상호참조에 대한 표시

+ nnn / nnn .n

Position grid No. - (0-9) 열(그리드) 위치번호 -(0-9)
Page number 페이지 번호
Location designation 박스 위치

+UH2/065.1 / /074.9

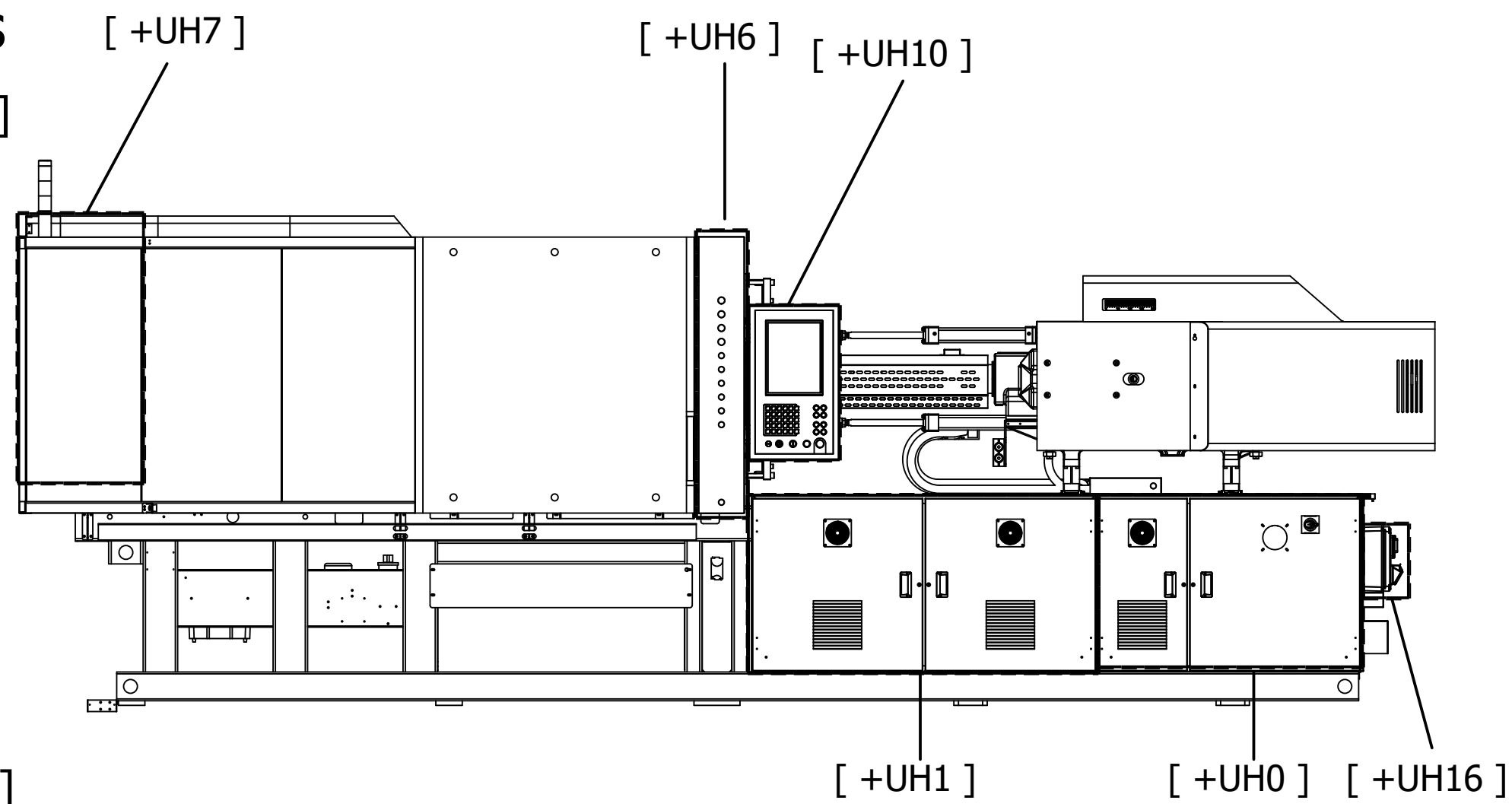
Component is located in
installation site +U2
on page 65, column 1
Installation site is unchanged,
component is located on page
74, column 9

*전위 넘버링 (Electric Potential Numbering)

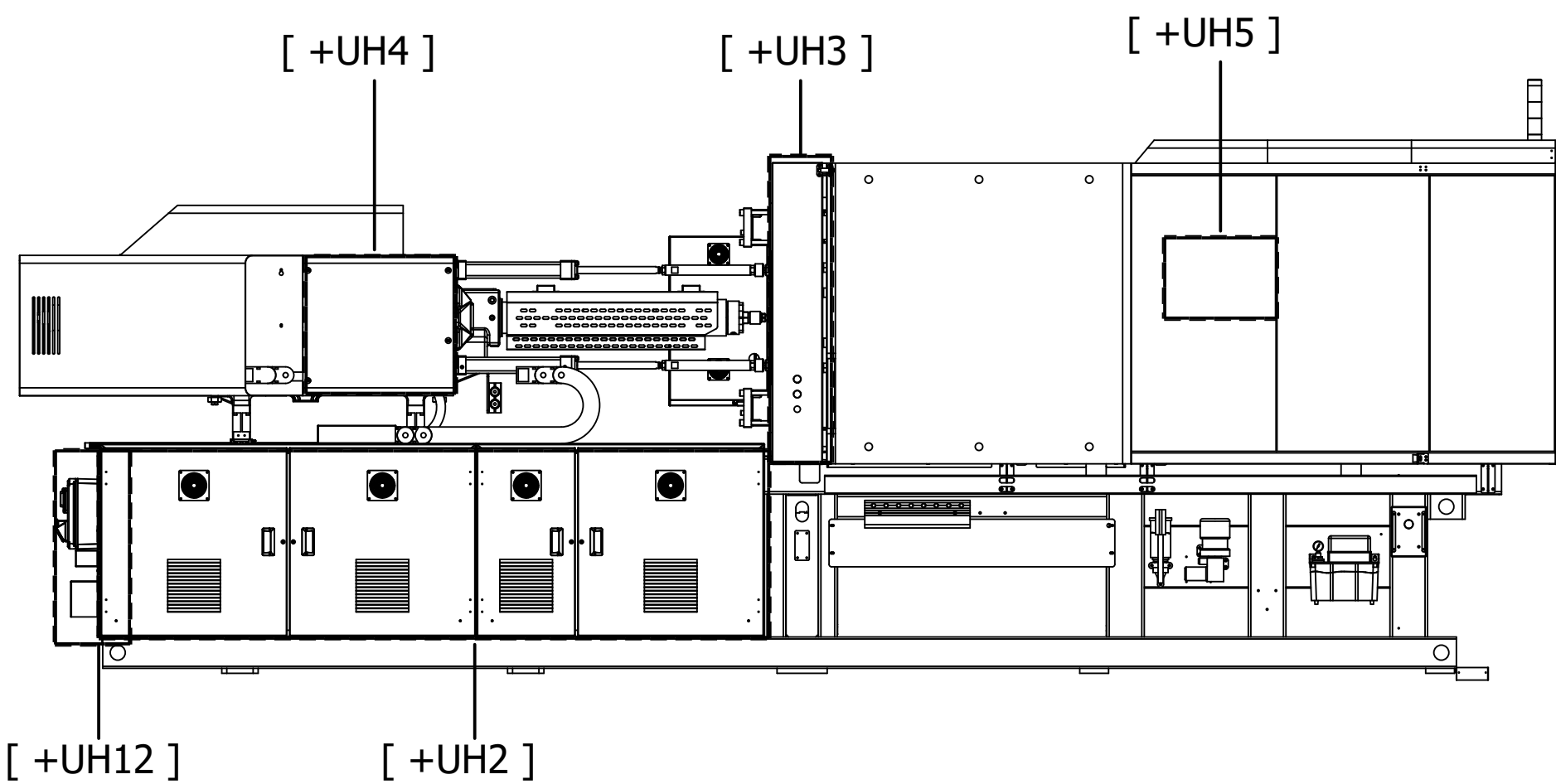
DC 파워서플라이(DC Power Supply)				단상 전원 라인 넘버링(Single phase)			
메인1(Main1)	P1	N1		단상 전원부 2차측 (Single Power)	RN1	TN1	
메인2(Main 2)	P2	N2		파워서플라이 전원 (Power supply)	RN2	TN2	
메인3(Main 3)	P3	N3		추가분(Single Power Additional)	RN+	TN+	
LCD 파워(LCD Power)	P4	N4					
센서 파워(Sensor Power)	P5	N5					
팬 파워(Fan Power)	P6	N6					
사출게이트(InJection Gate)	P7	N7					
DC파워서플라이(DC Power Supply)	Px+	Nx+		팬조작 마그네트(FAN operation magnet)	RN9	TN9	
삼상 전원 (기본) (Three-phase Standard)							
삼상메인전원(Three phase MainPower)	R	S	T				
메인차단기 2차(Main break)	R1	S1	T1	삼상 전원(옵션) (Three-phase Option)			
모터마그넷 2차(Motor magnet)	R1x	S1x	T1x	전동코어(Electric core)	R90	S90	T90
히터(Heater)	R2x	S2x	T2x	하트 러너 (Heat Runner)	R91	S91	T91
3상5구 (Three Phase)	R3x	S3x	T3x	유압 유닛(Hydraulic unit)	R92	S92	T92
형조정 (Mold Adjustment)	R4x	S4x	T4x	접지 (grounding)			
순환펌프(Cooling cycle pump)	R5x	S5x	R5x	Motor	PE:Mx	x = 모터넘버링(Motor Number)	
모터 팬(Motor FAN)	R6x	S6x	T6x	제어부 및 접지 단자대(Grounding Terminal block)			
단상(Single-Phase)	R7x	S7x	T7x	기존 2행 넘버링(Same as the existing two-row numbering)			

Overview Terminal Boxes

[Front Side]



[Rear Side]



Code	Description
+UH0	Power Cabinet
+UH1	Control Cabinet
+UH2	Servo Drive Cabinet
+UH3	Rear Side Cabinet
+UH4	Heater Cabinet
+UH5	Ejector Cabinet
+UH6	Front Side Cabinet
+UH7	Mold Block
+UH10	Moniter Cabinet
+UH12	Nozzle Unit
+UH16	Sockets Cabinet

본 도면은 ㈜우진플라임의 유·무형적 자산으로, 허가된 자에 한하여 열람이 가능하며, 허가 없이 복제 및 임의적 변경 등의 사용 및 배포를 일체 금합니다. 본 사항 위반의 경우 민, 형사상의 책임이 발생할 수 있습니다.

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Overview Terminal Boxes	
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)	REV.NO. 4.02

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Device tag list

Device tag	Function text
=STD+UH1-A115	DO9332 (Digital output card) DO9332 (디지털 출력 카드)
=STD+UH1-A117	DO8332 (Digital output card) DO8332 (디지털 출력 카드)
=STD+UH1-A118	AI4632 (Analog input card) AI4632 (아날로그 입력 카드)
=STD+UH1-A119	DI9371 (Digital input card) DI9371 (디지털 입력 카드)
=STD+UH1-A120	DO8332 (Digital output card) DO8332 (디지털 출력 카드)
=STD+UH1-FC001	Main Circuit Breaker Operation Power 조작전원 메인차단기
=STD+UH1-FC002	Circuit Breaker Operation Power 조작전원 차단기
=STD+UH1-FC010	Power/Control Cabinet Door Fan Circuit breaker 전원부, 제어부 도어 Fan 차단기
=STD+UH1-FC030	Drive Cabinet Door Fan Circuit breaker 드라이브박스 도어 팬 차단기
=STD+UH1-FC060	Ext. Nozzle Circuit Breaker 장노즐 차단기
=STD+UH1-FC061	Nozzle Circuit Breaker 노즐 차단기
=STD+UH1-FC062	Heater 1 Circuit Breaker 히터1 차단기
=STD+UH1-FC063	Heater 2 Circuit Breaker 히터2 차단기
=STD+UH1-FC064	Heater 3 Circuit Breaker 히터3 차단기
=STD+UH1-FC065	Heater 4 Circuit Breaker 히터4 차단기

Device tag	Function text
=STD+UH1-FC201	Main Power Supply Circuit breaker 메인 파워서플라이 차단기
=STD+UH1-FC203	Motor Cooling Fan Power Supply Circuit breaker 모터 냉각팬 파워서플라이 차단기
=STD+UH1-FC204	Monitor Power Supply Circuit breaker 모니터 파워서플라이 차단기
=STD+UH1-FC210	Drive Power Supply Circuit breaker 드라이브 파워서플라이 차단기
=STD+UH1-G11	Control Box Ground Terminal Block G11 제어부 접지 단자대 G11
=STD+UH1-G12	Control Box Ground Terminal Block G12 제어부 접지 단자대 G12
=STD+UH1-GQ001	Door Fan 1 Control Cabinet 제어부 도어 팬 1
=STD+UH1-GQ002	Door Fan 2 Control Cabinet 제어부 도어 팬 2
=STD+UH1-K008	Relay Mold adjust / Nozzle 형조정/노즐 릴레이
=STD+UH1-K028	Relay Inverter ON 인버터 가동 릴레이
=STD+UH1-K041	Relay 1 Motor Cooling Fan 모터 팬 릴레이 1
=STD+UH1-K042	Relay 2 Motor Cooling Fan 모터 팬 릴레이 2
=STD+UH1-K072	Relay Safety PLC Reset 안전PLC 리셋 릴레이
=STD+UH1-K081	Relay Injection Gate 사출게이트 릴레이
=STD+UH1-K091	Relay Heater Power 히터 전원 릴레이

Device tag list

Device tag	Function text
=STD+UH1-K112	Relay Valve Hopper cooling 호퍼 냉각수 차단 밸브 릴레이
=STD+UH1-K134	Relay Lubrication Oil 급유기 릴레이
=STD+UH1-K135	Relay Auto Grease Pump 자동구리스 펌프 릴레이
=STD+UH1-K152	Relay Tie bar Sensor Reset 타이바센서 리셋 릴레이
=STD+UH1-K153	Relay Pressure sensor auto reset 압력센서 자동영점조정 릴레이
=STD+UH1-K301	Safety Relay Safety Dveice 1 안전장치 1 릴레이
=STD+UH1-K302	Safety Relay Safety Dveice 2 안전장치 2 릴레이
=STD+UH1-KF001	Ext. Nozzle SSR Contact 장노즐 SSR
=STD+UH1-KF002	Nozzle SSR Contact 노즐 SSR
=STD+UH1-KF003	Heater 1 SSR Contact 히터 1 SSR
=STD+UH1-KF004	Heater 2 SSR Contact 히터 2 SSR
=STD+UH1-KF005	Heater 3 SSR Contact 히터 3 SSR
=STD+UH1-KF006	Heater 4 SSR Contact 히터 4 SSR
=STD+UH1-N1	Control Box Terminal Block N1 제어부 단자대 N1
=STD+UH1-N4	Control Box Terminal Block N4 제어부 단자대 N4

Device tag	Function text
=STD+UH1-N6	Control Box Terminal Block N6 제어부 단자대 N6
=STD+UH1-N8	Control Box Terminal Block N8 제어부 단자대 N8
=STD+UH1-P1	Control Box Terminal Block P1 전원부 단자대 P1
=STD+UH1-P4	Control Box Terminal Block P4 제어부 단자대 P4
=STD+UH1-P6	Control Box Terminal Block P6 제어부 단자대 P6
=STD+UH1-P8	Control Box Terminal Block P8 제어부 단자대 P8
=STD+UH1-RF007	Noise Filter 노이즈필터
=STD+UH1-RN1	Control Box Terminal Block RN1 제어부 단자대 RN1
=STD+UH1-RN2	Control Box Terminal Block RN2 제어부 단자대 RN2
=STD+UH1-SP	Control Cabinet Spare 제어부 예비
=STD+UH1-T01	Control Box Terminal Block T01 제어부 단자대 T01
=STD+UH1-T001	Power Supply Main 메인 파워서플라이
=STD+UH1-T02	Control Box Terminal Block T02 제어부 단자대 T02
=STD+UH1-T03	Control Box Terminal Block T03 제어부 단자대 T03
=STD+UH1-T04	Control Box Terminal Block T04 제어부 단자대 T04

Device tag list

Device tag	Function text
=STD+UH1-T004	Power Supply Monitor 모니터 파워서플라이
=STD+UH1-T006	Power Supply Motor Cooling Fan 모터 냉각팬 파워서플라이
=STD+UH1-T009	Power Supply Drive 드라이브 파워서플라이
=STD+UH1-T102	Operation Transformer 조작전원 트랜스
=STD+UH1-TN1	Control Box Terminal Block TN1 제어부 단자대 TN1
=STD+UH1-TN2	Control Box Terminal Block TN2 제어부 단자대 TN2
=STD+UH1-XD021	AC 사출게이트 AC Injection Gate
=STD+UH1-XD022	Injection Gate 24VDC 사출 게이트 24VDC
=STD+UH1-XJ11	Control Box Terminal block XJ11 제어부 단자대 XJ11
=STD+UH1-XJ12	Control Box Terminal block XJ12 제어부 단자대 XJ12
=STD+UH1-XJ14	Control Box Terminal block XJ14 제어부 단자대 XJ14
=STD+UH1-XJ17	Control Box Terminal block XJ17 제어부 단자대 XJ17
=STD+UH2-AB001	Servo Drive Power Unit 파워 유닛
=STD+UH2-AB002	Servo Drive Injection & Charge 사출, 계량 드라이브
=STD+UH2-AB003	Servo Drive Mold & Ejector 형체, 에젝터 드라이브

Device tag	Function text
=STD+UH2-GQ021	Door Fan 1 Drive Cabinet 드라이브박스 도어 팬 1
=STD+UH2-GQ022	Door Fan 2 Drive Cabinet 드라이브박스 도어 팬 2
=STD+UH2-GQ023	Door Fan 3 Drive Cabinet 드라이브박스 도어 팬 3
=STD+UH2-GQ024	Door Fan 4 Drive Cabinet 드라이브박스 도어 팬 4
=STD+UH2-GQ025	Door Fan 5 Drive Cabinet 드라이브박스 도어 팬 5
=STD+UH2-GQ026	Door Fan 6 Drive Cabinet 드라이브박스 도어 팬 6
=STD+UH2-GQ027	Door Fan 7 Drive Cabinet 드라이브박스 도어 팬 7
=STD+UH2-GQ028	Door Fan 8 Drive Cabinet 드라이브박스 도어 팬 8
=STD+UH2-GQ029	Door Fan 9 Drive Cabinet 드라이브박스 도어 팬 9
=STD+UH2-GQ030	Door Fan 10 Drive Cabinet 드라이브박스 도어 팬 10
=STD+UH2-R001	Braking Resistor 1 회생저항 1
=STD+UH2-RF001	Noise Filter Injection Motor 1 사출모터 1 노이즈 필터
=STD+UH2-SP	Drive Cabinet Spare 드라이브박스 예비
=STD+UH3-GT011	Grease level Low 그리스 레벨스위치
=STD+UH3-QM101	Vavle Air Ejector 1 에어에젝터 1 밸브

Device tag list

Device tag	Function text
=STD+UH3-QM157	Vavle Hopper cooling 호퍼냉각수 차단 밸브
=STD+UH3-SF002	Emergency Switch Rear Side 반조작측 비상정지 스위치
=STD+UH3-SF021	Rear Side Safety door A 반조작측 안전문 A
=STD+UH3-SF022	Rear Side Safety door B 반조작측 안전문 B
=STD+UH3-SP	Rear Side Spare 반조작측 예비
=STD+UH3-XD021	Injection Gate 220VAC 사출 게이트 220VAC
=STD+UH3-XD022	Injection Gate 24VDC 사출 게이트 24VDC
=STD+UH4-BG028	Nozzle backward end 노즐 후진완료
=STD+UH4-BG050	Grease Pressure 구리스 압력
=STD+UH4-BT001	Temp Sensor Ext. Nozzle 장노즐 온도센서
=STD+UH4-BT002	Temp Sensor Nozzle 노즐 온도센서
=STD+UH4-BT003	Temp Sensor Heater zone 1 히터1 온도센서
=STD+UH4-BT004	Temp Sensor Heater zone 2 히터2 온도센서
=STD+UH4-BT005	Temp Sensor Heater zone 3 히터3 온도센서
=STD+UH4-BT006	Temp Sensor Heater zone 4 히터4 온도센서

Device tag	Function text
=STD+UH4-BT008	Temp Sensor Hopper 호퍼입구 온도센서
=STD+UH4-BW001	Sensor Load Cell 로드셀 센서
=STD+UH4-EB001	Ext. Nozzle Heater 장노즐 히터
=STD+UH4-EB002	Nozzle Heater 노즐 히터
=STD+UH4-EB011	Heater1 히터1
=STD+UH4-EB021	Heater2 히터2
=STD+UH4-EB022	Heater2 히터 2
=STD+UH4-EB031	Heater3 히터3
=STD+UH4-EB032	Heater3 히터 3
=STD+UH4-EB041	Heater4 히터4
=STD+UH4-EB042	Heater4 히터 4
=STD+UH4-G	Heater Box Ground 히터박스 접지
=STD+UH4-GQ041	Fan InJection 1 사출 1 팬
=STD+UH4-GQ042	Fan Charge 계량 팬
=STD+UH4-MA001	Servo Motor Injection 1 사출 1 서보 모터

Device tag list

Device tag	Function text
=STD+UH4-MA002	Servo Motor Charge 계량 서보 모터
=STD+UH4-XJ41	Heater Box Terminal Block XJ41 히터박스 단자대 XJ41
=STD+UH4-XJ42	Heater Box Terminal Block XJ42 히터박스 단자대 XJ42
=STD+UH5-G5	Ejector Box N1 에젝터박스 N1
=STD+UH5-MA004	Servo Motor Ejector 에젝터 서보 모터
=STD+UH5-N1	Ejector Box N1 에젝터박스 N1
=STD+UH5-P1	Ejector Box P1 에젝터박스 P1
=STD+UH5-QM102	Vavle Air Ejector 2 에어에젝터 2 밸브
=STD+UH5-SP	Ejector Box Spare 에젝터박스 예비
=STD+UH5-XJ51	Ejector Box Terminal Block XJ51 에젝터박스 단자대 XJ51
=STD+UH6-PJ001	Buzzer 부저
=STD+UH6-SF001	Emergency Switch Front Side 조작측 비상정지 스위치
=STD+UH6-SF011	Front side Safety door A 조작측 안전문 A
=STD+UH6-SF013	Front side Safety door B 조작측 안전문 B
=STD+UH6-SF041	Limit Switch Purge Cover 퍼지커버 리미트스위치

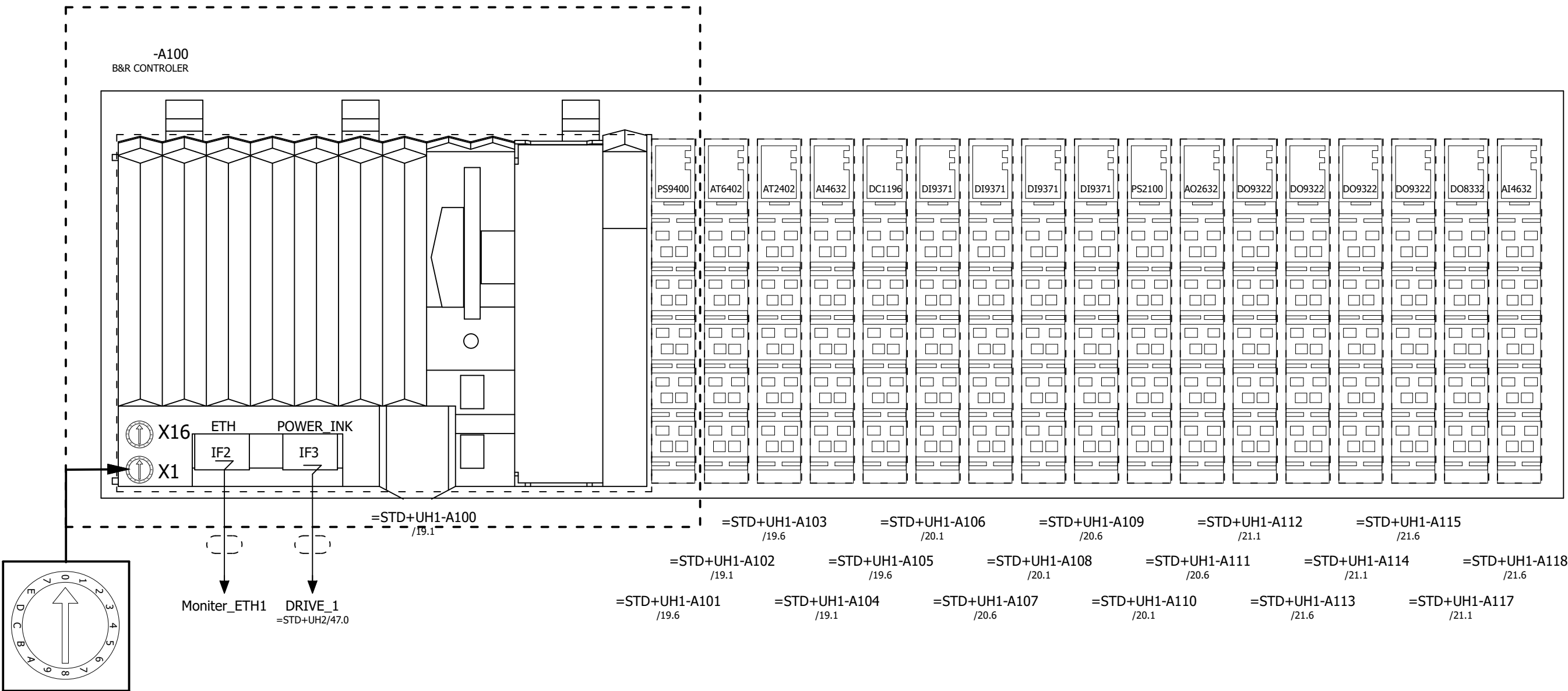
Device tag	Function text
=STD+UH6-SP	Front Side Spare 조작측 예비
=STD+UH7-BR001	Mold Thickness Position Detect 금형 두께 위치 검지
=STD+UH7-GQ043	Fan Mold 1 형체 1 팬
=STD+UH7-MA003	Servo Motor Mold 1 형체 1 서보 모터
=STD+UH7-MA008	Motor Mold height 형조정 모터
=STD+UH7-MB001	Mold height Motor brake 형 조정 모터 브레이크
=STD+UH7-PF001	LED Signal tower LED 경광등
=STD+UH7-RF021	AMP Filter Sensor Mold Force Measuring 형체력 측정센서 앰프
=STD+UH10-A001	Monitor Box Ground 모니터 박스 접지
=STD+UH10-GQ051	Monitor Box Fan 모니터 박스 Fan
=STD+UH10-XD080	Monitor Power 모니터전원
=STD+UH11-BG003	Mold adjust forward end 형조정 전진 완료
=STD+UH11-BG004	Mold adjust backforward end 형조정 후진 완료
=STD+UH11-MB001	Mold height Motor brake 형 조정 모터 브레이크
=STD+UH12-BP002	Pressure Sensor Nozzle 노즐 압력센서

Device tag list

Device tag	Function text
=STD+UH12-MA011	Nozzle Pump 노즐펌프
=STD+UH12-QM154	Valve Nozzle Forward 노즐 전진밸브
=STD+UH12-QM157	Vavle Hopper cooling 호퍼냉각수 차단 밸브
=STD+UH16-Q031	Auxiliary Unit 1 외부콘센트1 차단기
=STD+UH16-Q032	Auxiliary Unit 2 외부콘센트2 차단기
=STD+UH16-X050	3상 콘센트 단자대 3Phase Soket Terminal
=STD+UH16-XD001	3-Phase concent 1 3상 콘센트 1
=STD+UH16-XD002	3-Phase concent 2 3상 콘센트 2

Device tag	Function text

- * IMC400 : BC0083, PS9400 사용
- * IMC501 : CP1686X 사용, PS9400 미사용



	-A100	-A101	-A102	-A103	-A104	-A105	-A106	-A107	-A108	-A109	-A110	-A111	-A112	-A113	-A114	-A115	-A117	-A118
A	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12	TB12
B	X20 CP1686X	X20 BC0083	X20 PS9400	X20 AT6402	X20 AT2402	X20 DC1196	X20 DI9371	X20 DI9371	X20 DI9371	X20 DI9371	X20 PS2100	X20 AO2632	X20 DO9322	X20 DO9322	X20 DO9322	X20 DO9322	X20 DO8332	X20 AI4632
C	X20 BM01	X20 BM01	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11	X20 BM11

* IMC400 : BC0083, PS9400 사용
* IMC501 : CP1686X 사용, PS9400 미사용

=STD+UH1-A100
/18.0
X20CP1686X

=STD+UH1-A101
/18.3
X20PS9400

=STD+UH1-A102
/18.3
X20AT6402

=STD+UH1-A103
/18.4
X20AT2402

=STD+UH1-A104
/18.4
X20AI4632

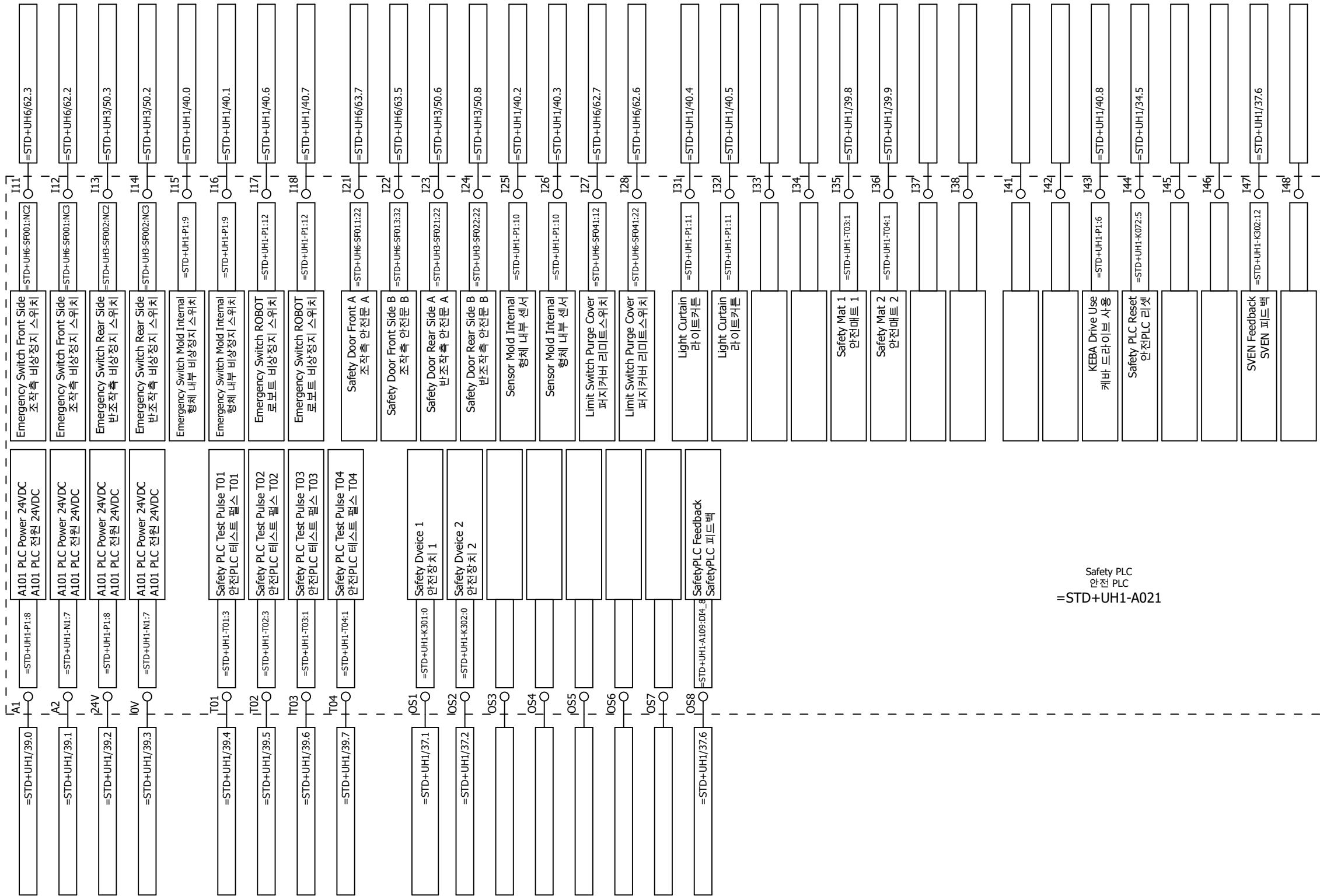
=STD+UH1-A105
/18.4
X20DC1196

=STD+UH1-A106 /18.4 X20DI9371												=STD+UH1-A107 /18.5 X20DI9371											
=OPT+O5-XD1:1 =STD+UH3/51.3		11	DI1_1	Interlock Core1 FWD END 코어1 전진완료 인터록	Interlock Core1 BWD END 코어1 후진완료 인터록	DI1_2	21	=OPT+O5-XD2:1 =STD+UH3/51.4				11	DI2_1			DI2_2	21						
=OPT+O5-XD3:1 =STD+UH5/59.1		12	DI1_3	Interlock Core2 FWD END 코어2 전진완료 인터록	Interlock Core2 BWD END 코어2 후진완료 인터록	DI1_4	22	=OPT+O5-XD4:1 =STD+UH5/59.2		=STD+UH6-SF001:NC1 =STD+UH6/62.4		12	DI2_3	Emergency Switch Front Side 조작측 비상정지 스위치	Safety Door Front A 조작측 안전문 A	DI2_4	22	=STD+UH6-SF011:14 =STD+UH6/63.8					
		13	DI1_5		Interlock Ejector BWD END 에젝터 후진완료 인터록	DI1_6	23	=OPT+O5-XD5:1 =STD+UH5/59.3		=STD+UH6-SF013:14 =STD+UH6/63.4		13	DI2_5	Safety Door Front Side B 조작측 안전문 B	Safety Door Rear Side A 반조작측 안전문 A	DI2_6	23	=STD+UH3-SF021:14 =STD+UH3/50.6					
=OPT+O6-XD1:1 =STD+UH5/59.4		14	DI1_7	Interlock Unscrew FWD END 전동코어 전진완료 인터록	Interlock Unscrew BWD END 전동코어 후진완료 인터록	DI1_8	24	=OPT+O6-XD2:1 =STD+UH5/59.5		=STD+UH3-SF022:14 =STD+UH3/50.9		14	DI2_7	Safety Door Rear Side B 반조작측 안전문 B	Emergency Switch Rear Side 반조작측 비상정지 스위치	DI2_8	24	=STD+UH3-SF002:NC1 =STD+UH3/50.4					
=STD+UH6-SF013:22 =STD+UH6/63.6		15	DI1_9	Safety door close end 안전문 잠금확인		DI1_10	25			=STD+UH6-SF041:34 =STD+UH6/62.8		15	DI2_9	Limit Switch Purge Cover 퍼지커버 리미트스위치	Inverter Alarm 인버터 경보	DI2_10	25	=STD+UH0-A011:30A =STD+UH0/30.8					
		16	DI1_11		Grease Low 구리스 부족	DI1_12	26	=STD+UH3-GT011:2 =STD+UH3/53.3		=STD+UH4-BG050:BK =STD+UH4/57.1		16	DI2_11	Metering Grease Pump Stop 정량구리스 펌프 정지신호	Lubrication Oil is Low 급유기 유량 저하	DI2_12	26	=STD+UH3-GT011:RD =STD+UH3/53.5					

=STD+UH1-A108 /18.5 X20DI9371												=STD+UH1-A109 /18.5 X20DI9371											
		11	DI3_1			DI3_2	21					11	DI4_1		Nozzle backward end 노즐 후진완료	DI4_2	21	=STD+UH4-BG028:3 =STD+UH4/57.3					
		12	DI3_3			DI3_4	22					12	DI4_3			DI4_4	22						
		13	DI3_5			DI3_6	23					13	DI4_5			DI4_6	23						
		14	DI3_7			DI3_8	24					14	DI4_7		Safety PLC Feedback 세이프티 PLC 피드백	DI4_8	24	=STD+UH1-A021:OS8 =STD+UH1/37.6					
		15	DI3_9			DI3_10	25					15	DI4_9			DI4_10	25						
		16	DI3_11			DI3_12	26					16	DI4_11			DI4_12	26						

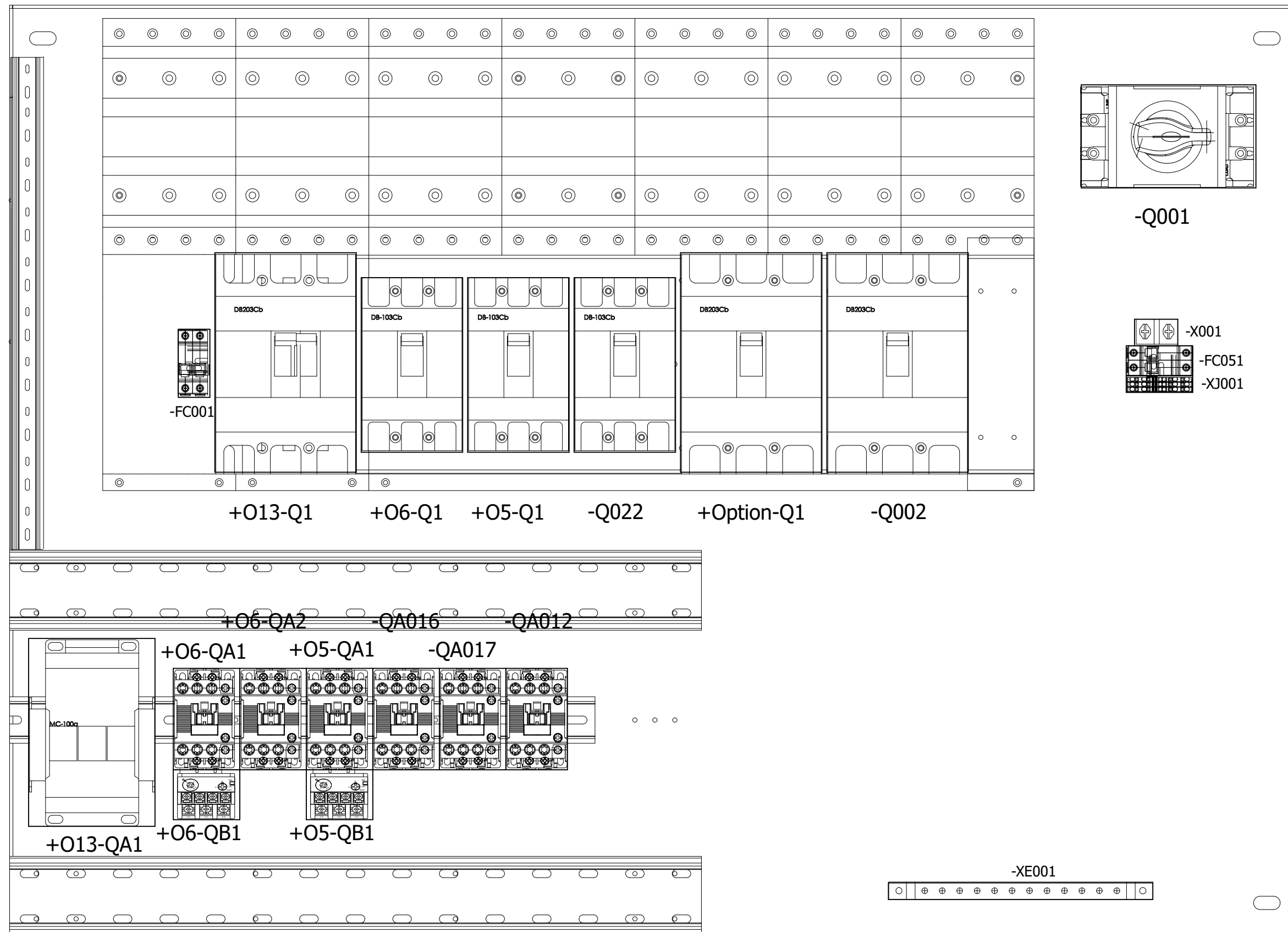
=STD+UH1-A110 /18.6 X20PS2100												=STD+UH1-A111 /18.6 X20AO2632											
		11					21					11					21						
		12					22			=STD+UH0-A011:12 =STD+UH0/30.4		12	AO1_1+	CW Signal Inverter FWD 인버터 전진		AO1_2+	22						
		13					23			=STD+UH0-A011:11 =STD+UH0/30.5		13	AO1_1-	CCW Signal Inverter BWD 인버터 후진		AO1_2-	23						
		14			A110 PLC Power 24VDC A110 PLC 전원 24VDC	P1	24	=STD+UH1-P1:15 =STD+UH1/42.1				14					24						
		15			A110 PLC Power 24VDC A110 PLC 전원 24VDC	P1	25	=STD+UH1-P1:16 =STD+UH1/42.2				15					25						
		16			A110 PLC Power 0VDC A110 PLC 전원 0VDC	N1	26	=STD+UH1-N1:10 =STD+UH1/42.3				16					26						

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			TEA5 Electrical Drawing (TE50A5 ~ TE400A5)	REV.NO. 4.02	Page 21 Page 72



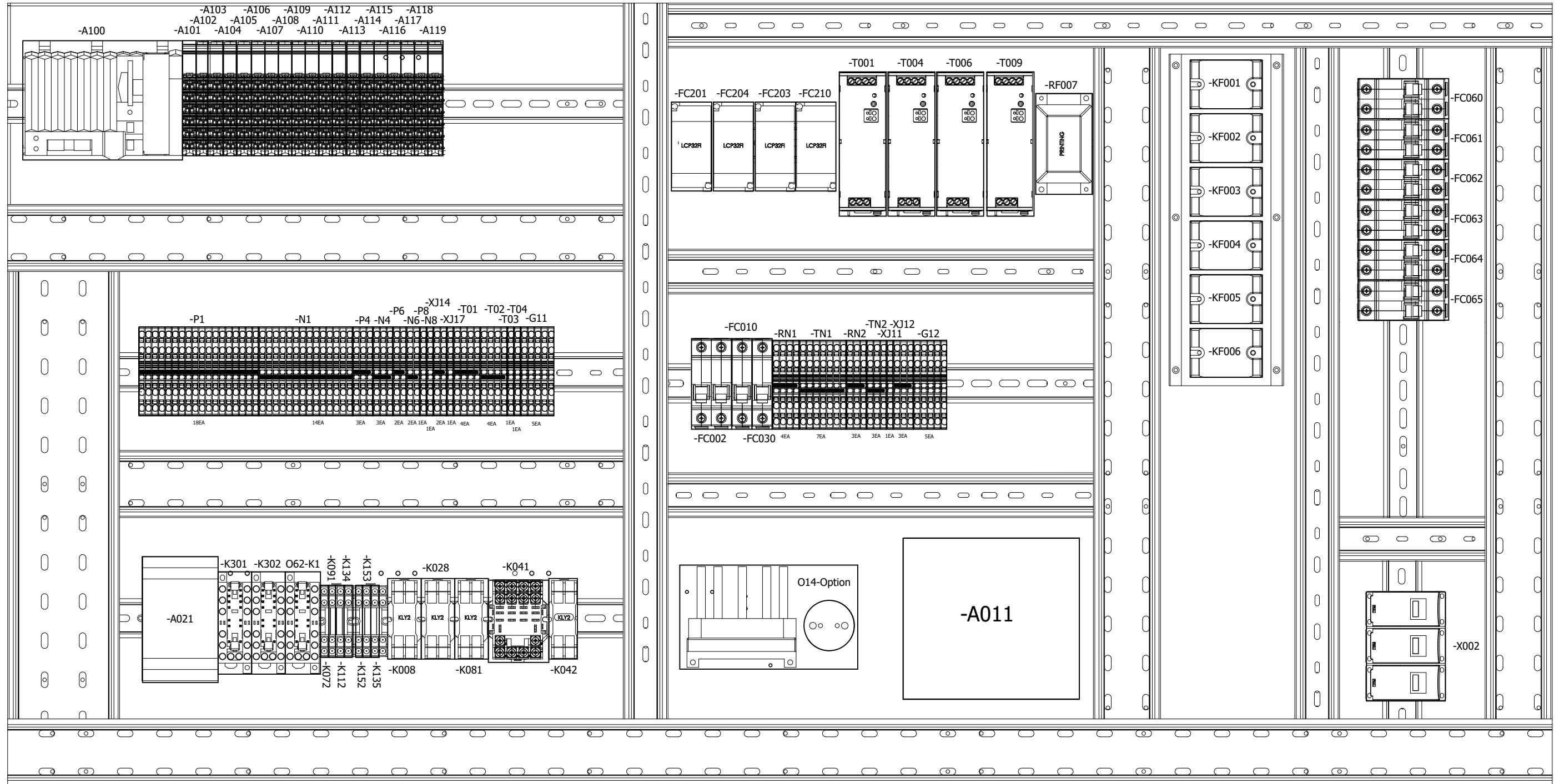
Power Cabinet (+UH0) 전원부

*May differ form actual placement

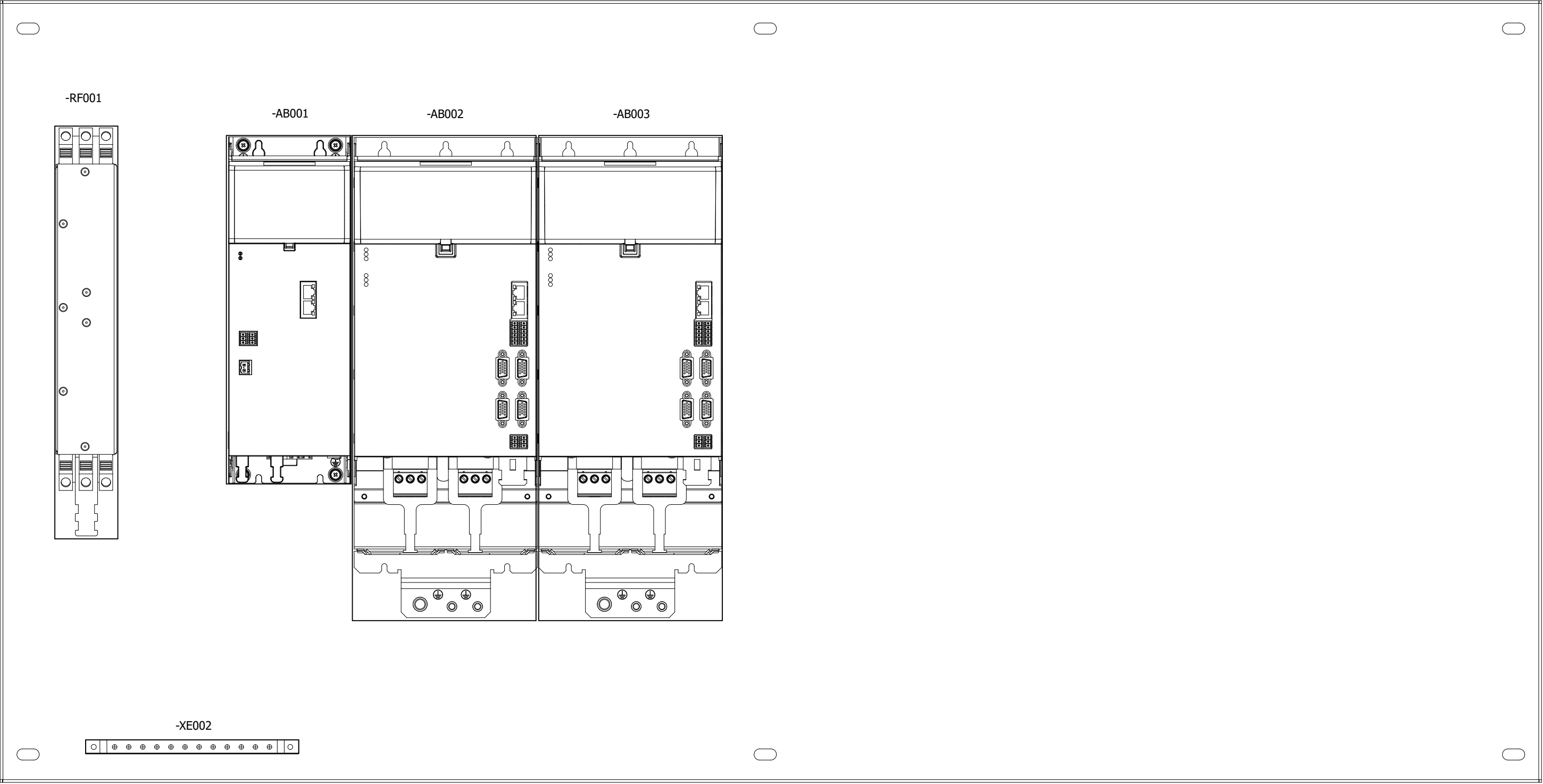


Control Cabinet (+UH1) 제어부

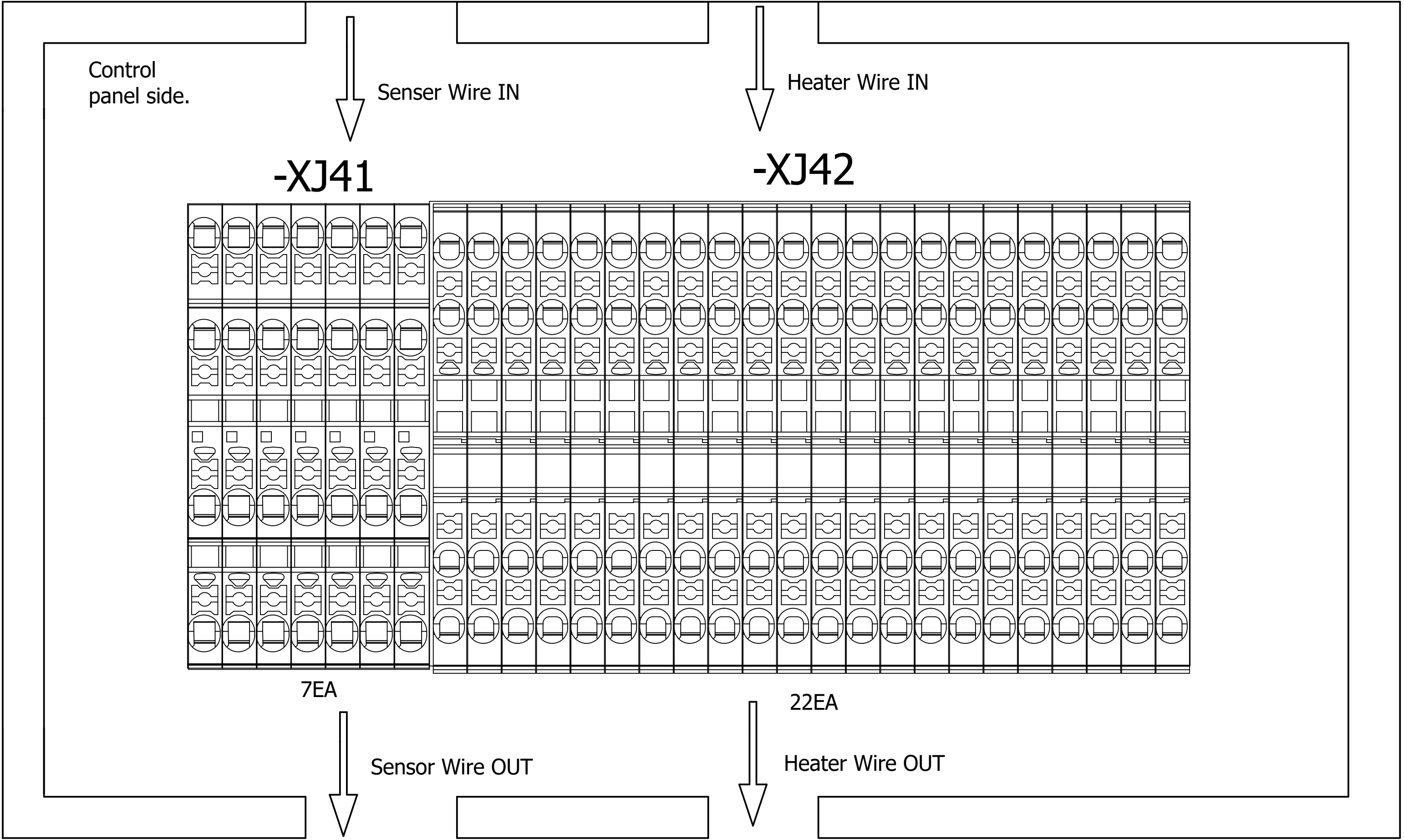
*May differ form actual placement



Servo Drive Cabinet A (+UH2)

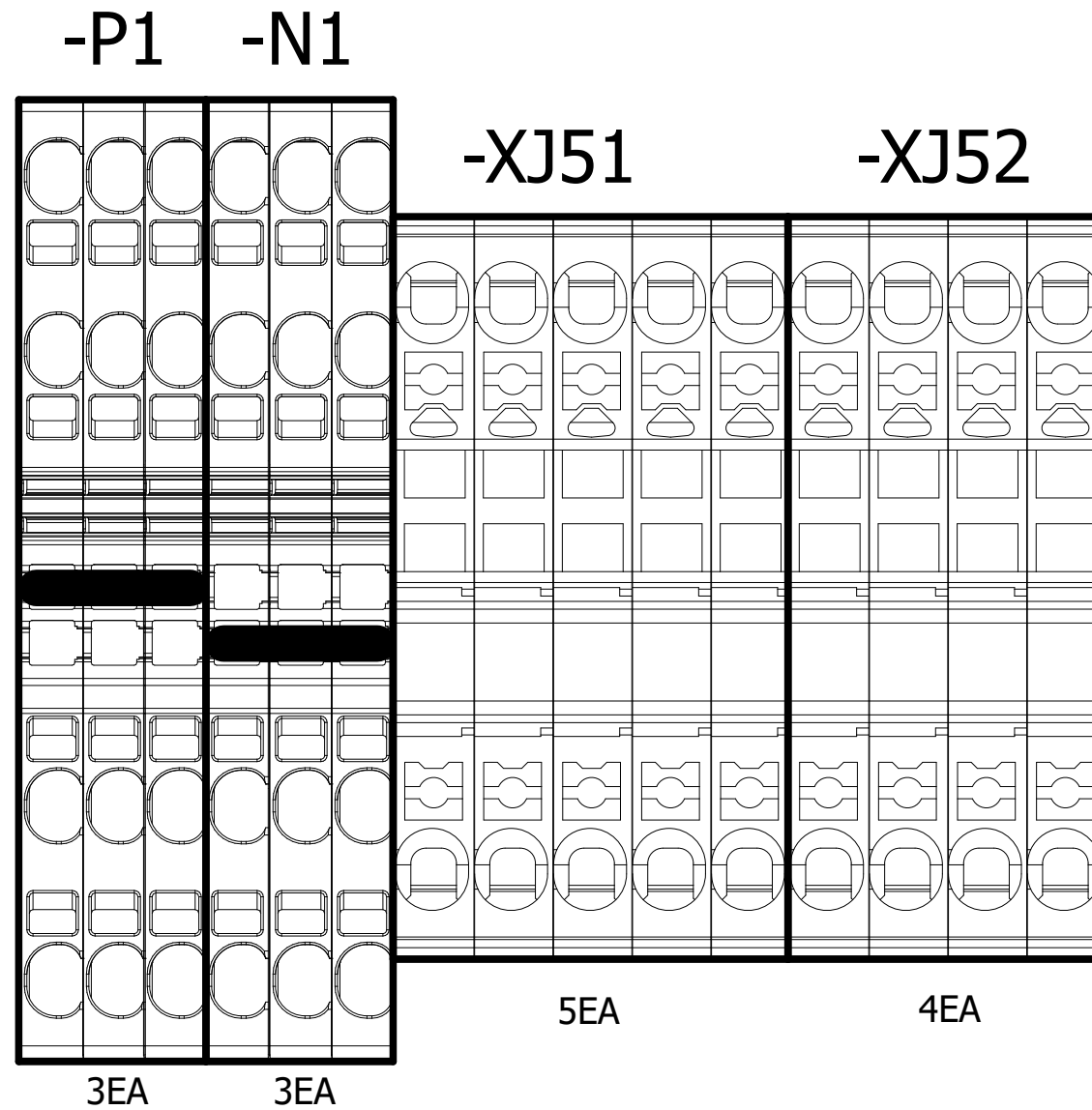


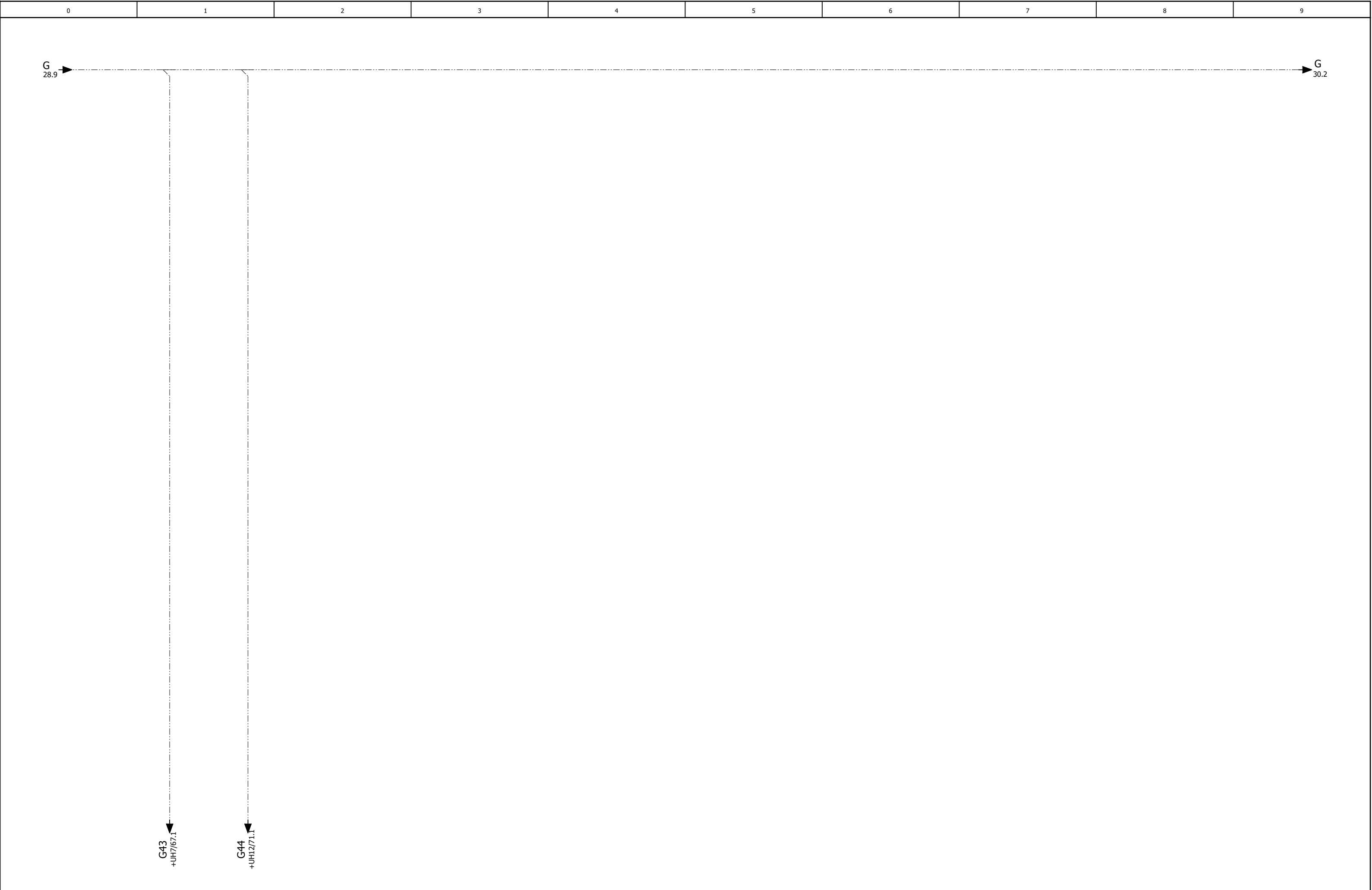
Heater BOX (+UH4) 히터박스



Ejector Cabinet (+UH5) 에젝터박스

*May differ form actual placement





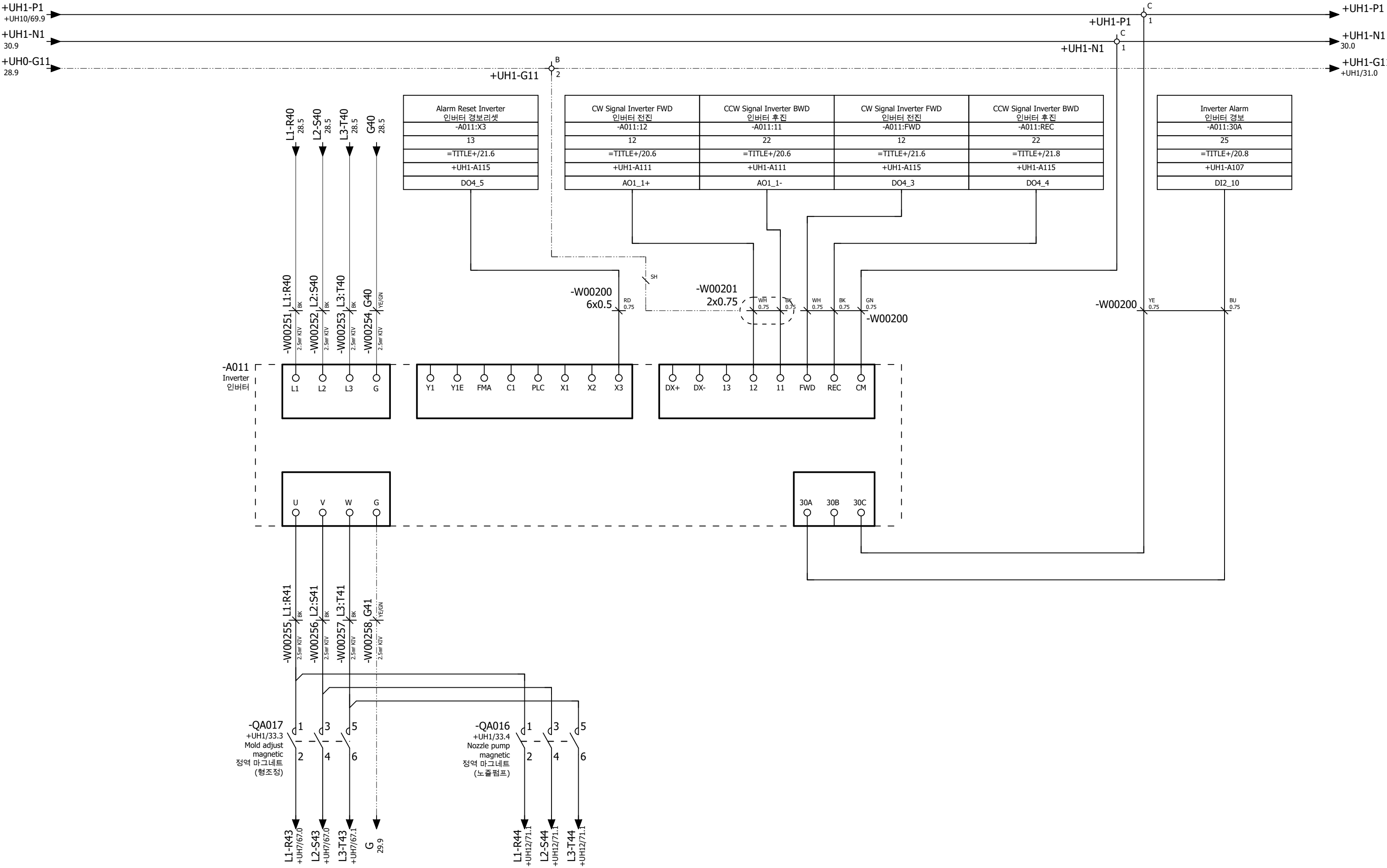
SQ및 부하전류 용량표 참고 Refer to SQ and load current capacity table.

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Circuit Breaker 2		= STD
		+ UH0
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)	REV.NO. 4.02	Page 29
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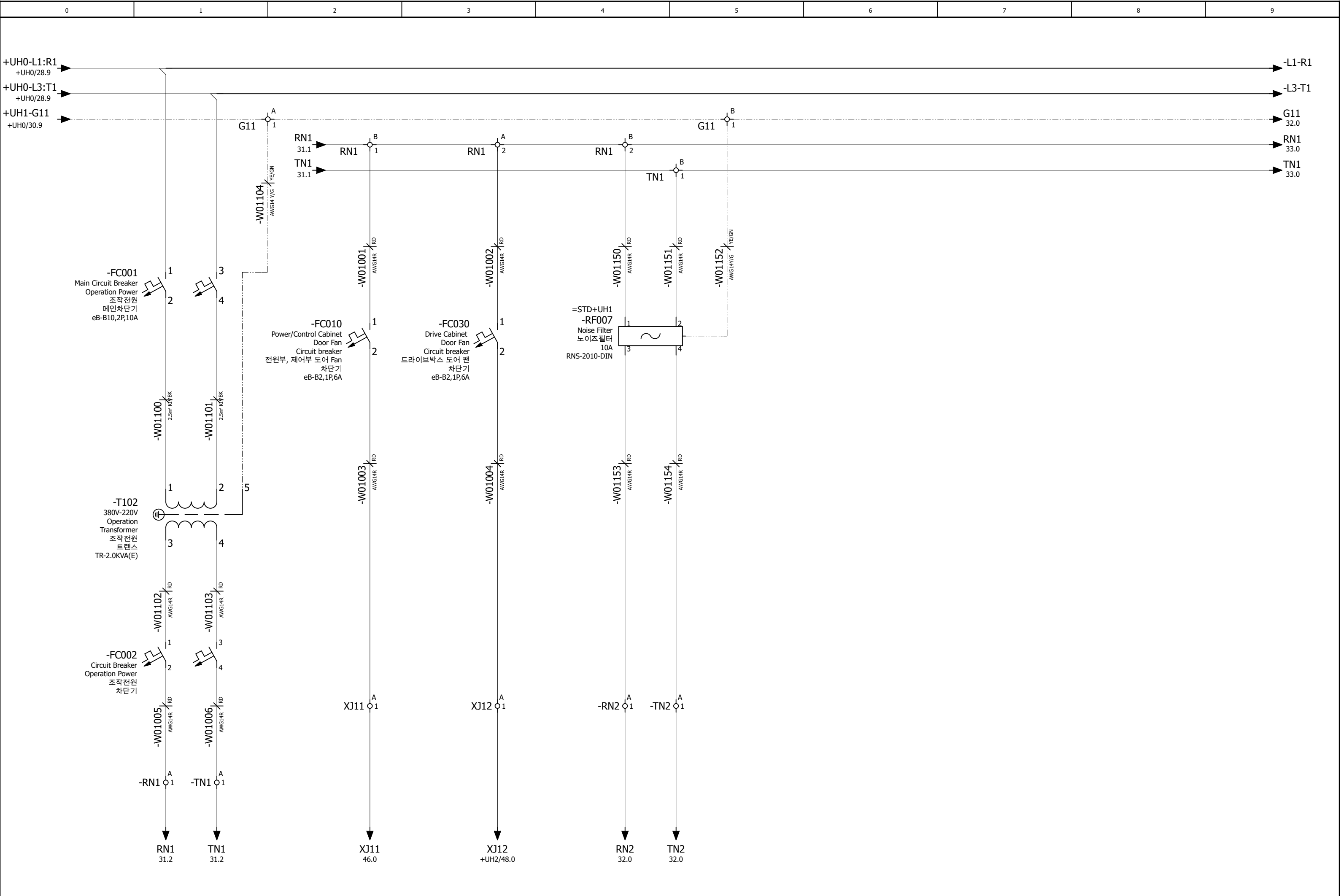


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Inverter Circuit		= STD	
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)		+ UH0	
REV.NO. 4.02		Page	30
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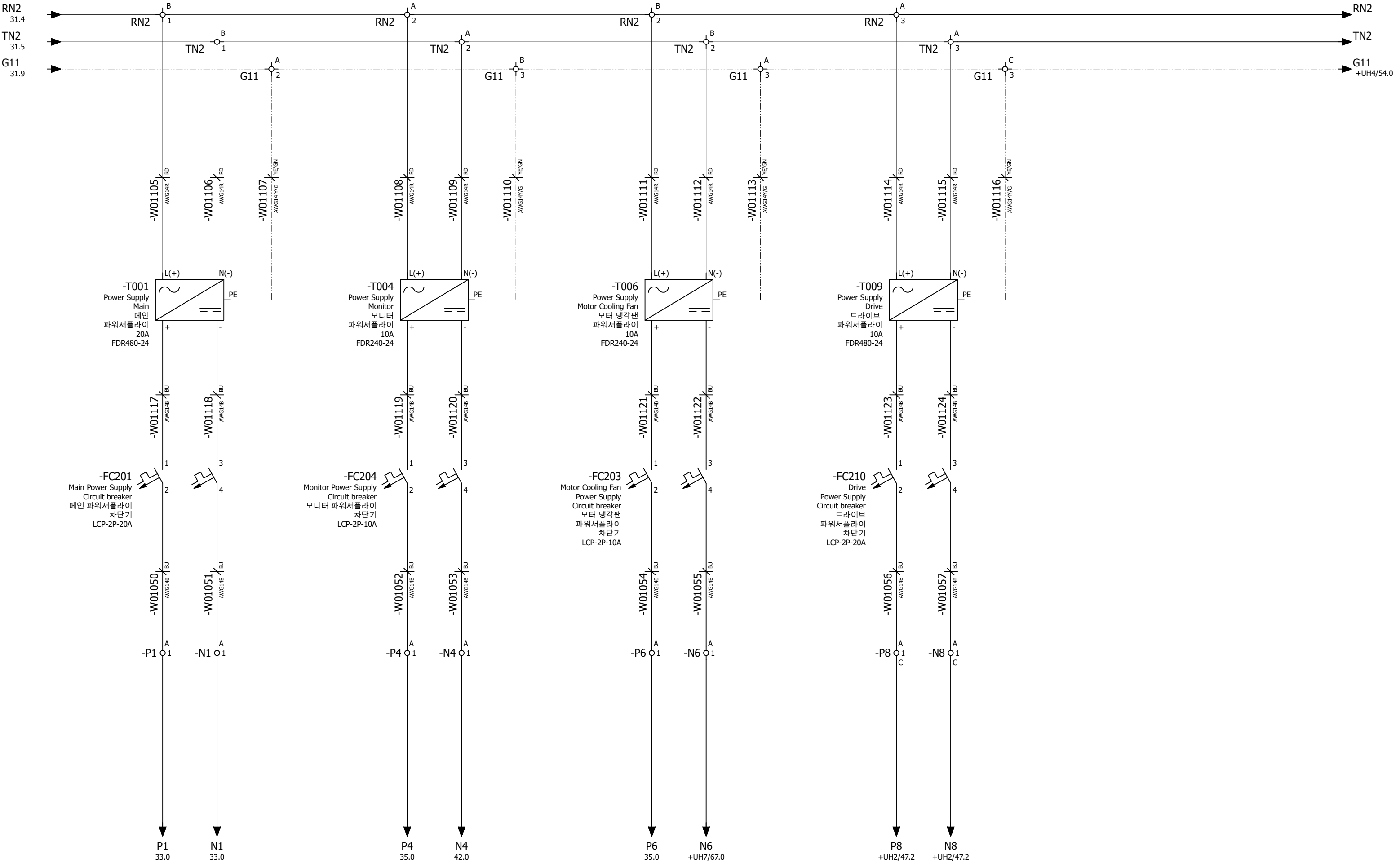


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Control Power & Circuit Breaker		= STD	
		+ UH1	
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)	REV.NO. 4.02	Page	31
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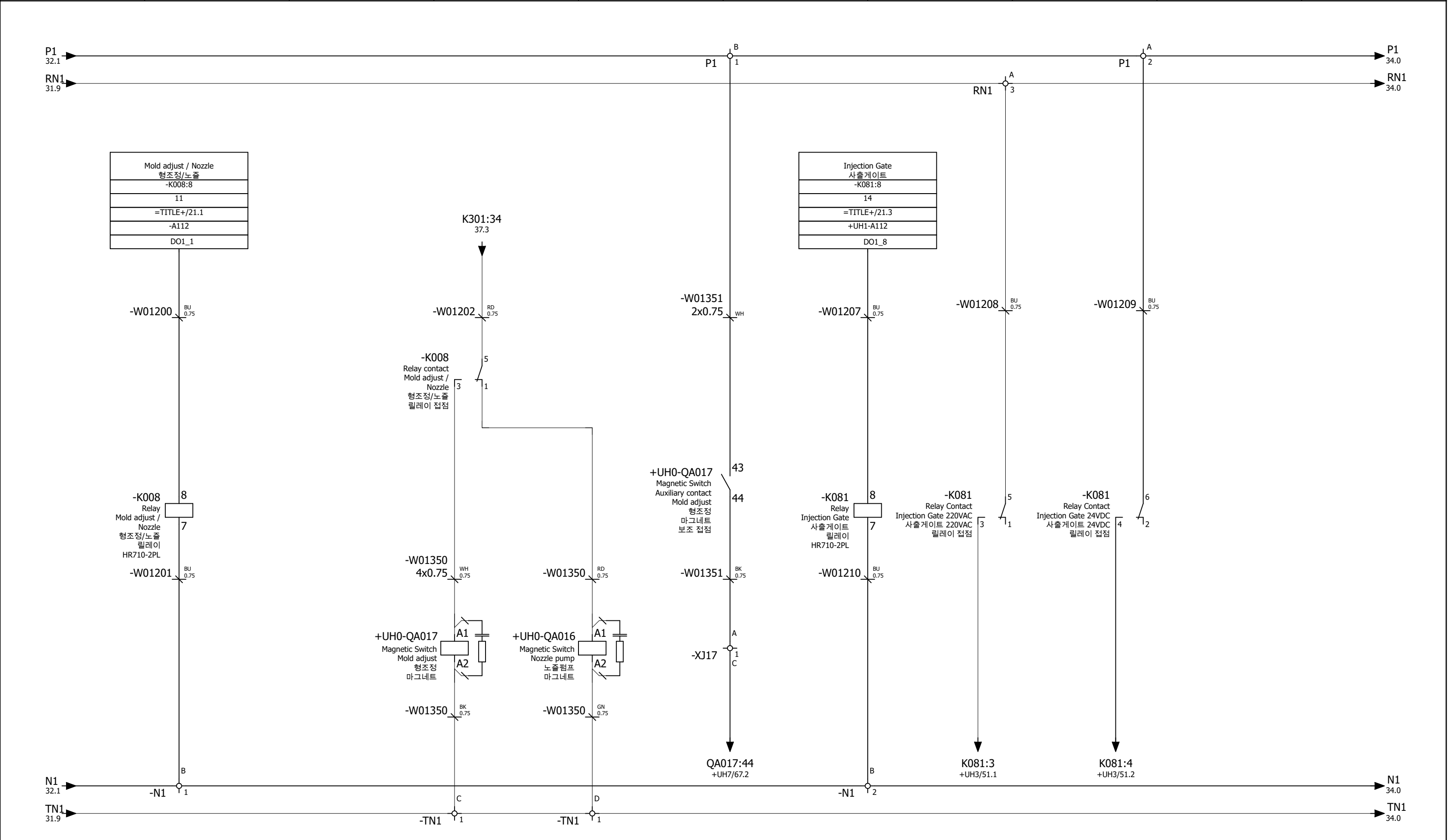


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AC/DC Converter		= STD
		+ UH1
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)	REV.NO. 4.02	Page 32
		Page 72

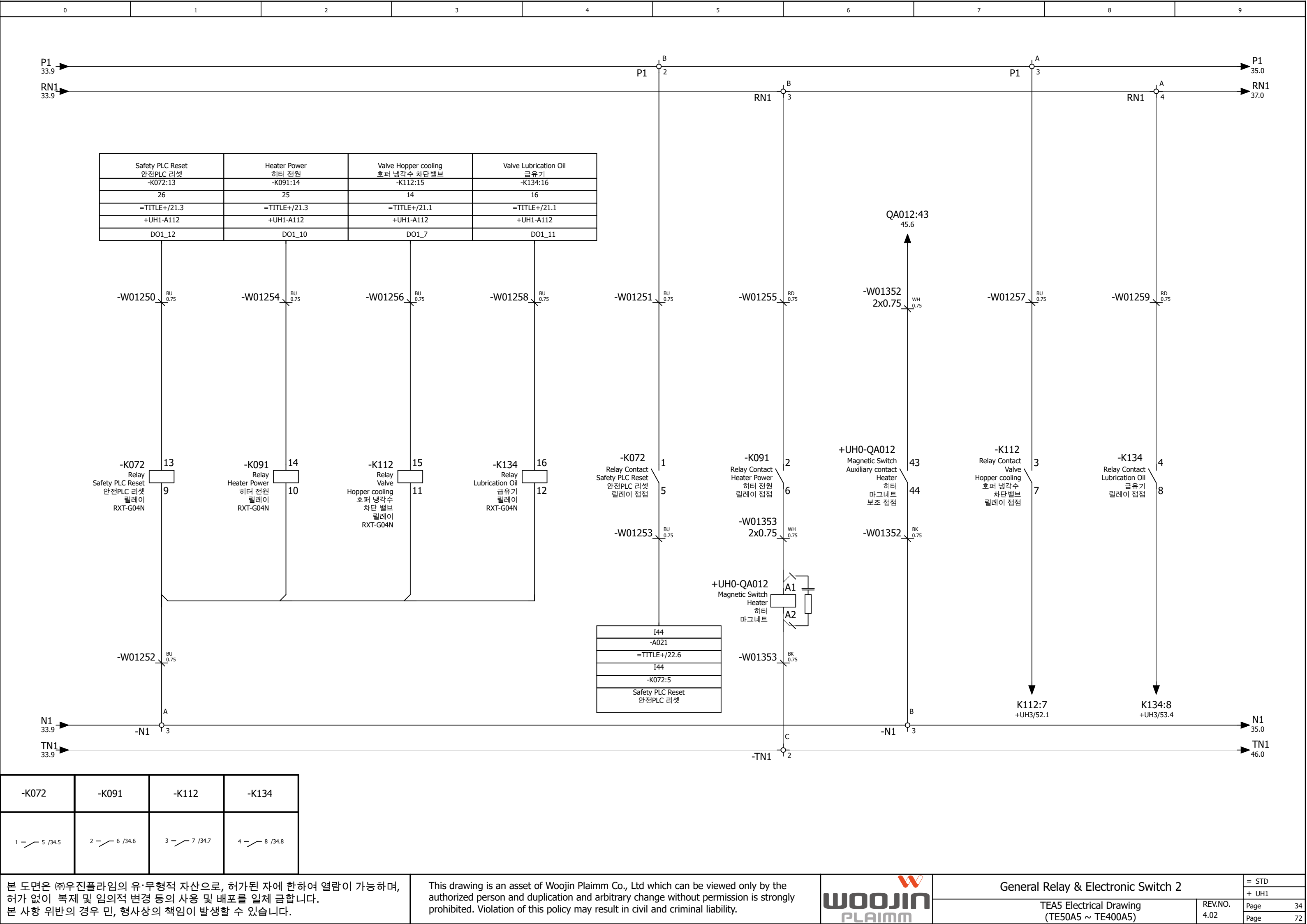


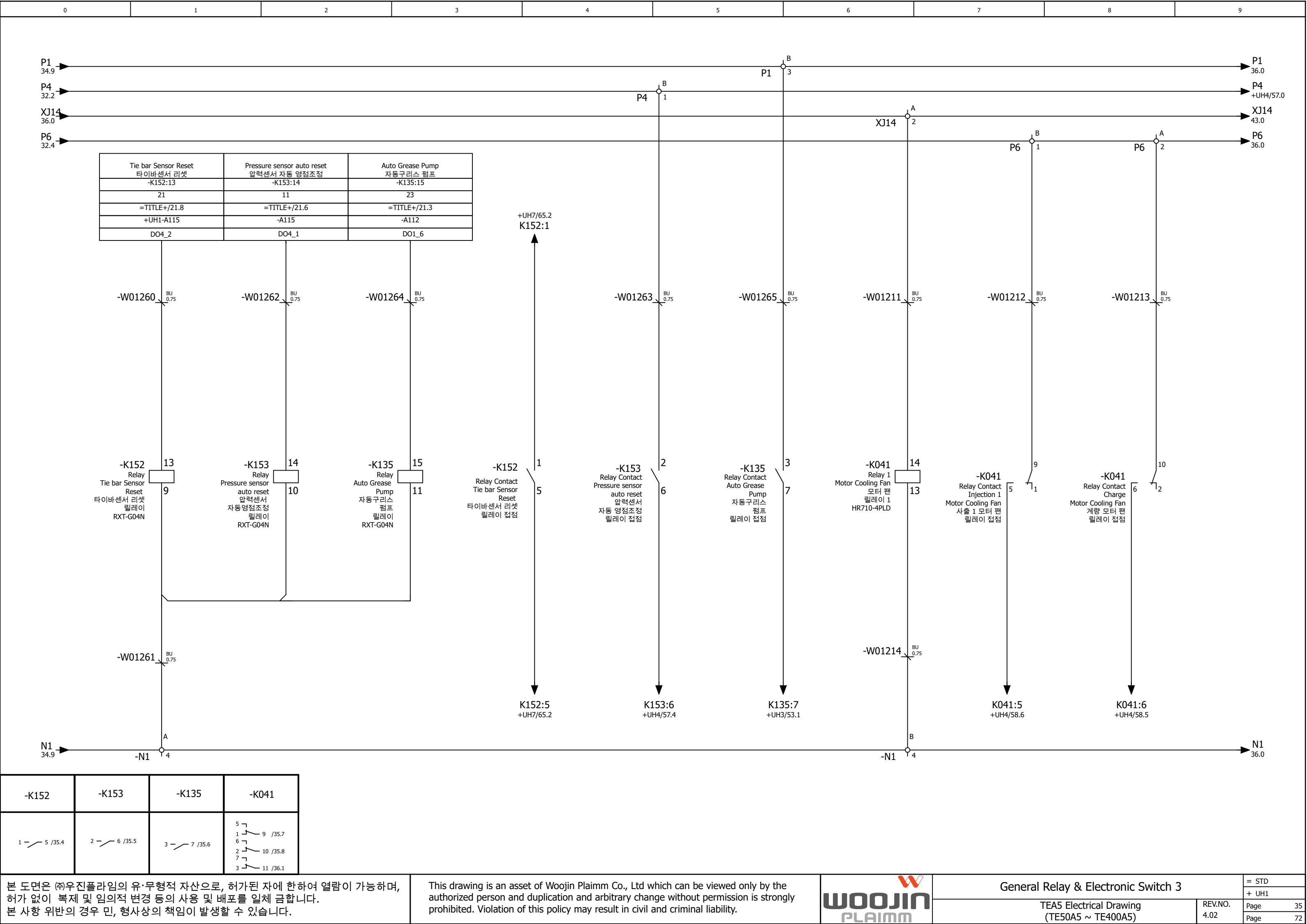
-K008	-K081

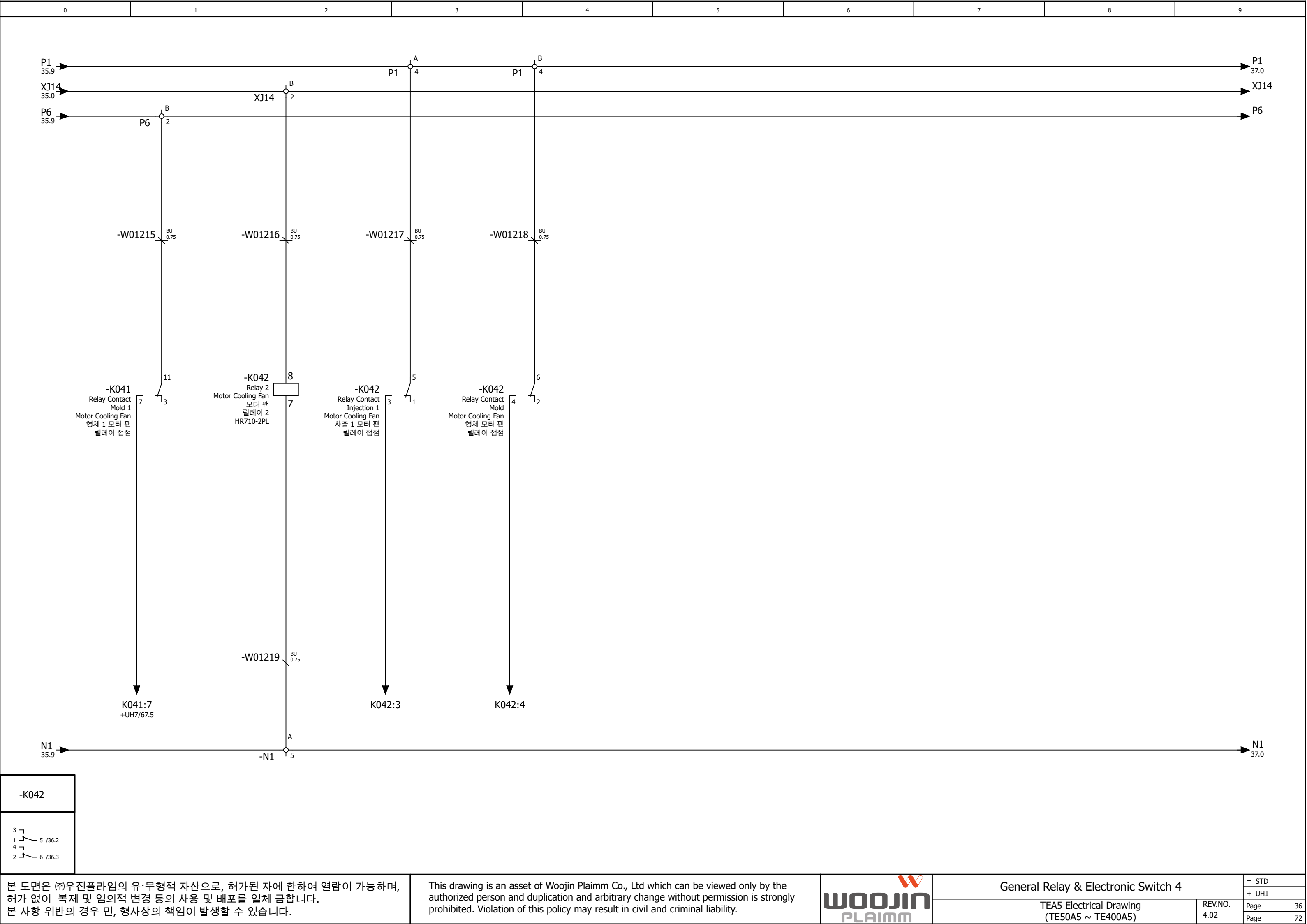
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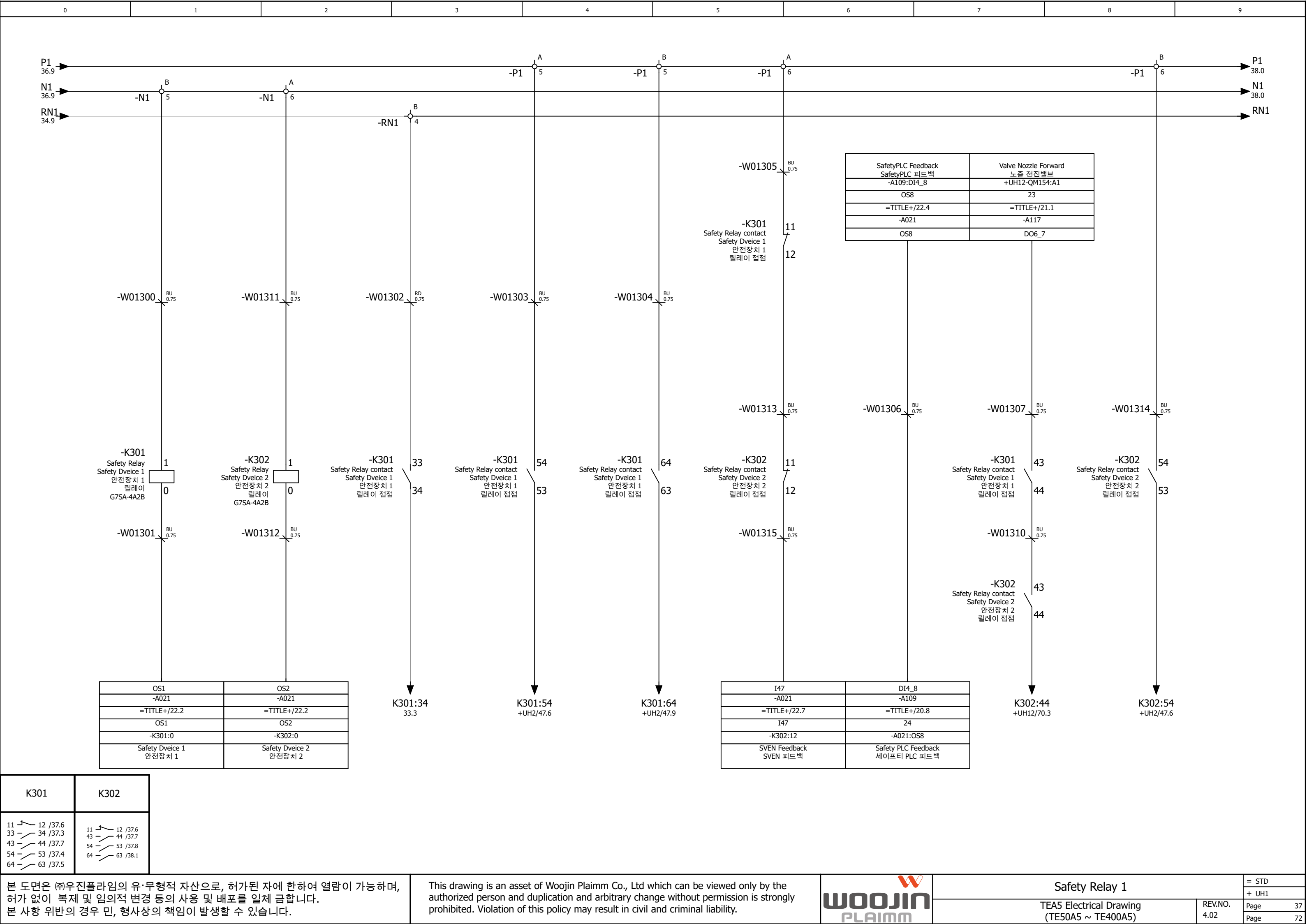
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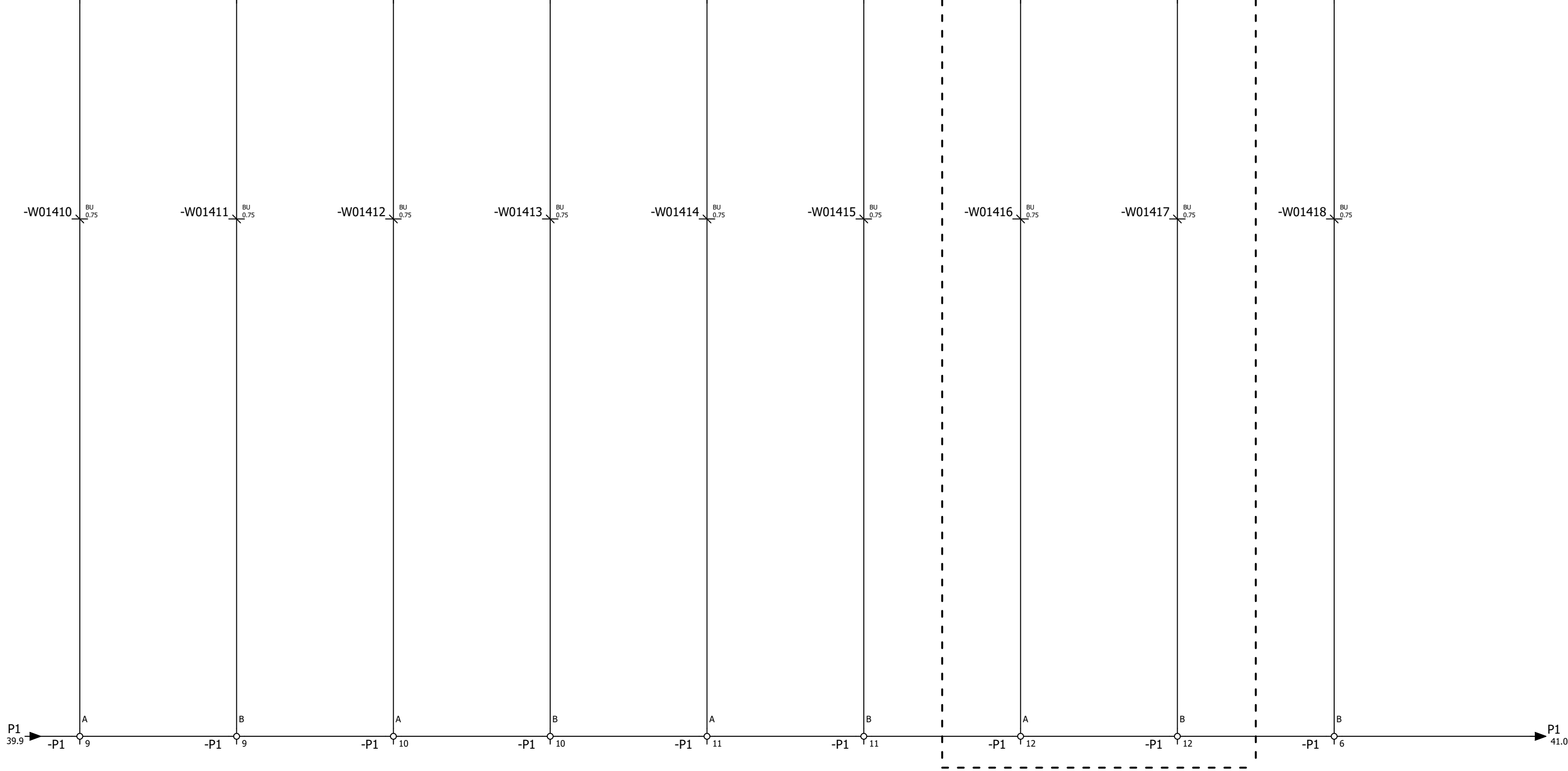




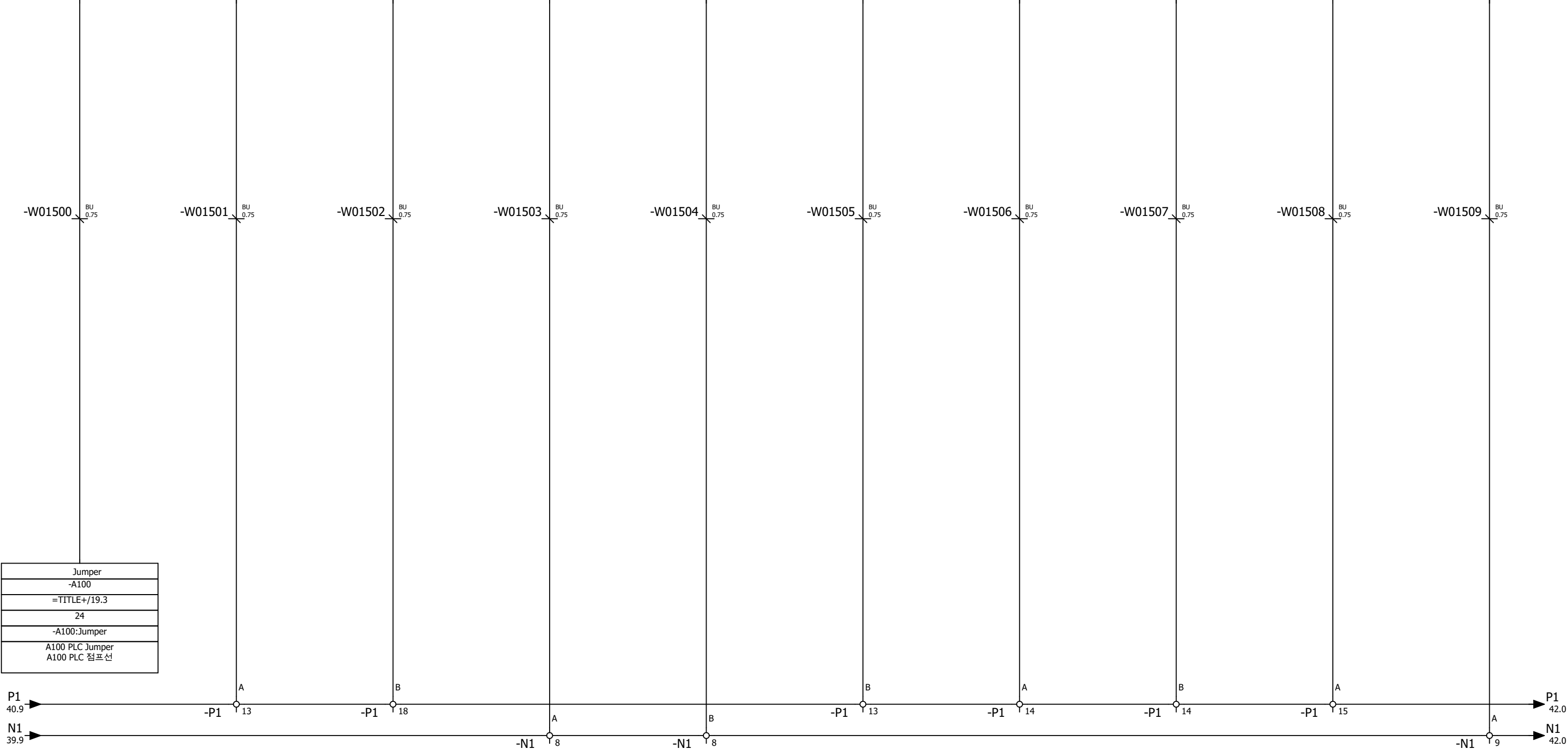


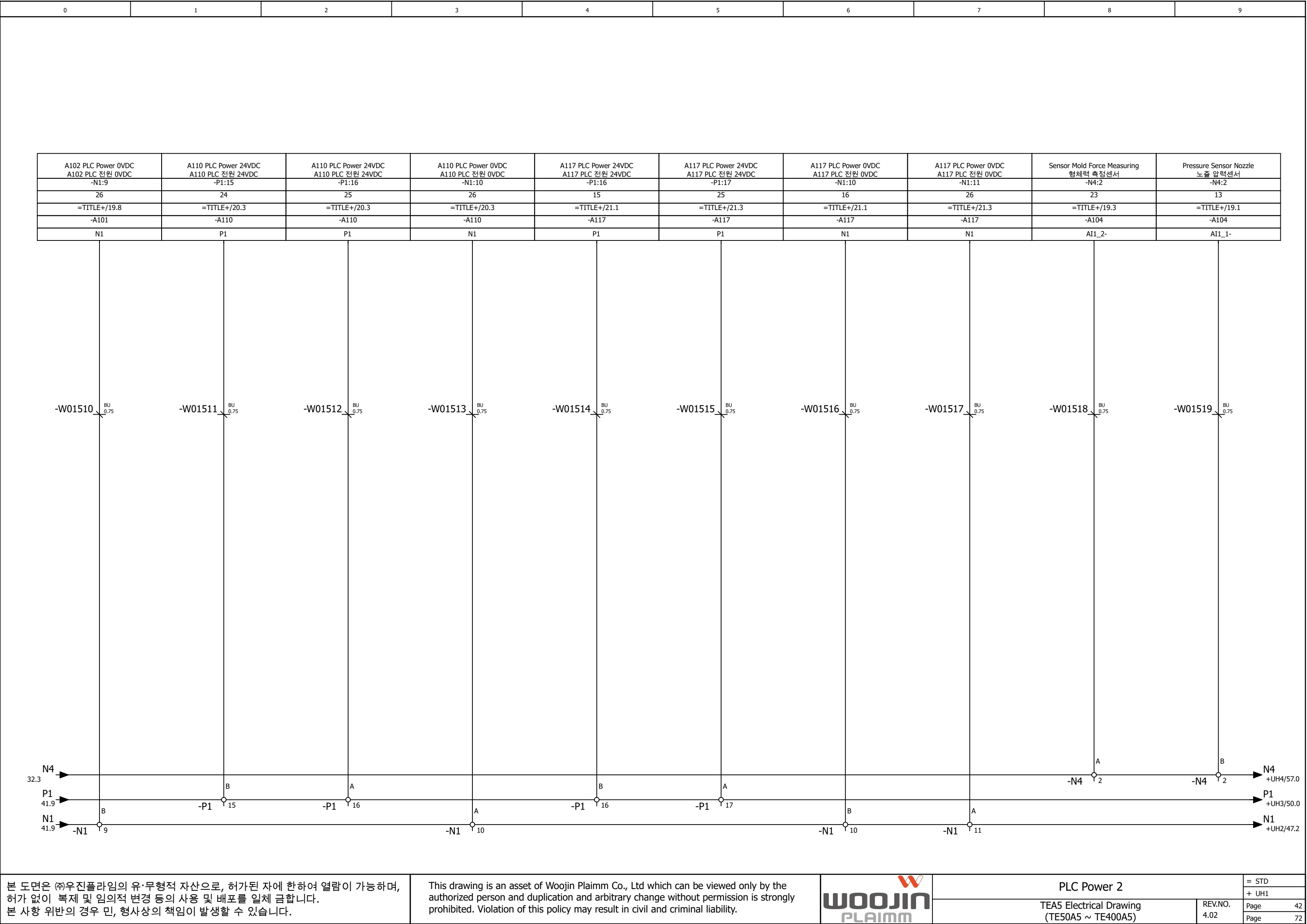
* EUROMAP 옵션시 삭제

Emergency Switch Mold Internal 형체 내부 비상정지 스위치 -P1:9	Emergency Switch Mold Internal 형체 내부 비상정지 스위치 -P1:9	Sensor Mold Internal 형체 내부 센서 -P1:10	Sensor Mold Internal 형체 내부 센서 -P1:10	Light Curtain 라이트커튼 -P1:11	Light Curtain 라이트커튼 -P1:11	Emergency Switch ROBOT 로봇 비상정지 스위치 -P1:12	Emergency Switch ROBOT 로봇 비상정지 스위치 -P1:12	KEBA Drive Use 케바 드라이브 사용 -P1:6
I15	I16	I25	I26	I31	I32	I17	I18	I43
=TITLE+/22.1	=TITLE+/22.1	=TITLE+/22.3	=TITLE+/22.3	=TITLE+/22.4	=TITLE+/22.4	=TITLE+/22.1	=TITLE+/22.1	=TITLE+/22.6
+UH1-A021	+UH1-A021	+UH1-A021	+UH1-A021	+UH1-A021	+UH1-A021	+UH1-A021	+UH1-A021	+UH1-A021
I15	I16	I25	I26	I31	I32	I17	I18	I43



A100 PLC Jumper A100 PLC 점프선 -A100:Jumper	A100 PLC Power 24VDC A100 PLC 전원 24VDC -P1:13	A100 PLC Power 0VDC A100 PLC 전원 0VDC -P1:18	A100 PLC Power 0VDC A100 PLC 전원 0VDC -N1:8	A100 PLC Power 0VDC A100 PLC 전원 0VDC -N1:8	A101 PLC Power 24VDC A101 PLC 전원 24VDC -P1:13	A101 PLC Power 24VDC A101 PLC 전원 24VDC -P1:14	A101 PLC Power 24VDC A101 PLC 전원 24VDC -P1:14	A101 PLC Power 24VDC A101 PLC 전원 24VDC -P1:15	A102 PLC Power 0VDC A102 PLC 전원 0VDC -N1:9
14	25	16	16	26	14	24	15	25	16
=TITLE+/19.1	=TITLE+/19.3	=TITLE+/19.1	=TITLE+/19.1	=TITLE+/19.3	=TITLE+/19.6	=TITLE+/19.8	=TITLE+/19.6	=TITLE+/19.8	=TITLE+/19.6
-A100	-A100	-A100	-A100	-A100	-A101	-A101	-A101	-A101	-A101
Jumper	P1	N1	N1	N1	P1	P1	P1	P1	N1





Servo Enable
서보 Enable
-XJ14:2
13
=TITLE+/21.1
-A112
DO1_5

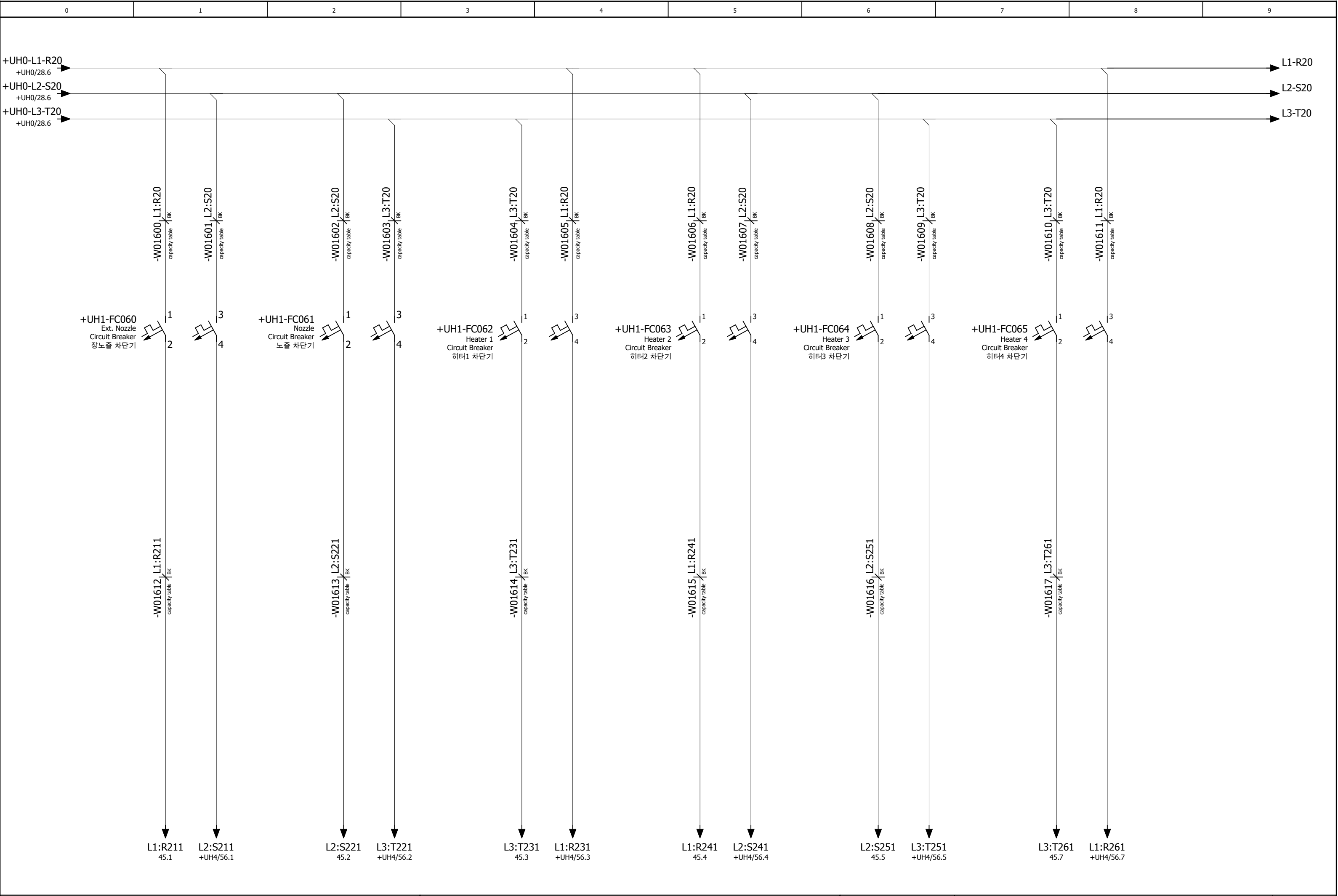
-W01520

BU
0.75

-XJ14

A
1

XJ14
35.9

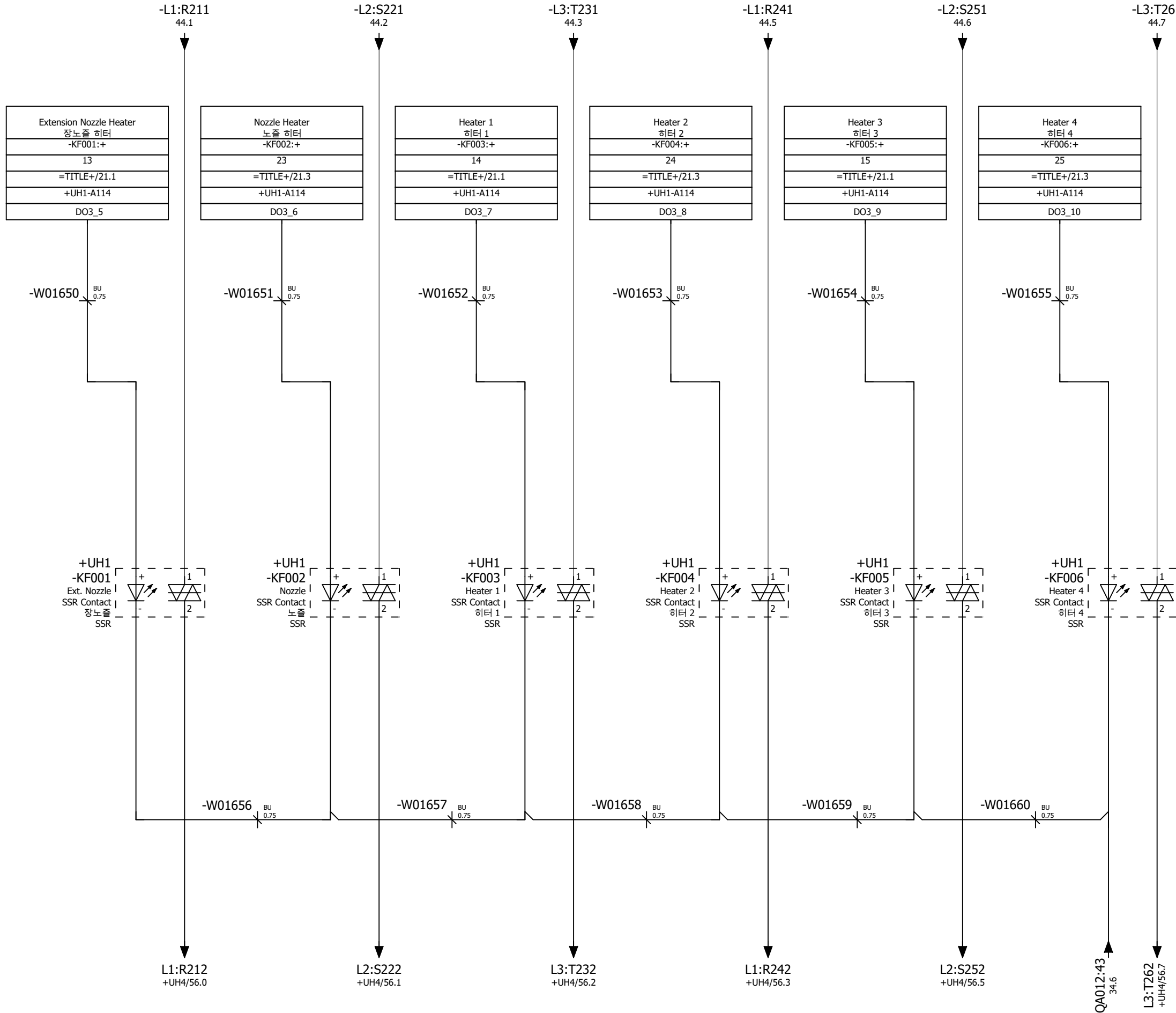


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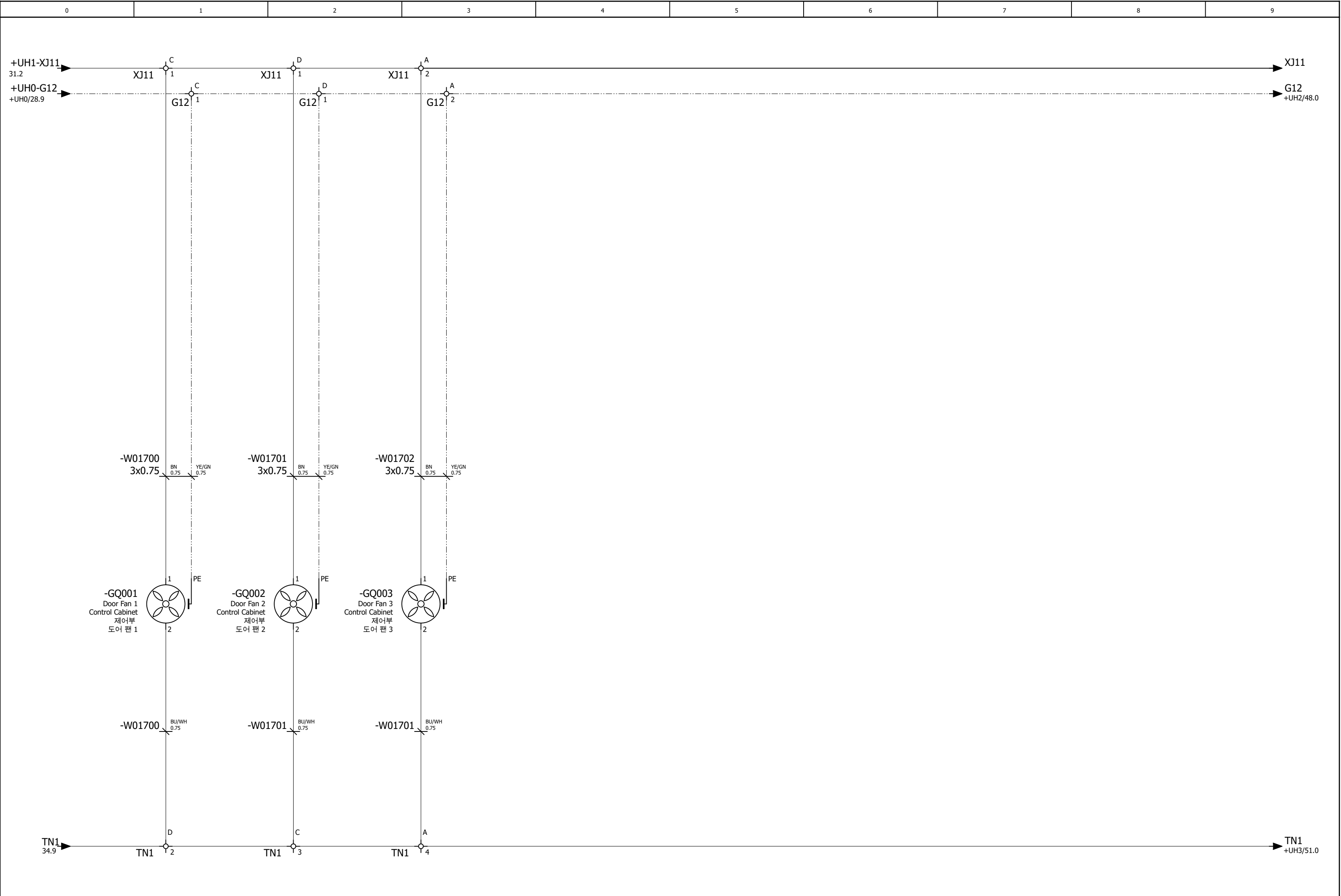
Heater Assy Circuit Breaker		= STD	
		+ UH1	
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)		REV.NO. 4.02	Page 44
			Page 72

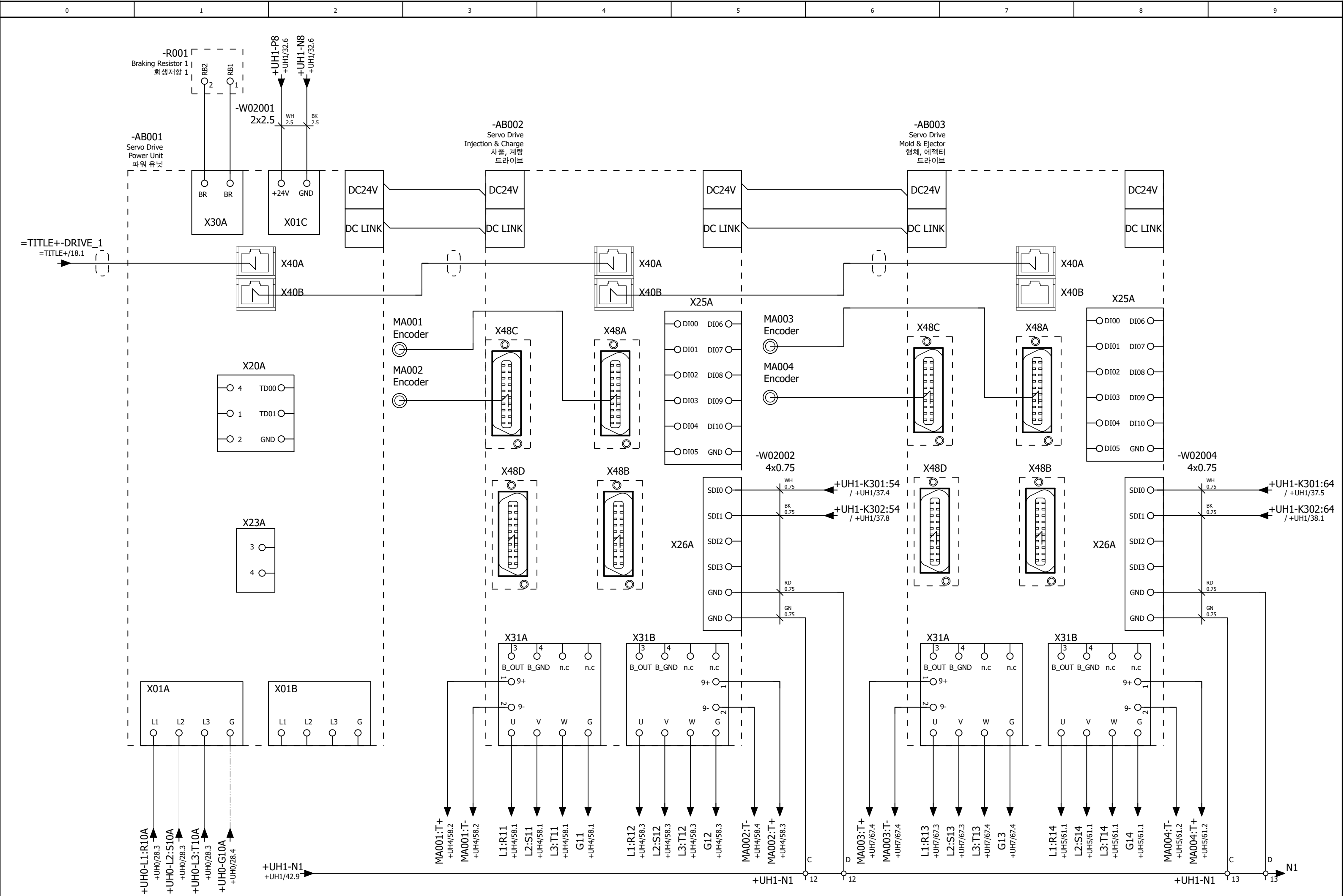


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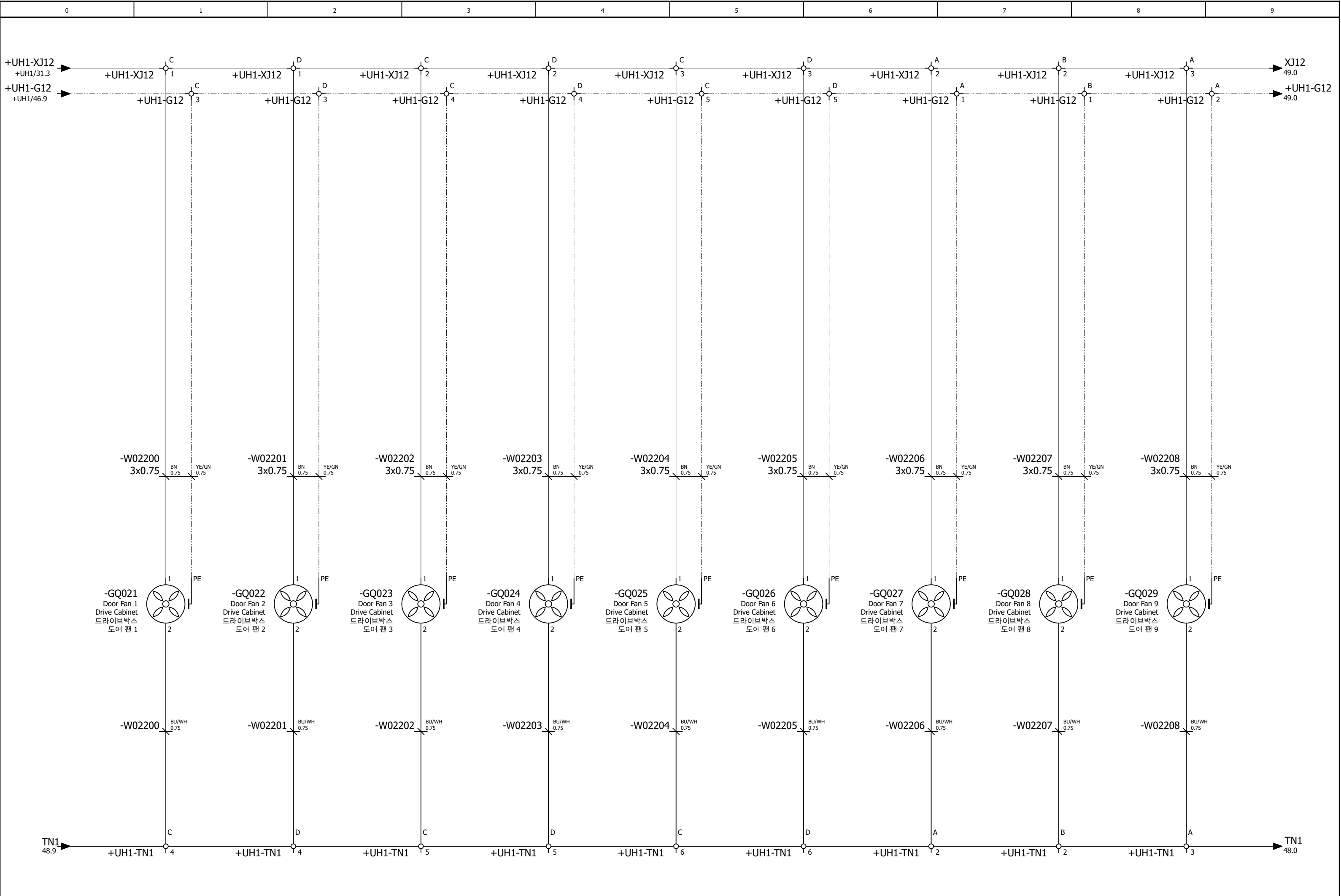


본 도면은 ㈜우진플라임의 유·무형적 자산으로, 허가된 자에 한하여 열람이 가능하며, 허가 없이 복제 및 임의적 변경 등의 사용 및 배포를 일체 금합니다. 본 사항 위반의 경우 민, 형사상의 책임이 발생할 수 있습니다.

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Servo Drive 1			= STD
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)			+ UH2
REV.NO. 4.02		Page 47	
		Page 72	

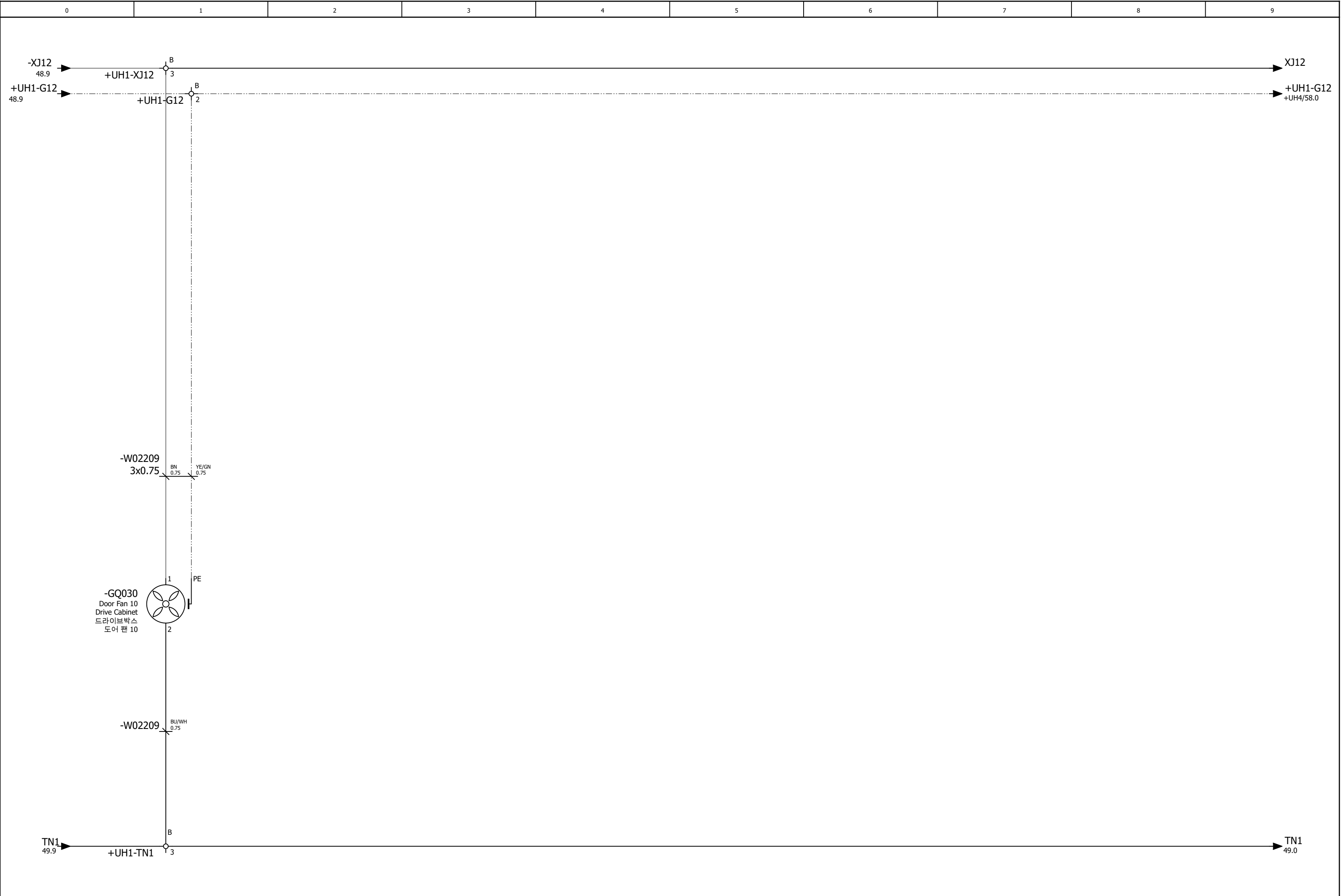


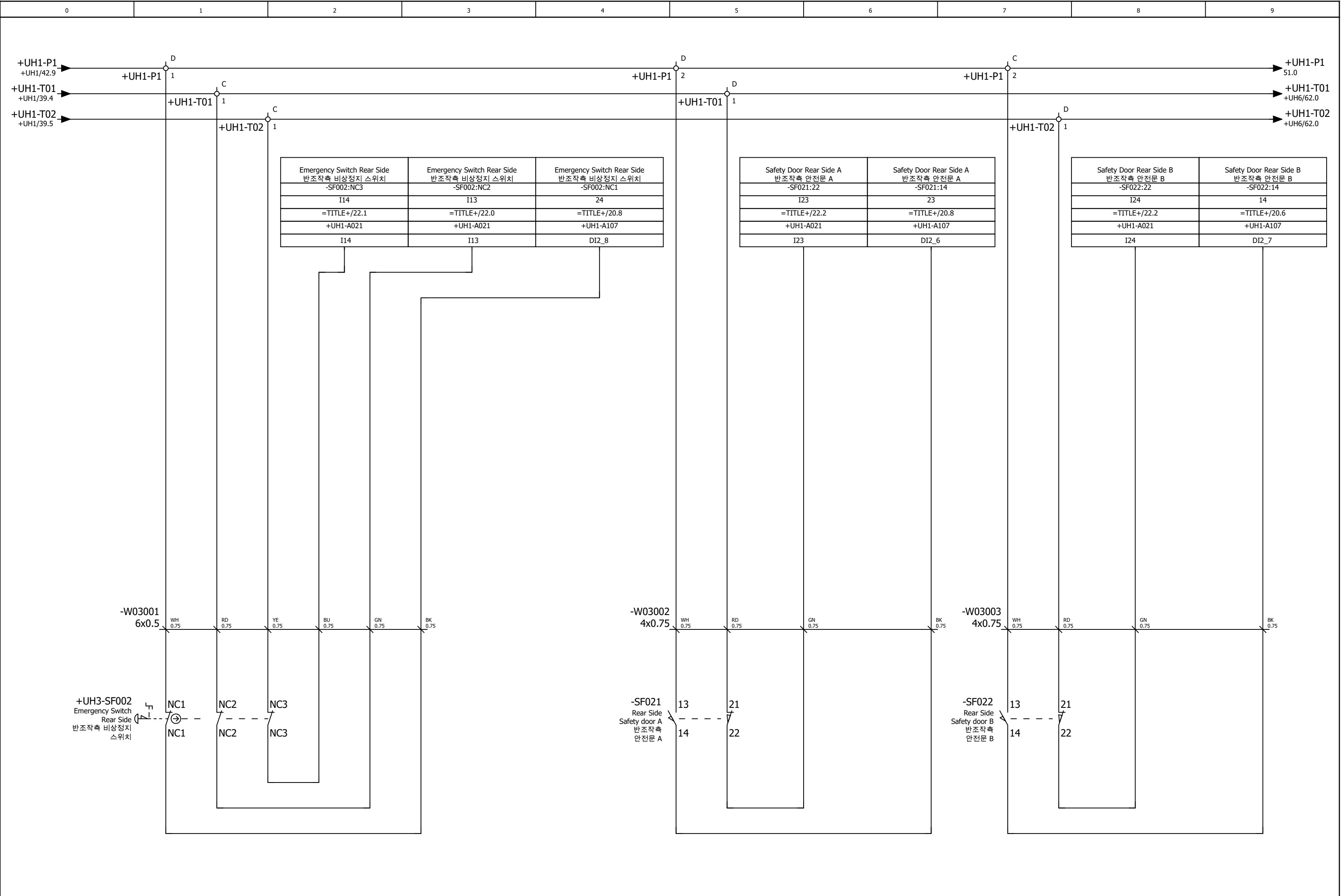
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Door Fan 1		= STD
		+ UH2
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)	REV.NO. 4.02	Page 48
		Page 72



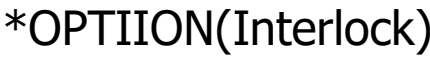


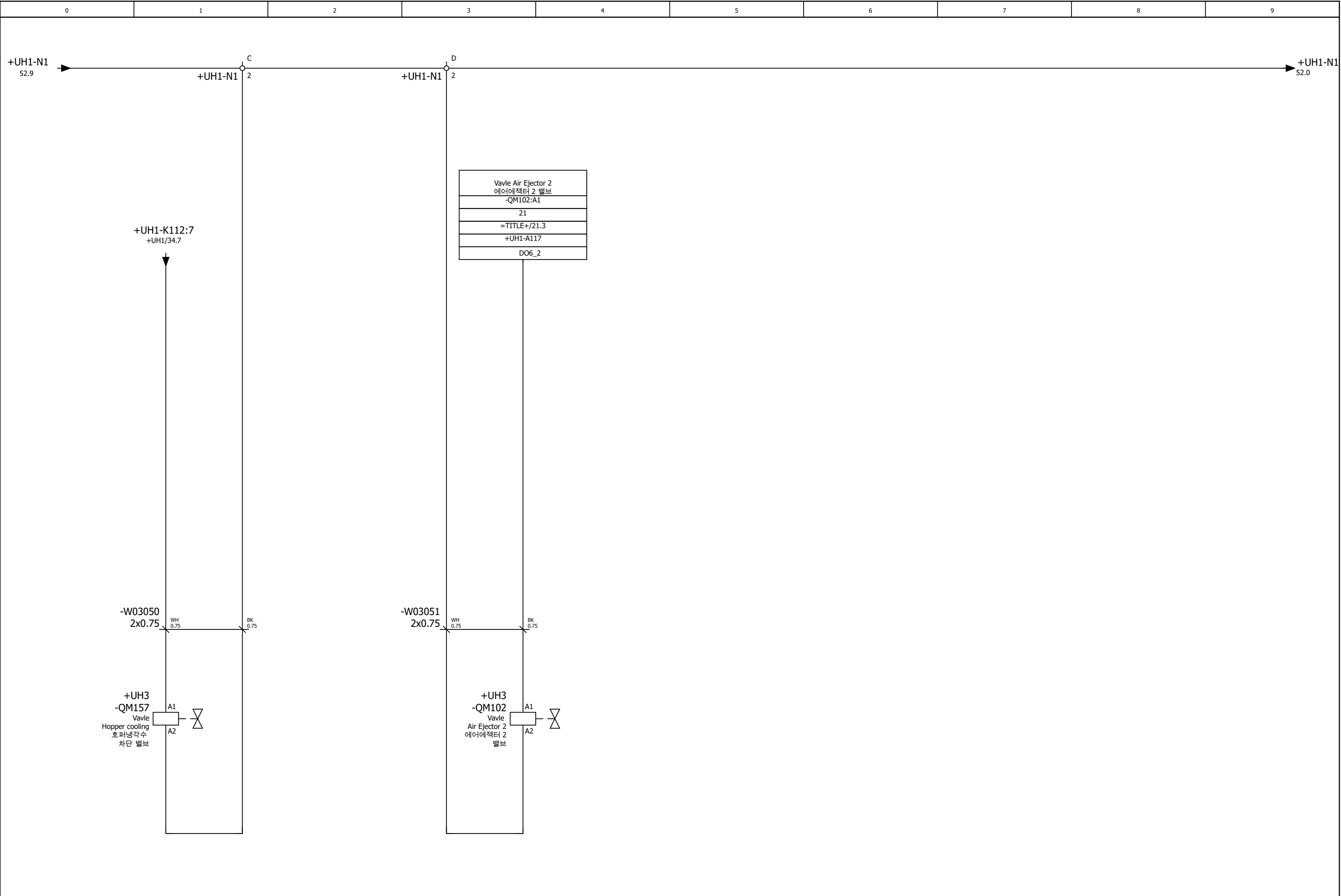
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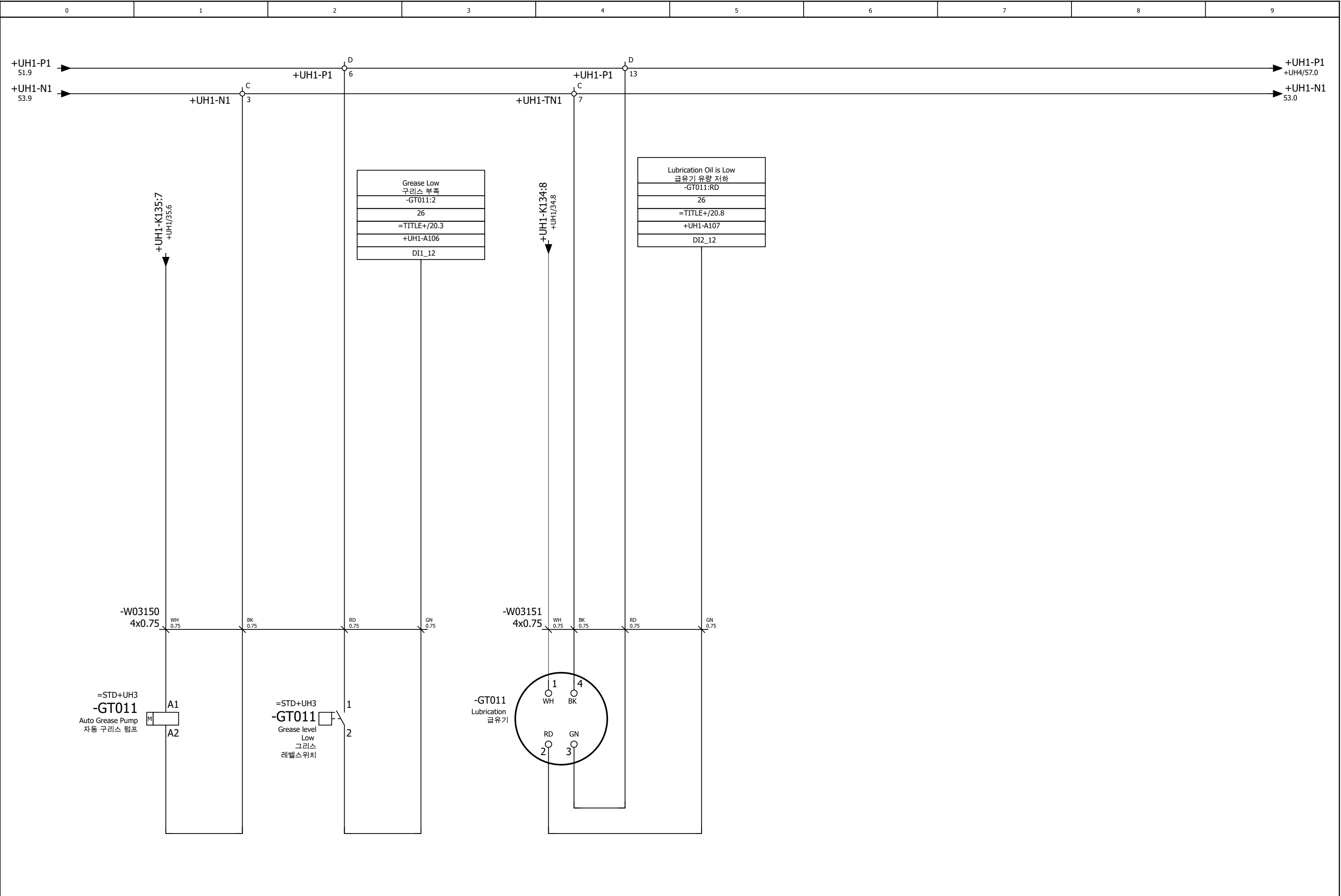
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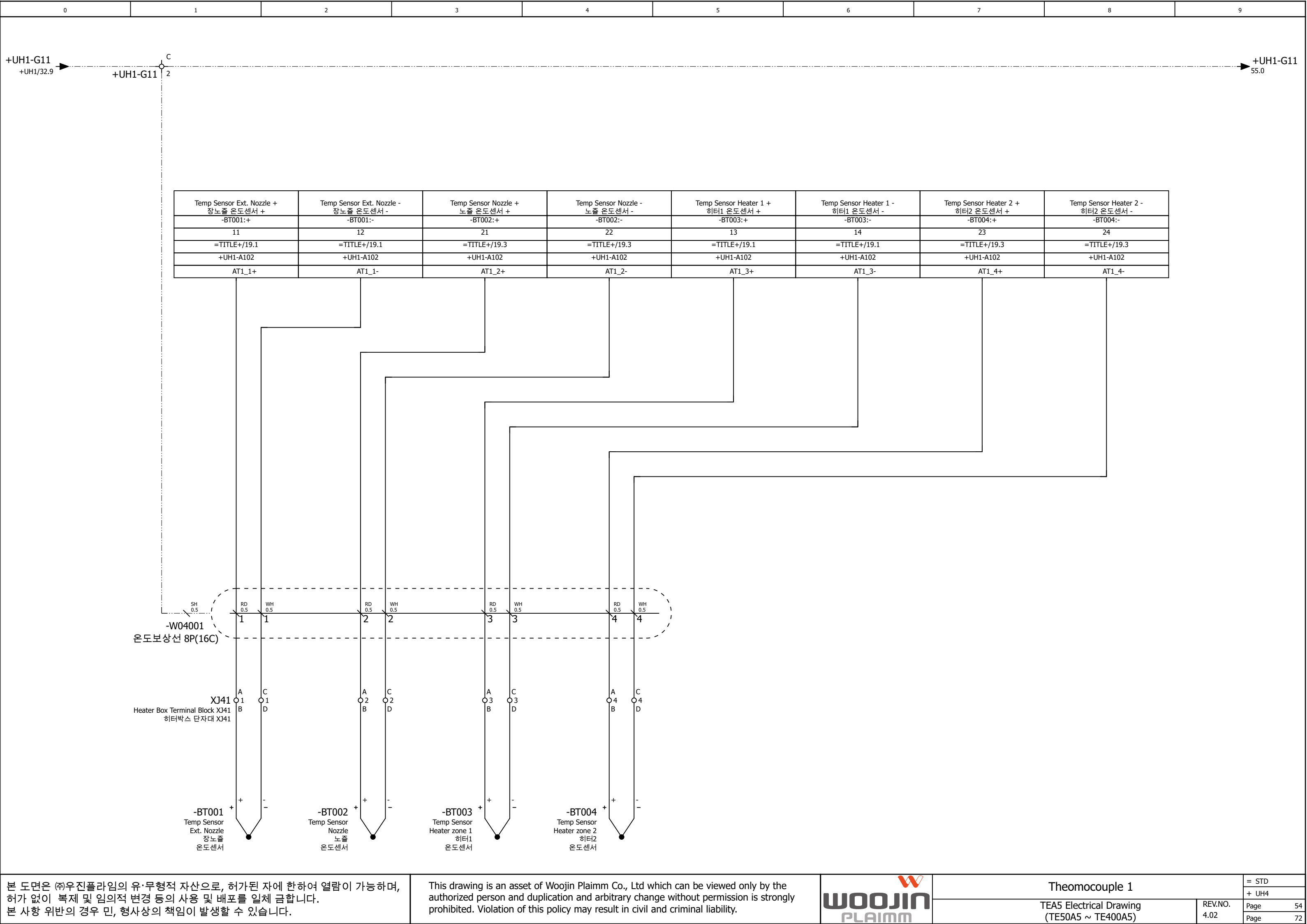


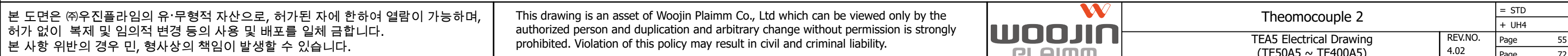
Emergency Stop & Safety Door		= STD
		+ UH3
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)	REV.NO. 4.02	Page 50
		Page 72

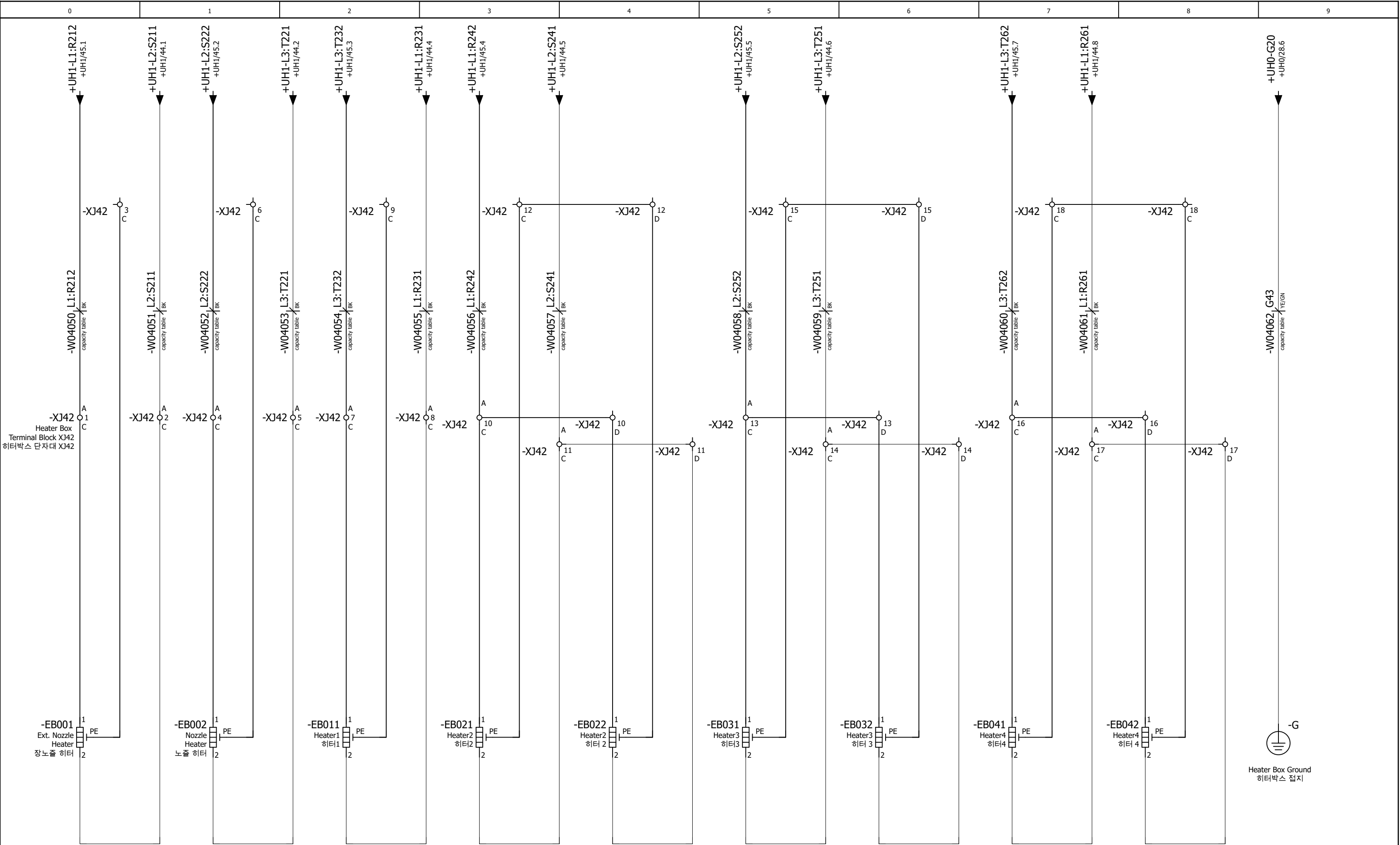










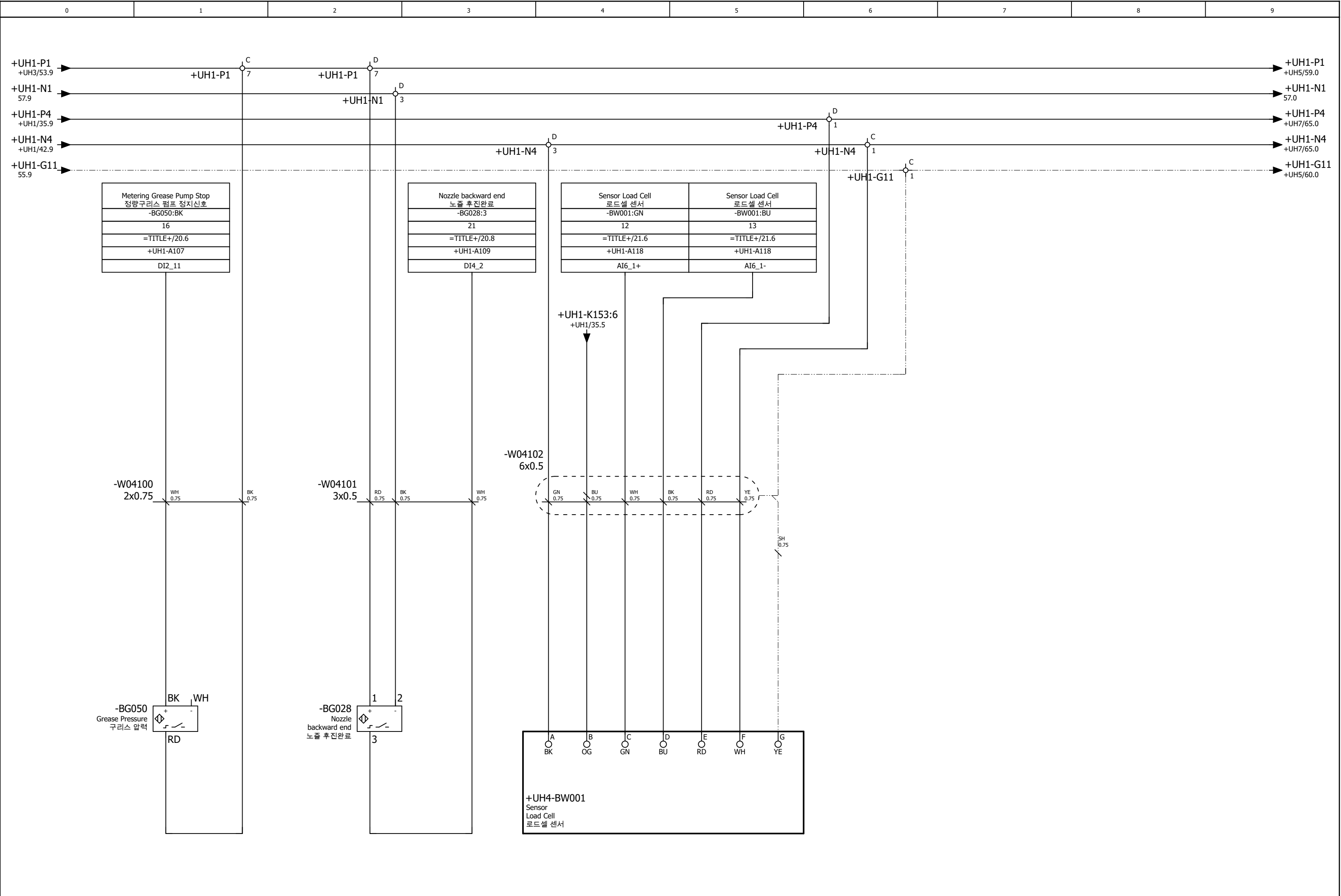


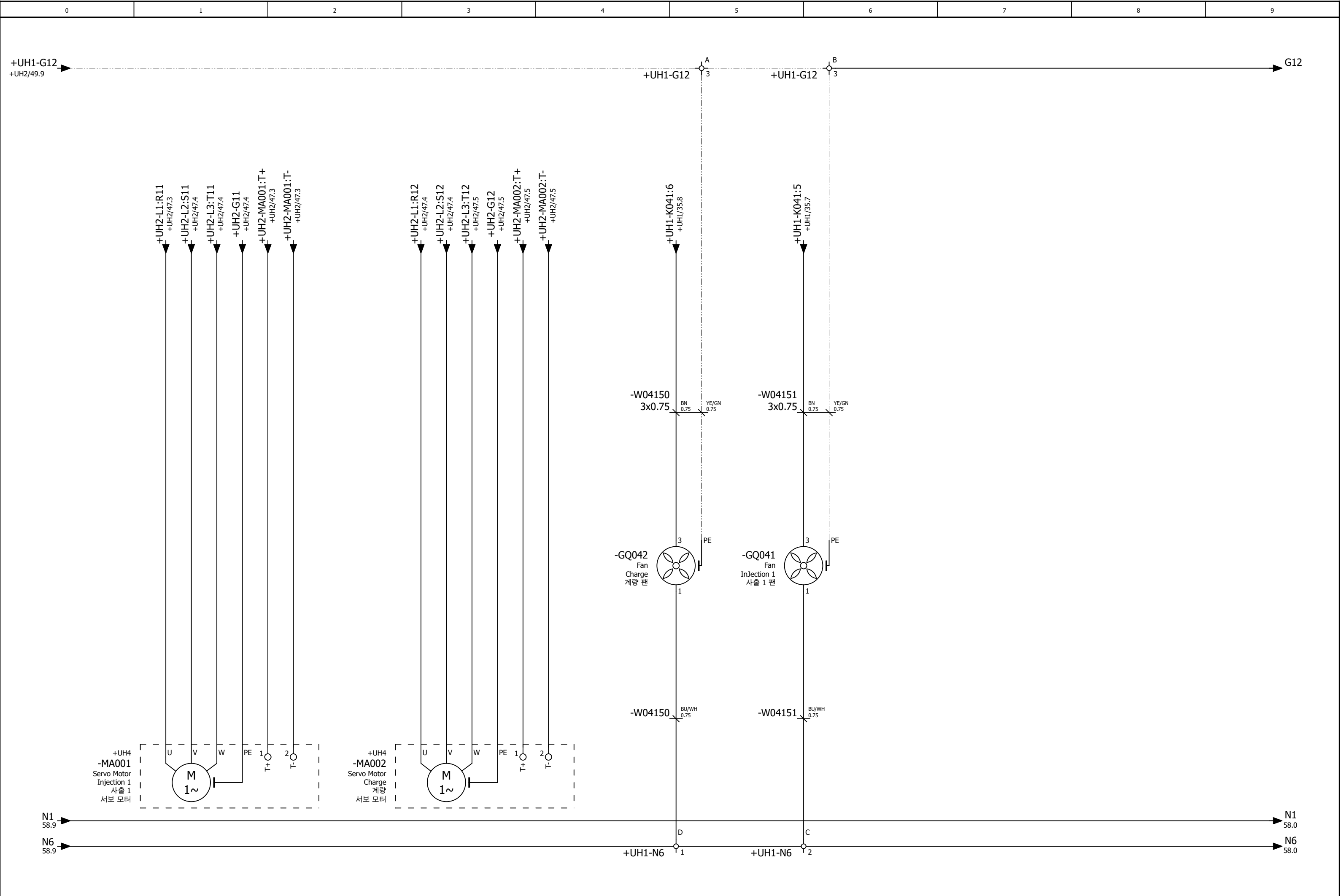
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Heater 1		= STD
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)		+ UH4
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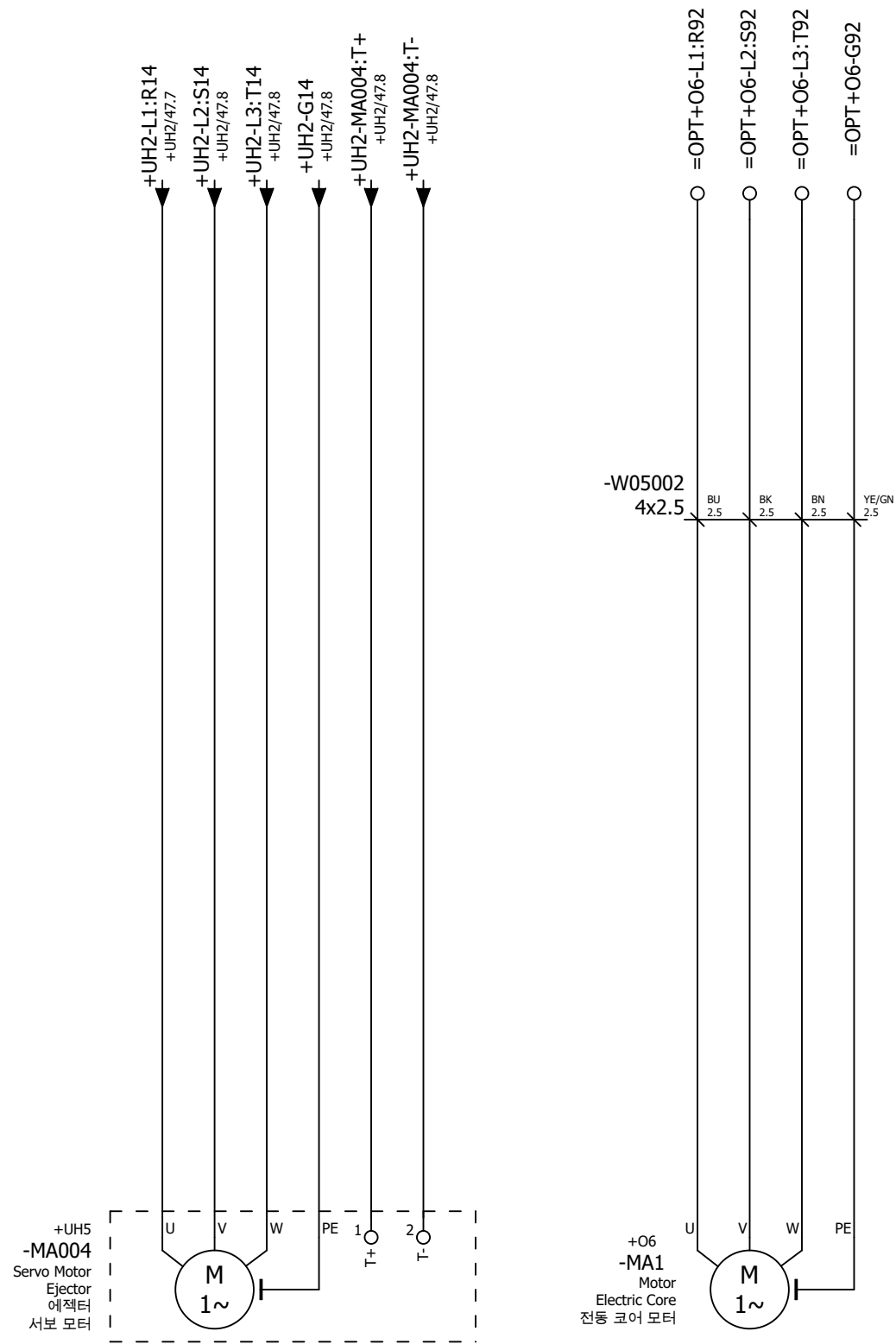


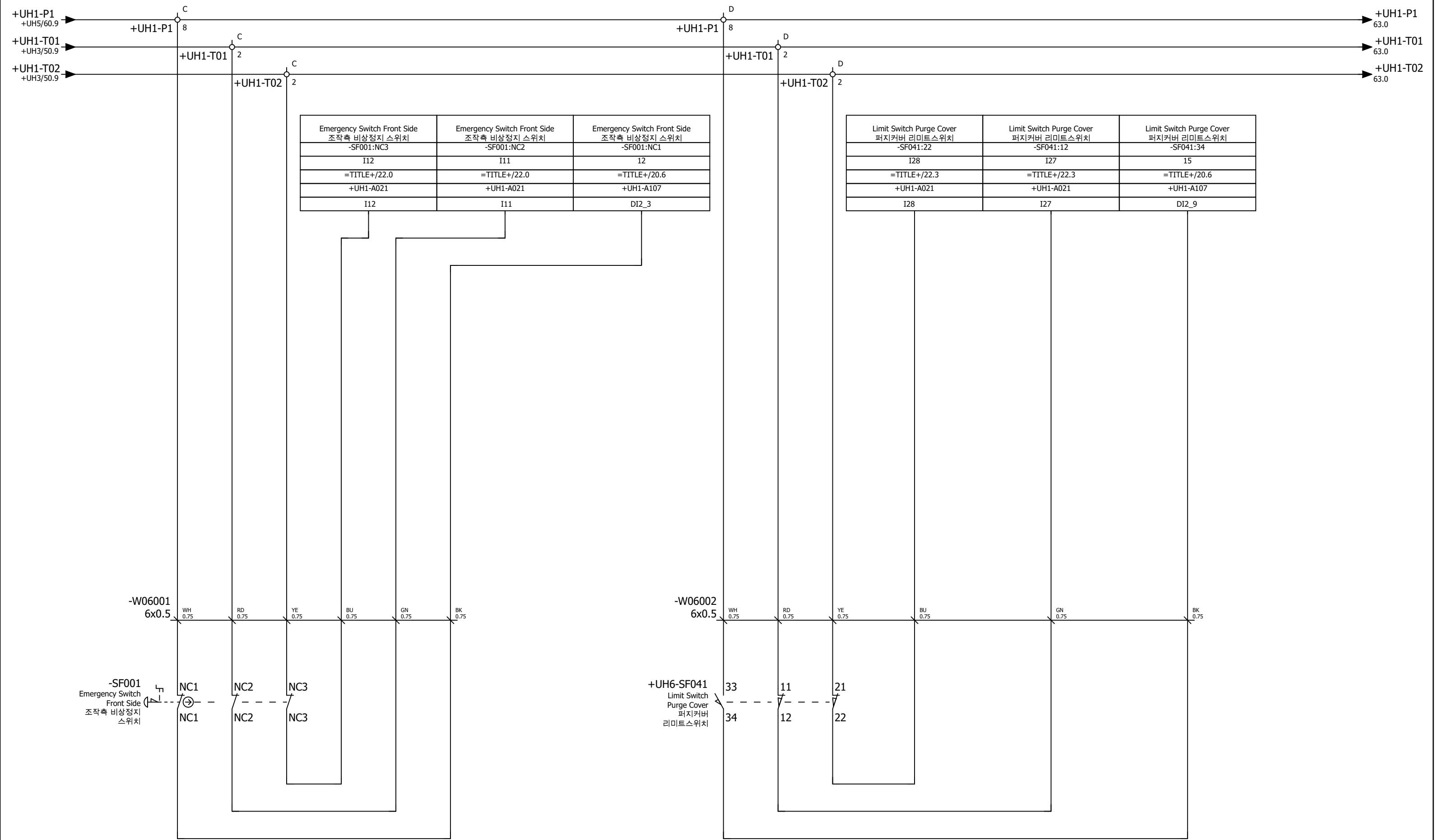
The diagram illustrates the routing of a cable harness through a grid of points. The cables are labeled as follows:

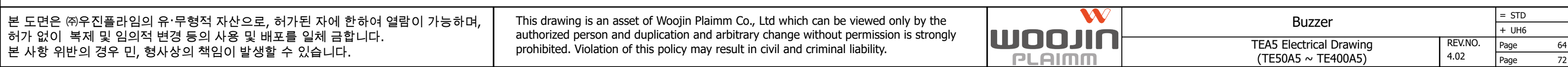
- W05003** (10x0.75): A cable with a BK (Black) color and 0.75mm pitch, connected to points A1, A2, A3, A4, and A5.
- +UH5-XJ51**: A cable with a BN (Brown) color and 0.75mm pitch, connected to points A1, A2, A3, A4, and A5.
- O5-XD3** (Interlock Core2 FWD END): A cable with a BK (Black) color and 0.75mm pitch, connected to points A1, A2, A3, A4, and A5.
- O5-XD4** (Interlock Core2 BWD END): A cable with a BN (Brown) color and 0.75mm pitch, connected to points A1, A2, A3, A4, and A5.
- O5-XD5** (Interlock Ejector BWD END): A cable with a BK (Black) color and 0.75mm pitch, connected to points A1, A2, A3, A4, and A5.
- O6-XD1** (Interlock Unscrew FWD END): A cable with a BK (Black) color and 0.75mm pitch, connected to points A1, A2, A3, A4, and A5.
- O6-XD2** (Interlock Unscrew BWD END): A cable with a BN (Brown) color and 0.75mm pitch, connected to points A1, A2, A3, A4, and A5.
- +UH1-P1**: A cable with a BK (Black) color and 0.75mm pitch, connected to points A1, A2, A3, A4, and A5.

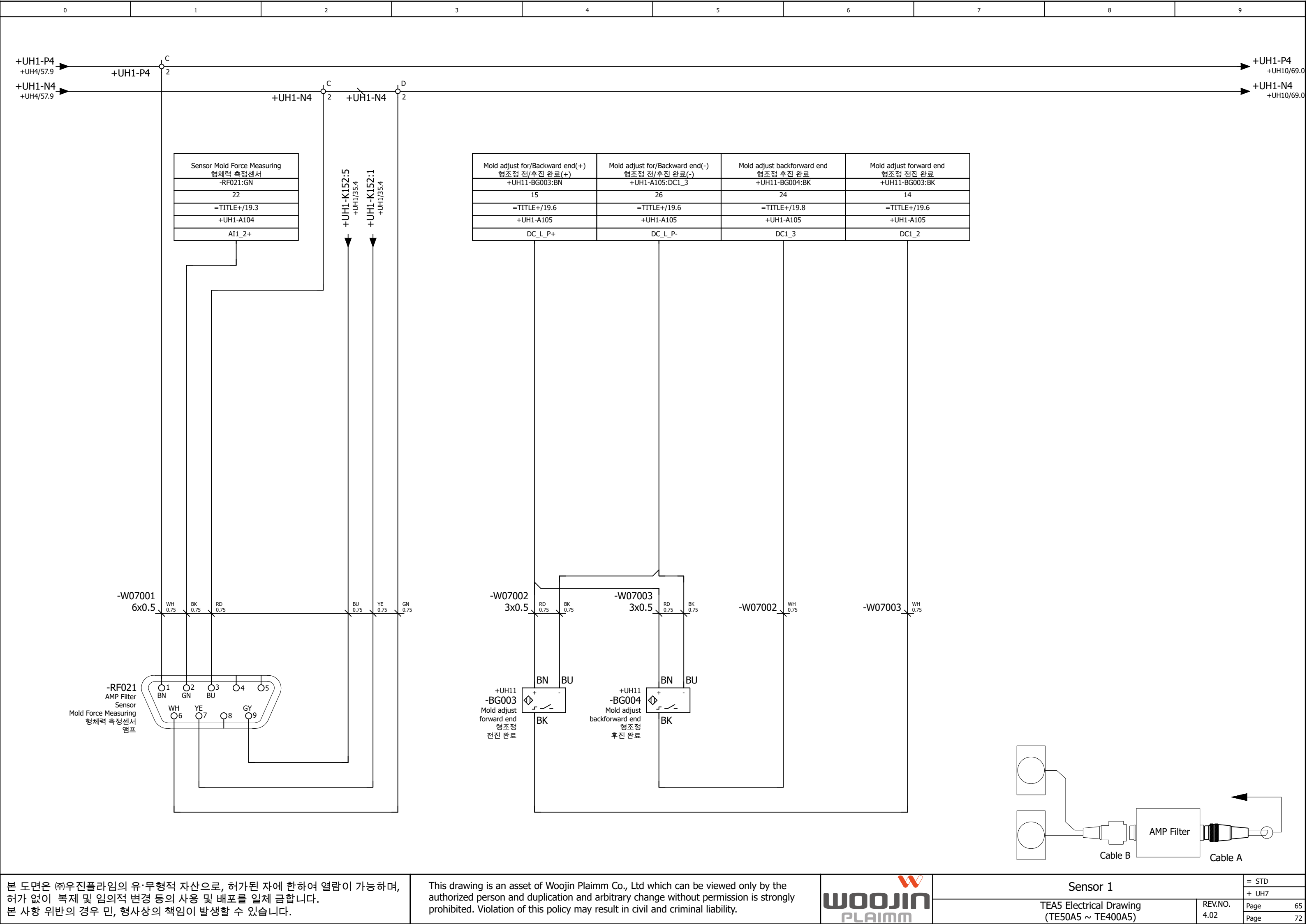
The diagram shows the routing of these cables through a grid of points, with a dashed line indicating a section break on the right side.

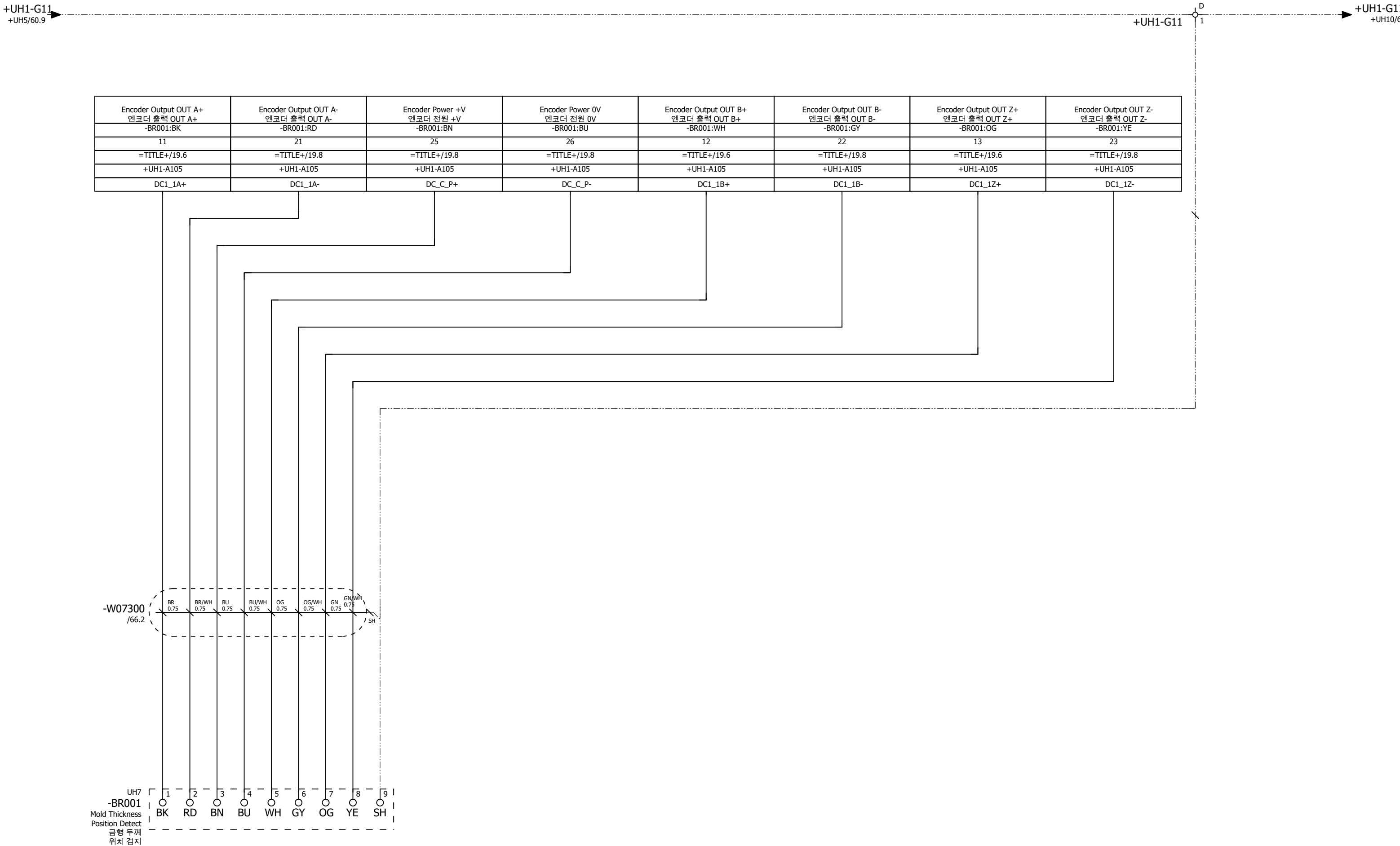
*OPTIION(Interlock)

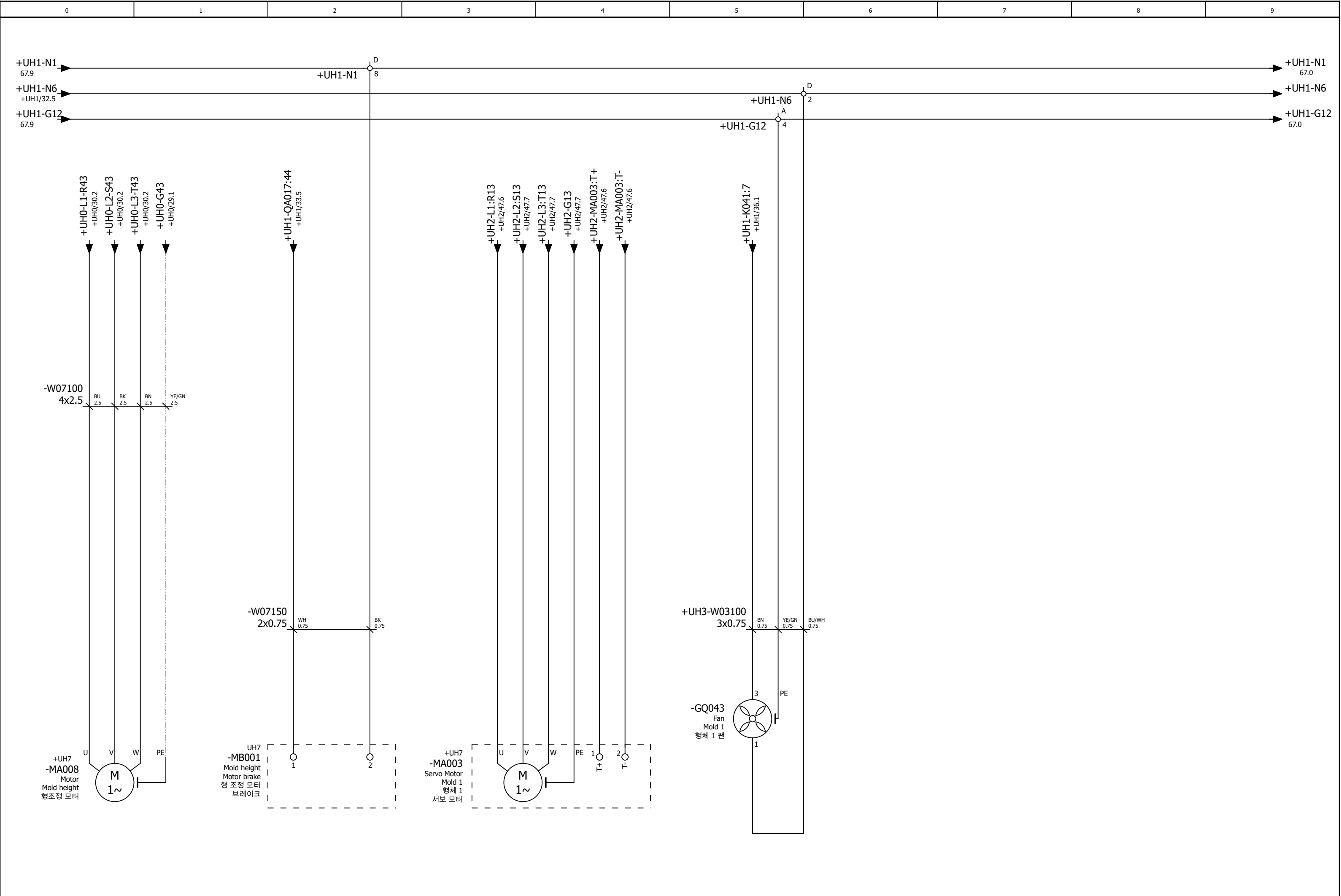


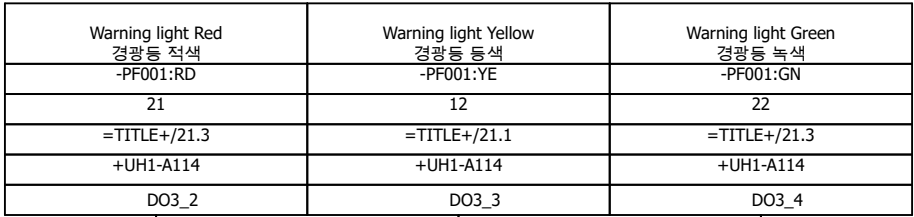


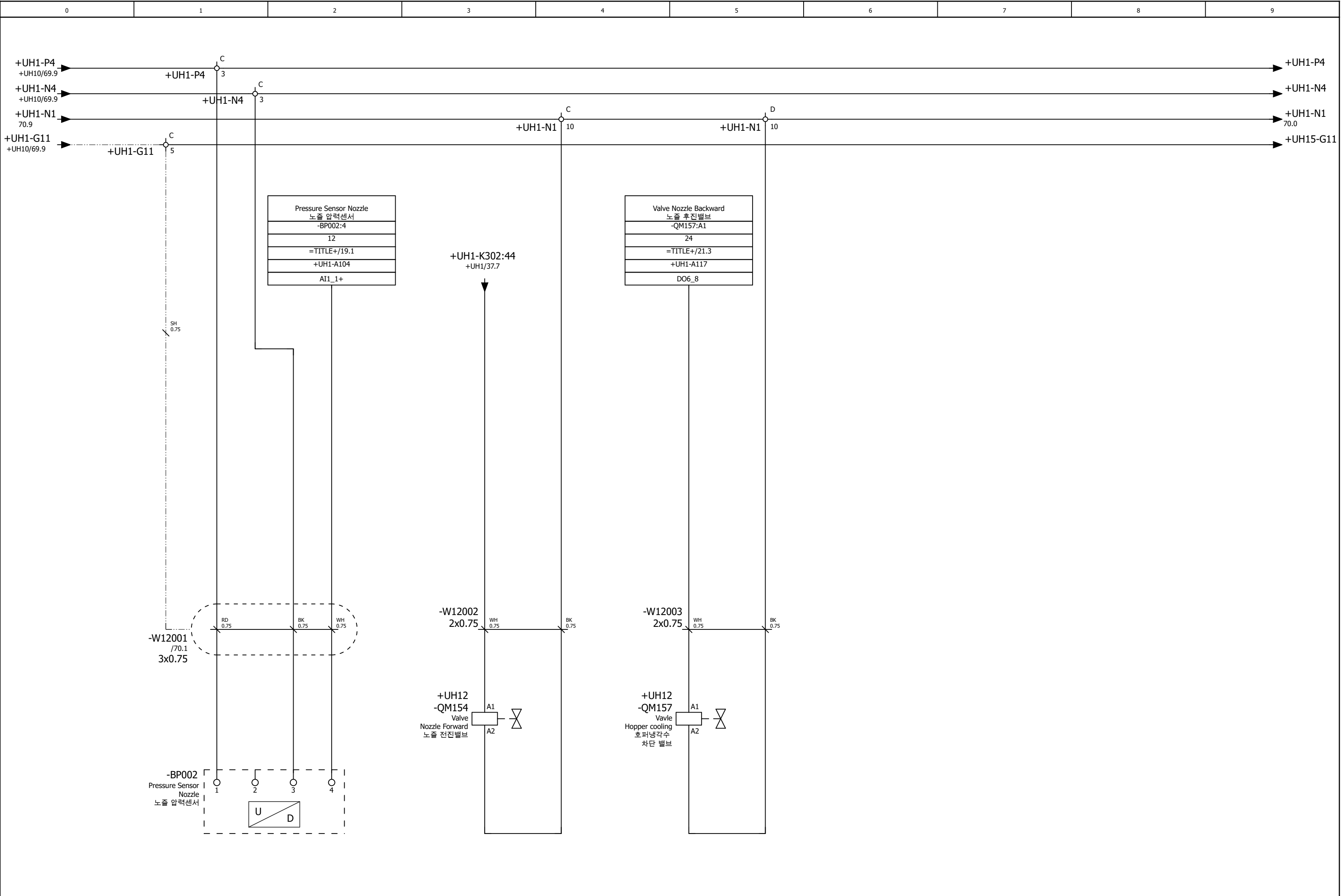










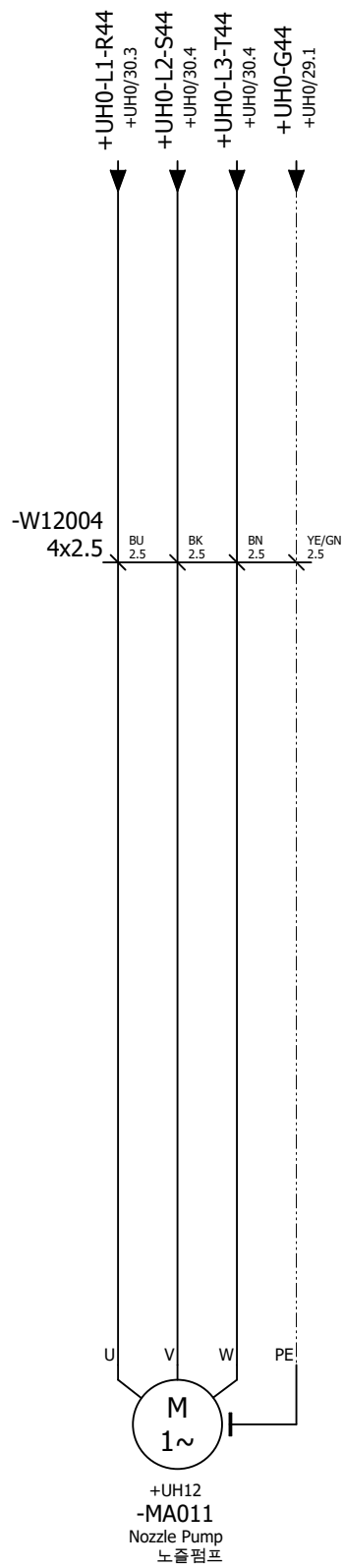


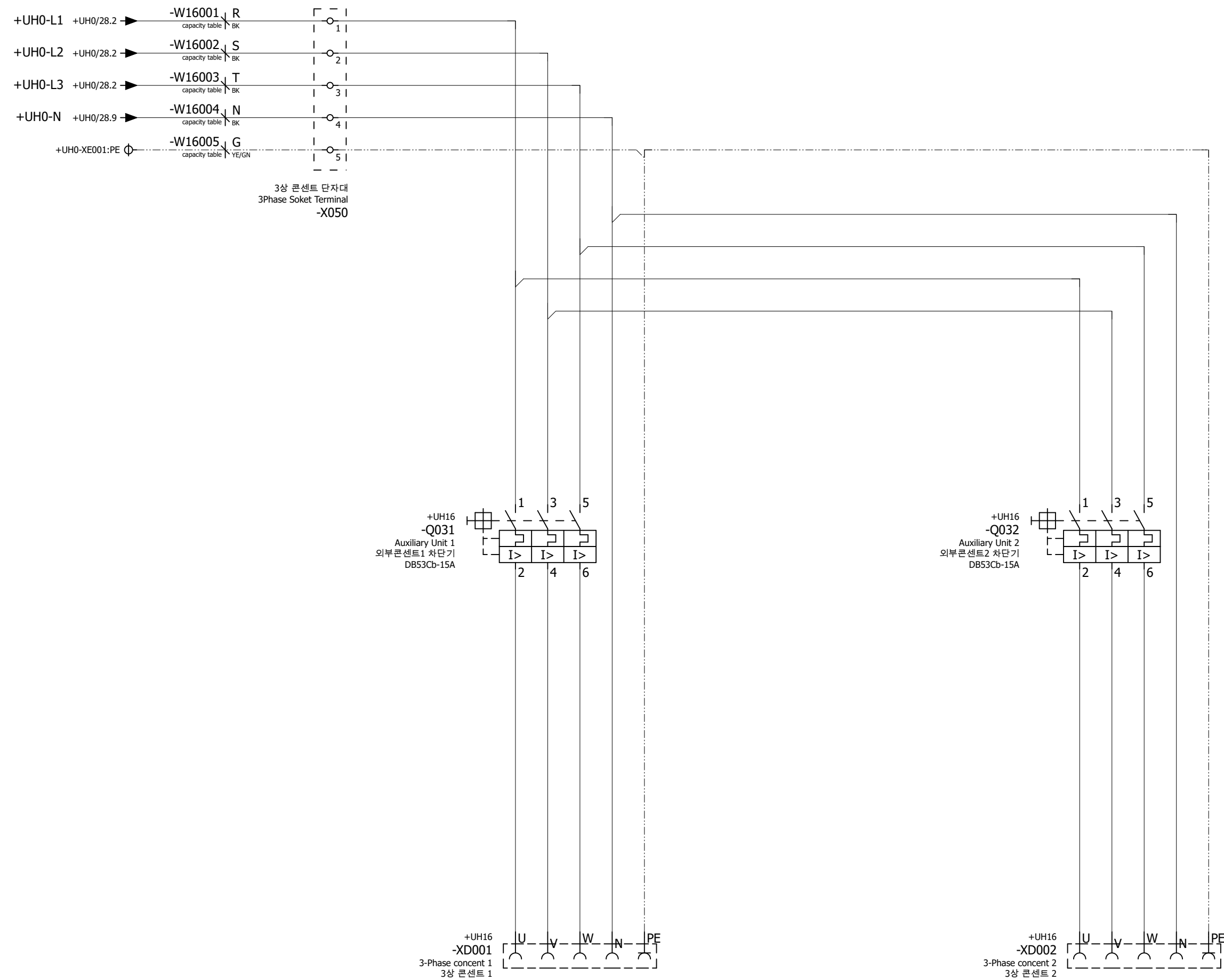
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Pressure Sensor & Valve		= STD	
		+ UH12	
TEA5 Electrical Drawing (TE50A5 ~ TE400A5)		REV.NO. 4.02	Page 70
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+UH0-N

+UH0/28.9

➔

-W16004

capacity table

N

BK

4

4

+UH0-XE001:PE

Φ

⋯

-W16005

capacity table

G

YE/GN

5

5

3상 콘센트 단자대
3Phase Soket Terminal
-X050

+UH16

-Q031

Auxiliary Unit 1

외부콘센트1 차단기

DB53Cb-15A

1

3

5

I>

I>

I>

2

4

6

+UH16

-XD001

3-Phase concent 1

3상 콘센트 1

U

V

W

N

PE

+UH16

-Q032

Auxiliary Unit 2

외부콘센트2 차단기

DB53Cb-15A

1

3

5

I>

I>

I>

2

4

6

+UH16

-XD002

3-Phase concent 2

3상 콘센트 2

U

V

W

N

PE