



1. 설정된 충전량 이상 충전된 배터리 라인 OFF 되고, BAT-01과 BAT-02의 전압 차이가 10V 이상시 높은 전압의 배터리 라인 OFF 되고, 전압이 동일한 상태가 되면 ON 되어야 합니다.
2. 회로 전류가 18A 이상, 또는 회로전압이 396~541V를 벗어나거나, 전류센서(CB350M)가 음(-)전류 센싱하면 RELAY를 OFF 합니다.
RELAY OFF 되면 WIND TURBINE(CONVERTER 포함) OFF 되어야 하고, 조치 후 RELAY ON 시 RELAY 음착 방지를 위해 CONVERTER ON 되기 전에 RELAY 먼저 ON 되어야 합니다.
3. 회로 전류가 24A 이상, 또는 회로전압이 396~541V를 벗어나거나, 전류센서(CB350M)가 음(-)전류 센싱하면 RELAY를 OFF 합니다.
RELAY OFF 되면 SOLAR PANEL(CONVERTER 포함) OFF 되어야 하고, 조치 후 RELAY ON 시 RELAY 음착 방지를 위해 CONVERTER ON 되기 전에 RELAY 먼저 ON 되어야 합니다.

전 기 계 통 도
[SLD FOR RENEWABLE ENERGY SWBD]

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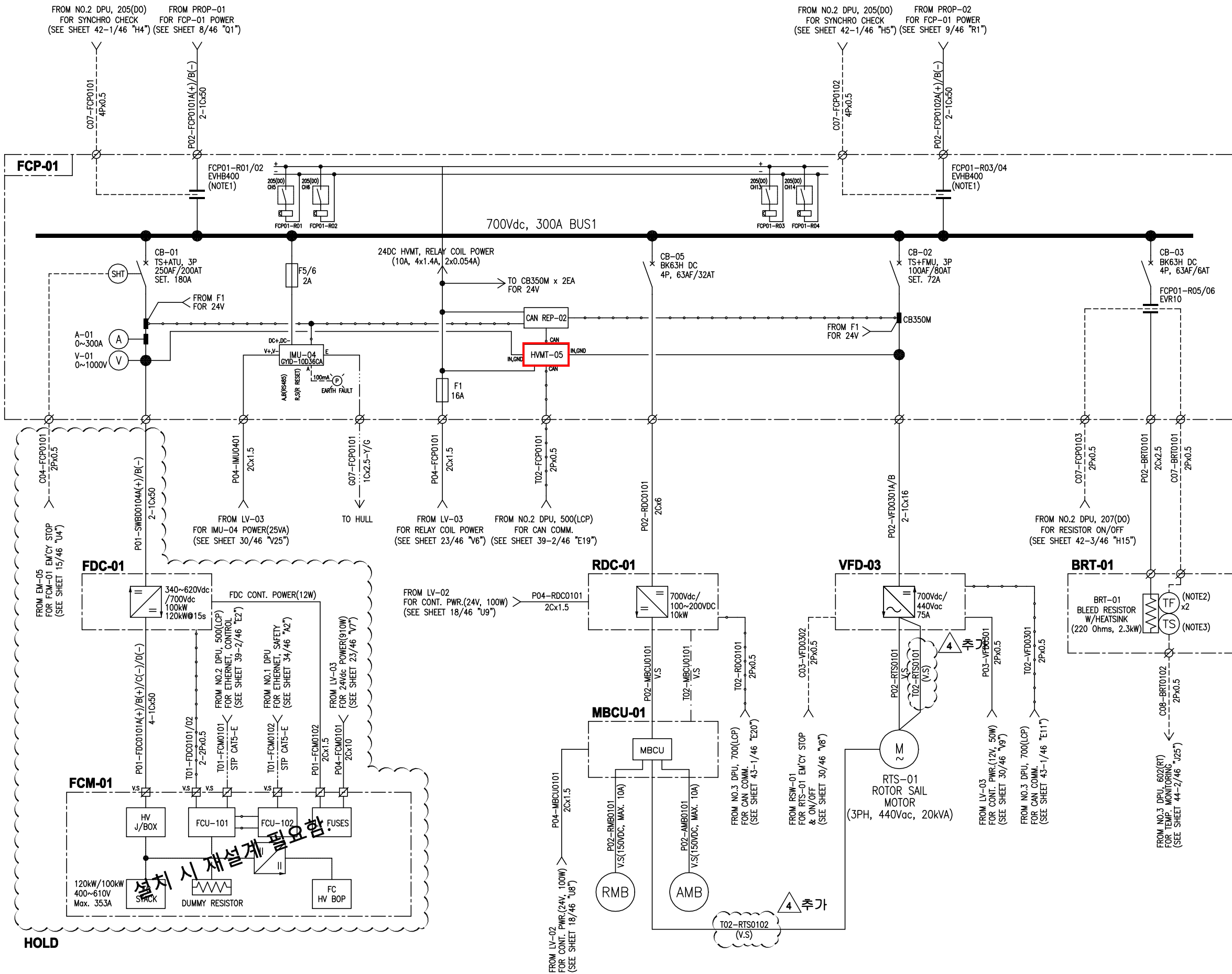
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NOTES

1. 설정된 방전량 이하로 방전된 배터리 라인은 OFF 되고, BAT-01과 BAT-02의 전압 차이가 10V 이상시 낮은 전압의 배터리 라인 OFF 되고, 전압이 동일한 상태가 되면 ON 되어야 합니다.
2. BLEED RESISTOR 온도가 80°C 이상이면 THERMAL FUSE 접점이 OFF되어 FCP01-R05/06 릴레이를 OPEN 합니다.
3. BLEED RESISTOR 상에 설치되는 온도 센서에 의해 BLEED RESISTOR 온도를 MAIN CONTROLLER에서 모니터링 합니다.

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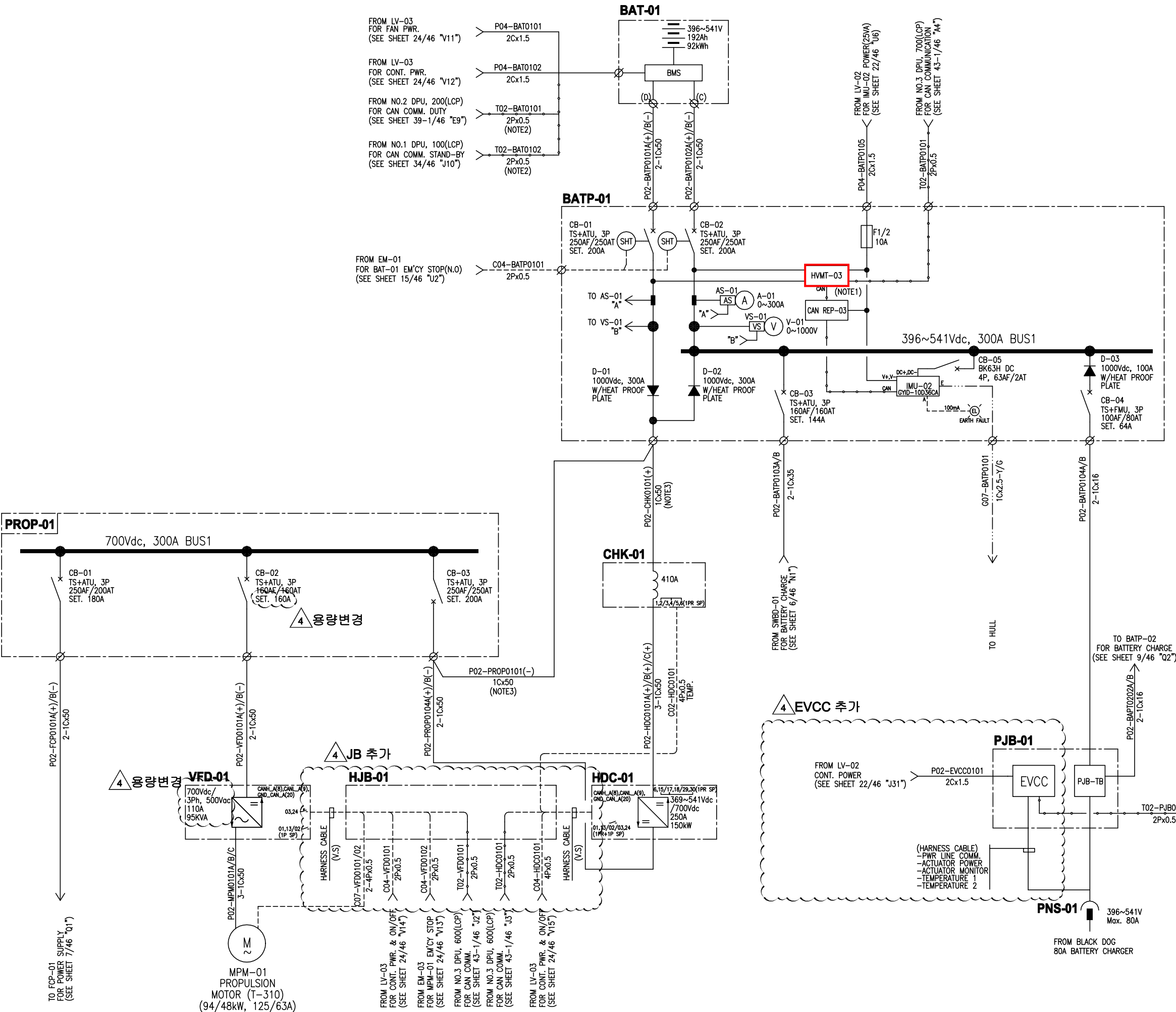
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NOTES

- HVMT 기능:
 - DC GRID PRE-CHARGE
 - DC GRID MONITORING
 - BATTERY CHARGE & DISCHARGE RELAY ON/OFF
 - ~~LDC, OBC ON/OFF, LDC 전압/전류 CONTROL~~
- DUTY & STAND-BY CABLE 전로는 분리하여 포설되어야 합니다.
- 배터리 정격용량에서 96kW 공급 가능하며, 배터리의 충전량에 따라 79.2kW에서 108.2kW까지 공급 가능합니다.

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전 기 계 통 도
[SLD FOR PROPULSION SYSTEM-1]

PROJECT NO.	DRAWING NO.	SHEET NO.	REV. NO.
HV010	HV010-E-003	8/46	4

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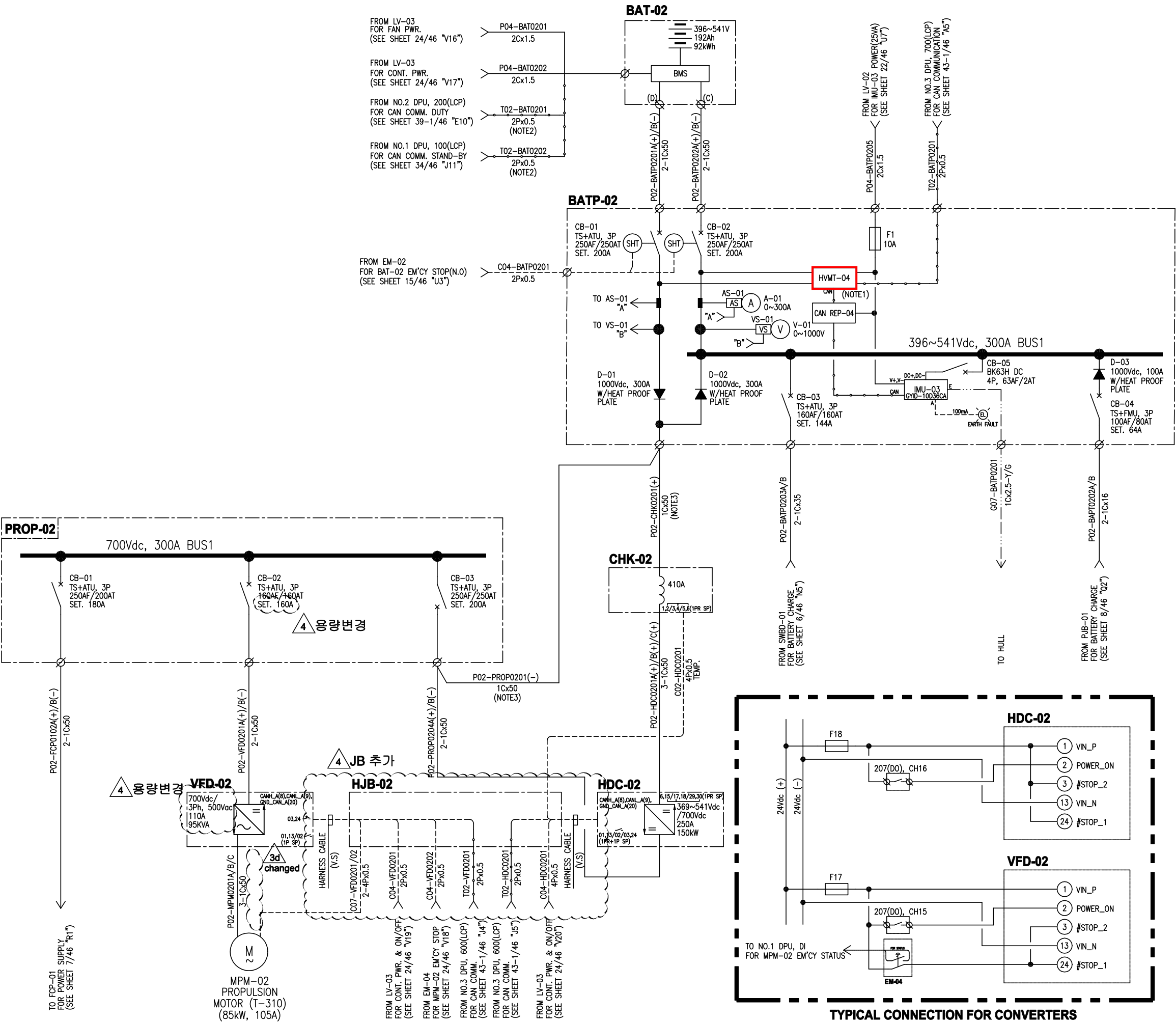
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NOTES

- HVMT 기능:
 - DC GRID PRE-CHARGE
 - DC GRID MONITORING
 - BATTERY CHARGE & DISCHARGE RELAY ON/OFF
 - ~~LDC, OBC ON/OFF, LDC 전압/전류 CONTROL~~
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- 배터리 정격용량에서 96kW 공급 가능하며, 배터리의 충전량에 따라 79.2kW에서 108.2kW까지 공급 가능합니다.

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전 기 계 통 도
[SLD FOR PROPULSION SYSTEM-2]

PROJECT NO.	DRAWING NO.	SHEET NO.	REV. NO.
HV010	HV010-E-003	9/46	4

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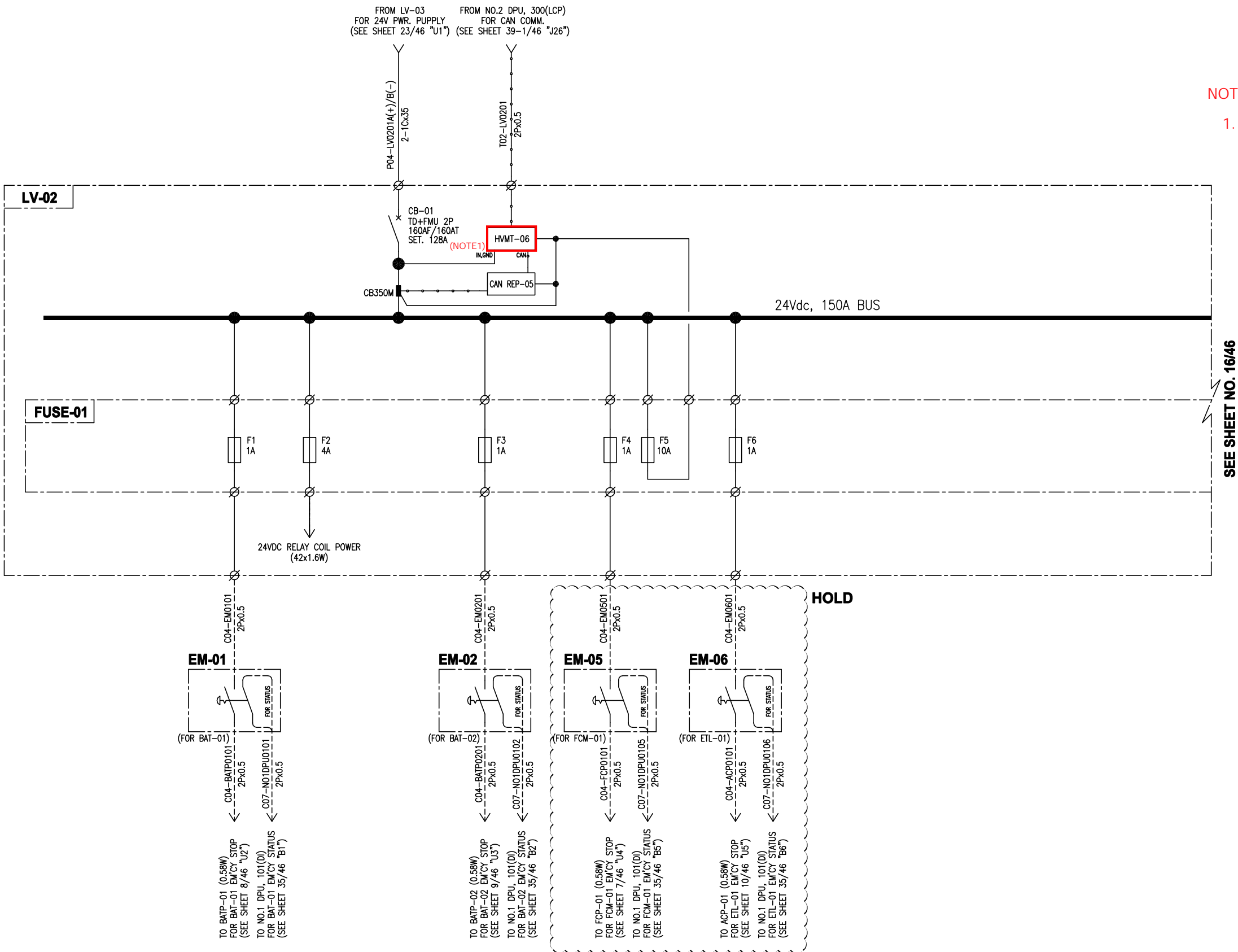
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NOTE

1. 0~30VDC

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전 기 계 통 도
[SLD FOR 24VDC, LV-02-1]

PROJECT NO.	DRAWING NO.	SHEET NO.	REV. NO.
HV010	HV010-E-003	15/46	4

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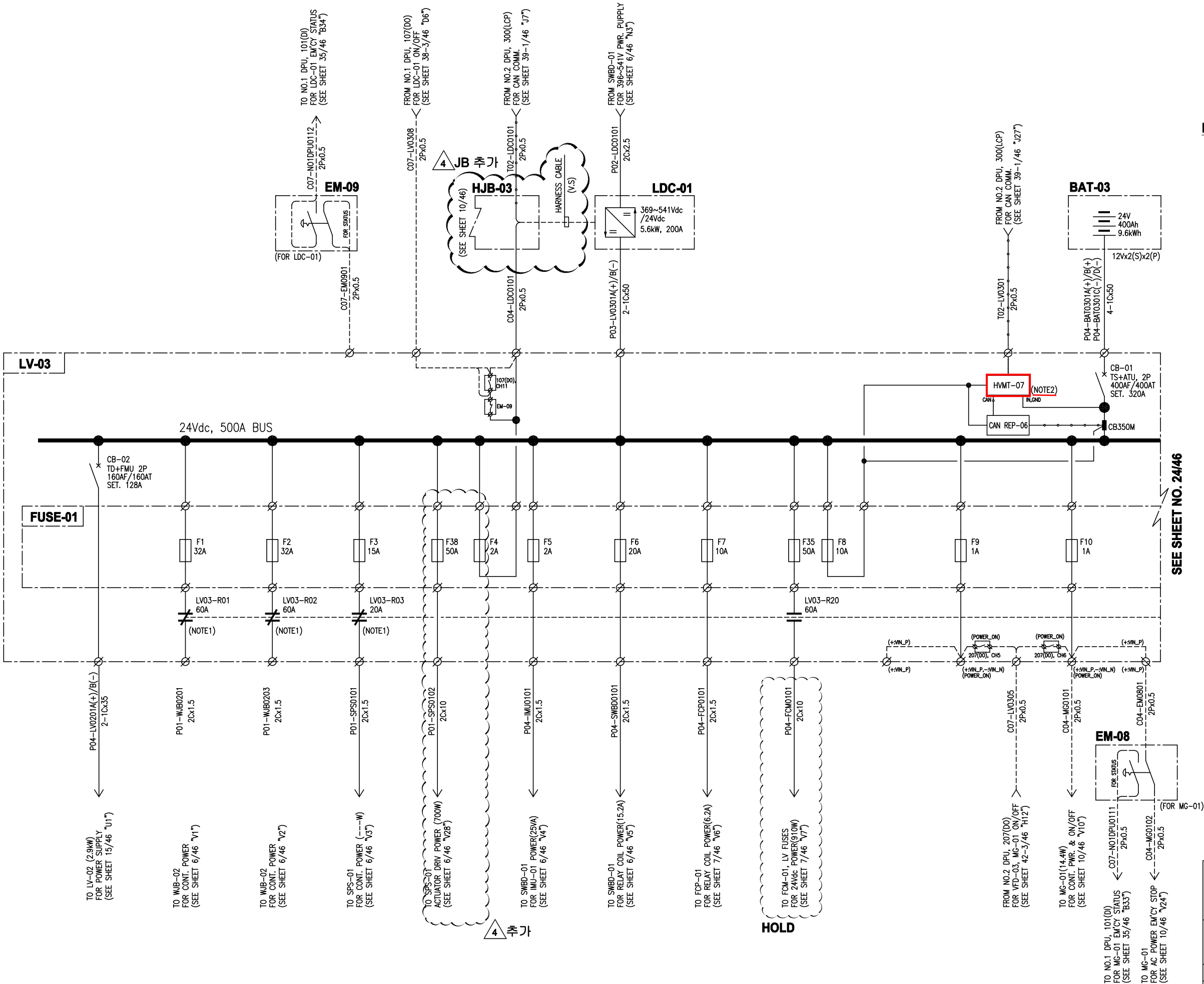
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NOTES

1. HV 배터리 만충 시 OFF 되고, WIND TURBINE 및 SOLAR PANEL 에서 생산된 에너지를 DC GRID에 전송하지 못하도록 각각의 CONTROL PANEL과 협조 제어 되어야 합니다. 배터리 SOC 50%면 ON 되어야 합니다.
2. 측정 범위를 0~30VDC로 배울 저장 조정 하세요.

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전 기 계 통 도
[SLD FOR 24VDC, LV-03-1]

PROJECT NO.	DRAWING NO.	SHEET NO.	REV. NO.
HV010	HV010-E-003	23/46	4

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