

CHAPTER

21

AIR CONDITIONING



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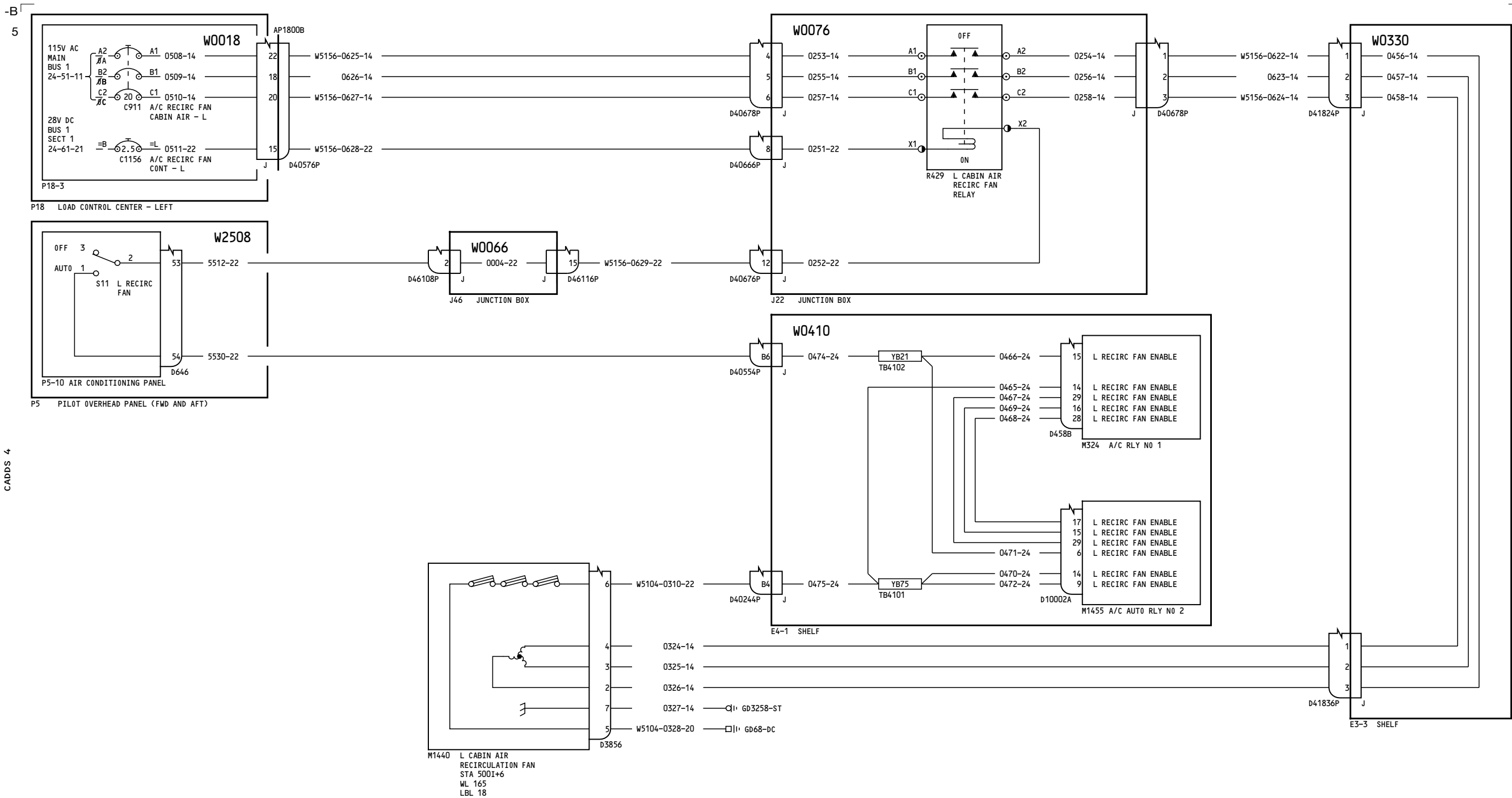
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YT101-YT103

CABIN AIR
RECIRCULATION SYSTEM

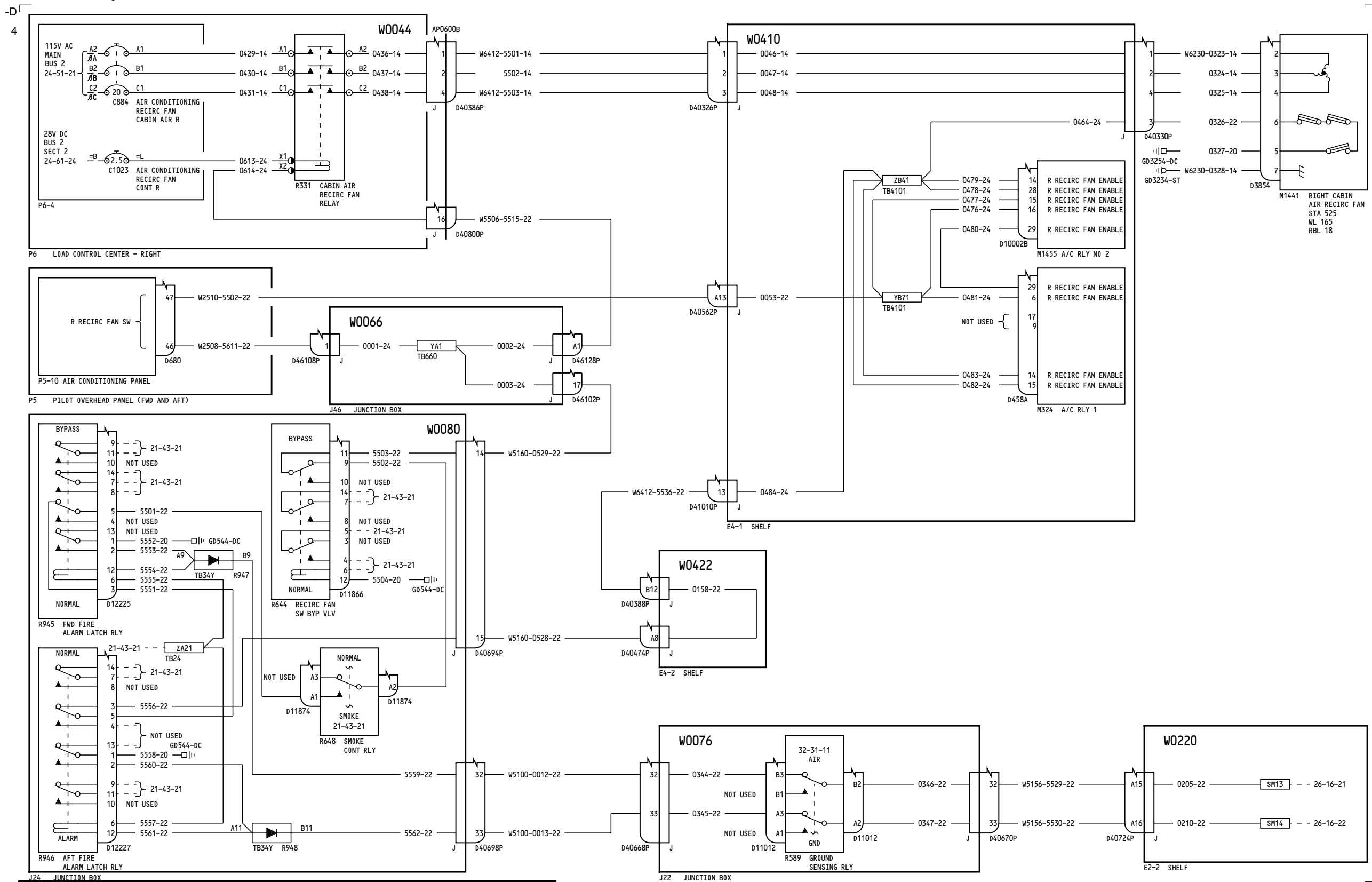
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YT101-YT103

CABIN AIR RECIRCULATION SYSTEM

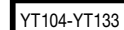
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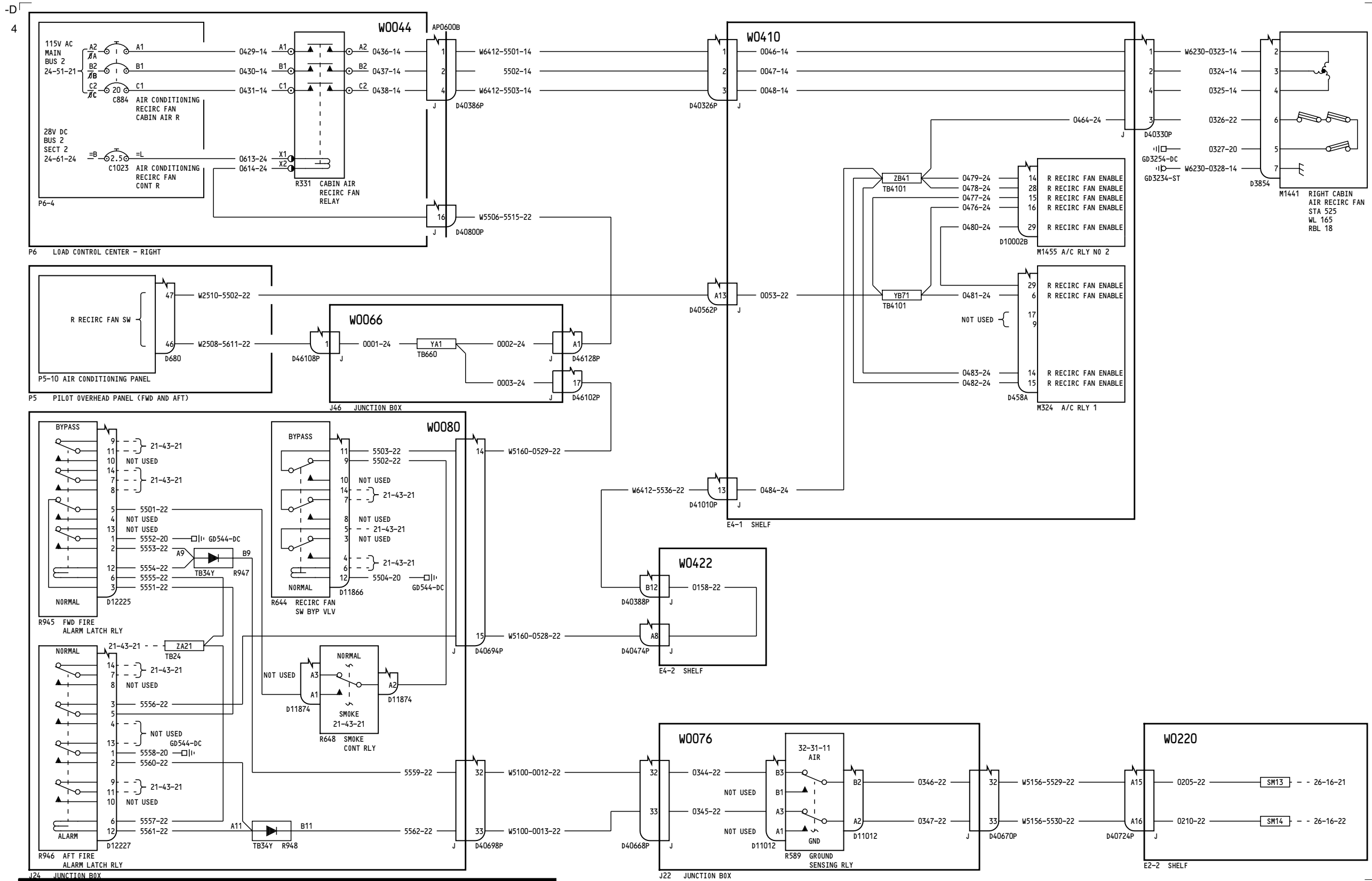


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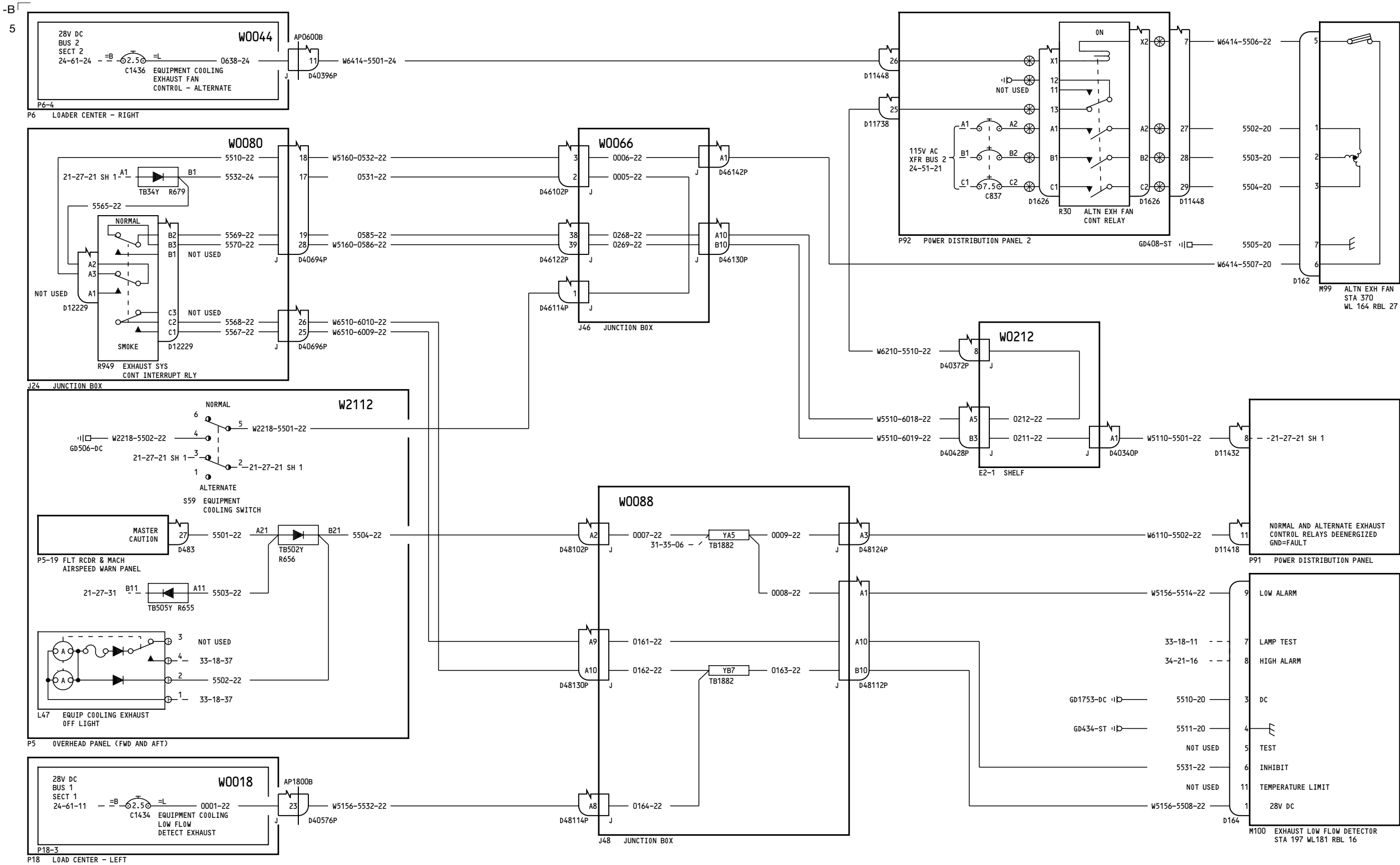
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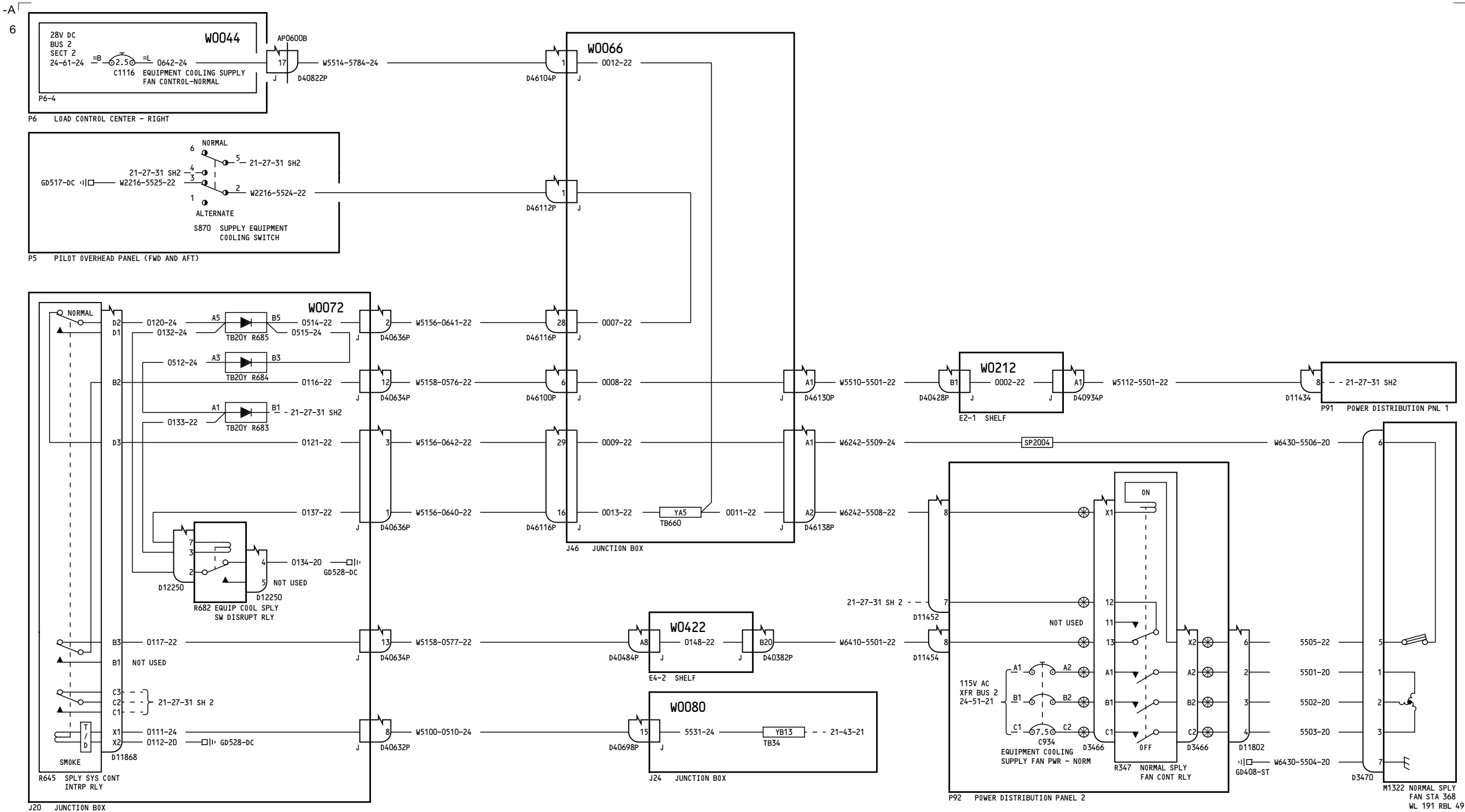
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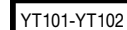
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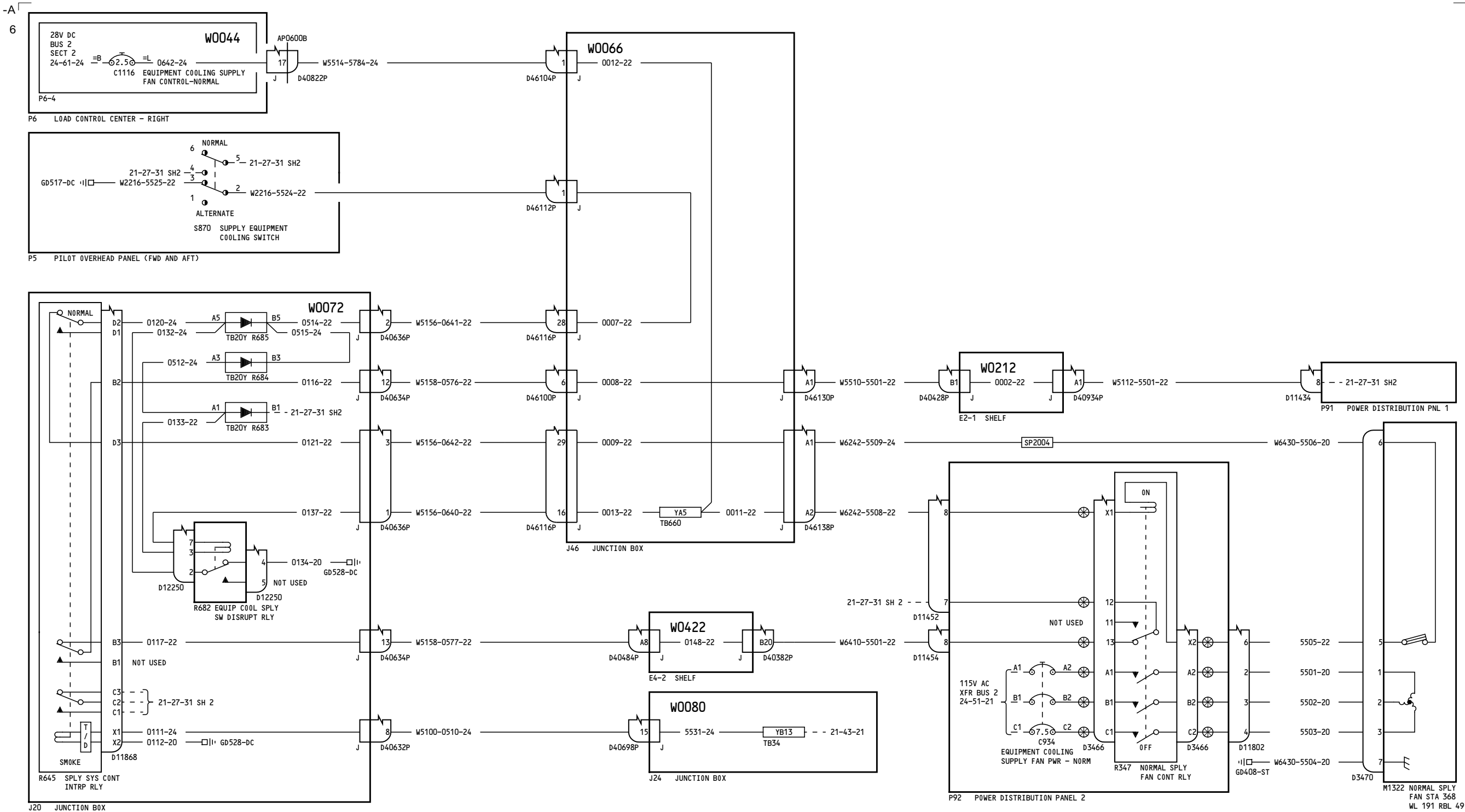
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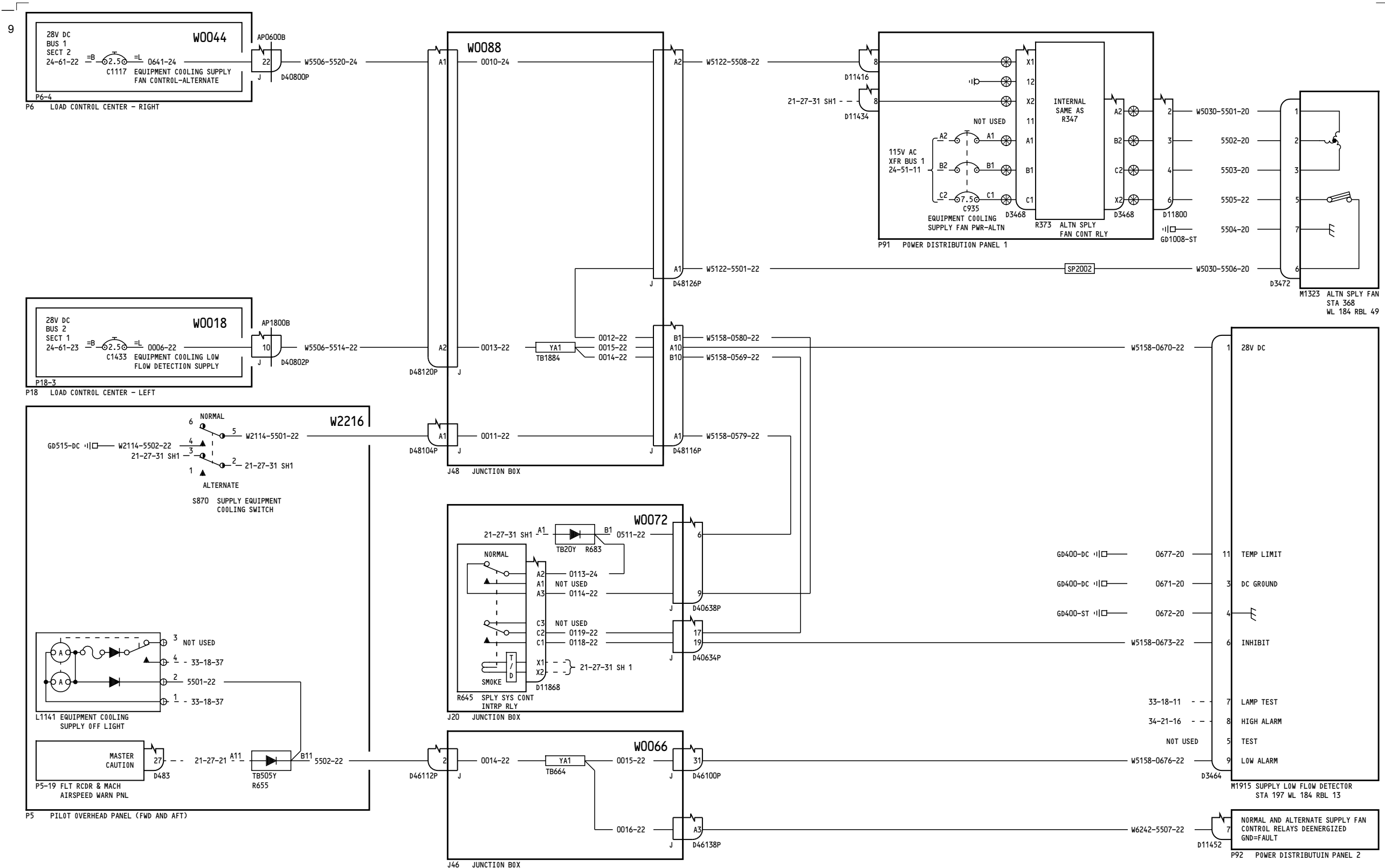
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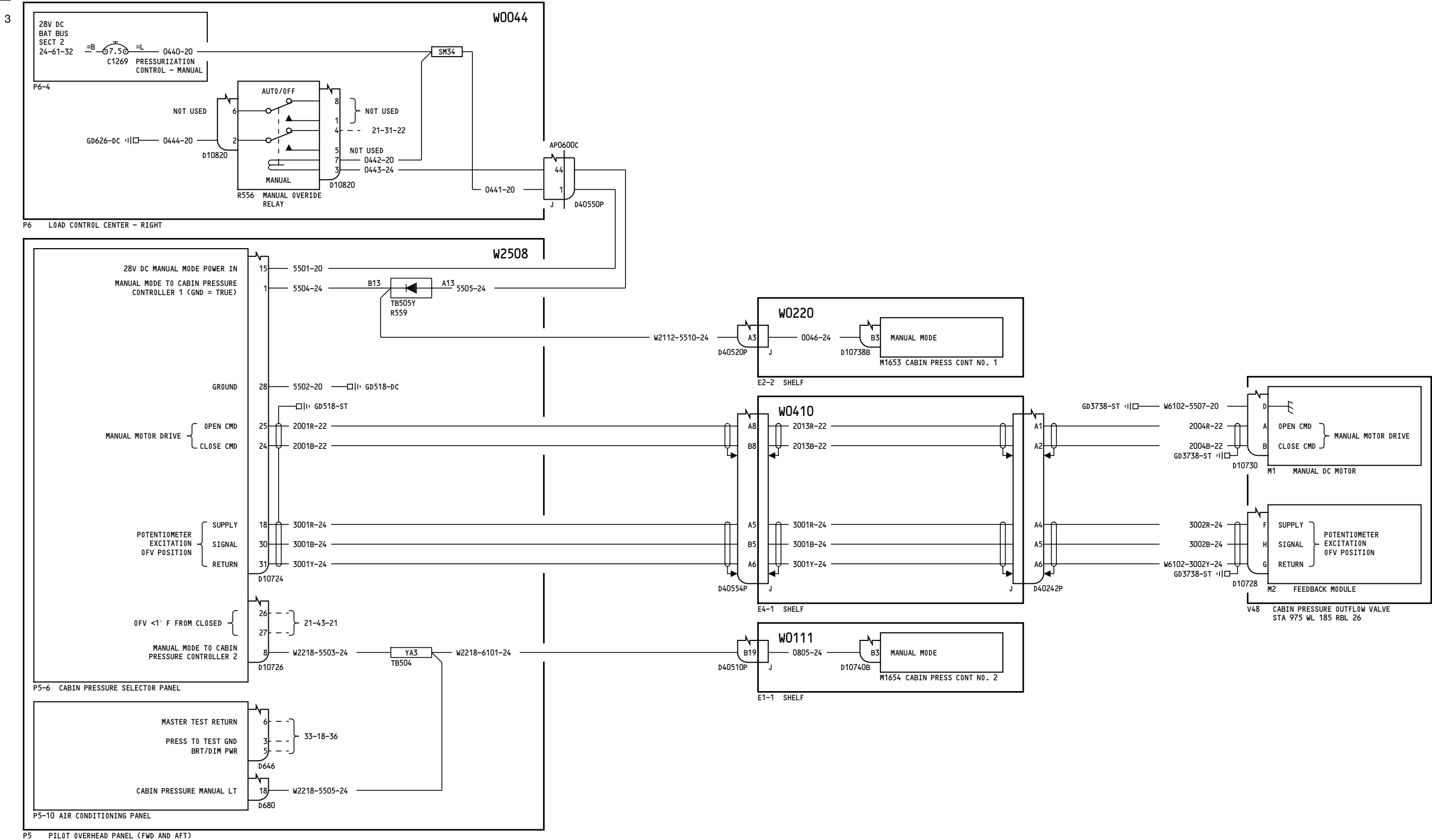
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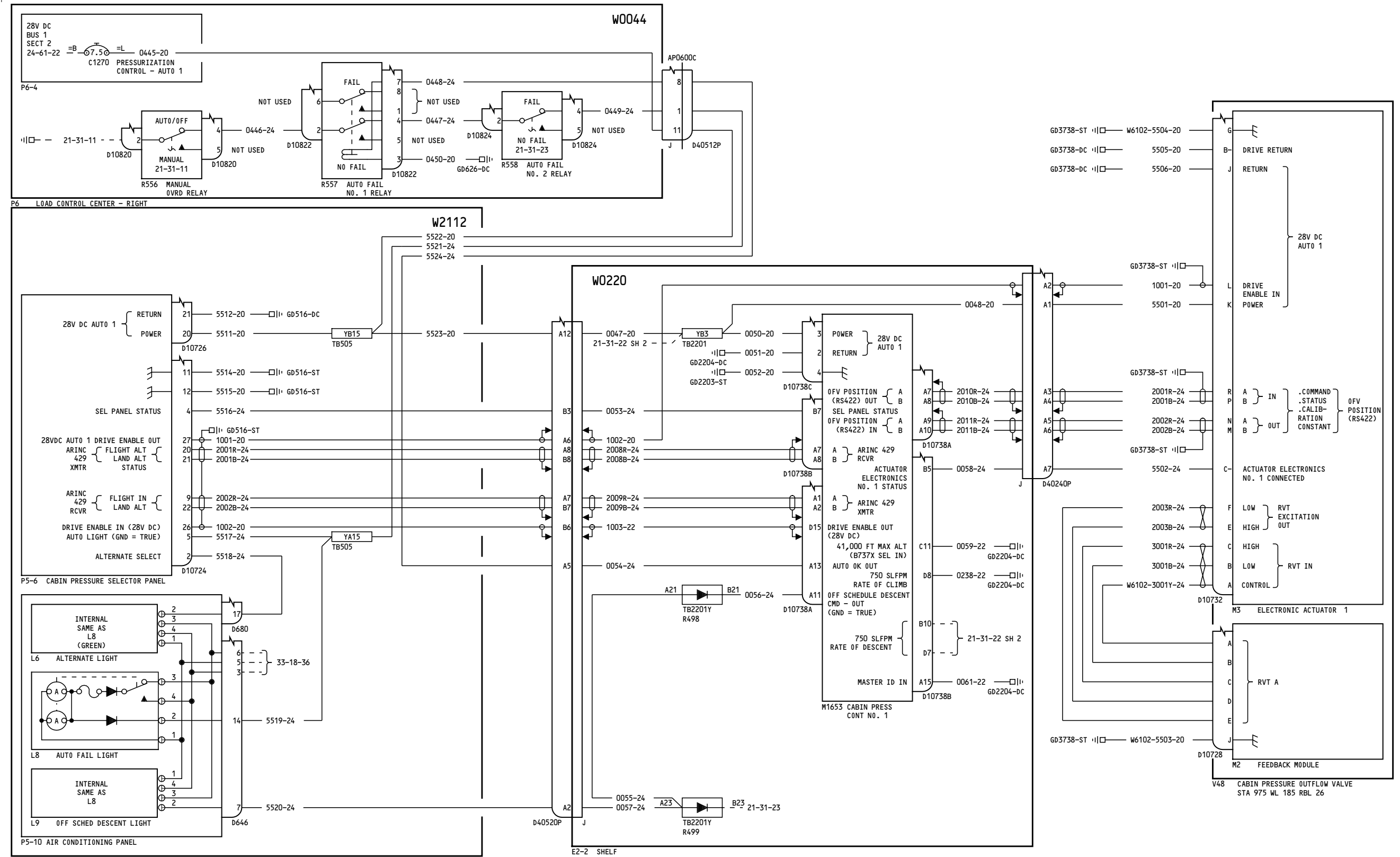
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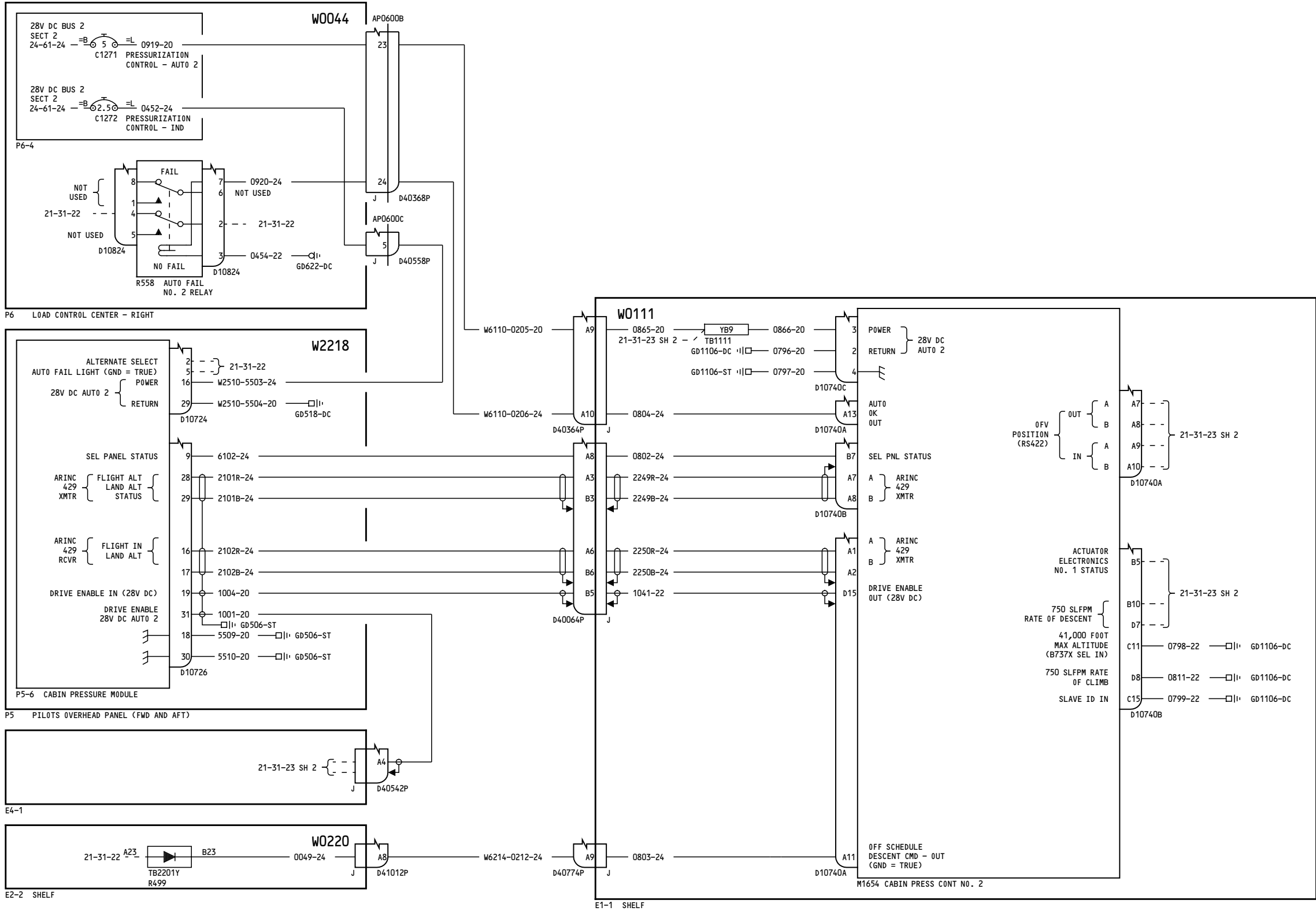
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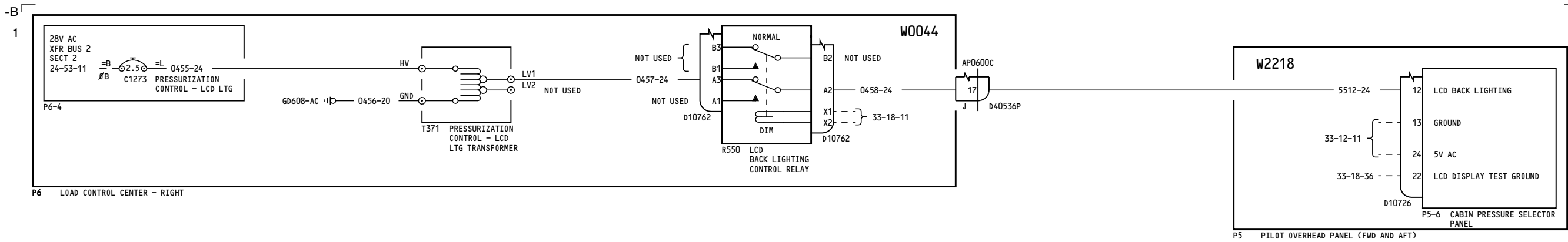
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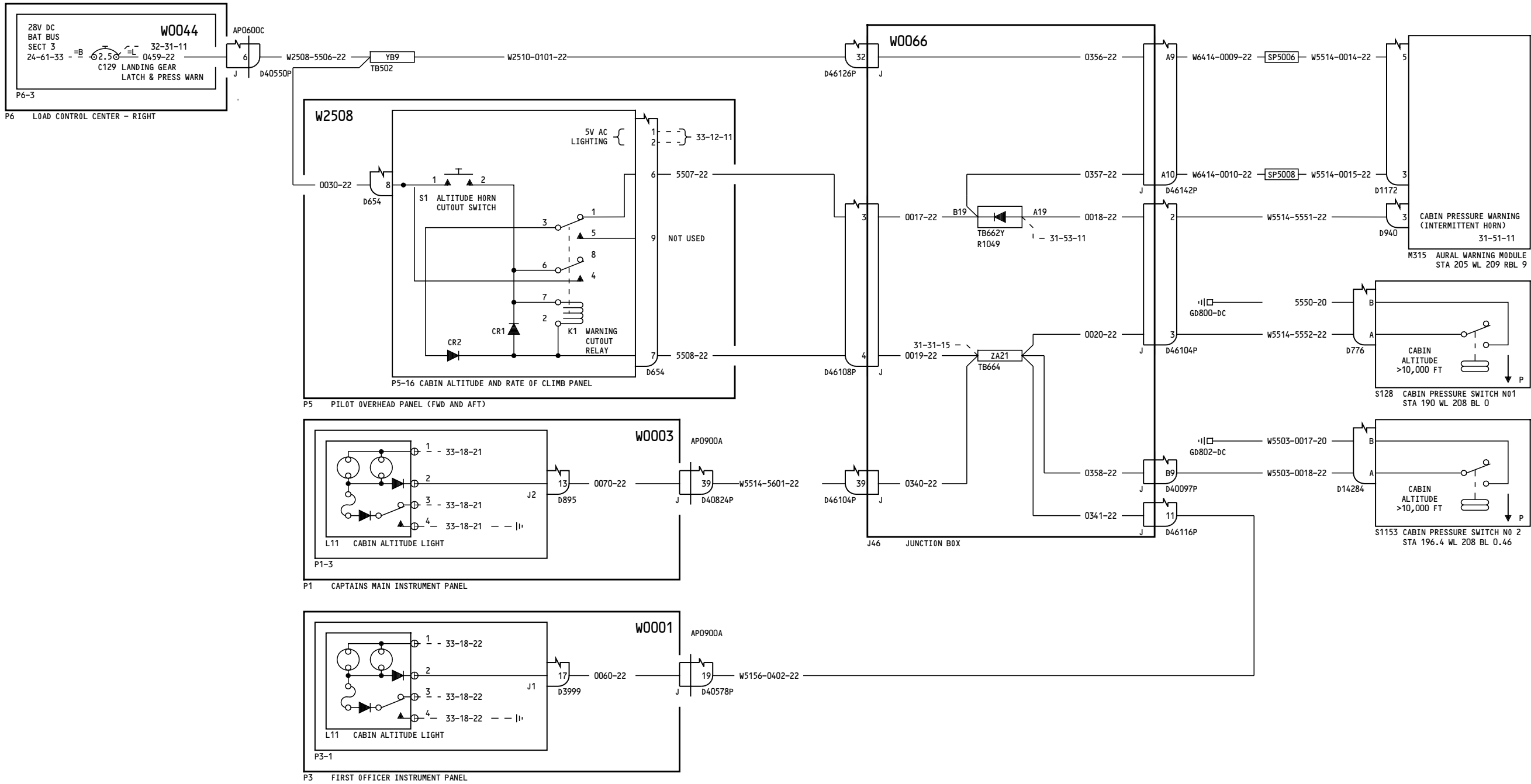
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CABIN PRESSURE WARNING

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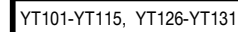
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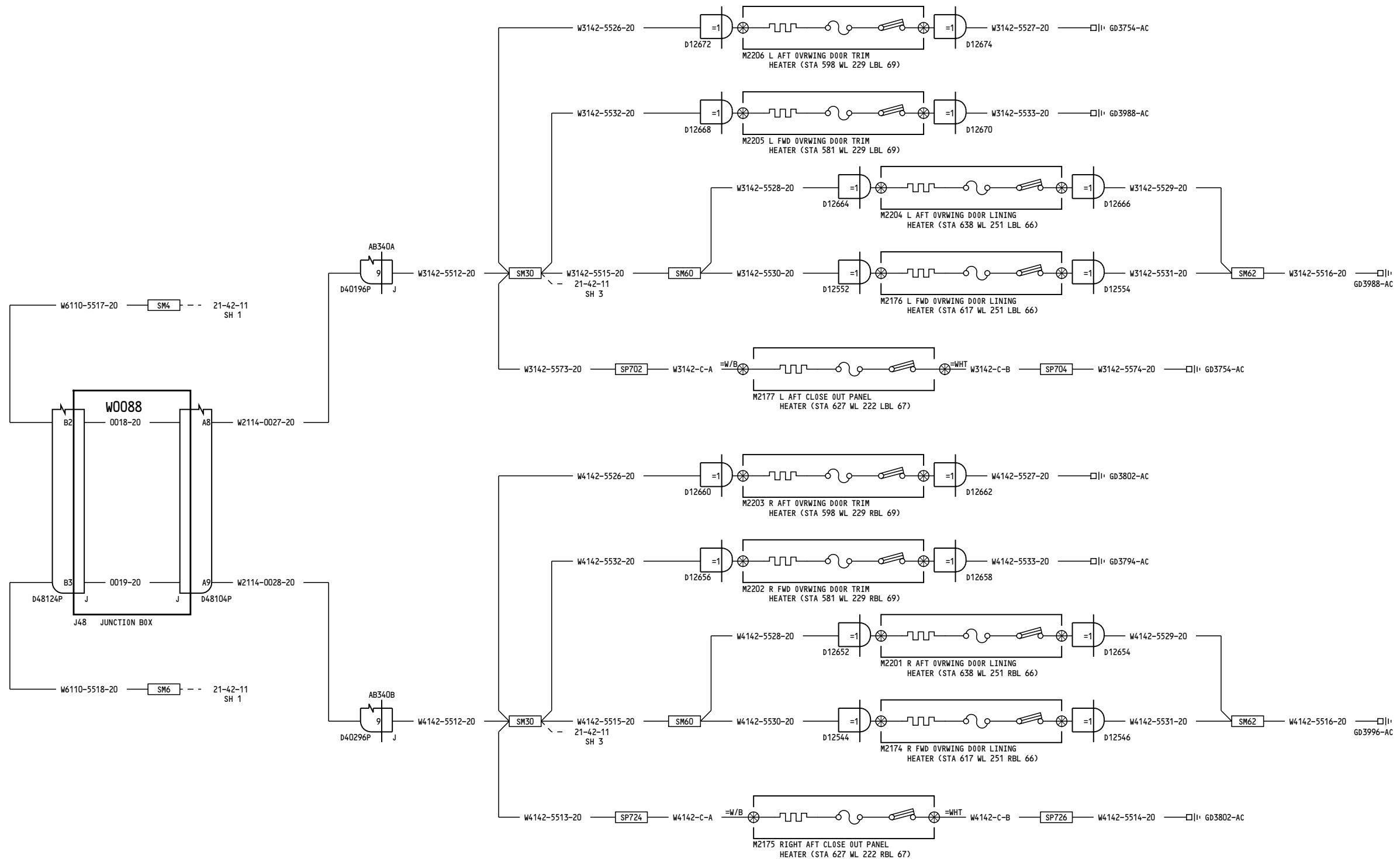
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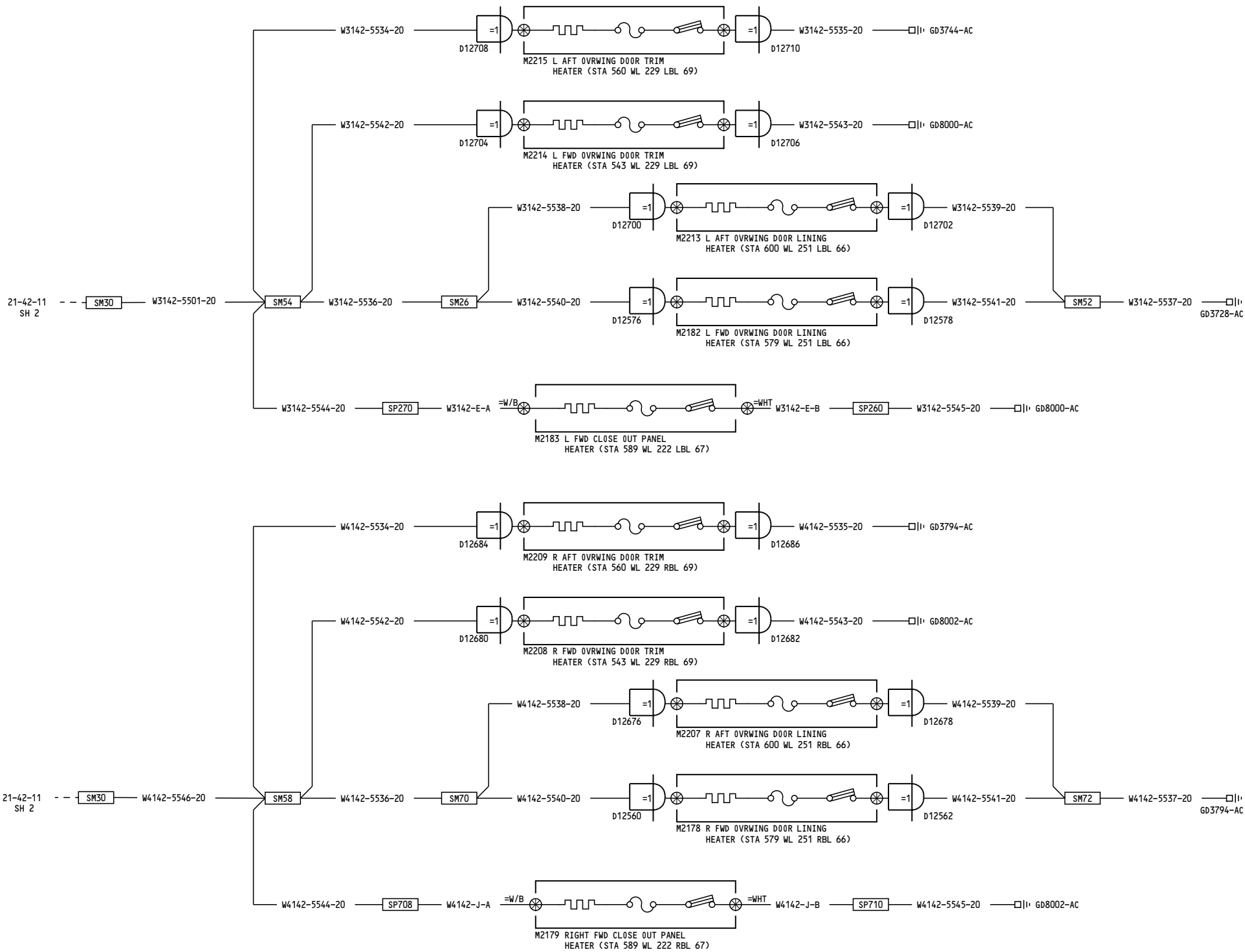
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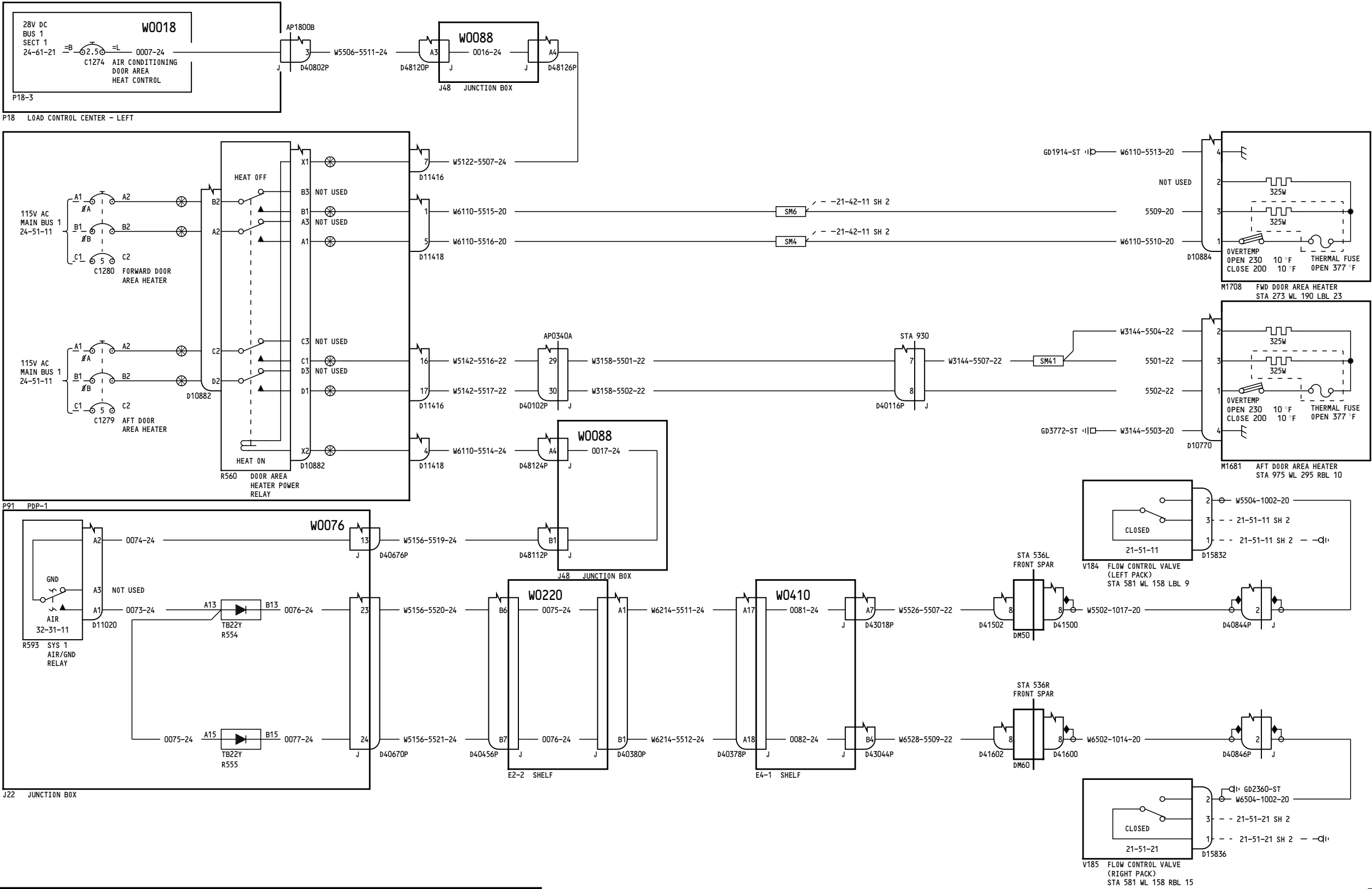
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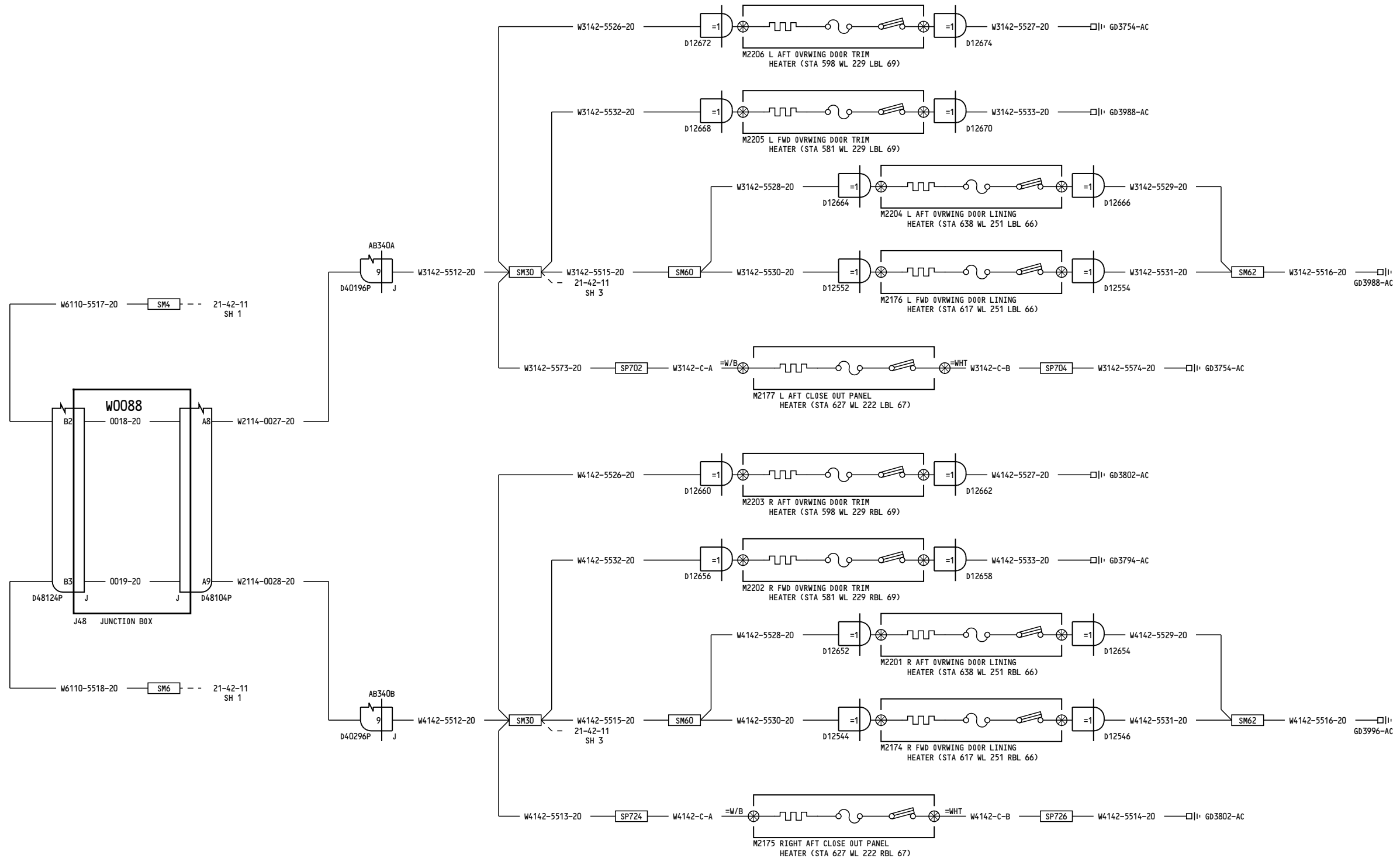
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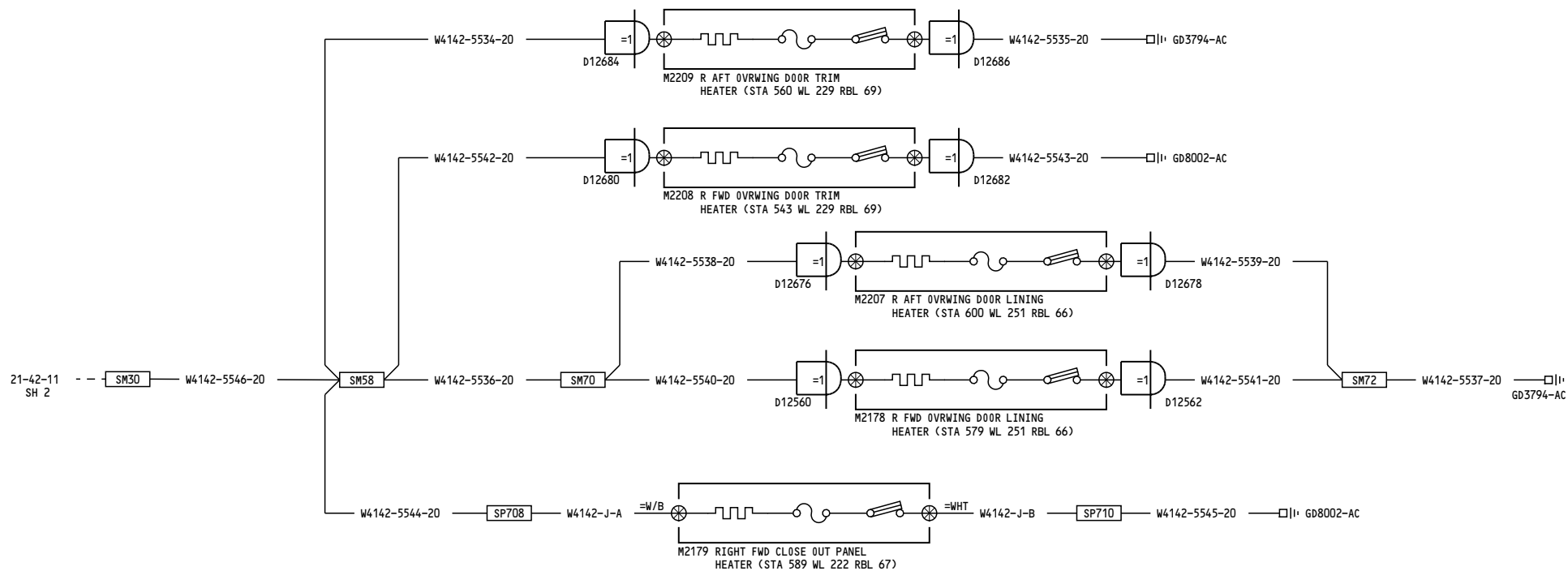
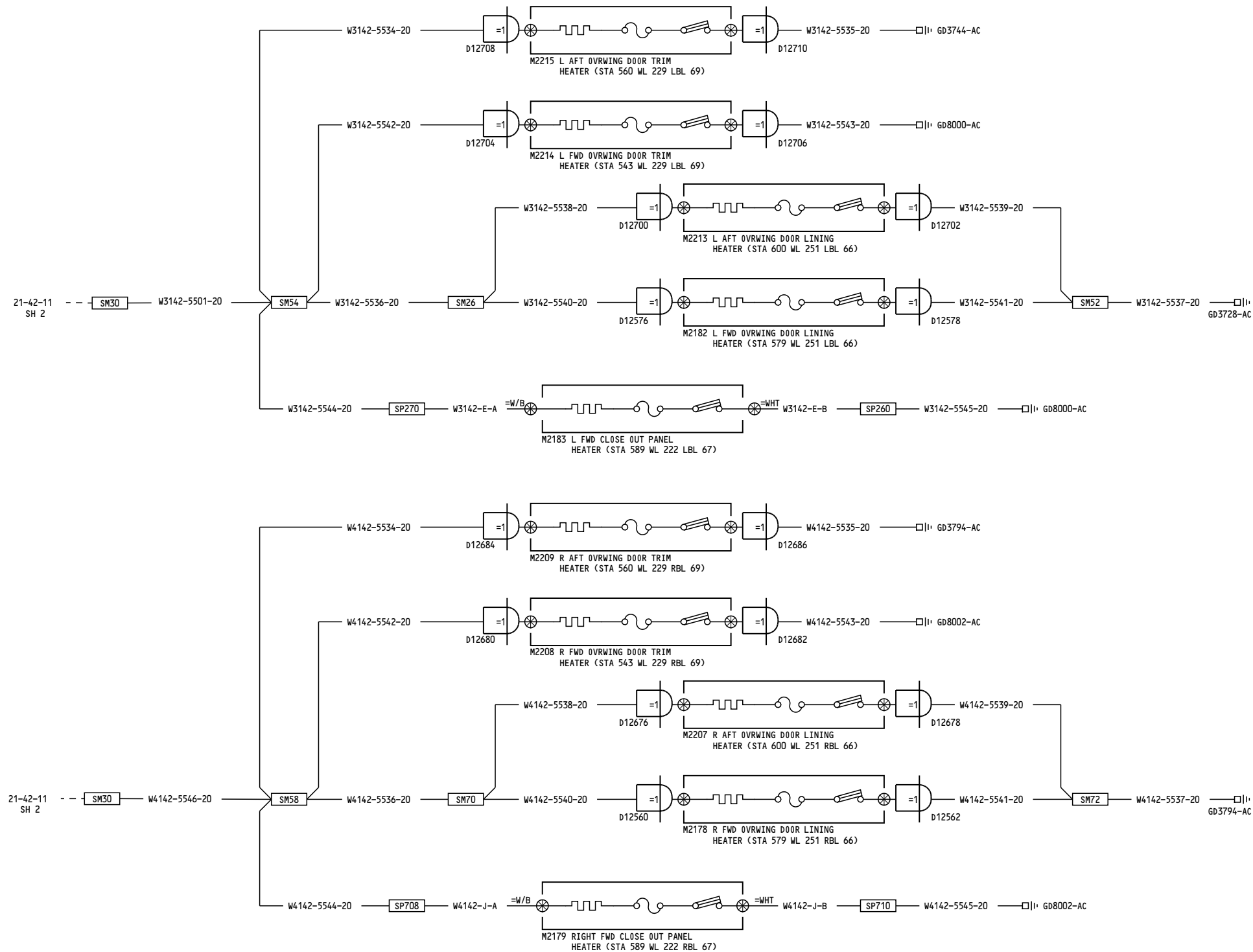
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YT116-YT120, YT132-YT133

DOOR AREA HEATERS

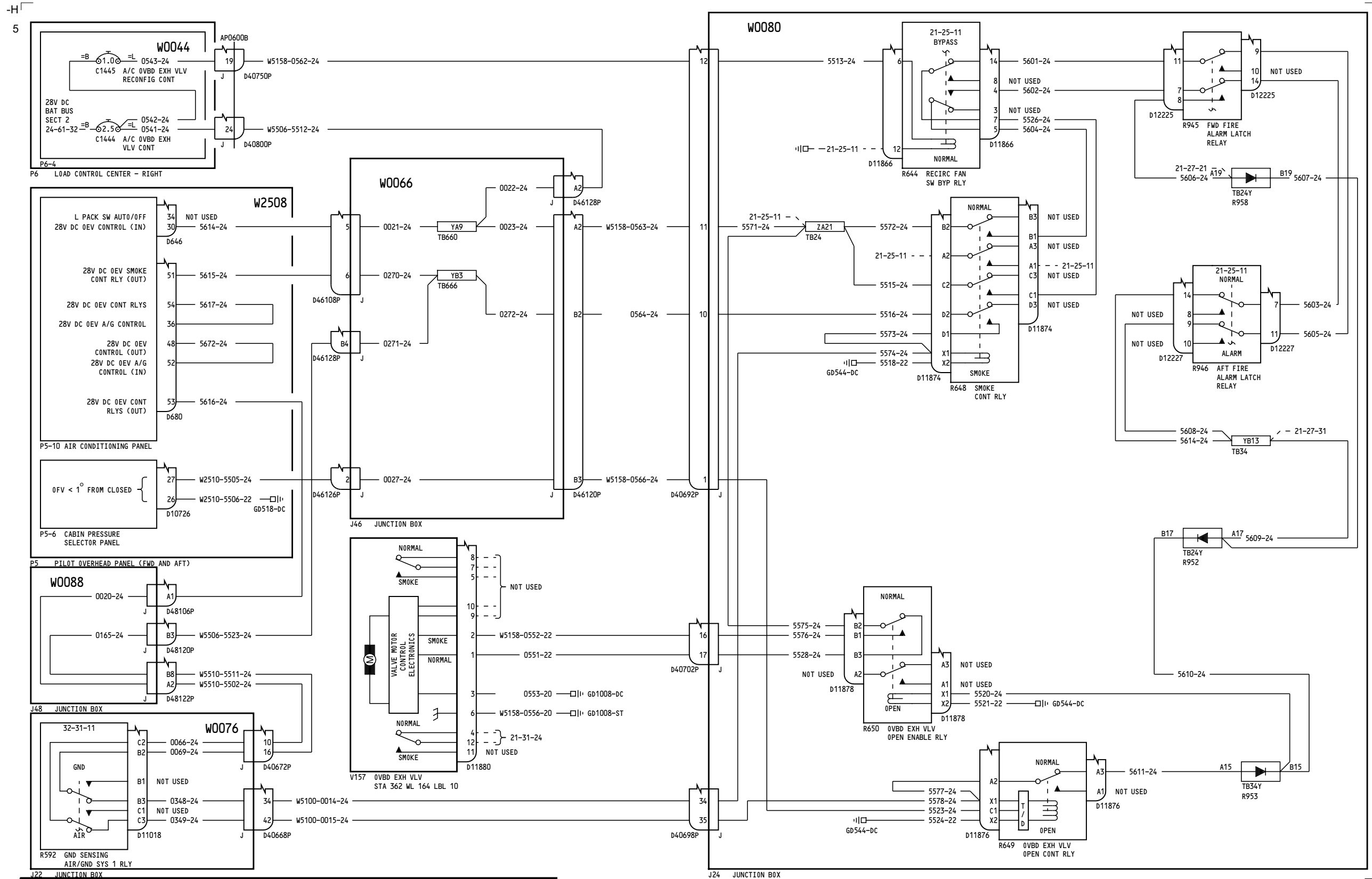
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ALL

OVERBOARD EXHAUST VALVE CONTROL

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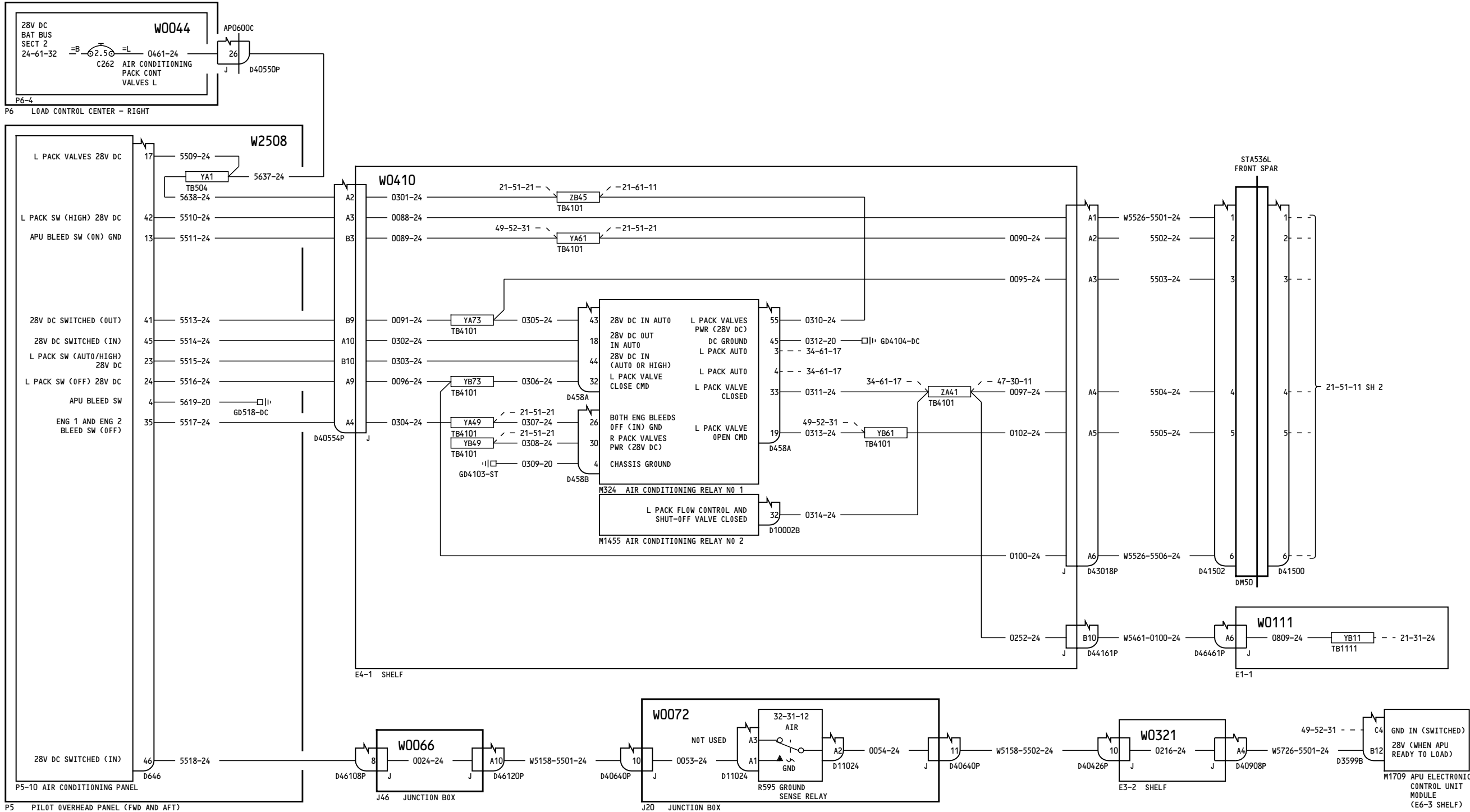
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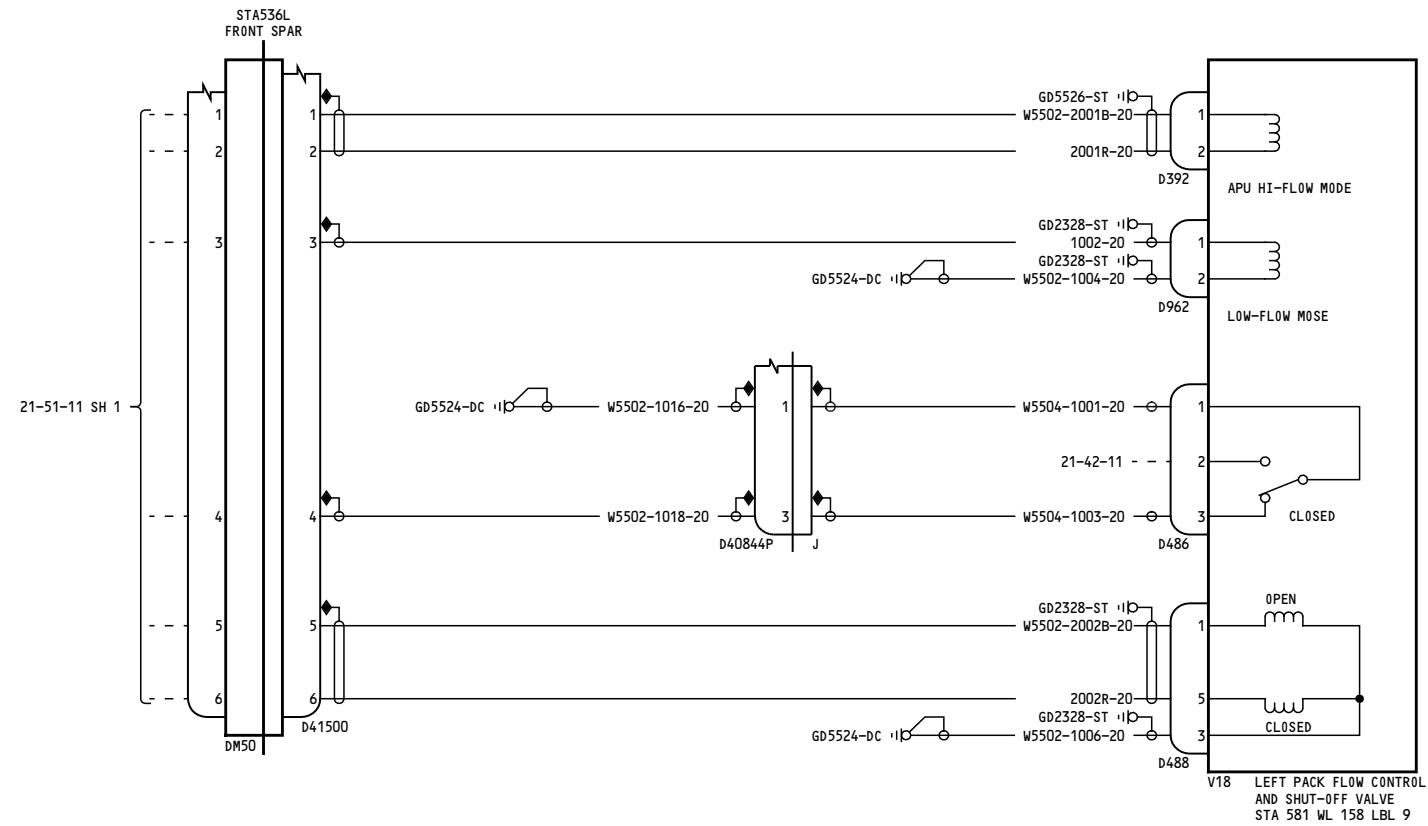
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YT101-YT103

LEFT PACK VALVE CONTROL

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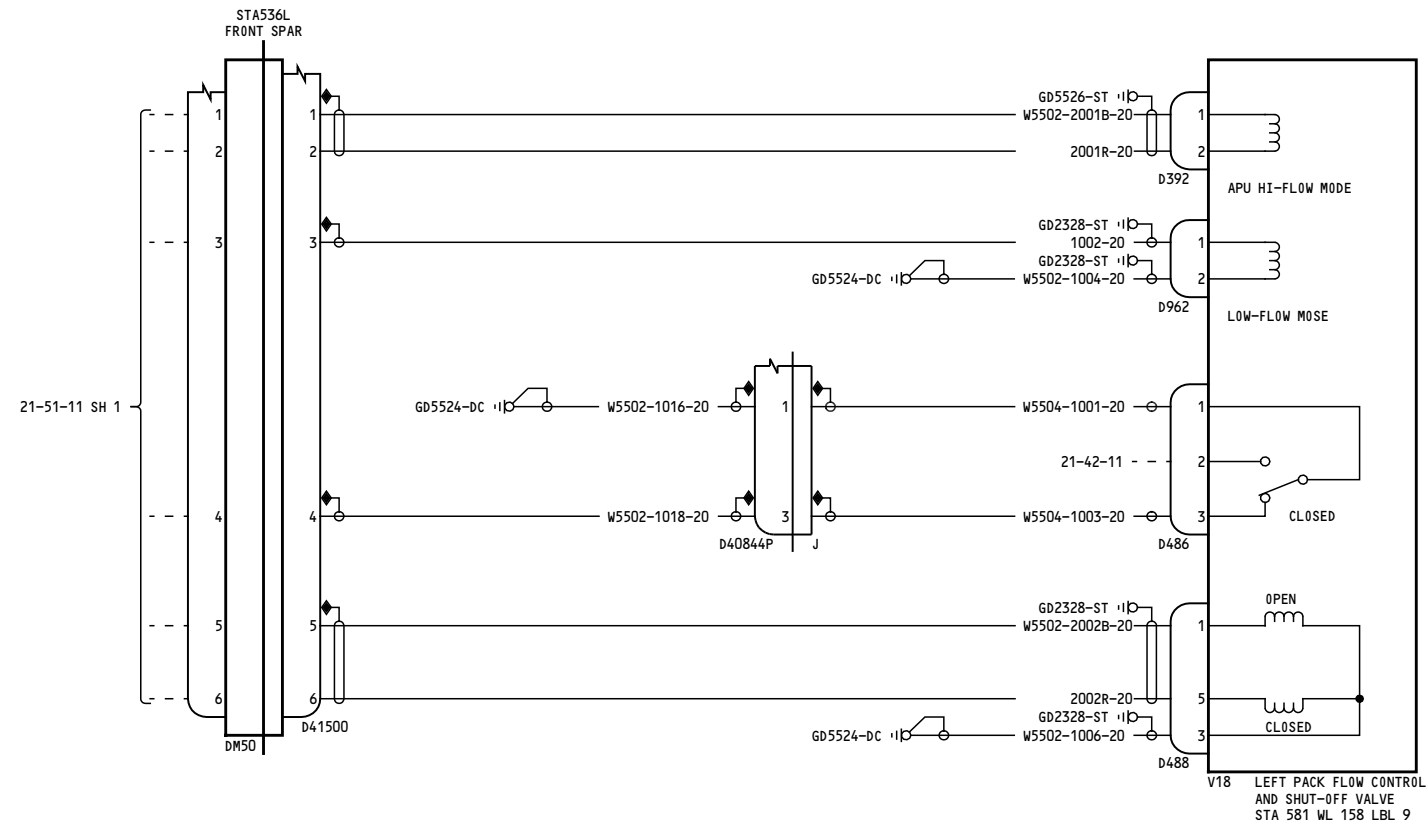
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YT104-YT115, YT126-YT131

LEFT PACK VALVE CONTROL

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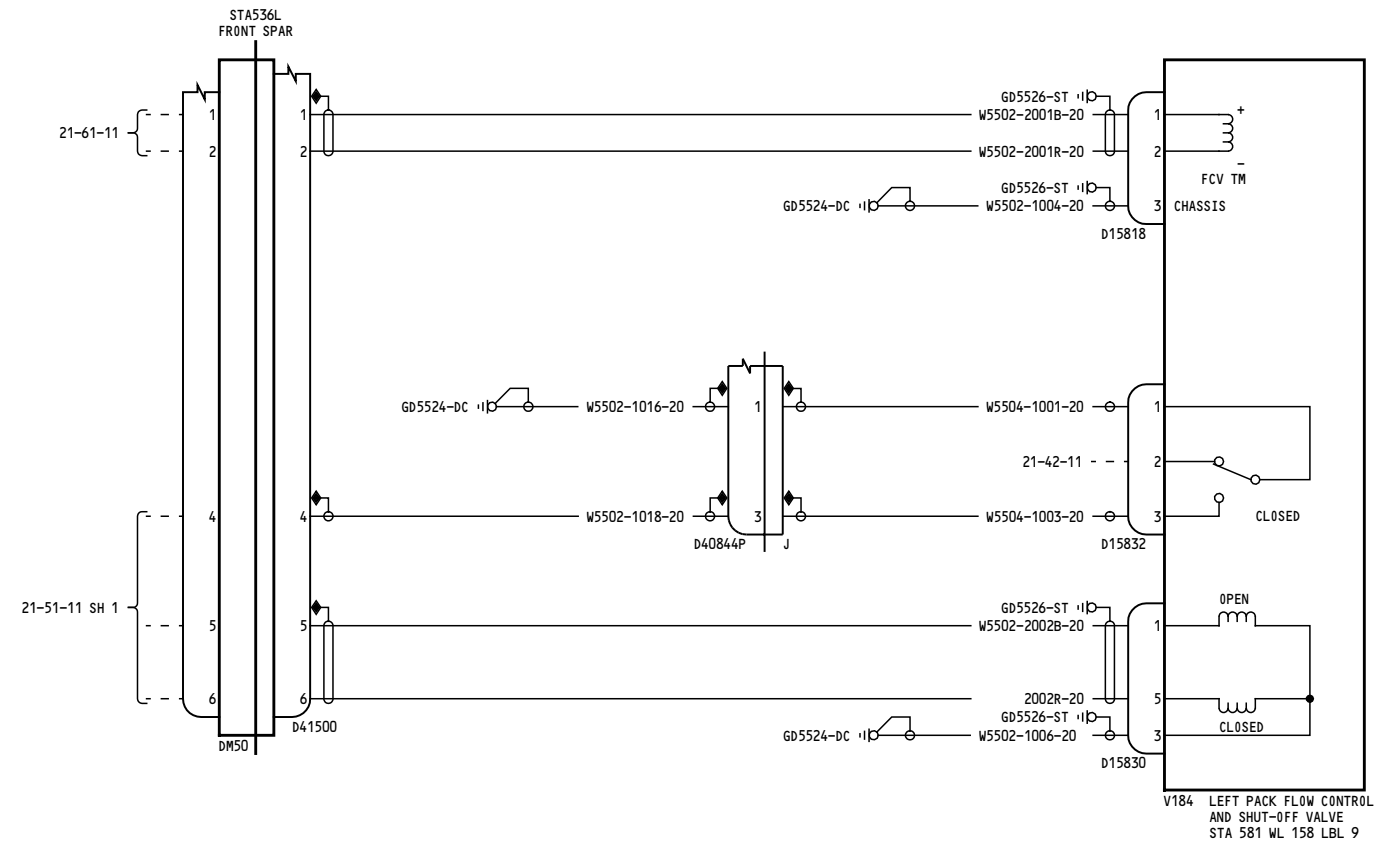
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YT116-YT120, YT132-YT133

LEFT PACK VALVE CONTROL

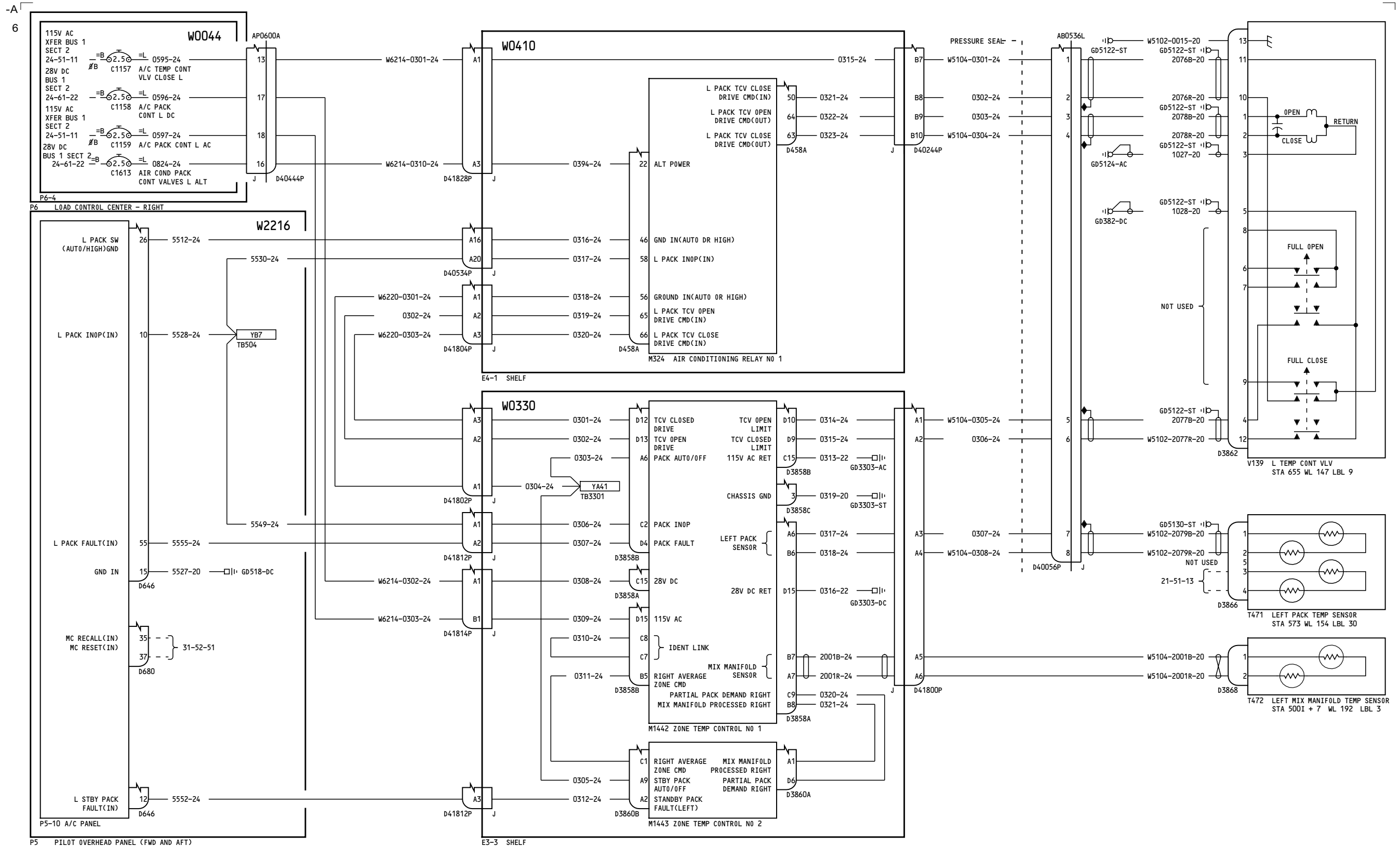
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YT101-YT103

LEFT AIR CONDITIONING PACK CONTROL - AUTO

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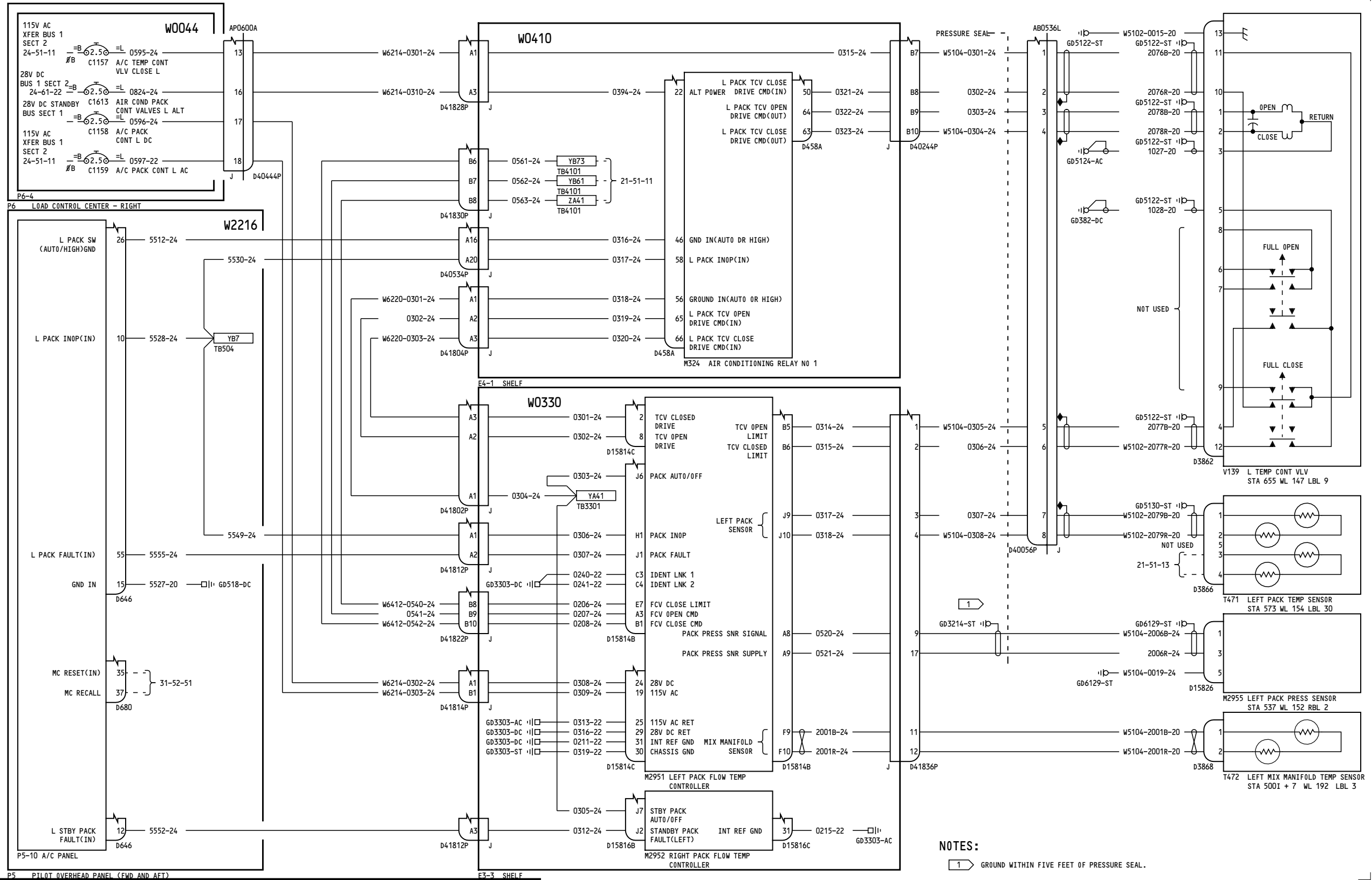
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YT116-YT120, YT132-YT133

LEFT AIR CONDITIONING PACK CONTROL - AUTO

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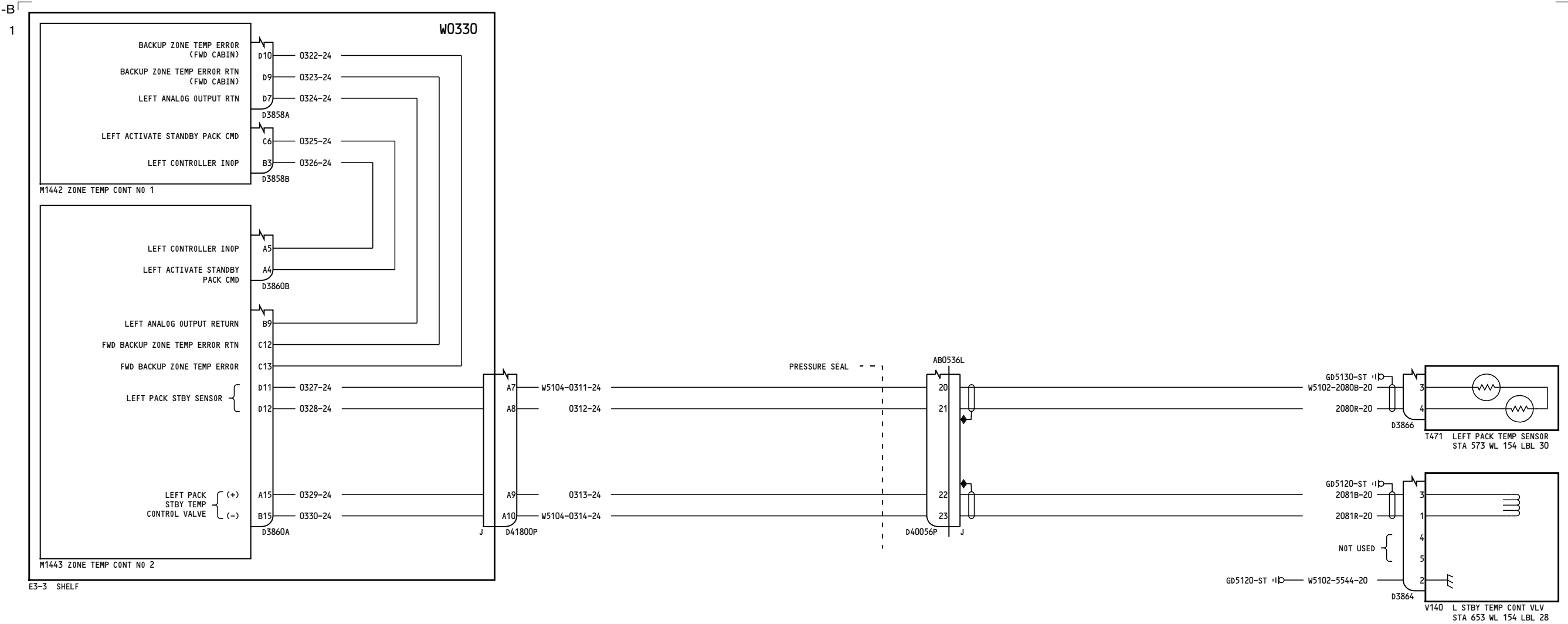
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The diagram illustrates the electrical wiring for the E3-3 Shelf, centered around the W0330 unit. It shows the following components and their connections:

- W0330 Unit:** The central hub with multiple pin headers (A11, B10, A12, B11, B12, D1, D2, D15814B, H14, H15, C14, C15, G14, G15, D14, D15, D15814B, G14, G15, D14, D15, D15814B, E14, E15, B15, B14, D15816B).
- PFS Elements:** PFS AMBIENT ELEMENT, PFS SIG RESISTOR 1, PFS HEATED ELEMENT, PFS SIG RESISTOR 2, PFS SIG RET, PFS HEATER DRIVE, PFS HEATER RET.
- RX Components:** RX CPC1+, ARINC 429 -, RX CPC2+, ARINC 429 -, RX ADRIU 1+, ARINC 429 -, RX ADRIU R+, ARINC 429 -.
- Flow Temperature Controllers:** M2951 LEFT PACK FLOW TEMP CONTROLLER and M2952 RIGHT PACK FLOW TEMP CONTROLLER.
- Front Spar:** AB536L FRONT SPAR with connections to W5104-0010-24, W5104-0011-24, W5104-0012-24, W5104-0013-24, W5104-0014-24, W5104-0015-24, W5104-0016-24, W5104-0017-24, W5104-0018-24, W5104-0019-24, W5104-0020-24, W5104-0021-24, W5104-0022-24, W5104-0023-24, W5104-0024-24, W5104-0025-24, W5104-0026-24, W5104-0027-24, W5104-0028-24, W5104-0029-24, W5104-0030-24, W5104-0031-24, W5104-0032-24, W5104-0033-24, W5104-0034-24, W5104-0035-24, W5104-0036-24, W5104-0037-24, W5104-0038-24, W5104-0039-24, W5104-0040-24, W5104-0041-24, W5104-0042-24, W5104-0043-24, W5104-0044-24, W5104-0045-24, W5104-0046-24, W5104-0047-24, W5104-0048-24, W5104-0049-24, W5104-0050-24, W5104-0051-24, W5104-0052-24, W5104-0053-24, W5104-0054-24, W5104-0055-24, W5104-0056-24, W5104-0057-24, W5104-0058-24, W5104-0059-24, W5104-0060-24, W5104-0061-24, W5104-0062-24, W5104-0063-24, W5104-0064-24, W5104-0065-24, W5104-0066-24, W5104-0067-24, W5104-0068-24, W5104-0069-24, W5104-0070-24, W5104-0071-24, W5104-0072-24, W5104-0073-24, W5104-0074-24, W5104-0075-24, W5104-0076-24, W5104-0077-24, W5104-0078-24, W5104-0079-24, W5104-0080-24, W5104-0081-24, W5104-0082-24, W5104-0083-24, W5104-0084-24, W5104-0085-24, W5104-0086-24, W5104-0087-24, W5104-0088-24, W5104-0089-24, W5104-0090-24, W5104-0091-24, W5104-0092-24, W5104-0093-24, W5104-0094-24, W5104-0095-24, W5104-0096-24, W5104-0097-24, W5104-0098-24, W5104-0099-24, W5104-0100-24, W5104-0101-24, W5104-0102-24, W5104-0103-24, W5104-0104-24, W5104-0105-24, W5104-0106-24, W5104-0107-24, W5104-0108-24, W5104-0109-24, W5104-0110-24, W5104-0111-24, W5104-0112-24, W5104-0113-24, W5104-0114-24, W5104-0115-24, W5104-0116-24, W5104-0117-24, W5104-0118-24, W5104-0119-24, W5104-0120-24, W5104-0121-24, W5104-0122-24, W5104-0123-24, W5104-0124-24, W5104-0125-24, W5104-0126-24, W5104-0127-24, W5104-0128-24, W5104-0129-24, W5104-0130-24, W5104-0131-24, W5104-0132-24, W5104-0133-24, W5104-0134-24, W5104-0135-24, W5104-0136-24, W5104-0137-24, W5104-0138-24, W5104-0139-24, W5104-0140-24, W5104-0141-24, W5104-0142-24, W5104-0143-24, W5104-0144-24, W5104-0145-24, W5104-0146-24, W5104-0147-24, W5104-0148-24, W5104-0149-24, W5104-0150-24, W5104-0151-24, W5104-0152-24, W5104-0153-24, W5104-0154-24, W5104-0155-24, W5104-0156-24, W5104-0157-24, W5104-0158-24, W5104-0159-24, W5104-0160-24, W5104-0161-24, W5104-0162-24, W5104-0163-24, W5104-0164-24, W5104-0165-24, W5104-0166-24, W5104-0167-24, W5104-0168-24, W5104-0169-24, W5104-0170-24, W5104-0171-24, W5104-0172-24, W5104-0173-24, W5104-0174-24, W5104-0175-24, W5104-0176-24, W5104-0177-24, W5104-0178-24, W5104-0179-24, W5104-0180-24, W5104-0181-24, W5104-0182-24, W5104-0183-24, W5104-0184-24, W5104-0185-24, W5104-0186-24, W5104-0187-24, W5104-0188-24, W5104-0189-24, W5104-0190-24, W5104-0191-24, W5104-0192-24, W5104-0193-24, W5104-0194-24, W5104-0195-24, W5104-0196-24, W5104-0197-24, W5104-0198-24, W5104-0199-24, W5104-0200-24, W5104-0201-24, W5104-0202-24, W5104-0203-24, W5104-0204-24, W5104-0205-24, W5104-0206-24, W5104-0207-24, W5104-0208-24, W5104-0209-24, W5104-0210-24, W5104-0211-24, W5104-0212-24, W5104-0213-24, W5104-0214-24, W5104-0215-24, W5104-0216-24, W5104-0217-24, W5104-0218-24, W5104-0219-24, W5104-0220-24, W5104-0221-24, W5104-0222-24, W5104-0223-24, W5104-0224-24, W5104-0225-24, W5104-0226-24, W5104-0227-24, W5104-0228-24, W5104-0229-24, W5104-0230-24, W5104-0231-24, W5104-0232-24, W5104-0233-24, W5104-0234-24, W5104-0235-24, W5104-0236-24, W5104-0237-24, W5104-0238-24, W5104-0239-24, W5104-0240-24, W5104-0241-24, W5104-0242-24, W5104-0243-24, W5104-0244-24, W5104-0245-24, W5104-0246-24, W5104-0247-24, W5104-0248-24, W5104-0249-24, W5104-0250-24, W5104-0251-24, W5104-0252-24, W5104-0253-24, W5104-0254-24, W5104-0255-24, W5104-0256-24, W5104-0257-24, W5104-0258-24, W5104-0259-24, W5104-0260-24, W5104-0261-24, W5104-



YT101-YT103

LEFT AIR CONDITIONING
PACK CONTROL STANDBY

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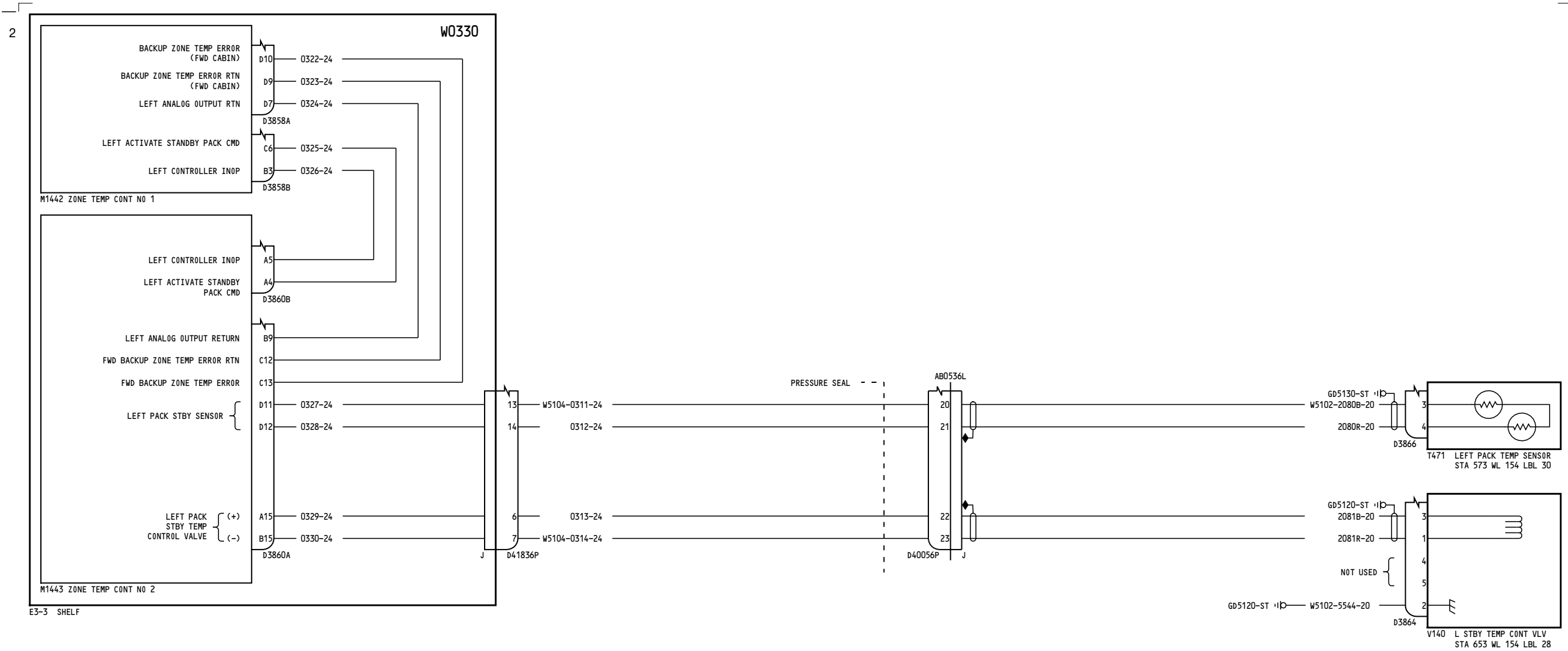
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YT104-YT115, YT126-YT131

**LEFT AIR CONDITIONING
PACK CONTROL STANDBY**

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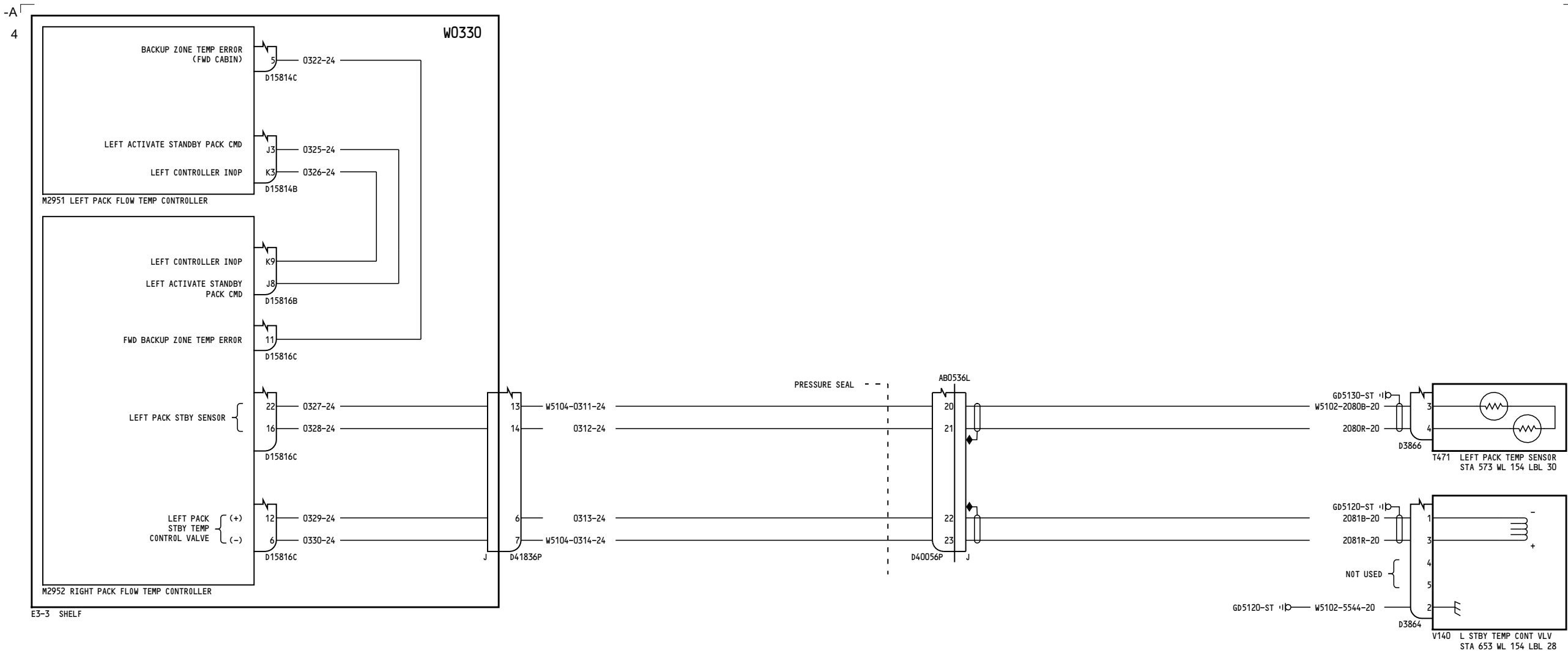
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YT116-YT120, YT132-YT133

**LEFT AIR CONDITIONING
PACK CONTROL STANDBY**

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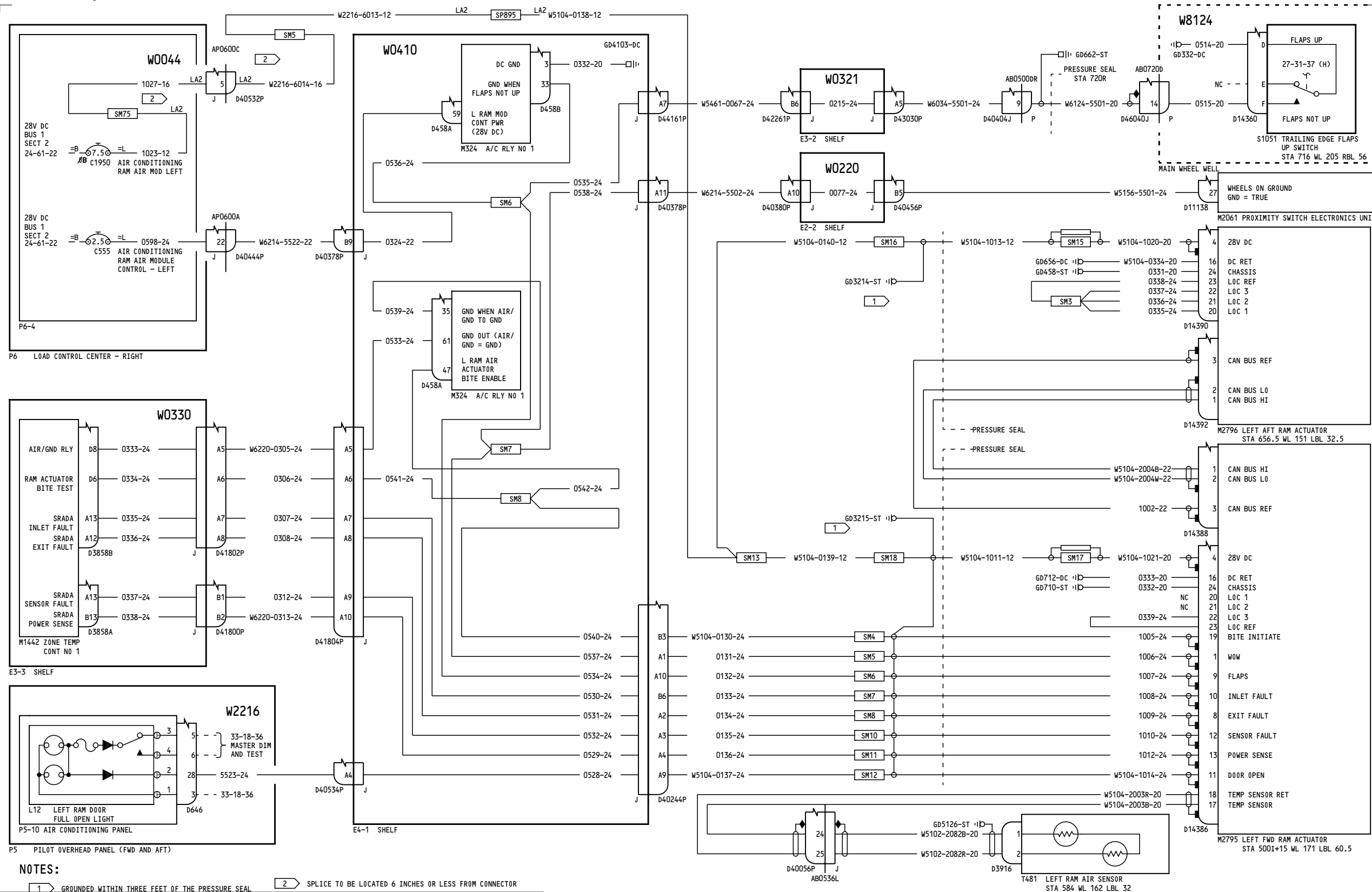
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NOTES:

1 GROUNDING WITHIN THREE FEET OF THE PRESSURE SEAL 2 SPLICE TO BE LOCATED 6 INCHES OR LESS FROM CONNECTOR

YT101

LEFT RAM MODULATION CONTROL

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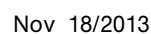
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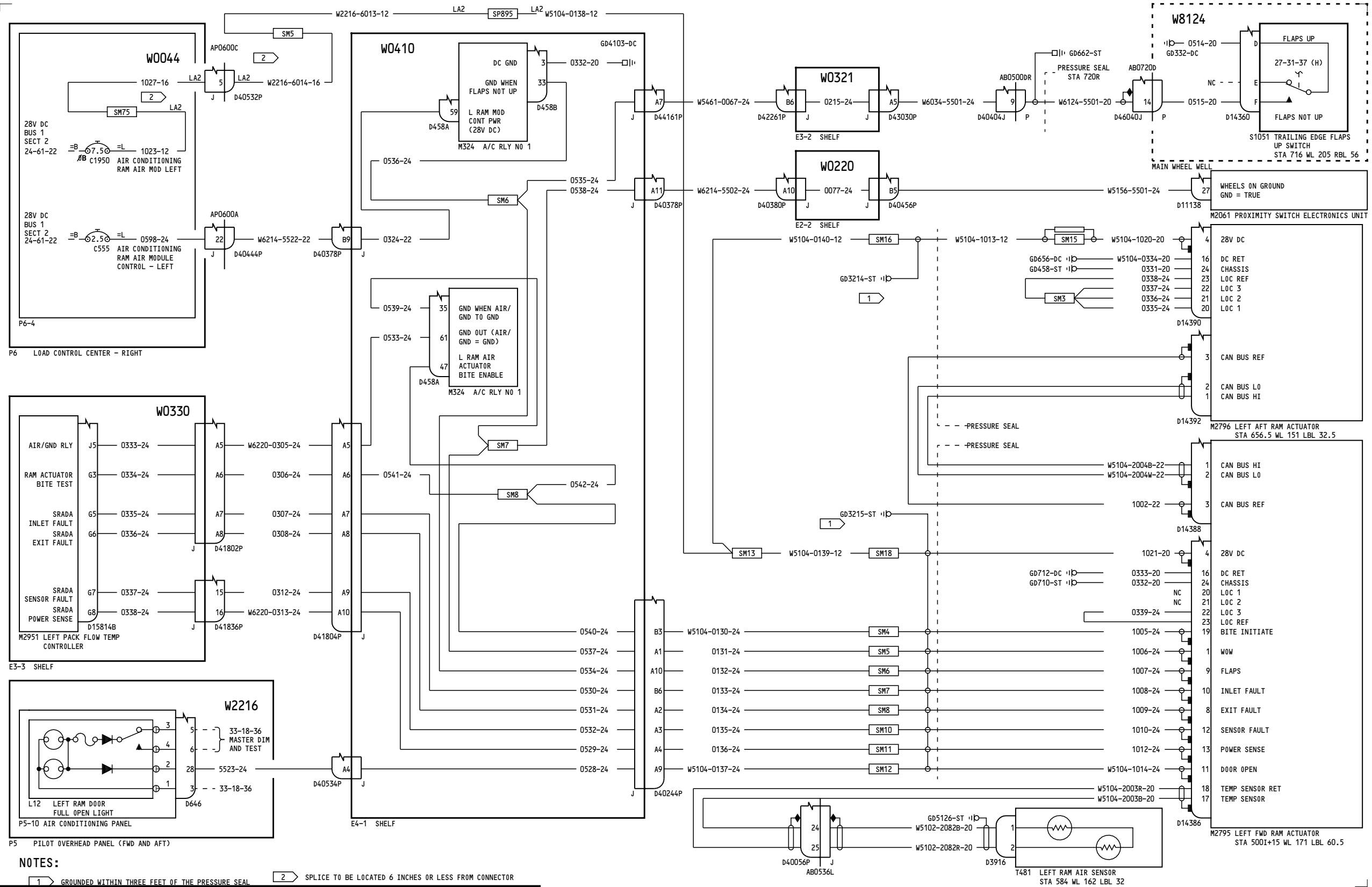
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NOTES:

- 1 GROUNDED WITHIN THREE FEET OF THE PRESSURE SEAL
2 SPLICE TO BE LOCATED 6 INCHES OR LESS FROM CONNECTOR

YT116-YT120, YT132-YT133

LEFT RAM MODULATION CONTROL

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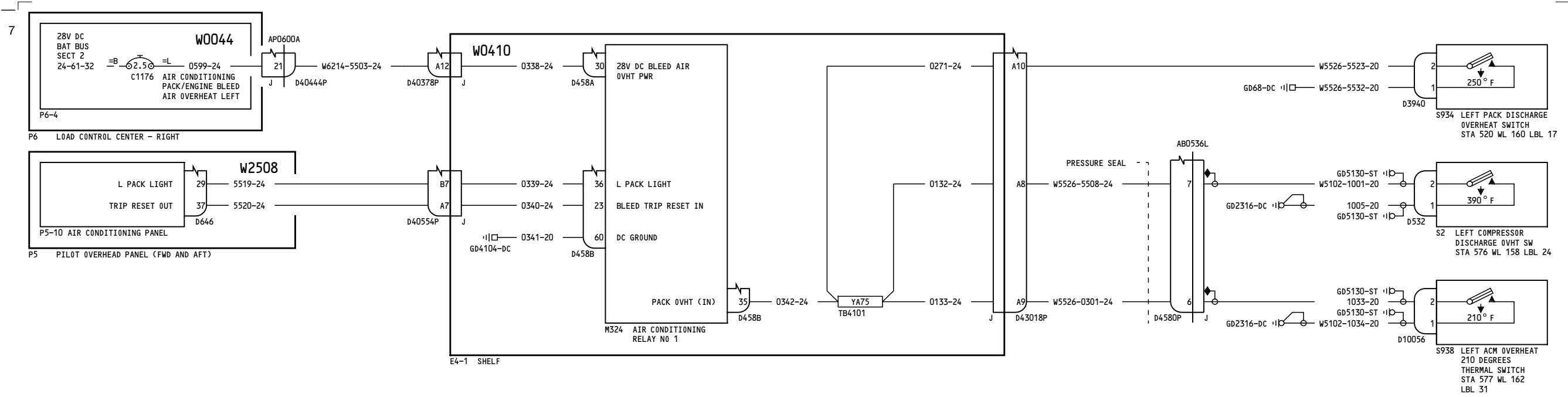
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737-800 WIRING DIAGRAM MANUAL



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| ALL | LEFT PACK PROTECTION |
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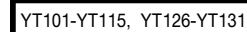
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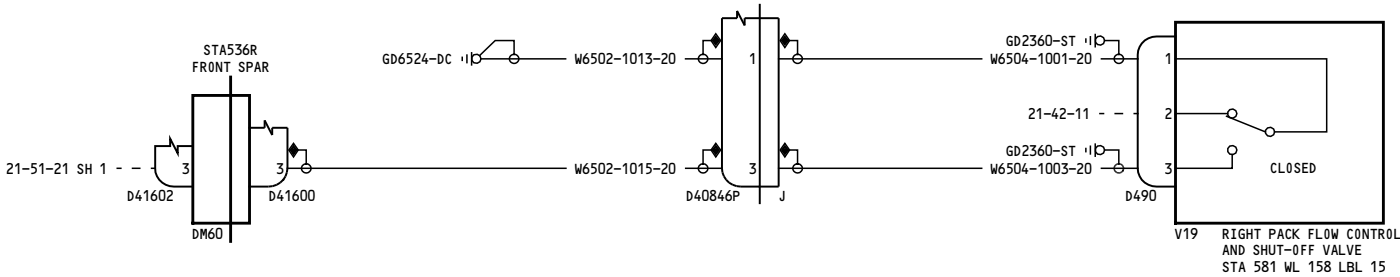
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YT101-YT115, YT126-YT131

RIGHT PACK VALVE CONTROL

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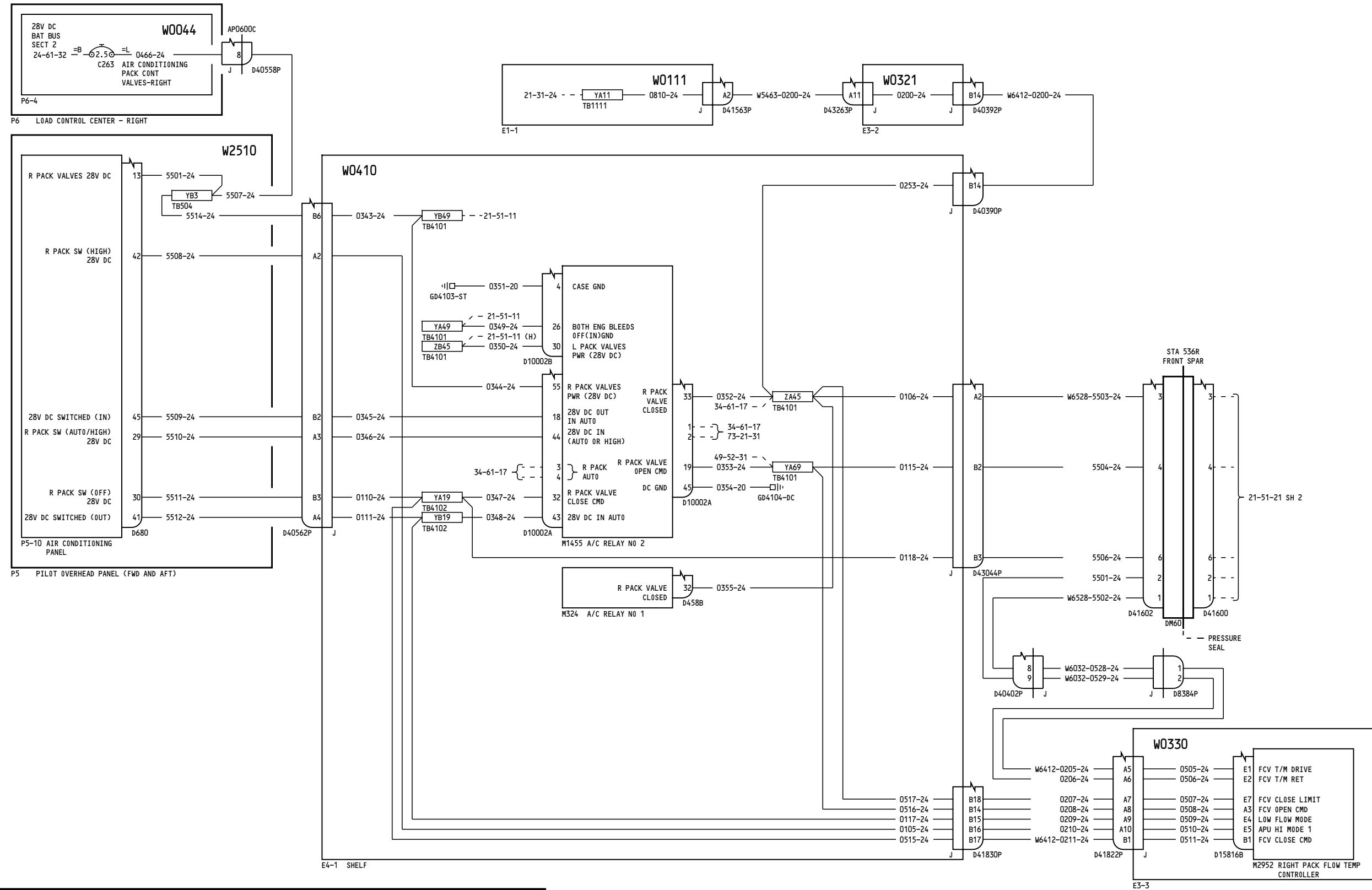
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YT116-YT120, YT132-YT133

RIGHT PACK VALVE CONTROL

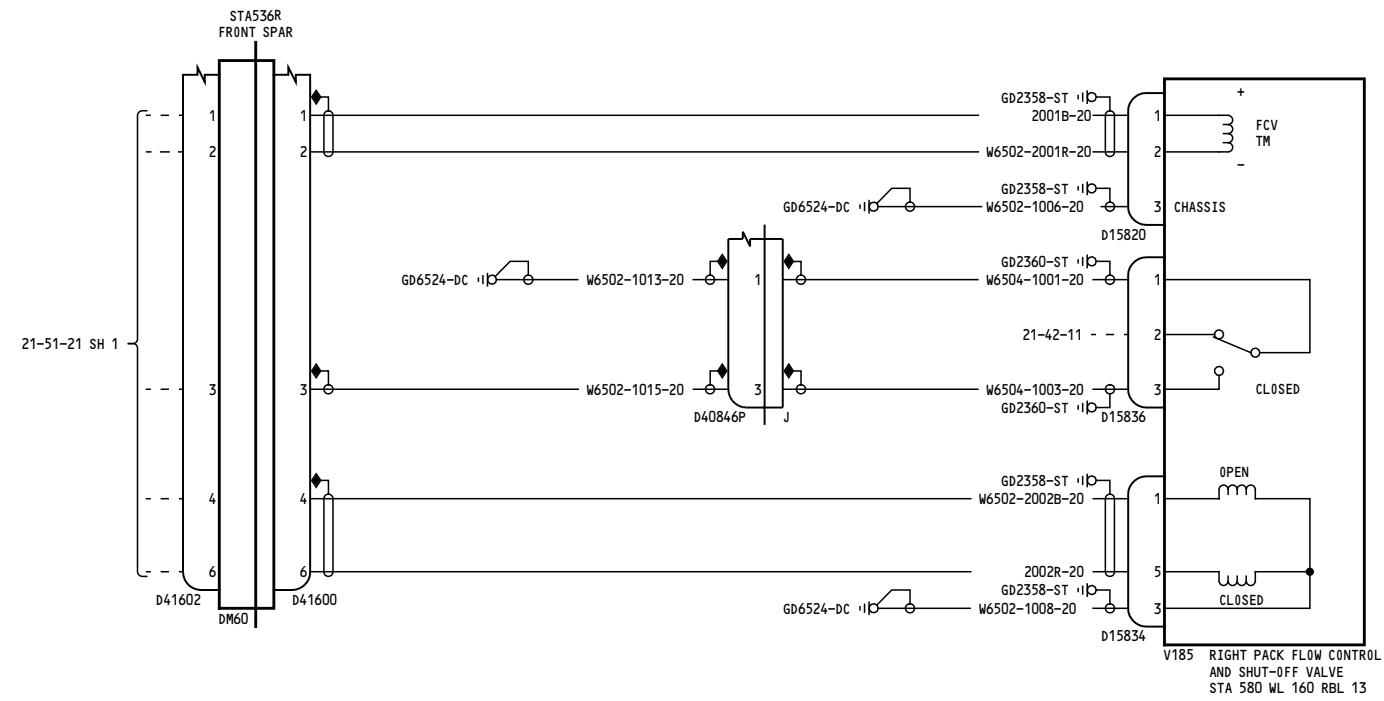
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RIGHT PACK VALVE CONTROL

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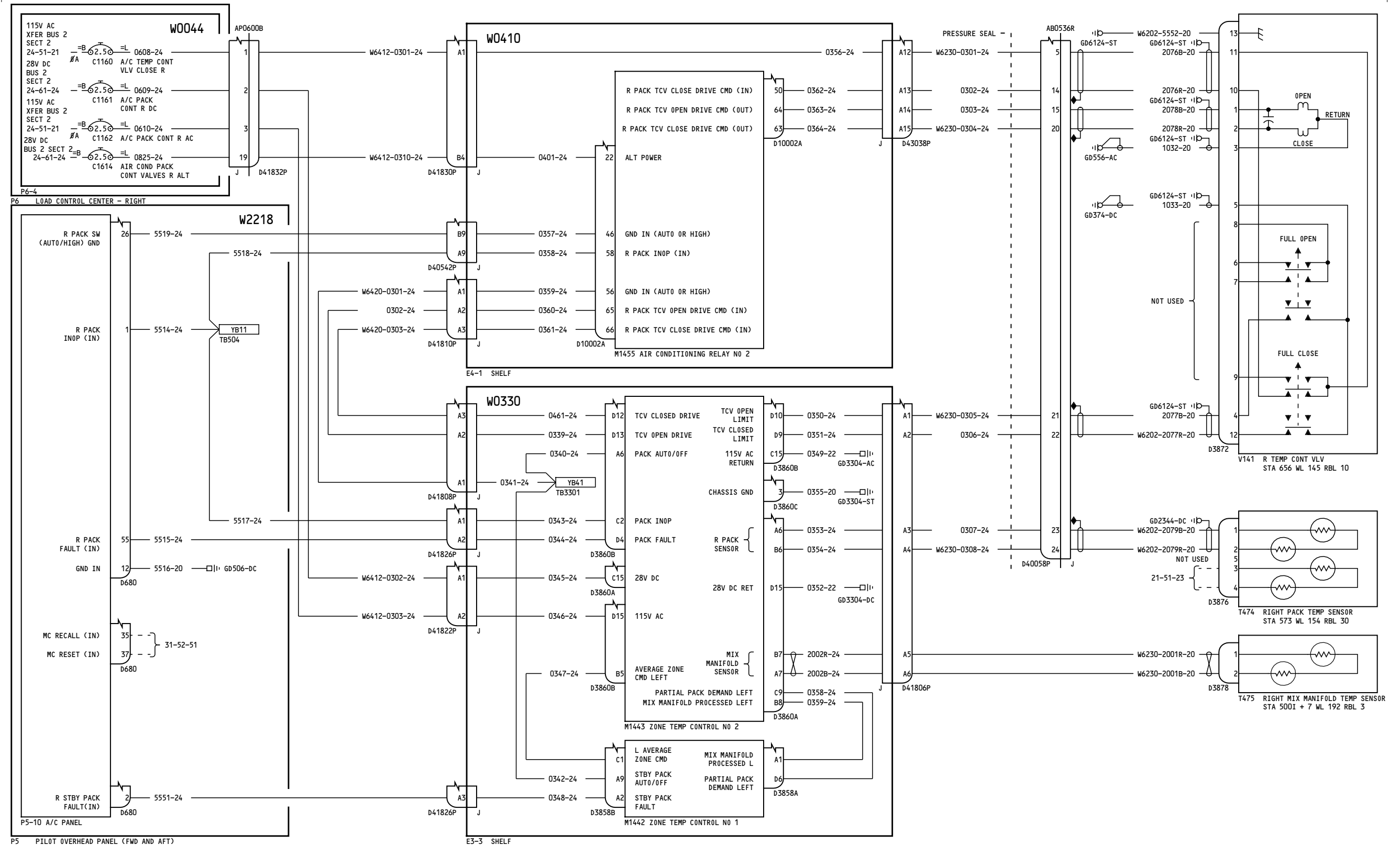
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YT101-YT115, YT126-YT131

**RIGHT AIR CONDITIONING
PACK CONTROL - AUTO**

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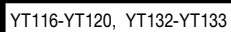
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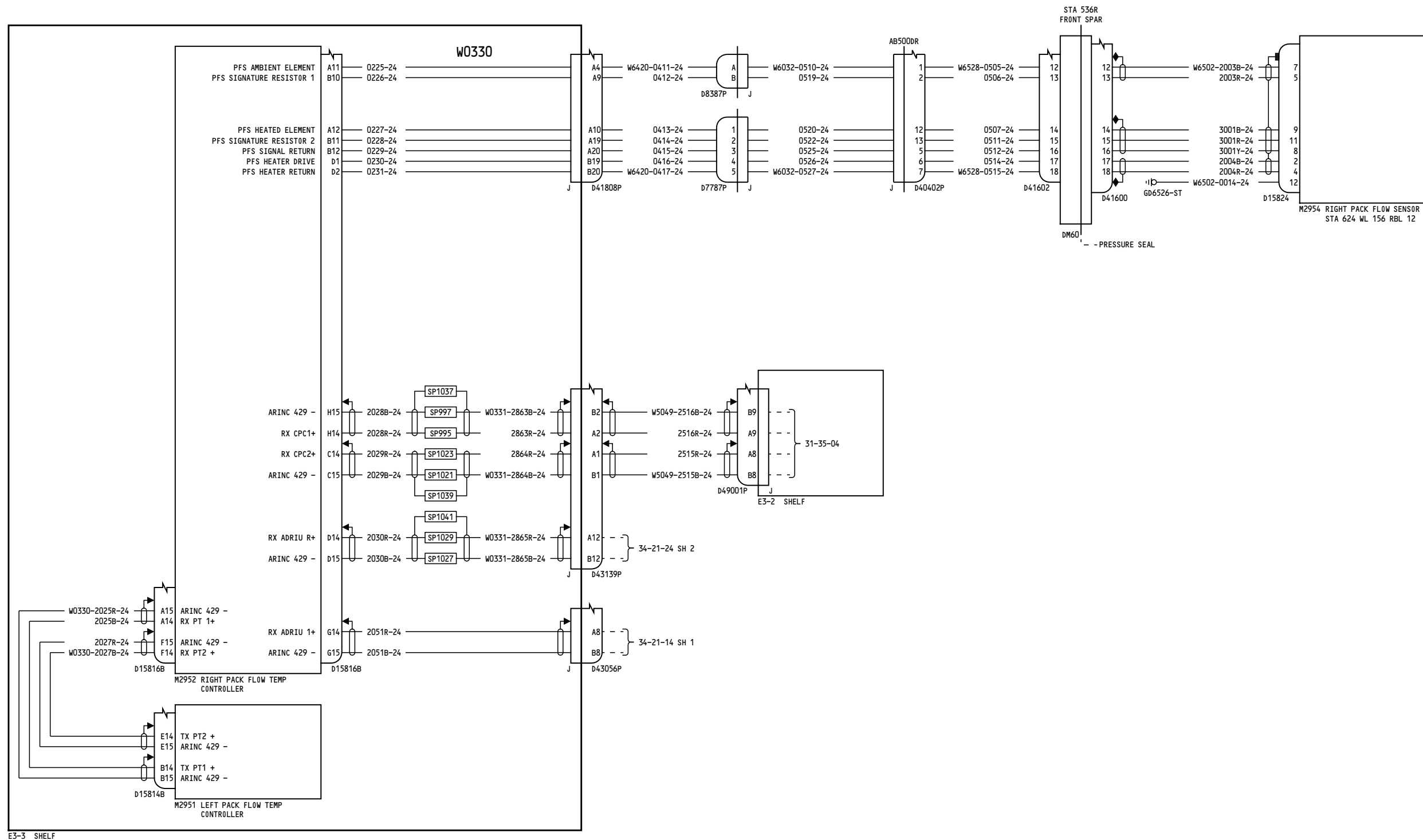
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RIGHT AIR CONDITIONING PACK CONTROL - AUTO

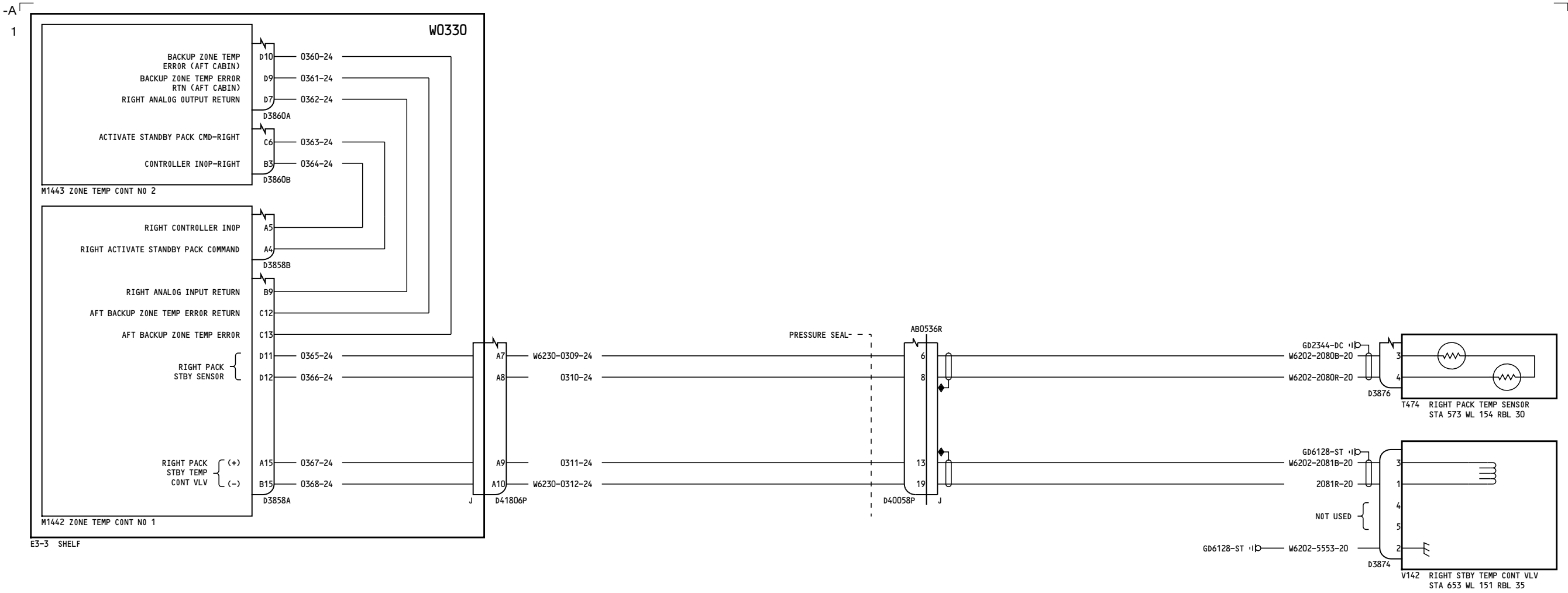
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YT101-YT115, YT126-YT131

**RIGHT AIR CONDITIONING
PACK CONTROL STANDBY**

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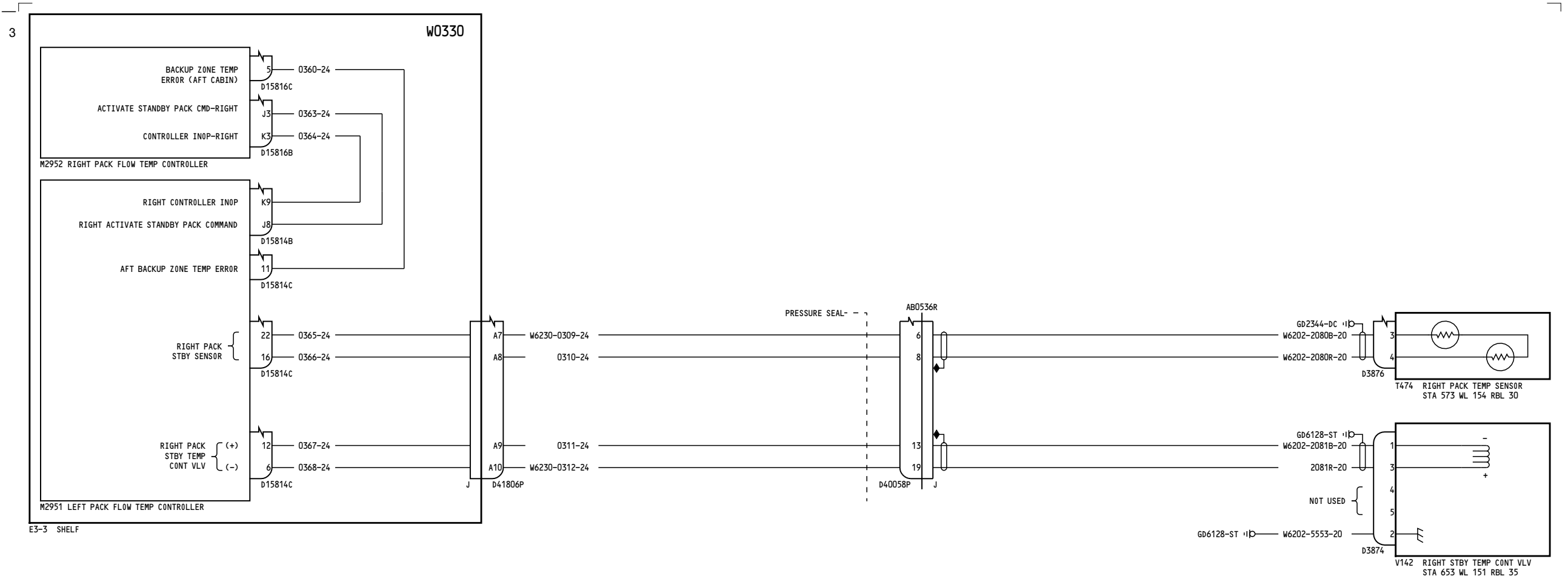
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YT116-YT120, YT132-YT133

**RIGHT AIR CONDITIONING
PACK CONTROL STANDBY**

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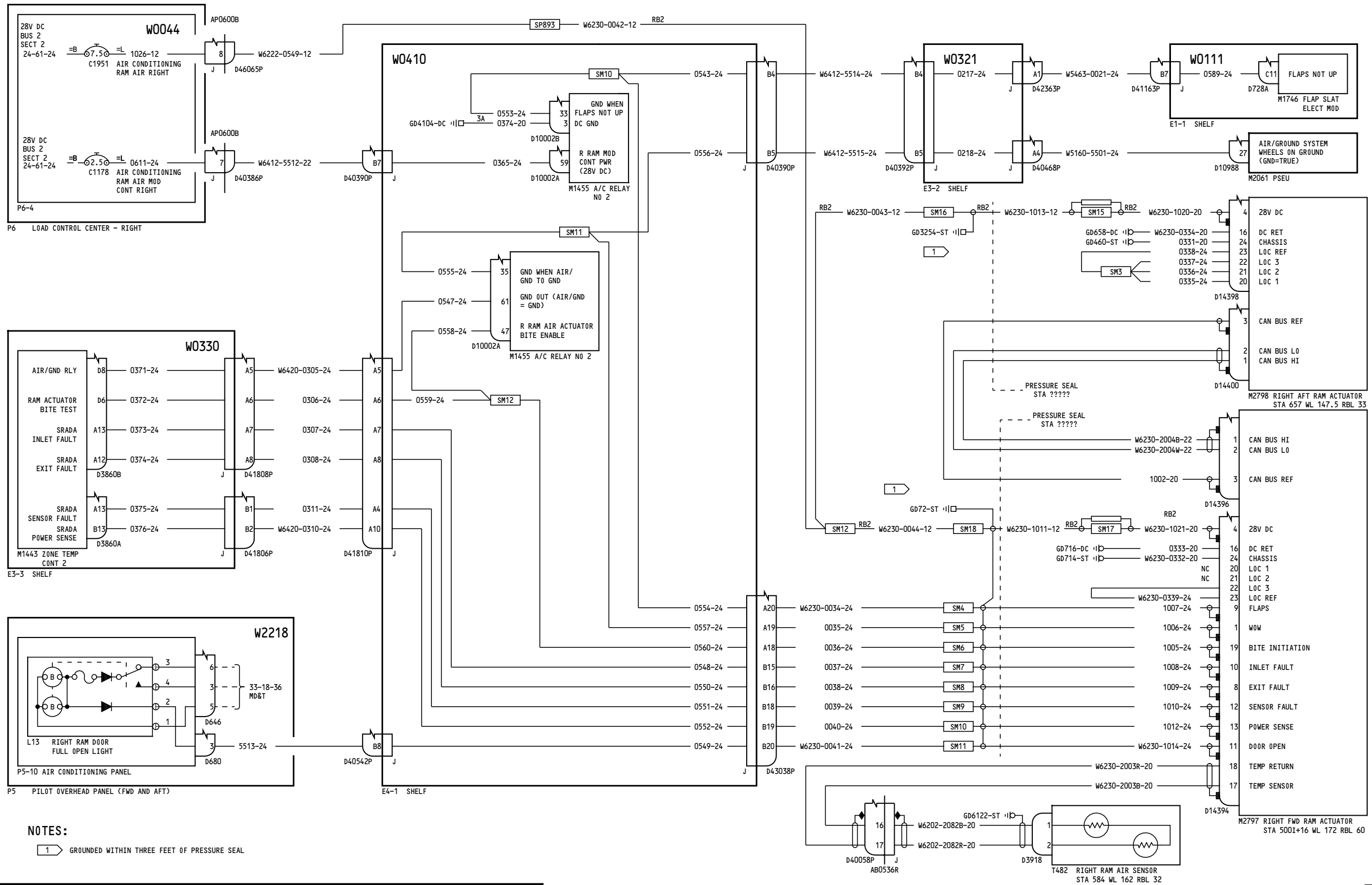
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YT101

RIGHT RAM MODULATION CONTROL

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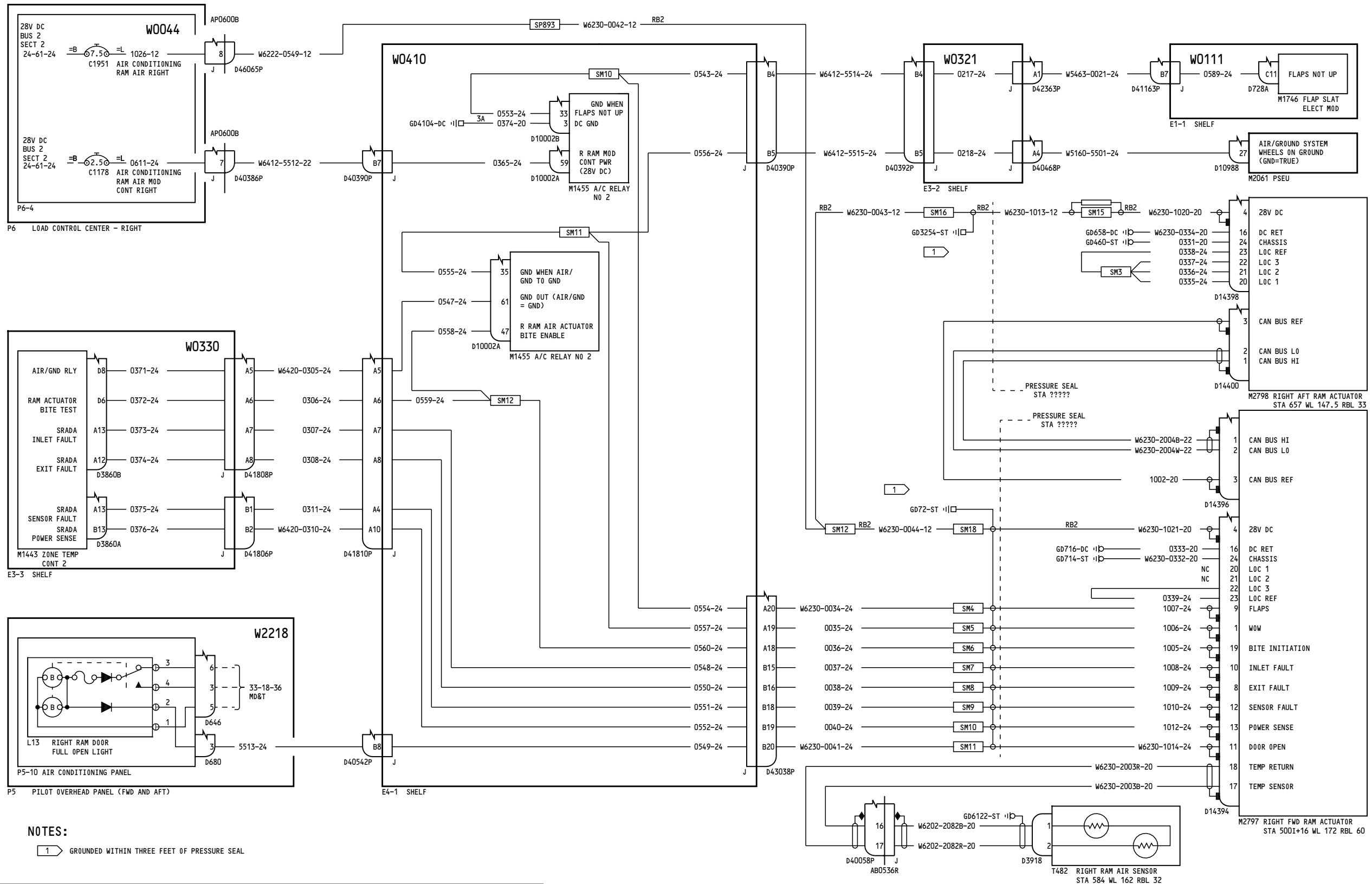
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YT102-YT115, YT126-YT131

RIGHT RAM MODULATION CONTROL

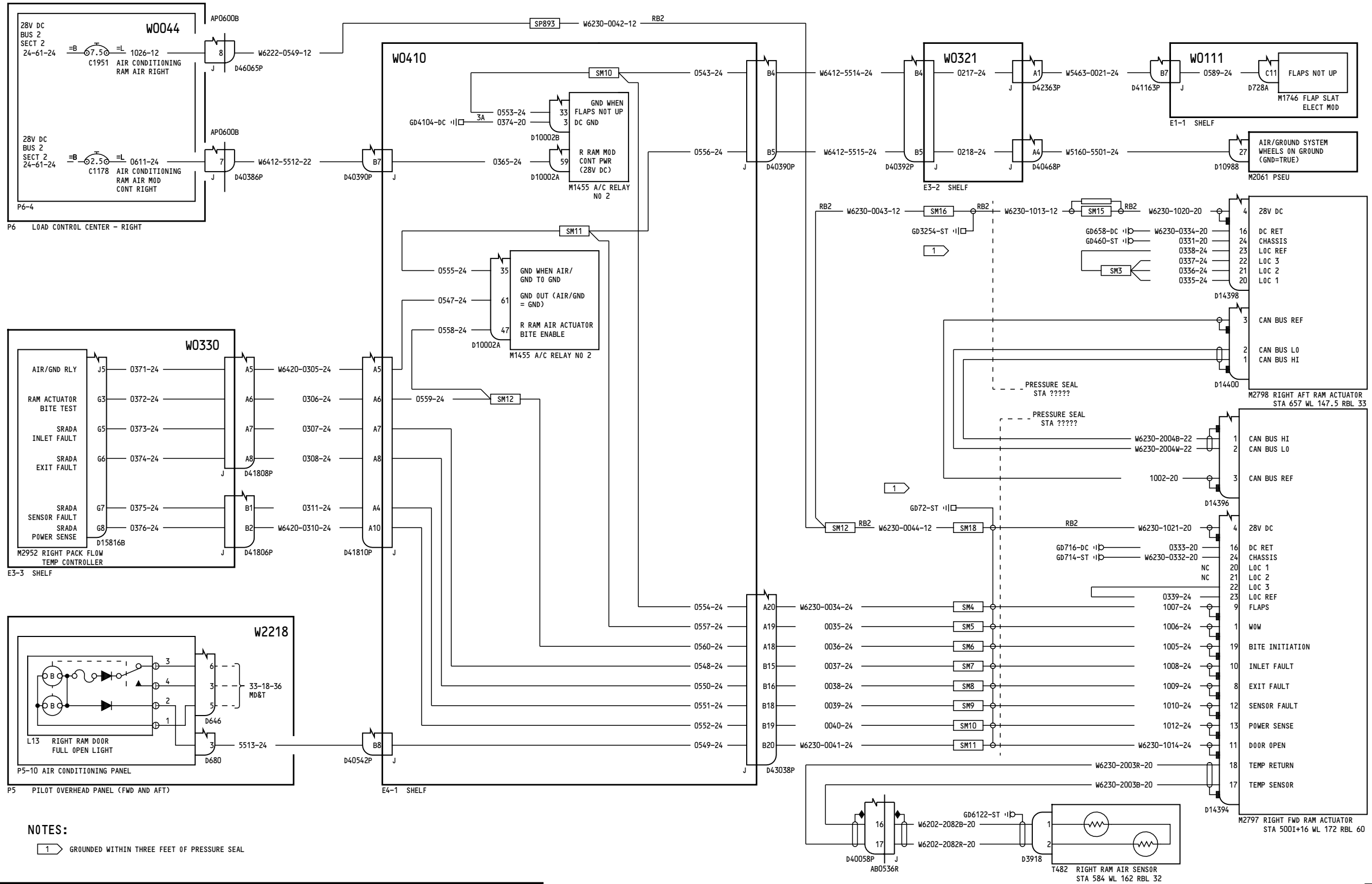
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YT116-YT120, YT132-YT133

RIGHT RAM MODULATION CONTROL

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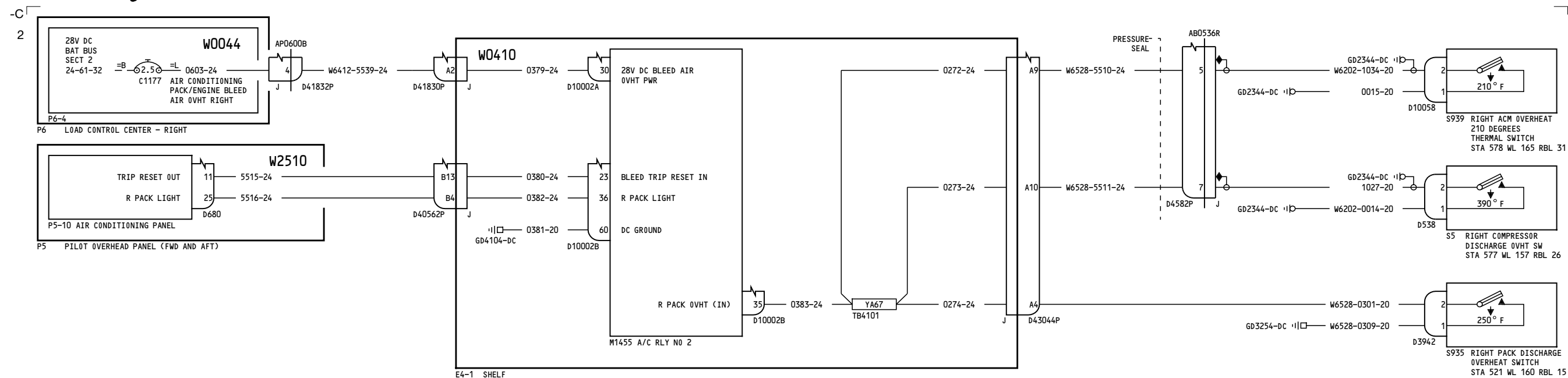
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ALL

RIGHT PACK PROTECTION

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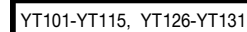
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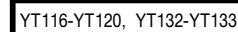
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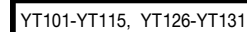
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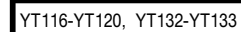
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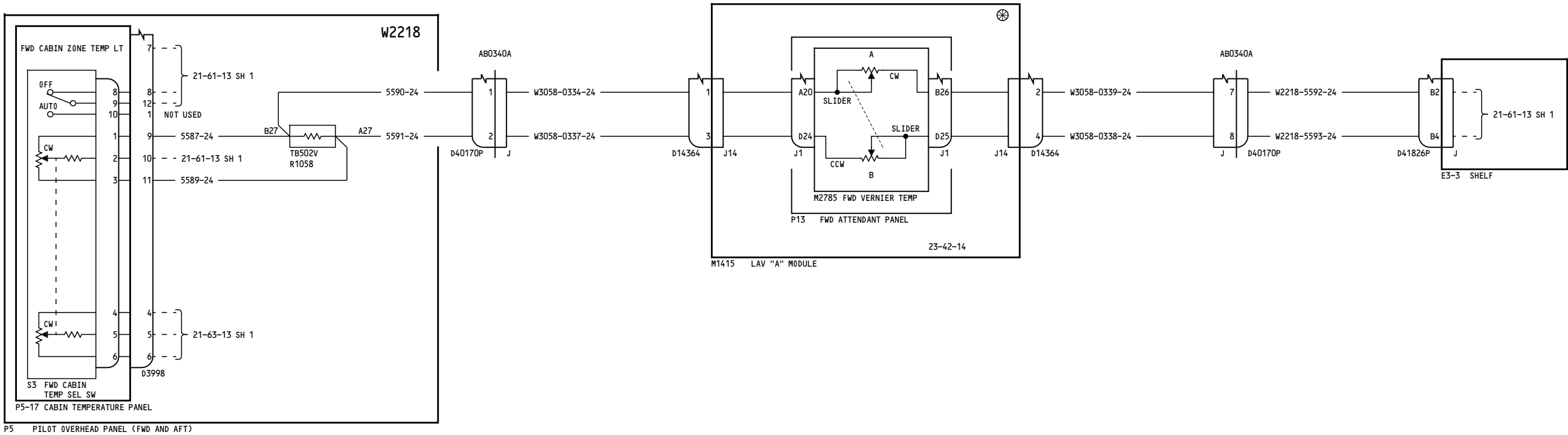
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YT101-YT115, YT126-YT131

**TEMPERATURE CONTROL -
FWD PASSENGER ZONE**

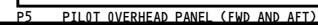
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YT116-YT120. YT132-YT133

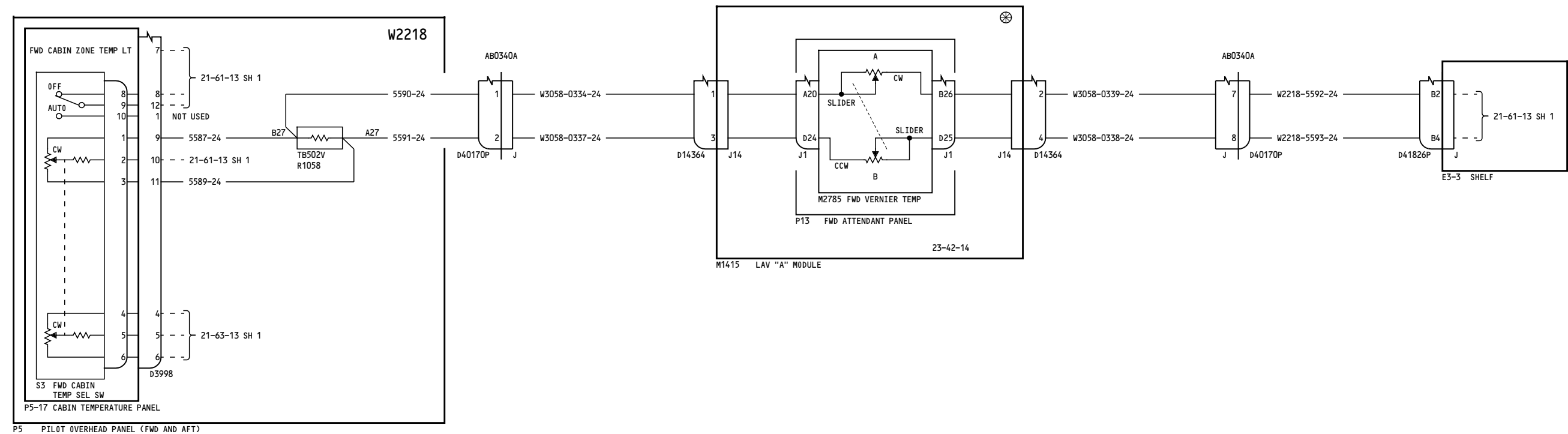
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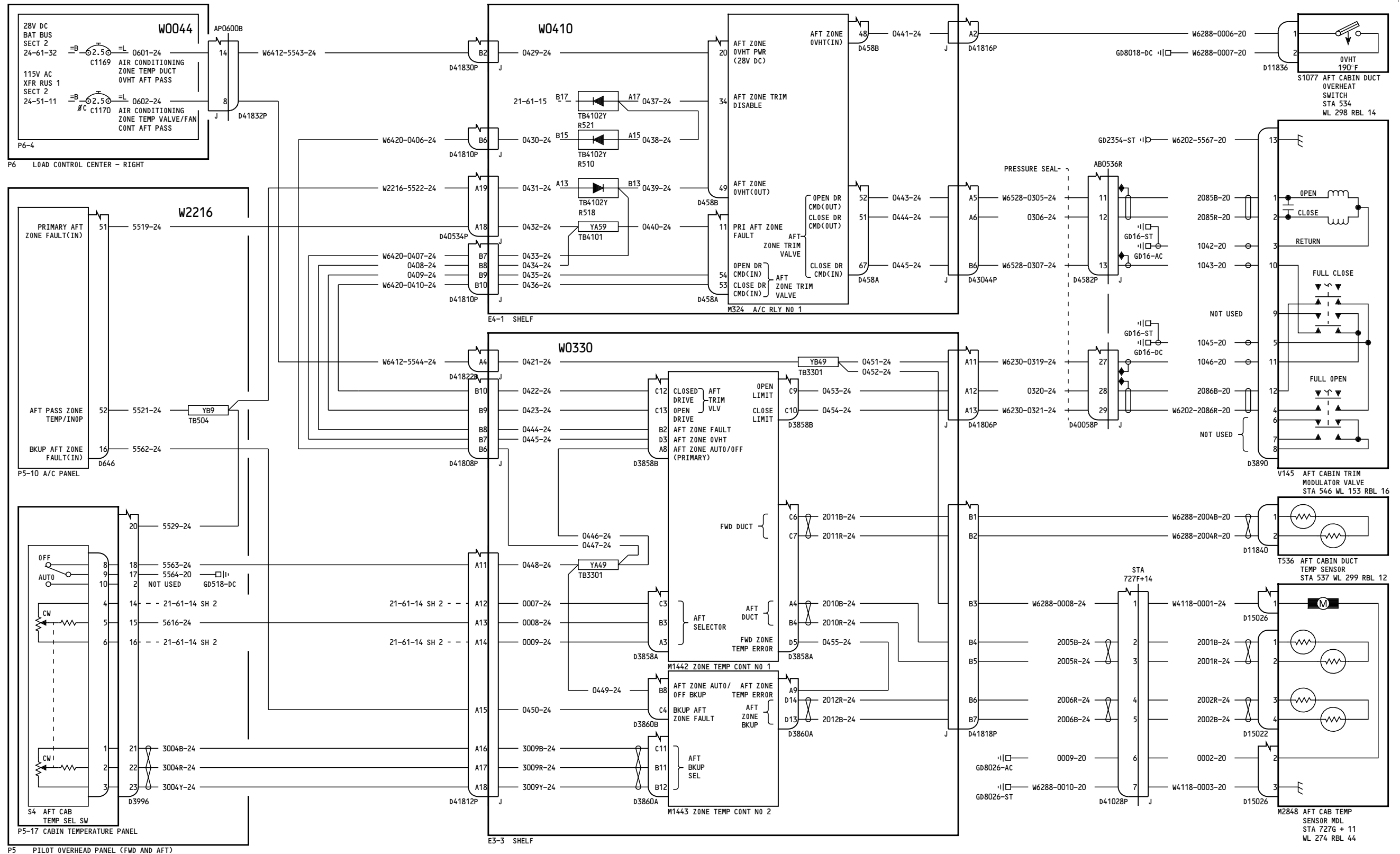
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YT101-YT115, YT126-YT131

**TEMPERATURE CONTROL
AFT PASSENGER ZONE**

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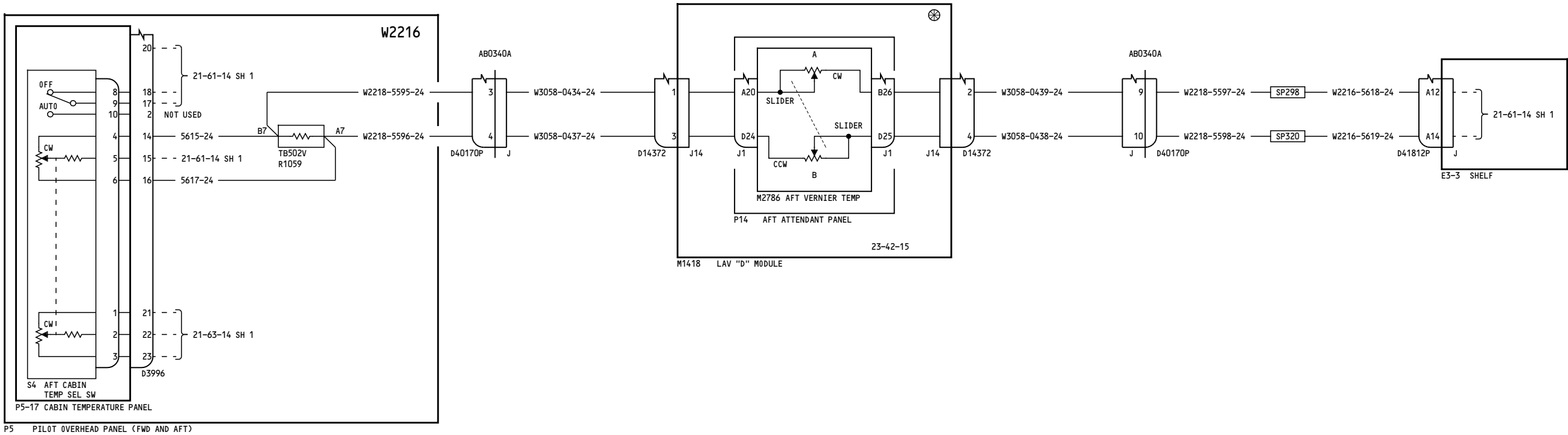
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YT101-YT115, YT126-YT131

TEMPERATURE CONTROL
AFT PASSENGER ZONE

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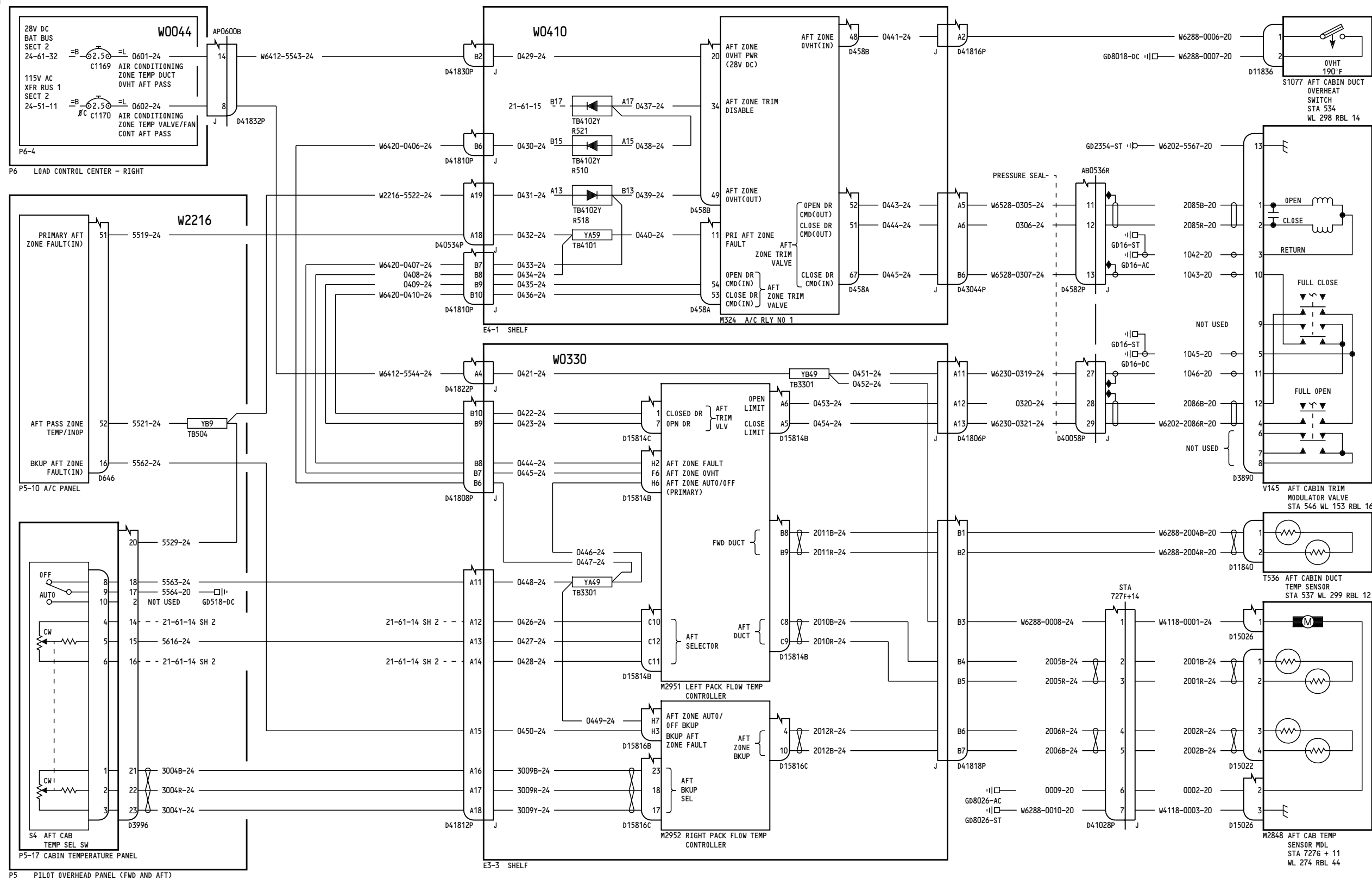
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YT116-YT120, YT132-YT133

TEMPERATURE CONTROL AFT PASSENGER ZONE

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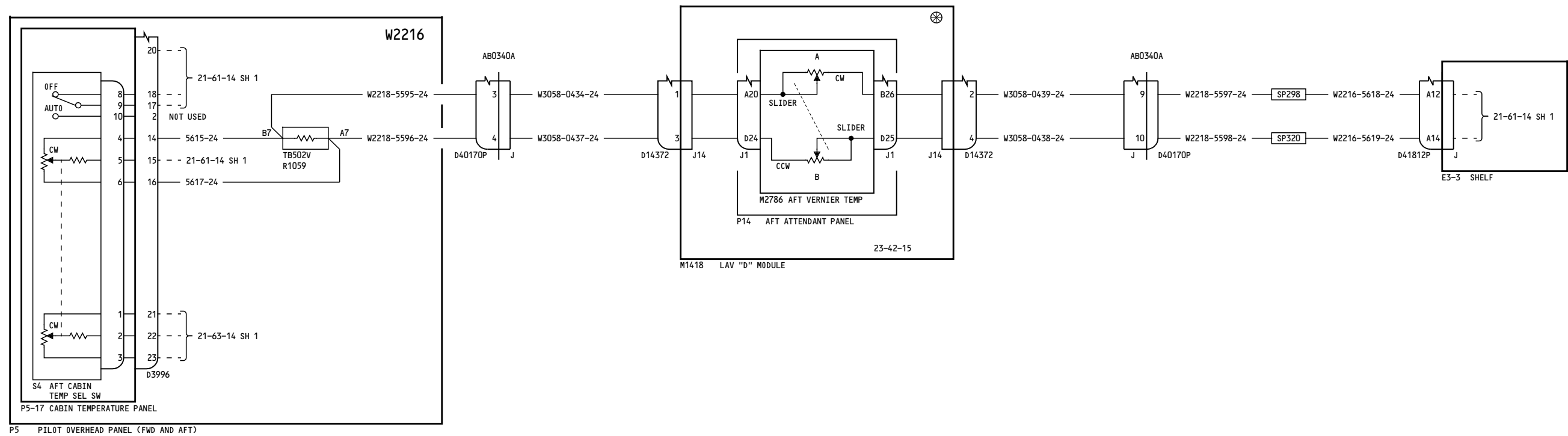
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YT116-YT120, YT132-YT133

**TEMPERATURE CONTROL
AFT PASSENGER ZONE**

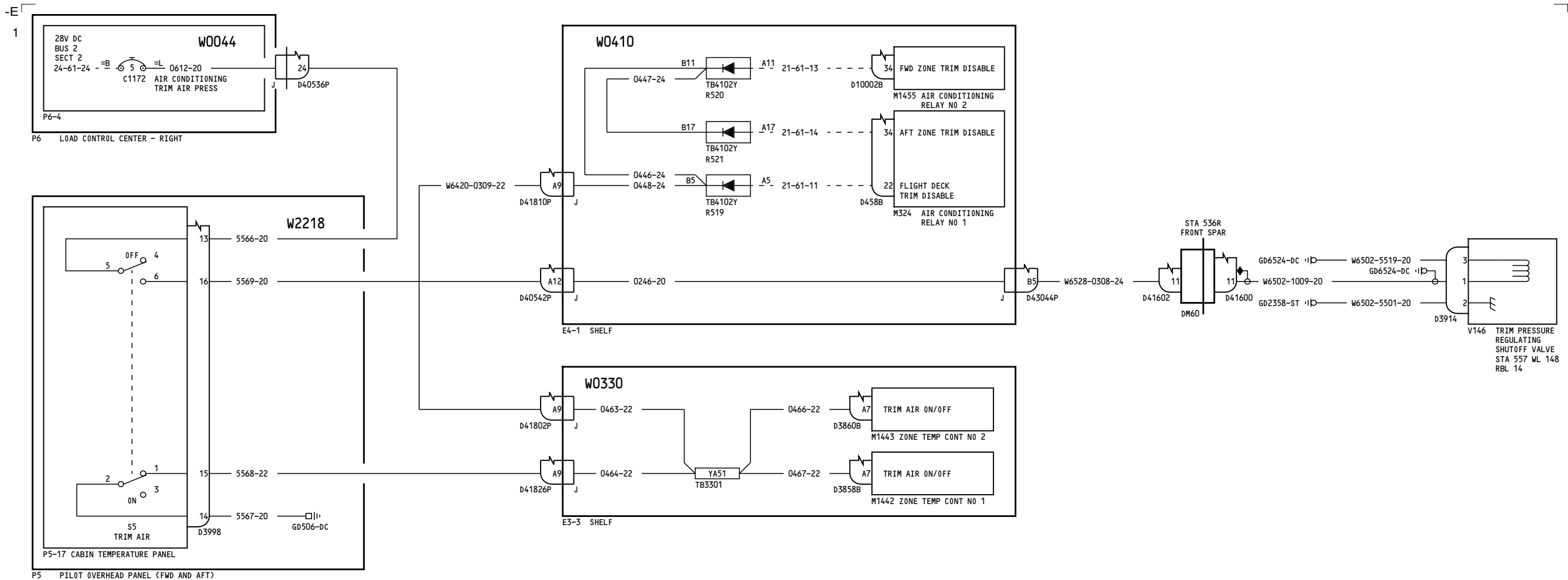
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YT101-YT115, YT126-YT131

TEMPERATURE CONTROL -
TRIP PRESSURE REGULATION

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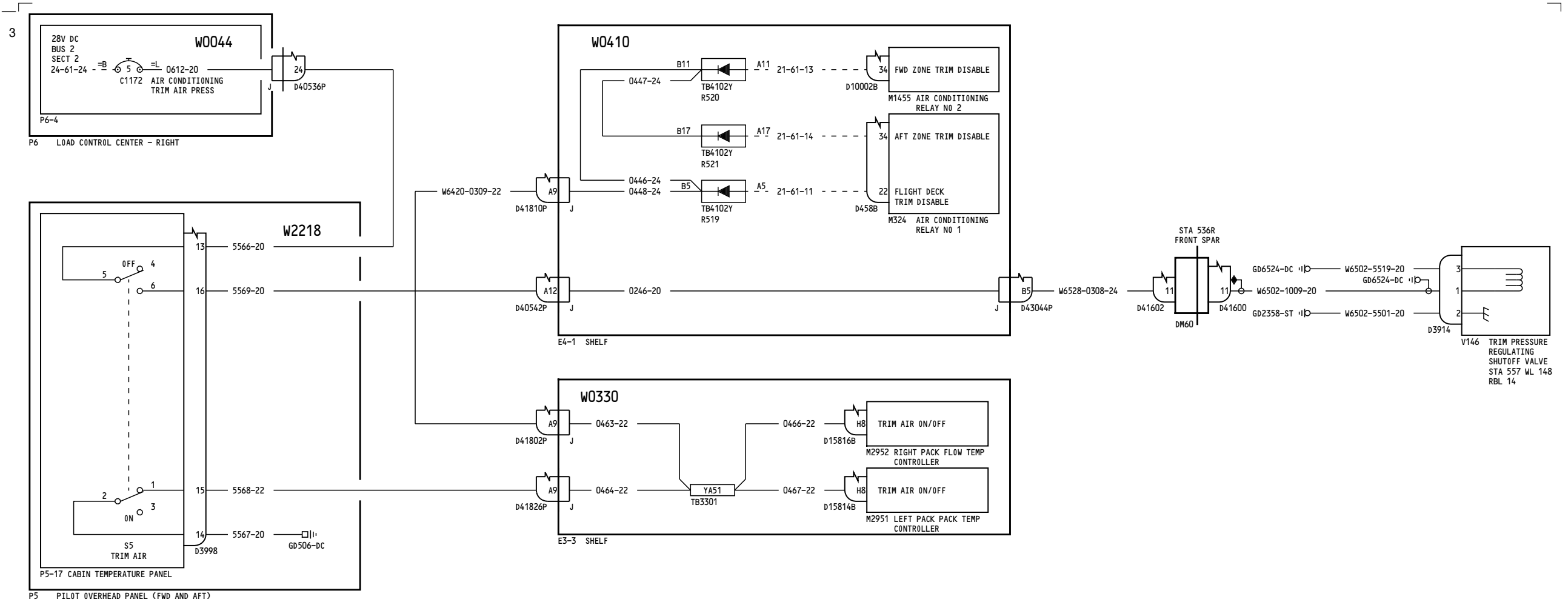
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YT116-YT120, YT132-YT133

TEMPERATURE CONTROL -
TRIP PRESSURE REGULATION

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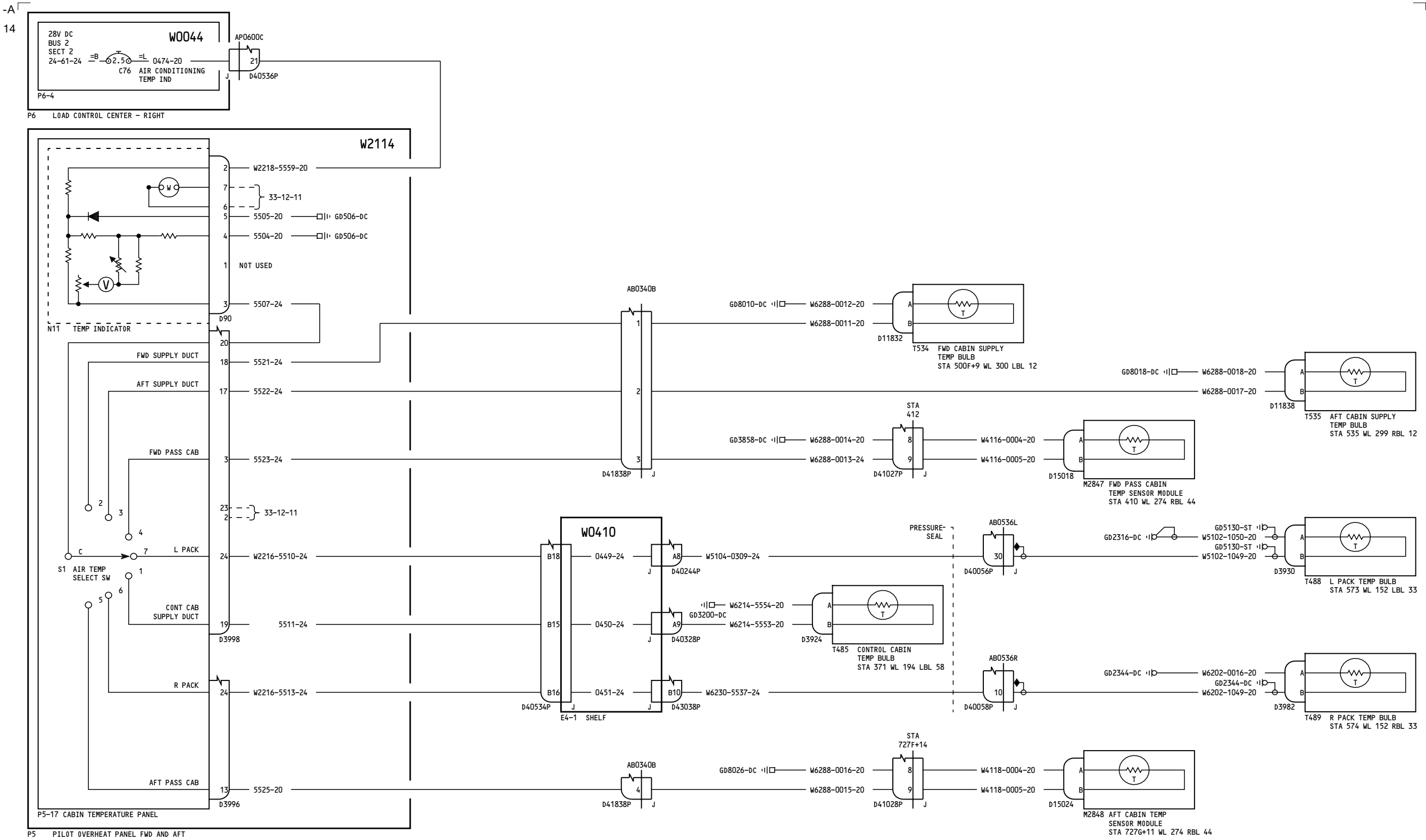
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ALL

AIR CONDITIONING
TEMPERATURE INDICATION

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