

# ***BOEING 757***

## **Wiring Diagram Manual**

### **CHAPTER 30 - ICE and RAIN PROTECTION**

## **AIR 2000 CUSTOMISATIONS**

**B757 MANUAL SUPPLEMENT - ATP 3510  
SECTION 4 CHAPTER 30  
CONTROL PAGE - INITIAL ISSUE**

**CAA APPROVAL**

The Temporary Revisions listed hereon comply with BCAR Chapter A5-3, B5-3 and/or TSS No 0-2 as appropriate.

Signed



for Chief Engineer (Quality & Training)  
CAA Approval No. DAI/8566/78

- A. File the attached Temporary Revision/Alerts in the Manual Supplement in ATA Chapter/Section/Subject/Page sequence
- B. File this Control Page in front of the Chapter TRs/Alerts.
- C. The following list shows active TRs/Alerts together with TRs/Alerts added by this control page.

Chapter Section Subject	Page	TR/Alert No.
30-31-11	1	* 30-517
30-31-12	1	* 30-518

- D. Remove and Destroy the following TRs/Alerts:

\* Indicates TRs/Alerts issued with this control page

**ATP  
TEMPORARY  
REVISION**

**BRITISH AIRWAYS  
(NB 322)**

TR Page 1 of 1

23 July, 1997

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WIRING DIAGRAM MANUAL

TEMPORARY REVISION No. 30-517

THIS TEMPORARY REVISION IS ISSUED BY BRITISH AIRWAYS ENGINEERING (TECHNICAL INFORMATION SERVICES, G2, TBA, S401, P. O. BOX 10, HEATHROW AIRPORT, HOUNSLOW, MIDDLESEX TW6 2JA) AND COMPLIES WITH BCAR'S CHAPTER A5-3, B5-3 AND/OR TSS No. 0-2 AS REQUIRED. CAA DESIGN APPROVAL No. DAI/8566/78.



For CHIEF ENGINEER QUALITY

Manual Reference 30-31-11 Page 1

**REASON FOR REVISION**

Reversal pitot heat probe connections.

**ACTION**

Read this TR in conjunction with Boeing pages. Additional wiring changes below.

Diode block R10127 on TB1060C.

Wire W1260-5657-24 is now connected to C15 on the diode (cathode).

Wire W1260-5692-24 is now connected to A15 on the diode (anode).

Originator: C.L Anstey  
Reference: 30D012  
Workbook: SH 30-8

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TEMPORARY  
REVISION**

**BRITISH AIRWAYS**  
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**WIRING DAIAGRAM MANUAL**  
**TEMPORARY REVISION No. 30-518**

THIS TEMPORARY REVISION IS ISSUED BY BRITISH AIRWAYS ENGINEERING (TECHNICAL INFORMATION SERVICES, G2, TBA, S401, P. O. BOX 10, HEATHROW AIRPORT, HOUNSLOW, MIDDLESEX TW6 2JA) AND COMPLIES WITH BCAR'S CHAPTER A5-3, B5-3 AND/OR TSS No. 0-2 AS REQUIRED. CAA DESIGN APPROVAL No. DAI/8566/78.



For CHIEF ENGINEER QUALITY

Manual Reference 30-31-12 Page 1

**REASON FOR REVISION**

Reversal pitot heat probe connections.

**ACTION**

Read this TR in conjunction with Boeing pages. Additional wiring changes below.

Diode block R10129 on TB179C.

Wire W1270-5717-24 is now connected to C10 on the diode (cathode).

Wire W1270-5750-24 is now connected to A24 on the diode (anode).

Originator: C.L Anstey  
Reference: 30D012  
Workbook: SH 30-8

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**CHAPTER**

**30**

**ICE AND RAIN  
PROTECTION**



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# WIRING DIAGRAM MANUAL

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A = Added, R = Revised, D = Deleted, O = Overflow

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<b><u>WING THERMAL ANTI-ICING</u></b>						
WING THERMAL ANTI-ICE	30-11-11		1		Jan 21/2005	001-099
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<b><u>PITOT PROBE ANTI-ICING</u></b>						
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PROBE HEAT - RIGHT PITOT STATIC	30-31-12		1	1	Jan 21/2005	001-099
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<b><u>ANGLE-OF-ATTACK PROBE HEAT</u></b>						
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P1 ENGINE PROBE HEAT - LEFT	30-34-21		1		Jan 21/2005	001-099
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P1 ENGINE PROBE HEAT - RIGHT	30-34-22		1		Jan 21/2005	001-099
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<b><u>FLIGHT COMPARTMENT WINDOW ANTI-ICING</u></b>						
WINDOW HEAT - NO.1 LEFT AND NO.2 RIGHT	30-41-11		1	1	Jan 21/2005	001-099
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WINDOW HEAT - NO.1 RIGHT AND NO.2 LEFT	30-41-12		1	1	Jan 21/2005	001-099
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<b><u>WINDSHIELD WIPER SYSTEM</u></b>						
WINDSHIELD WIPERS	30-42-11		1		Jan 21/2005	ALL
<b><u>WINDSHIELD RAIN REPELLENT SYSTEM</u></b>						
WINDSHIELD RAIN REPELLENT	30-43-11		1		Jan 21/2005	ALL
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<b><u>WATER AND DRAIN LINE HEATERS</u></b>						
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## WIRING DIAGRAM MANUAL

### CHAPTER 30 ICE AND RAIN PROTECTION

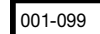
CH-SC-SU	Title
30-71-11	DRAIN MAST HEATERS
30-21-11	ENGINE/NOSE COWL THERMAL ANTI-ICE
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30-31-11	PROBE HEAT - LEFT PITOT STATIC
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30-33-11	PROBE HEAT - TOTAL AIR TEMPERATURE
30-71-21	WATER SUPPLY LINE AND DRAIN LINE HEATERS
30-41-11	WINDOW HEAT - NO.1 LEFT AND NO.2 RIGHT
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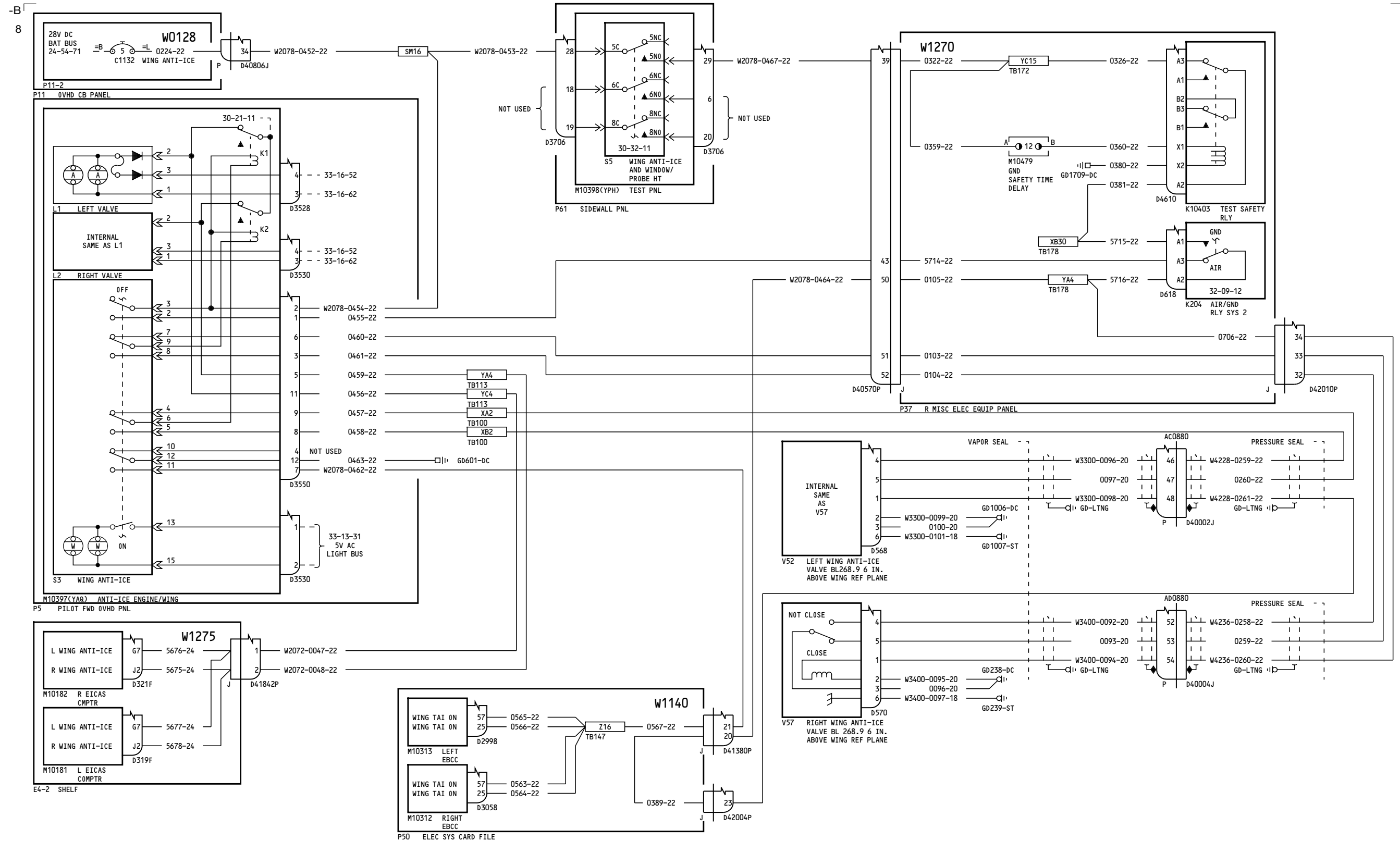
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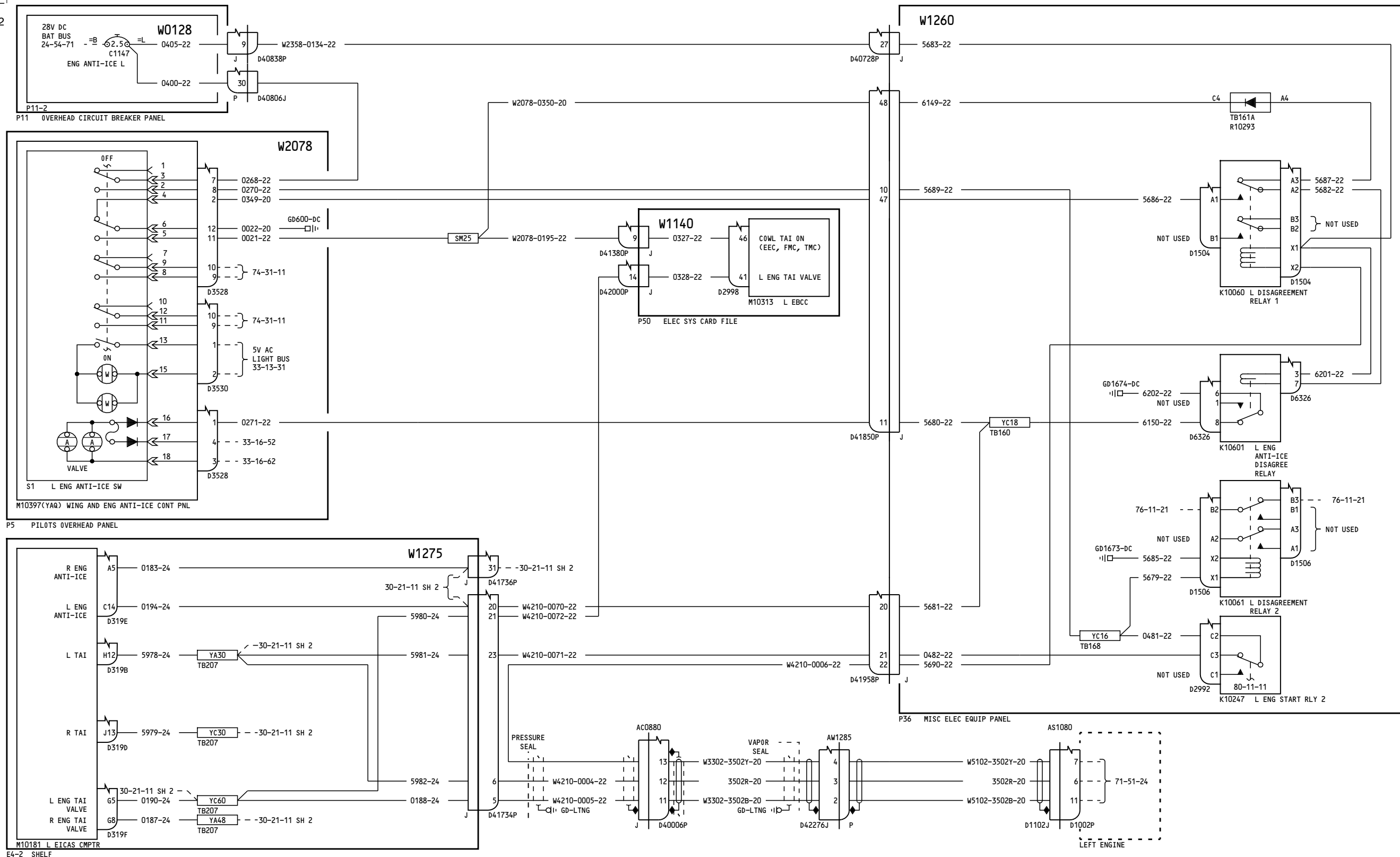
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ENGINE/NOSE COWL  
THERMAL ANTI-ICE

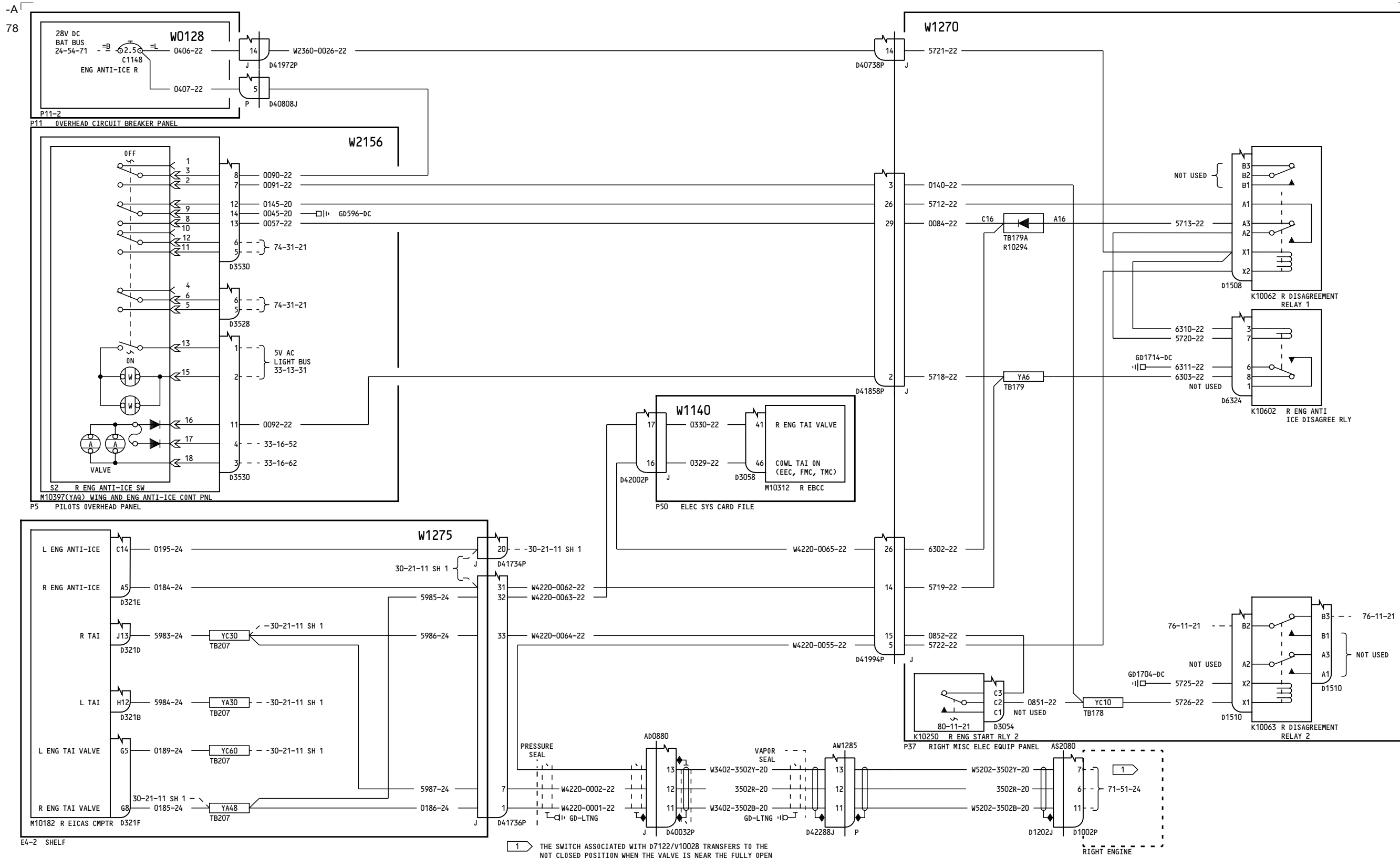
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ENGINE/NOSE COWL  
THERMAL ANTI-ICE

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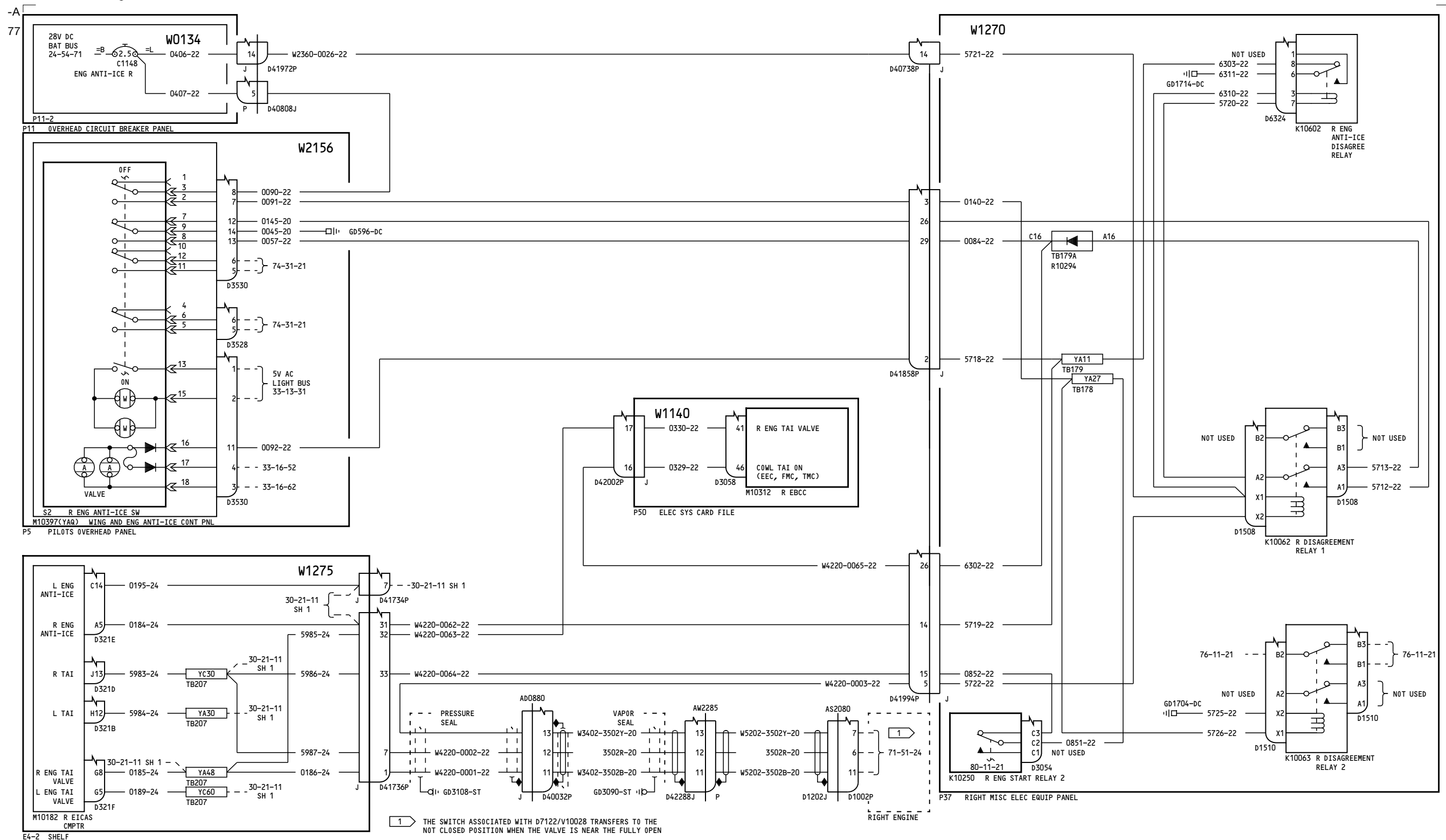
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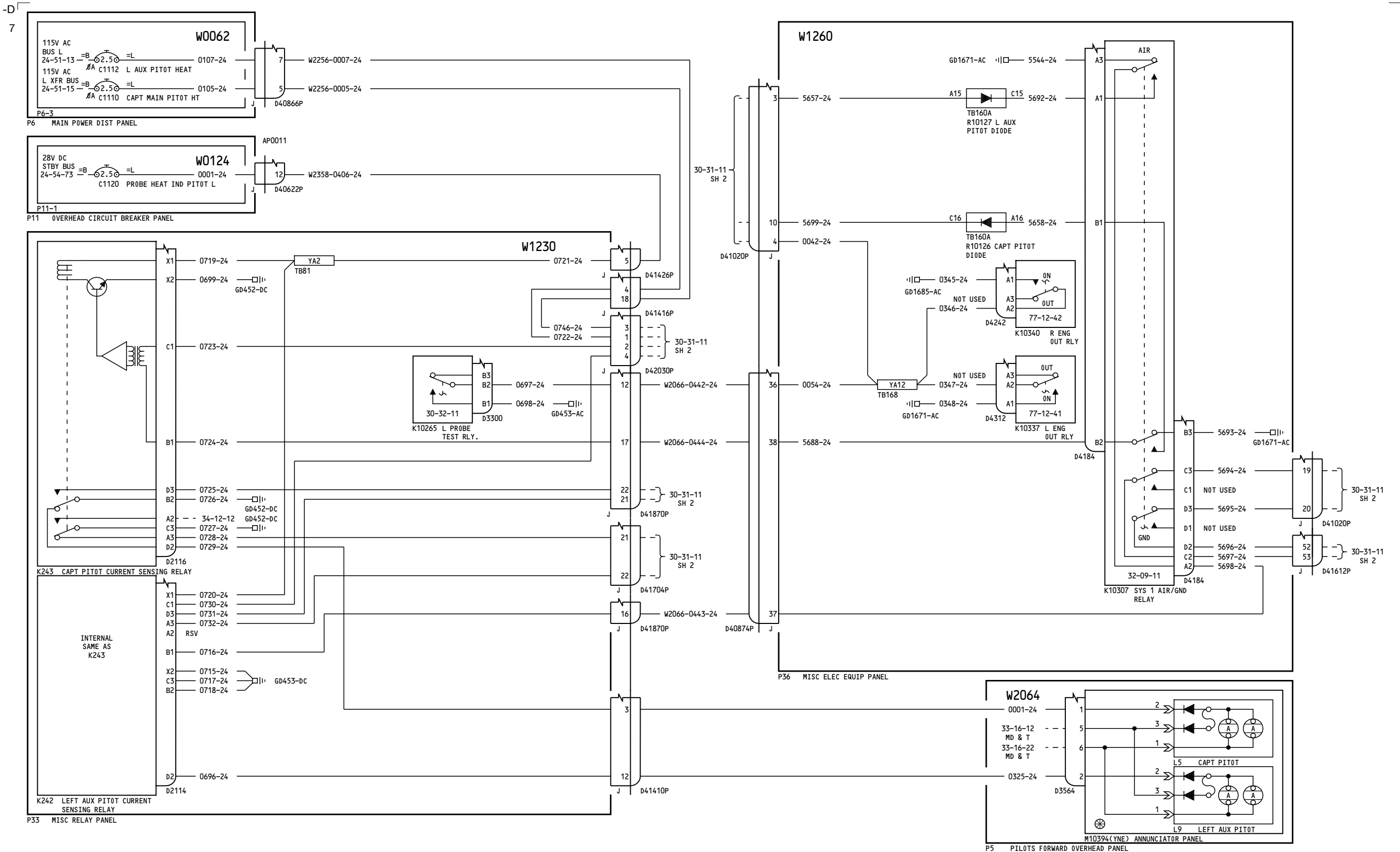
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PROBE HEAT - LEFT  
PITOT STATIC

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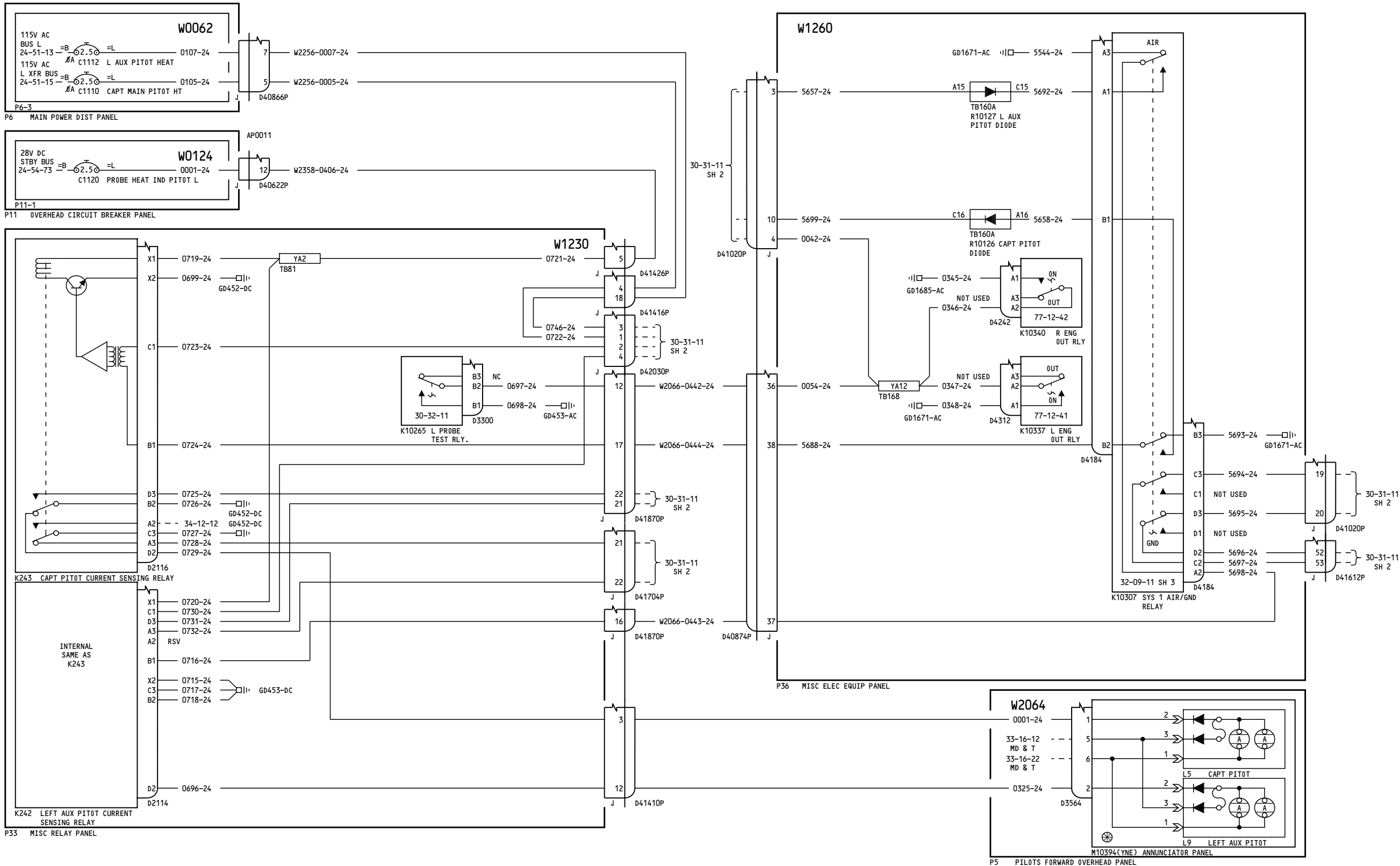
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PROBE HEAT - LEFT  
PITOT STATIC

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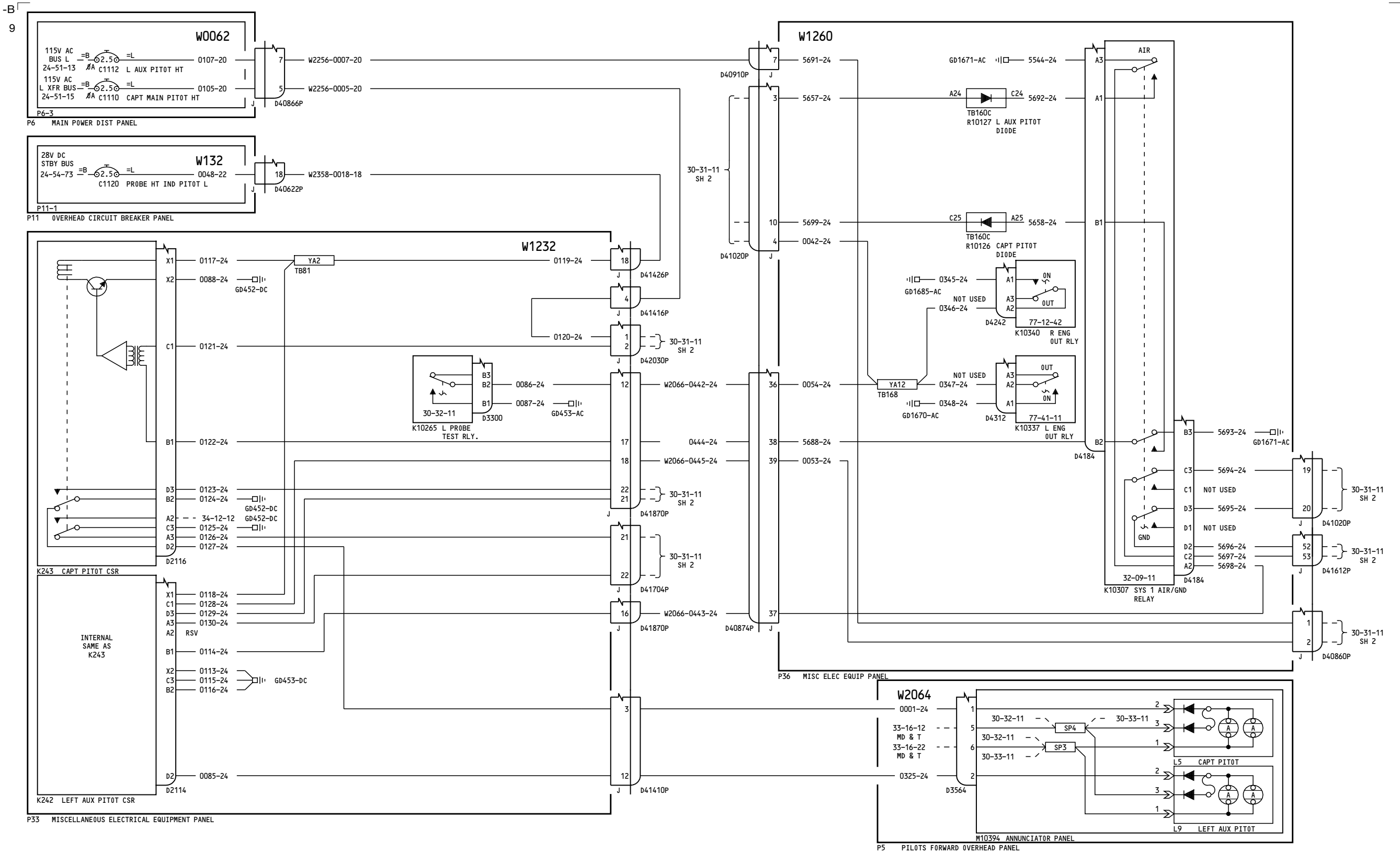
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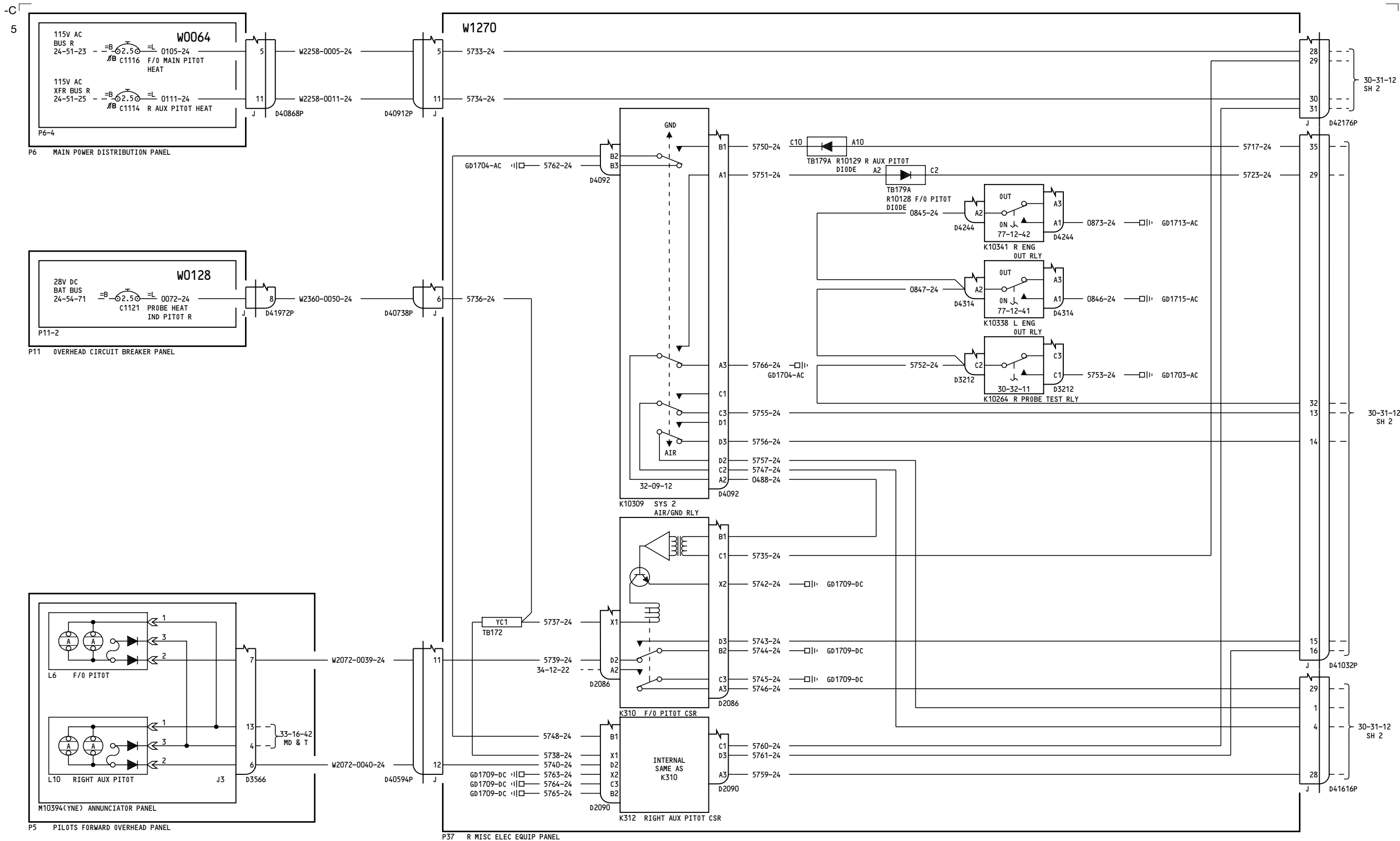


The diagram illustrates the electrical wiring for the EICAS system, showing connections between various panels and components. The main sections are:

- P36 LEFT MISC ELEC EQPT PANEL:** Contains terminals 3, 4, 10, 19, 20, 53, 52, 1, 2. It is connected to the E4-2 Shelf via wires W4420-0003-24, W4420-0020-24, W4202-0053-22, W4202-0052-22, W2054-0001-20, and W2054-0002-20.
- P37 RIGHT MISC ELEC EQPT PANEL:** Contains terminals 3, 4, 10, 19, 20. It is connected to the E4-2 Shelf via wires W4420-0003-24, W4420-0020-24, W4202-0053-22, W4202-0052-22, W2054-0001-20, and W2054-0002-20.
- P33 MISC ELECTRICAL EQUIPMENT PANEL:** Contains terminals 11, 15, 21, 22. It is connected to the E4-2 Shelf via wires W2066-0446-24, W2066-0447-24, W4202-0055-22, and W4202-0054-22.
- E4-2 SHELF:** Contains two EICAS computers (M10182 R EICAS CMPTR and M10181 L EICAS CMPTR) and two pitot probe stations (B26 CAPTAINS PITOT PROBE STA 210 WL 220 and B27 LEFT AUX PITOT PROBE STA 210 WL 208).

The diagram also includes numerous wire numbers (e.g., W4420-0003-24, W4420-0020-24, W4202-0053-22, W4202-0052-22, W2054-0001-20, W2054-0002-20, W2066-0446-24, W2066-0447-24, W4202-0055-22, W4202-0054-22) and terminal numbers (e.g., 3, 4, 10, 19, 20, 53, 52, 1, 2, 11, 15, 21, 22). It also shows two relays (K204 and K10308) and two pitot probe stations (B26 and B27).

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PROBE HEAT - RIGHT  
PITOT STATIC

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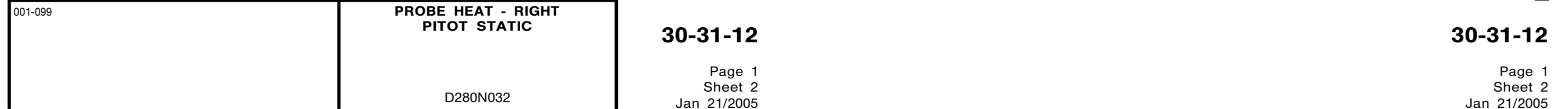
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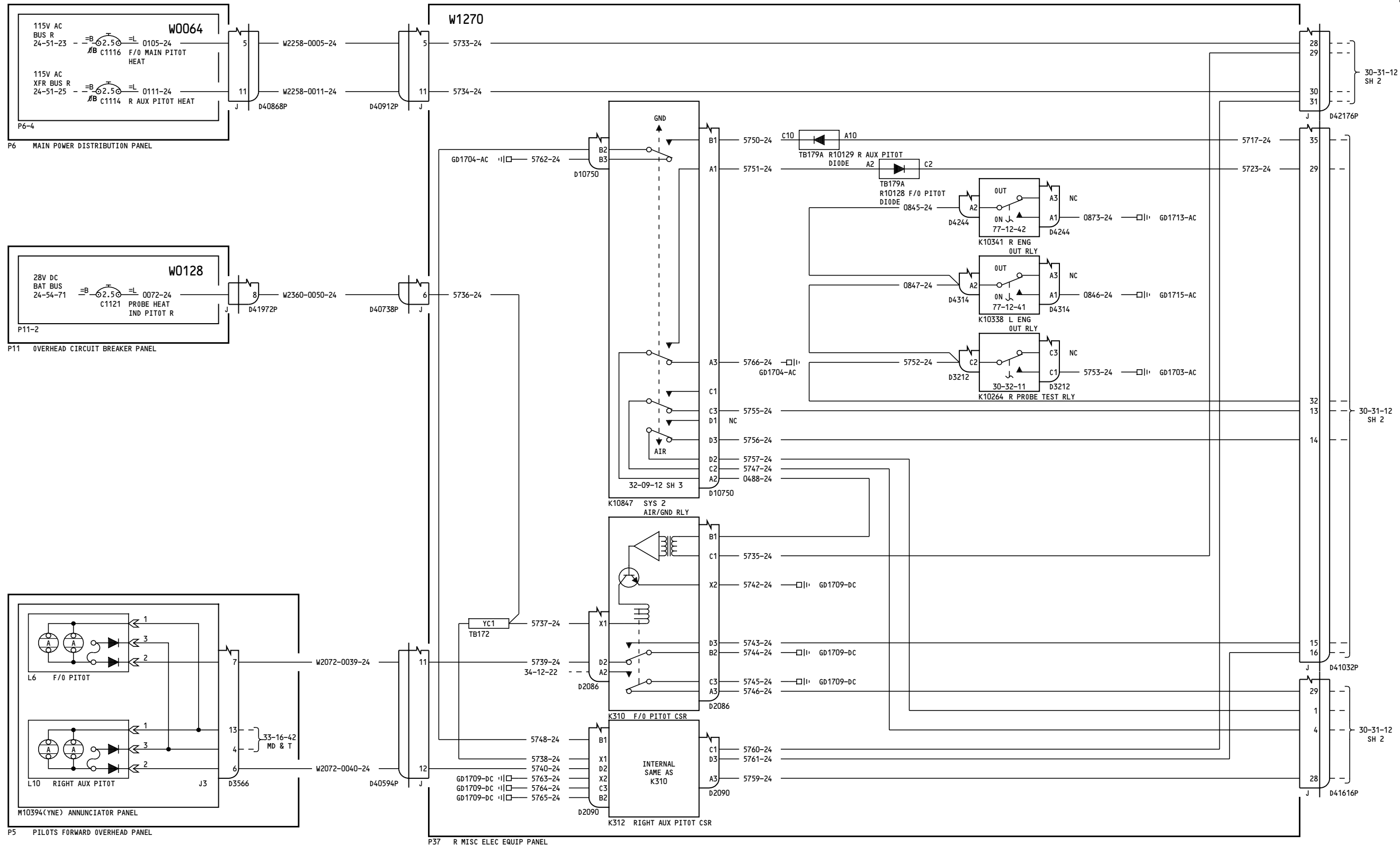
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**PROBE HEAT - RIGHT  
PITOT STATIC**

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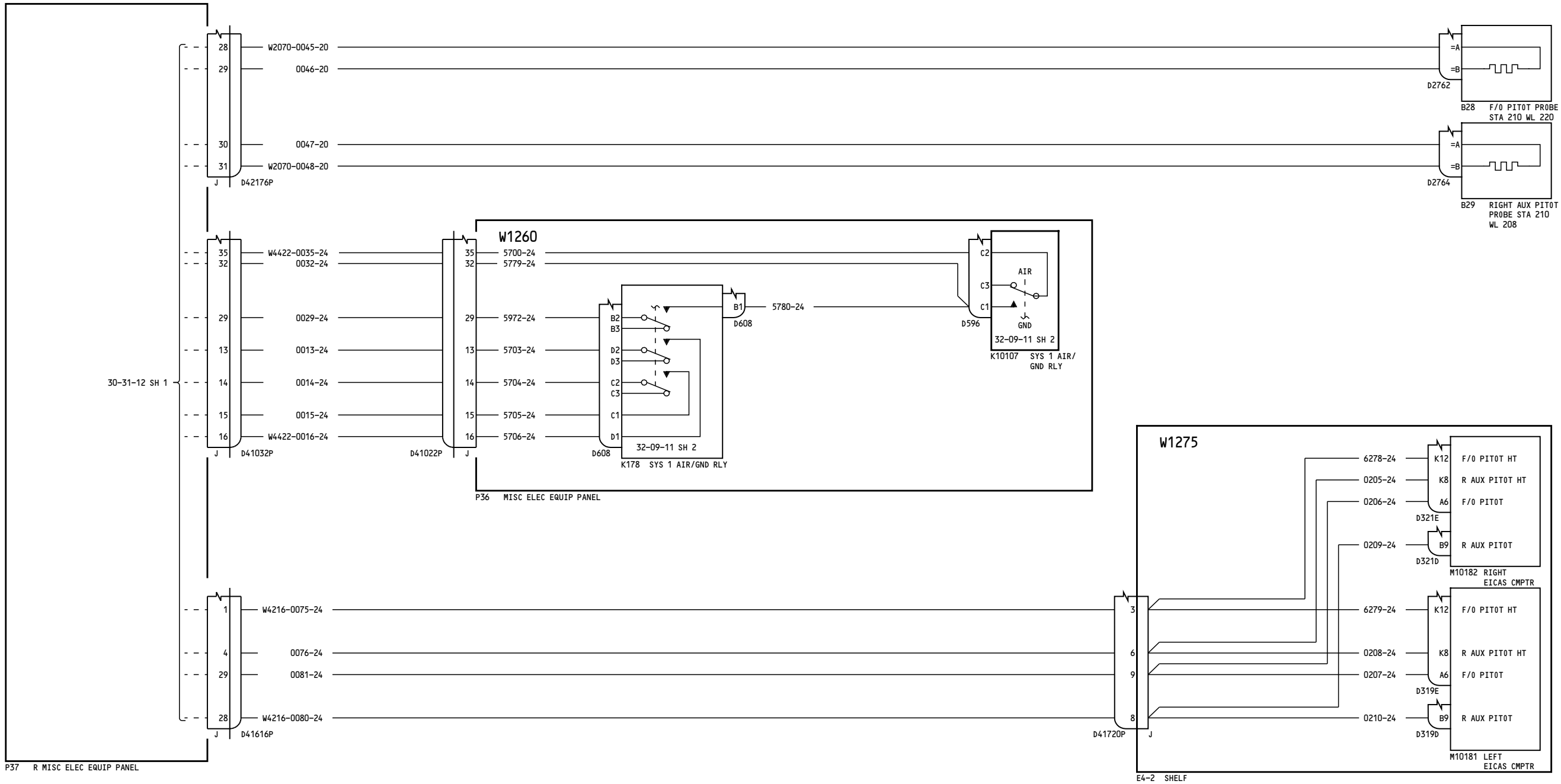
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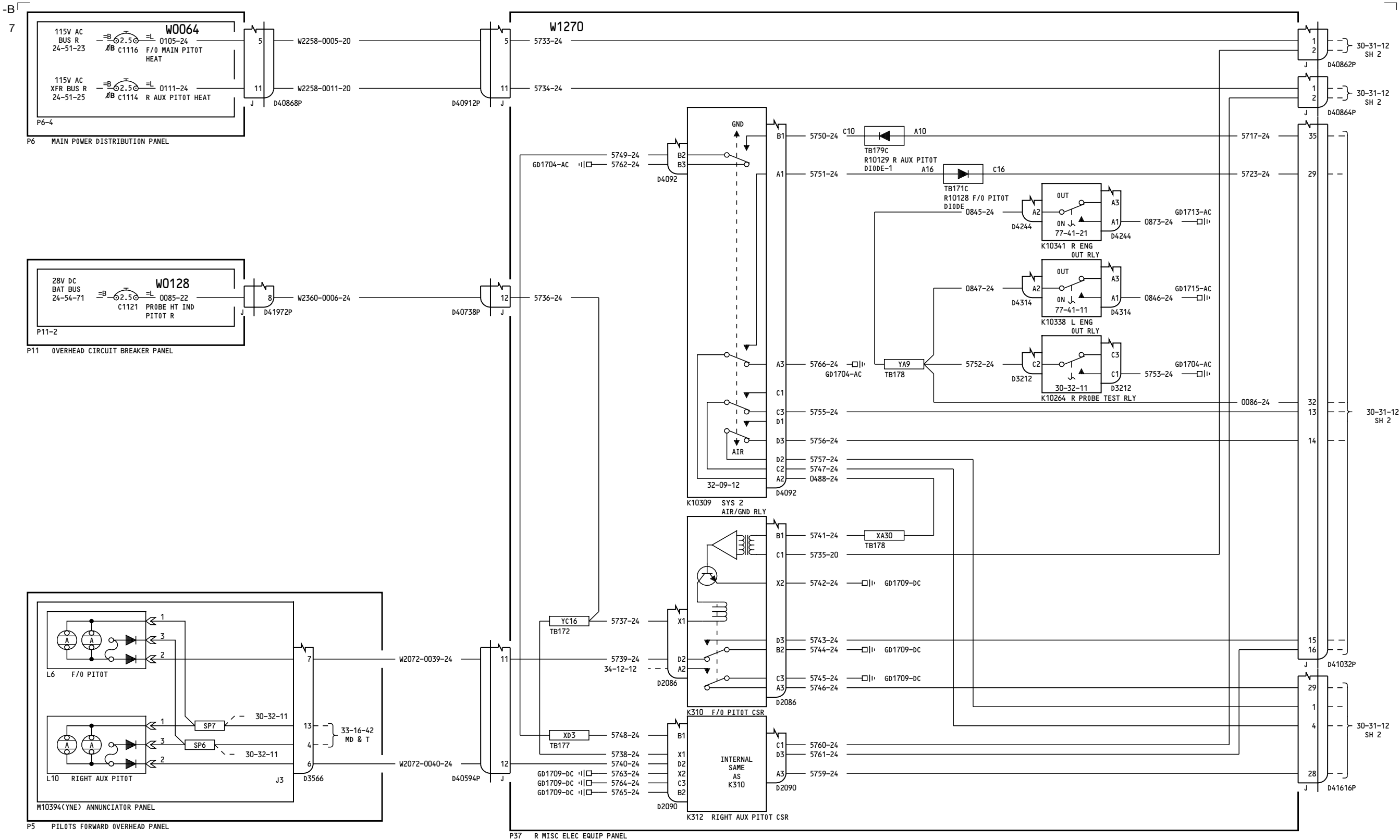
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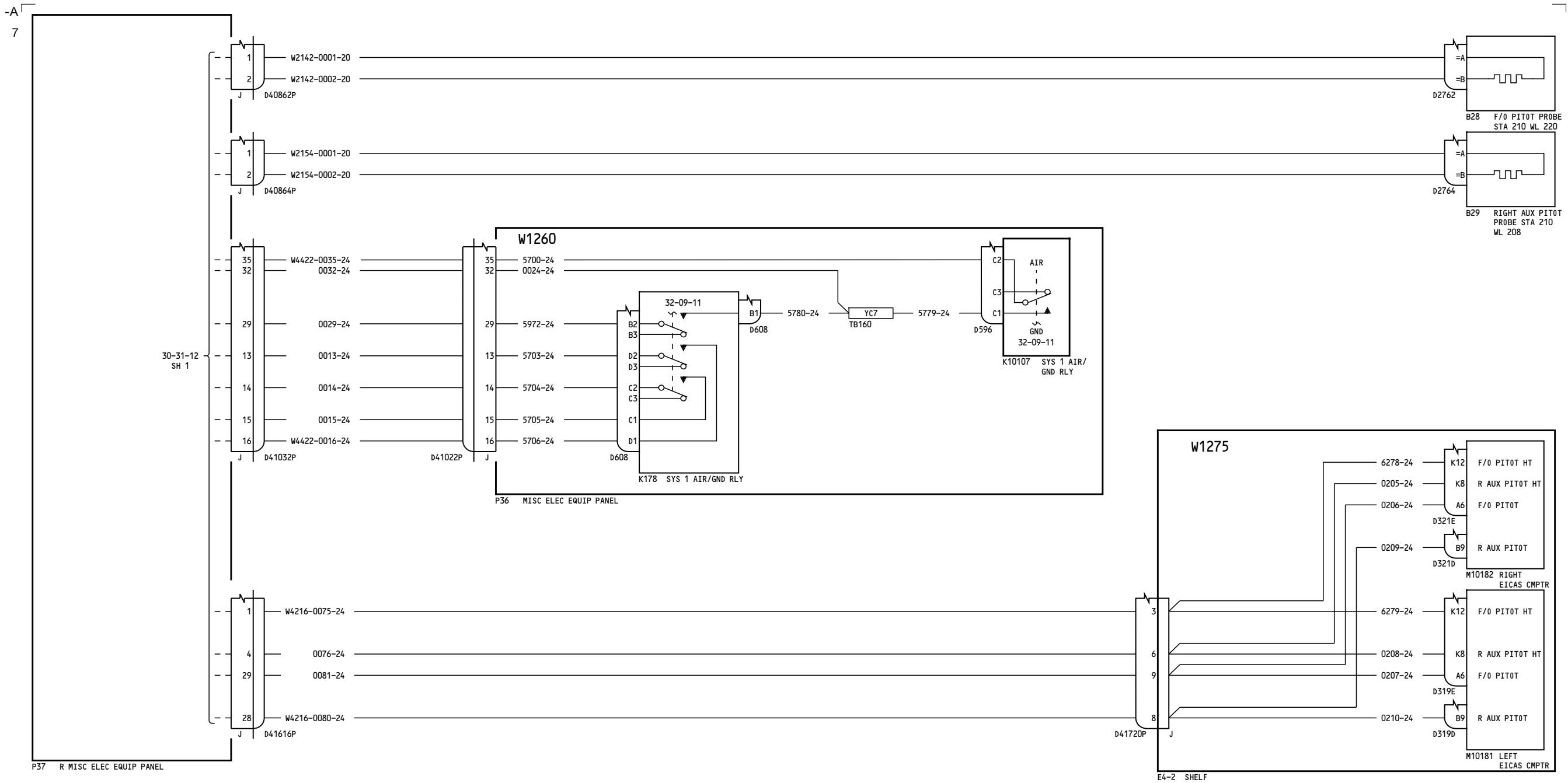
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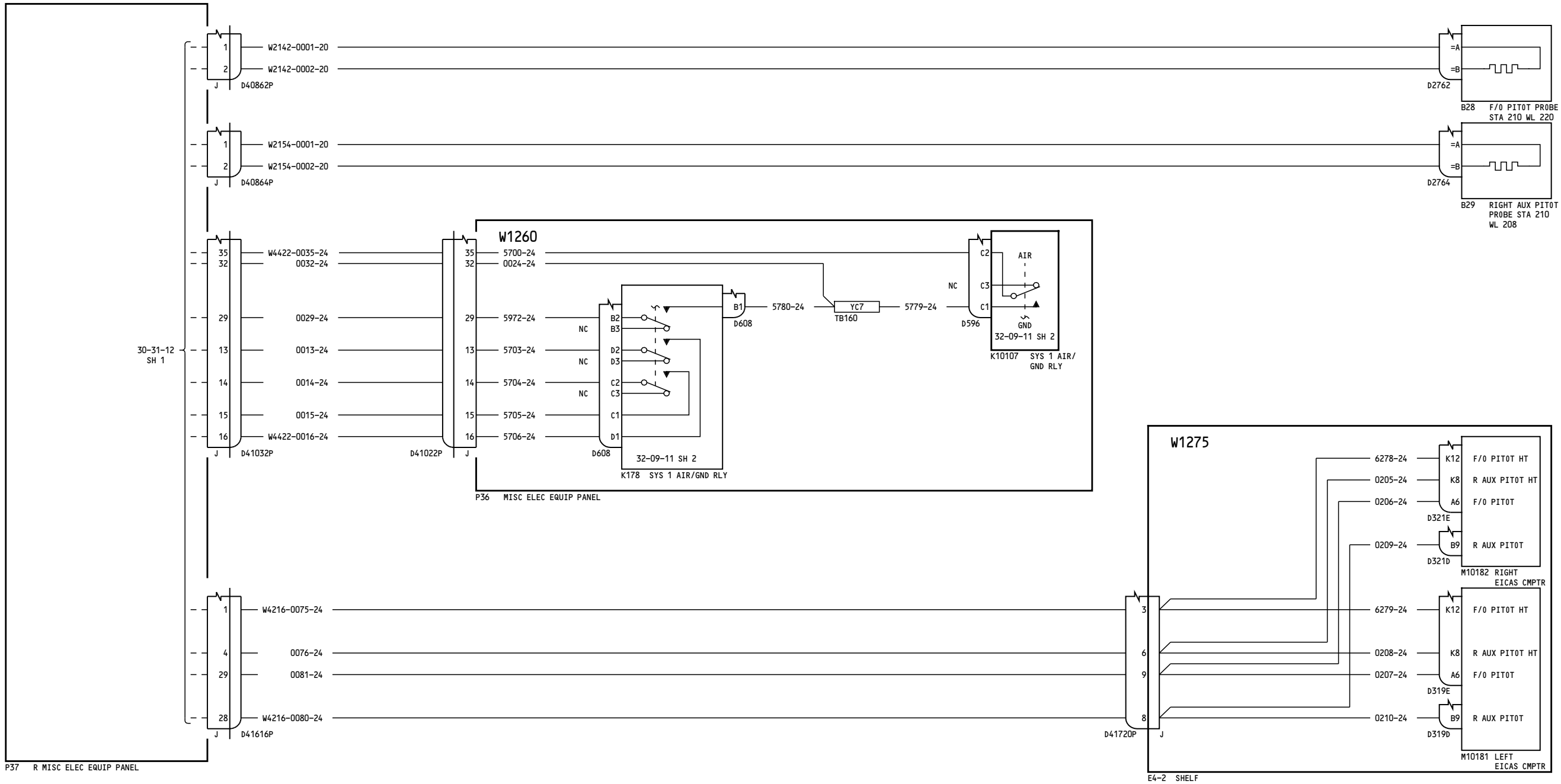
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**PROBE HEAT - RIGHT  
PITOT STATIC**

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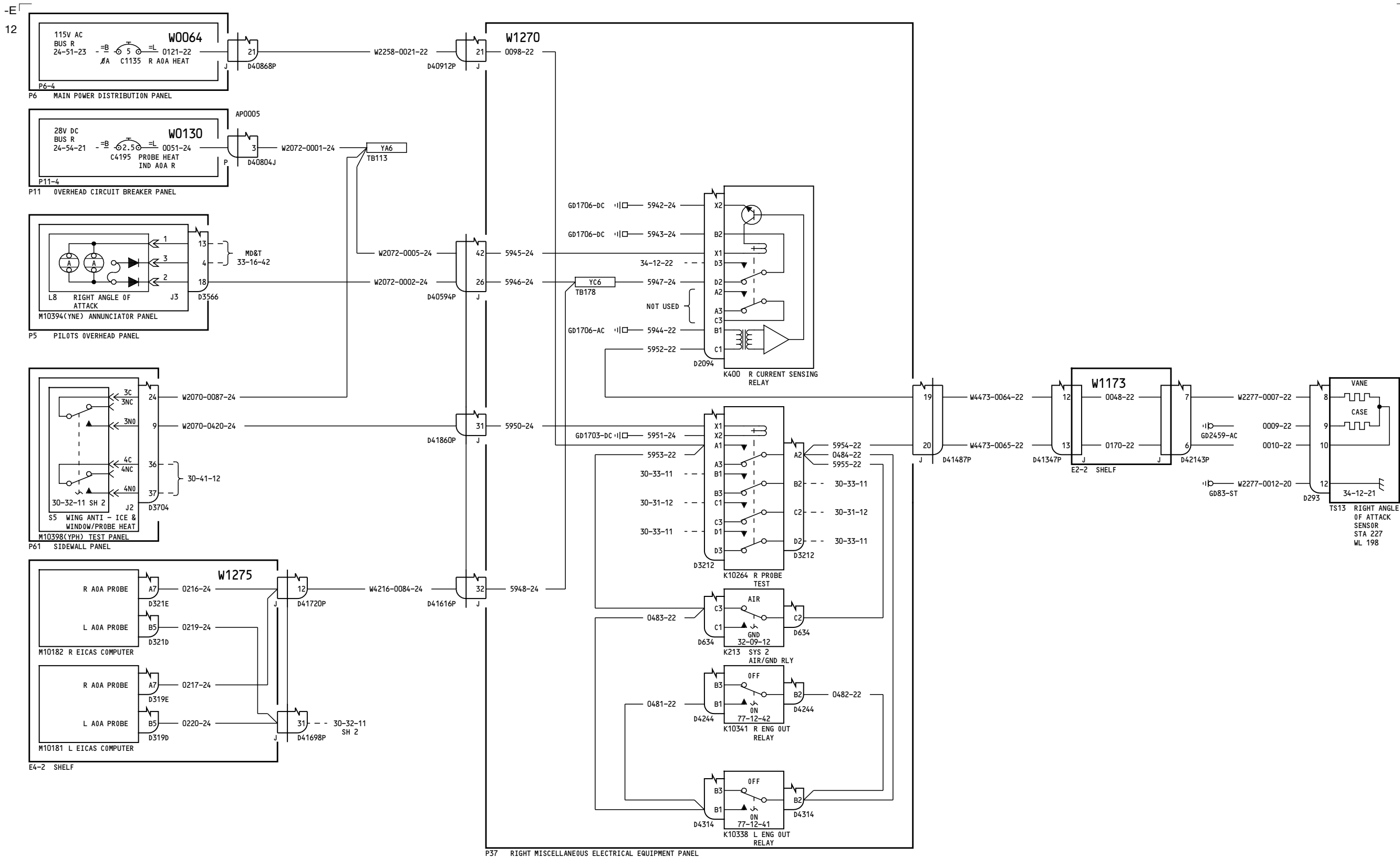
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PROBE HEAT -  
ANGLE OF ATTACK

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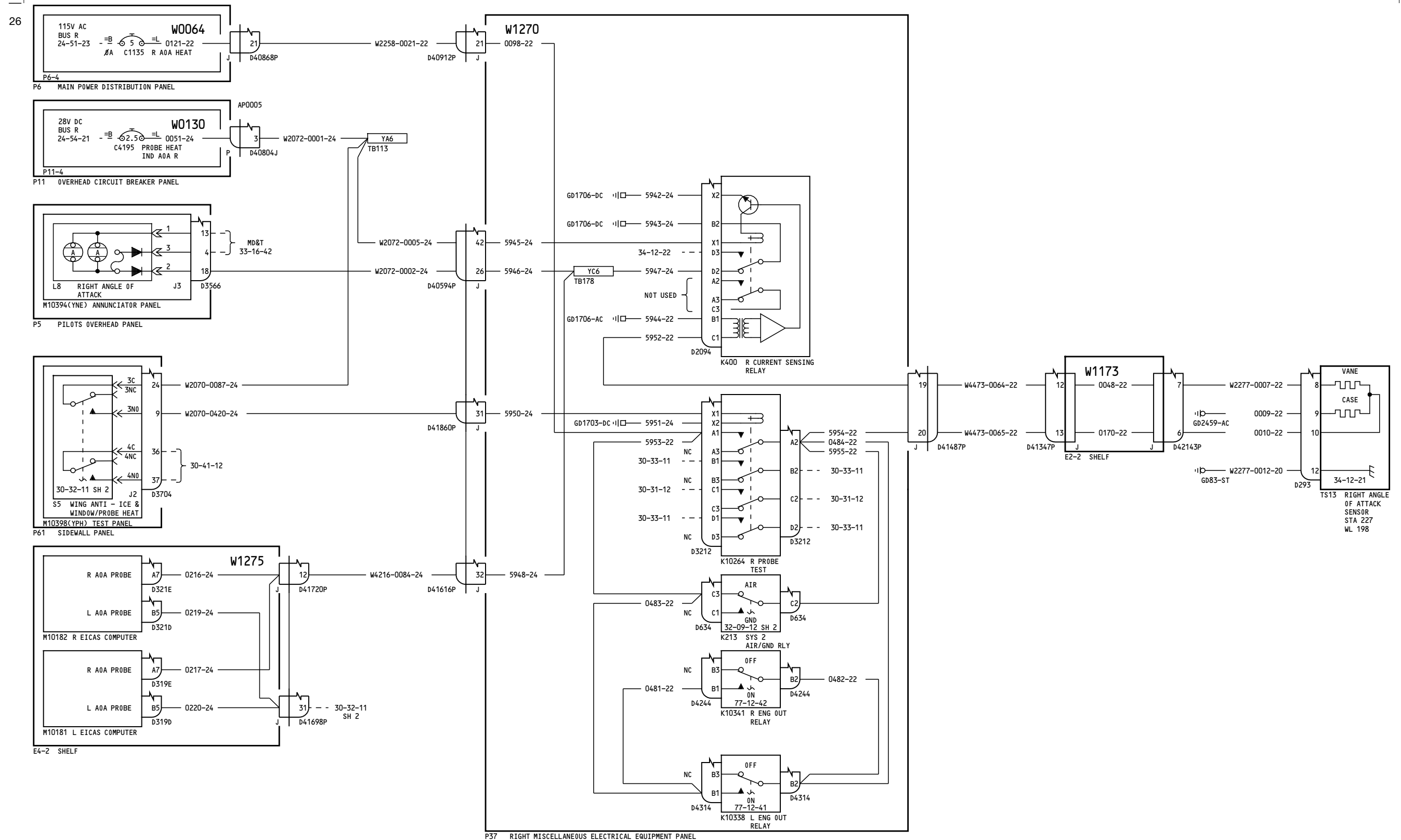
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### PROBE HEAT - ANGLE OF ATTACK

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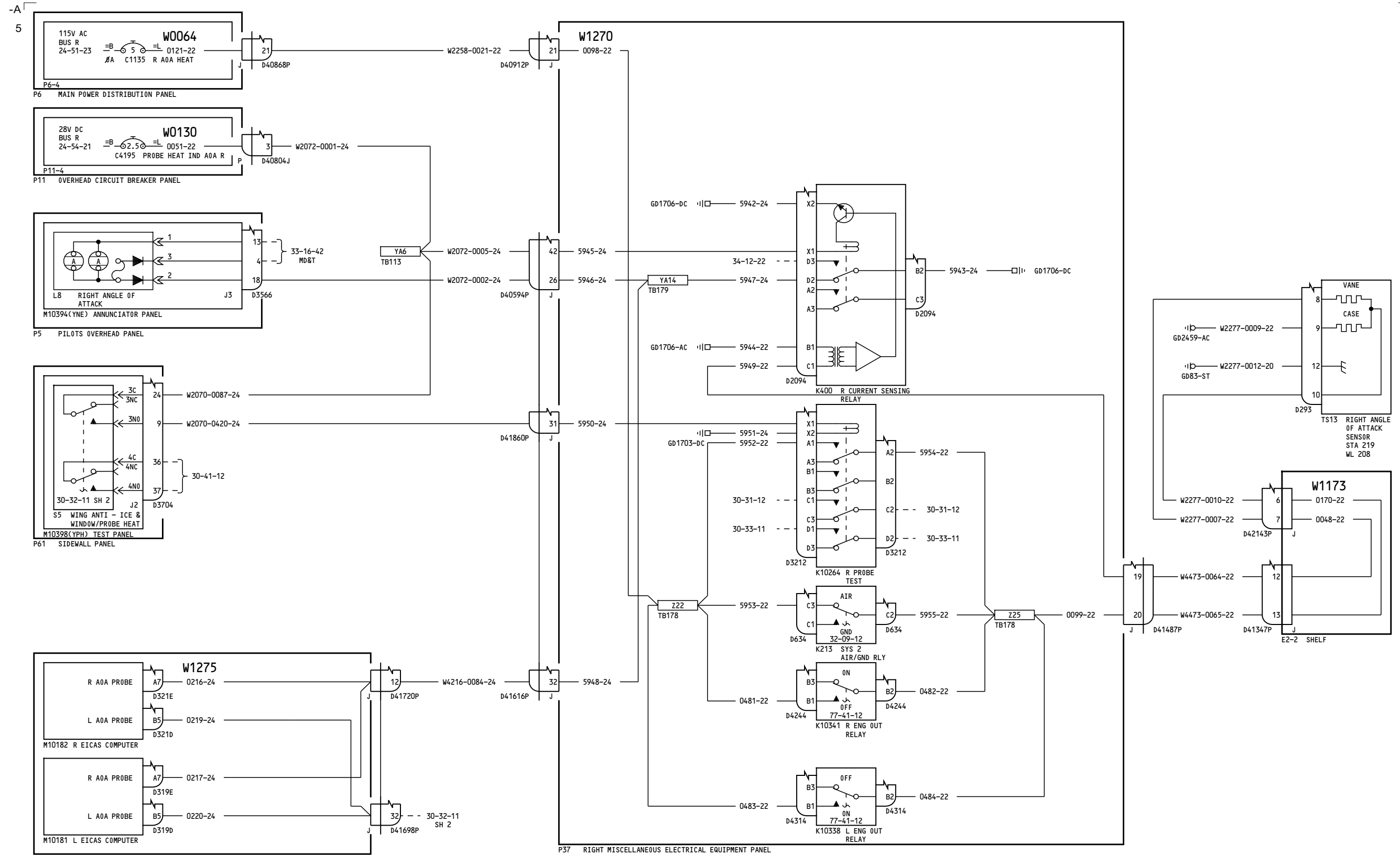
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**PROBE HEAT -  
ANGLE OF ATTACK**

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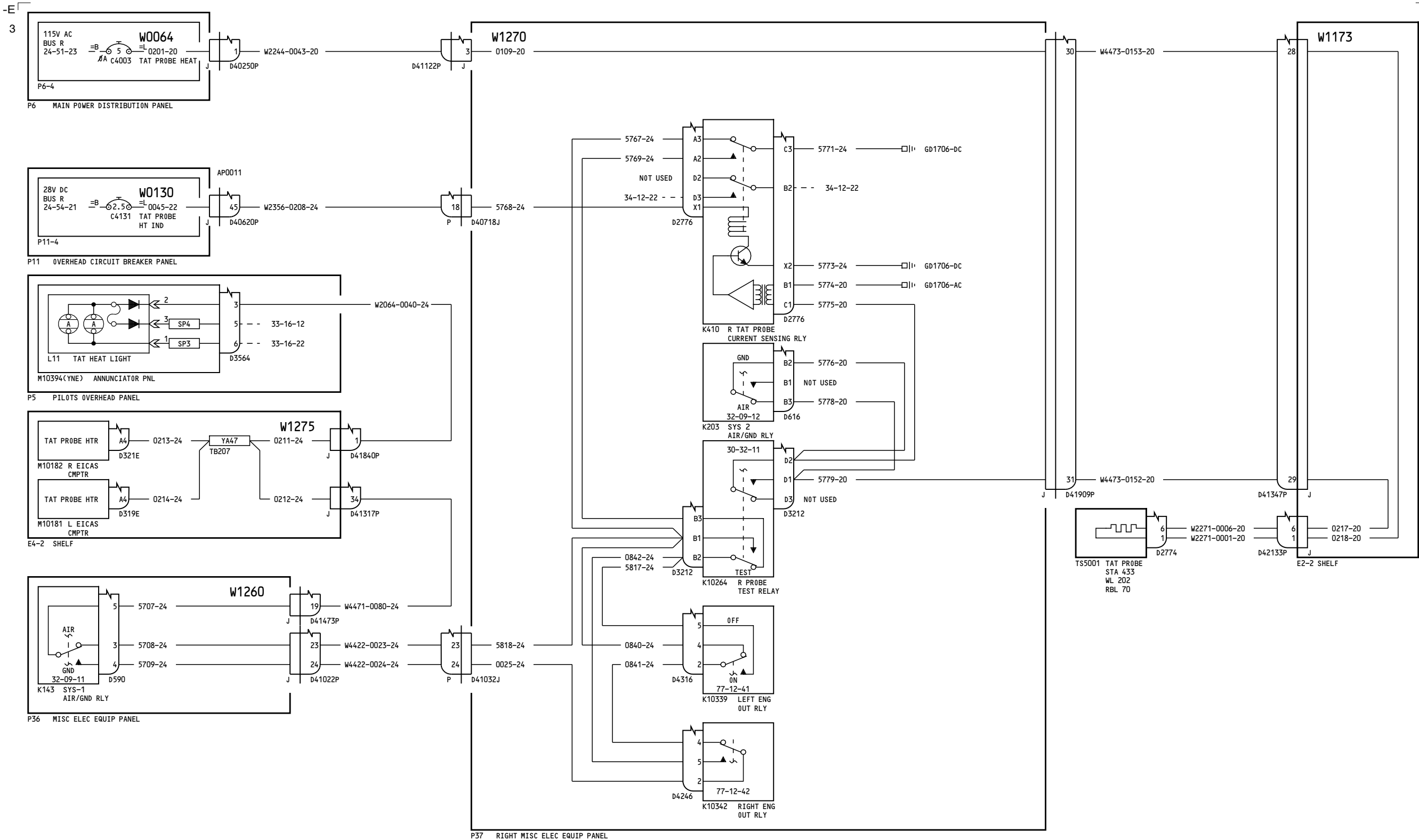
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PROBE HEAT - TOTAL AIR TEMPERATURE

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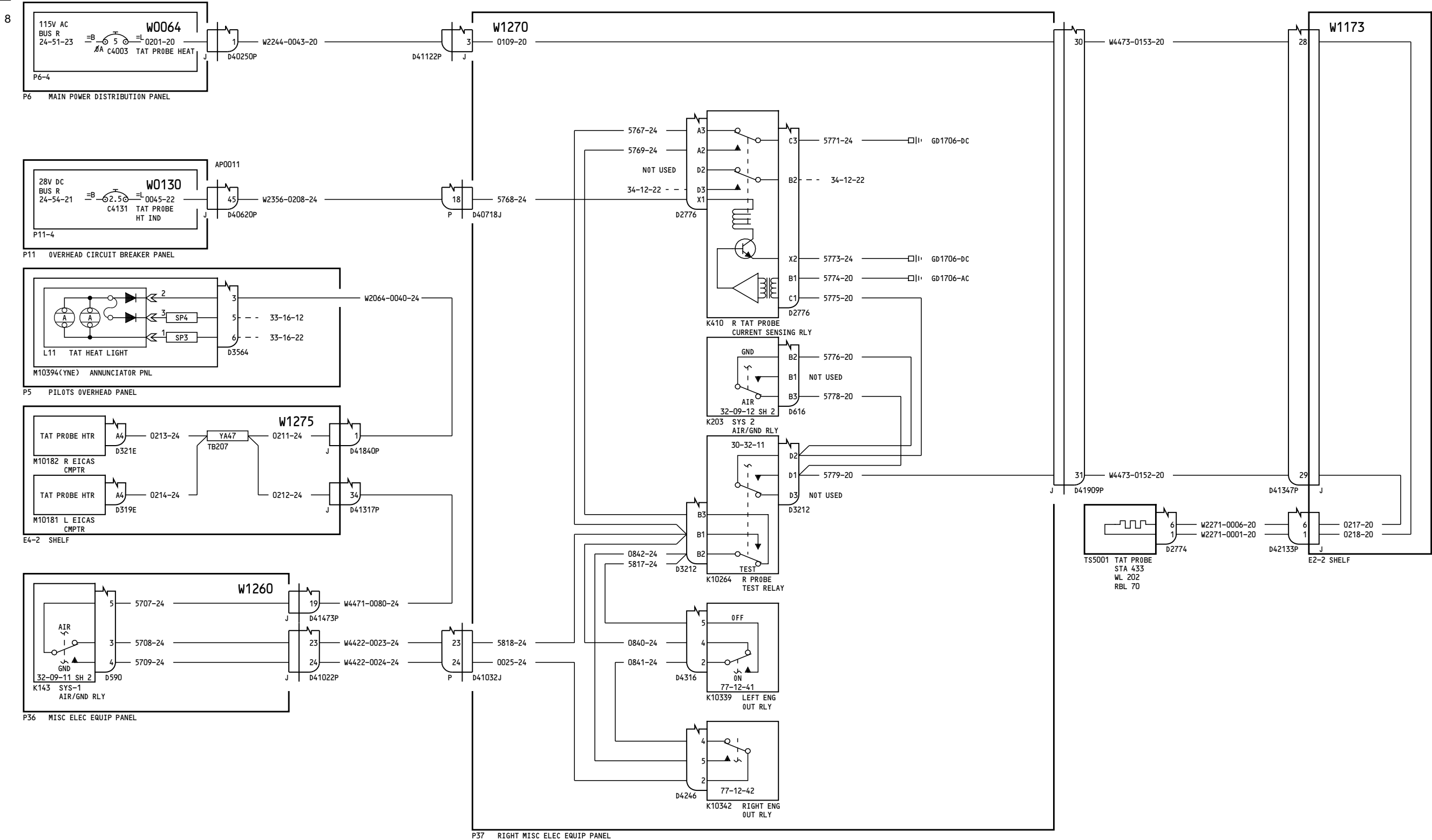
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PROBE HEAT - TOTAL AIR TEMPERATURE

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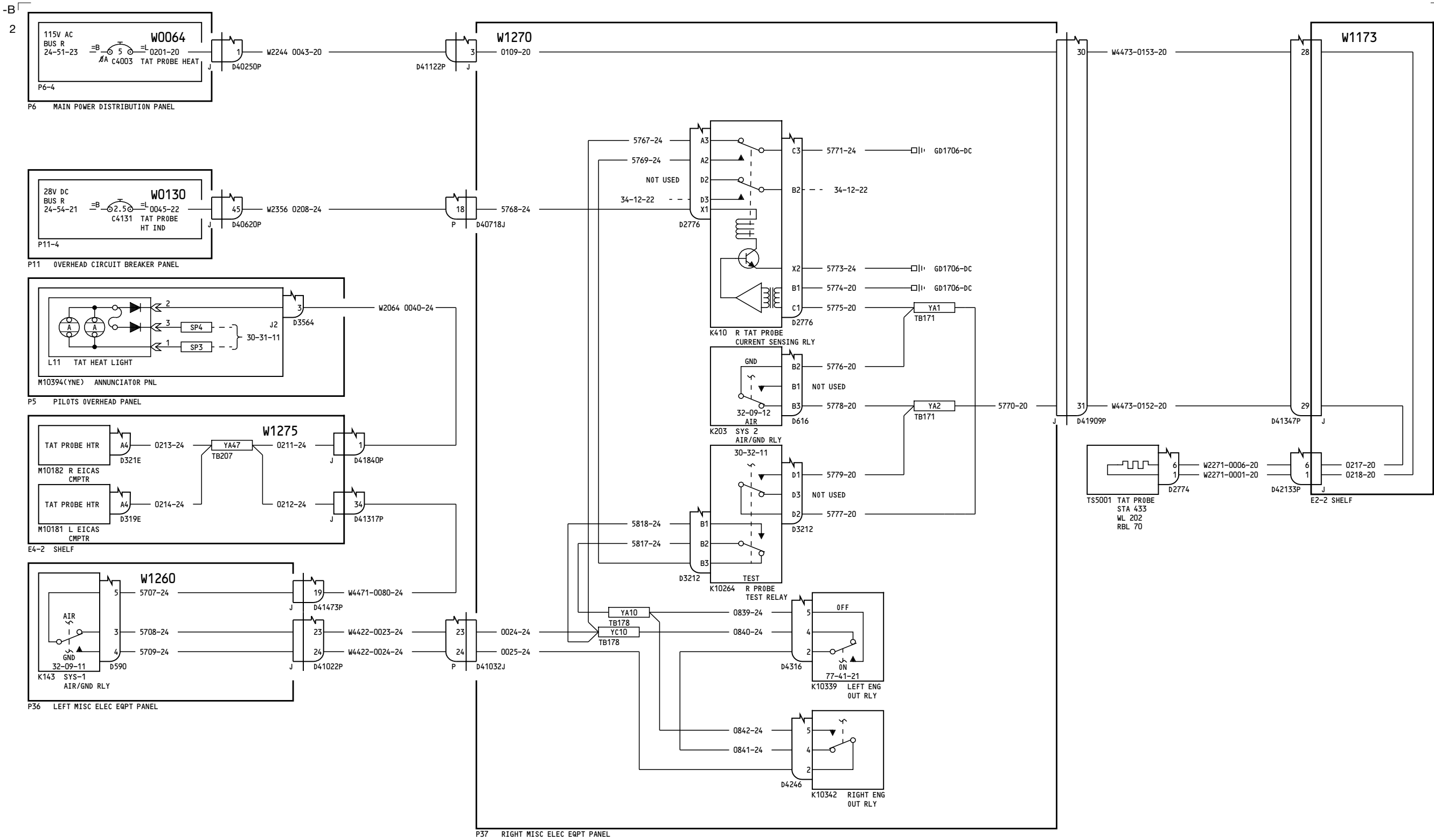
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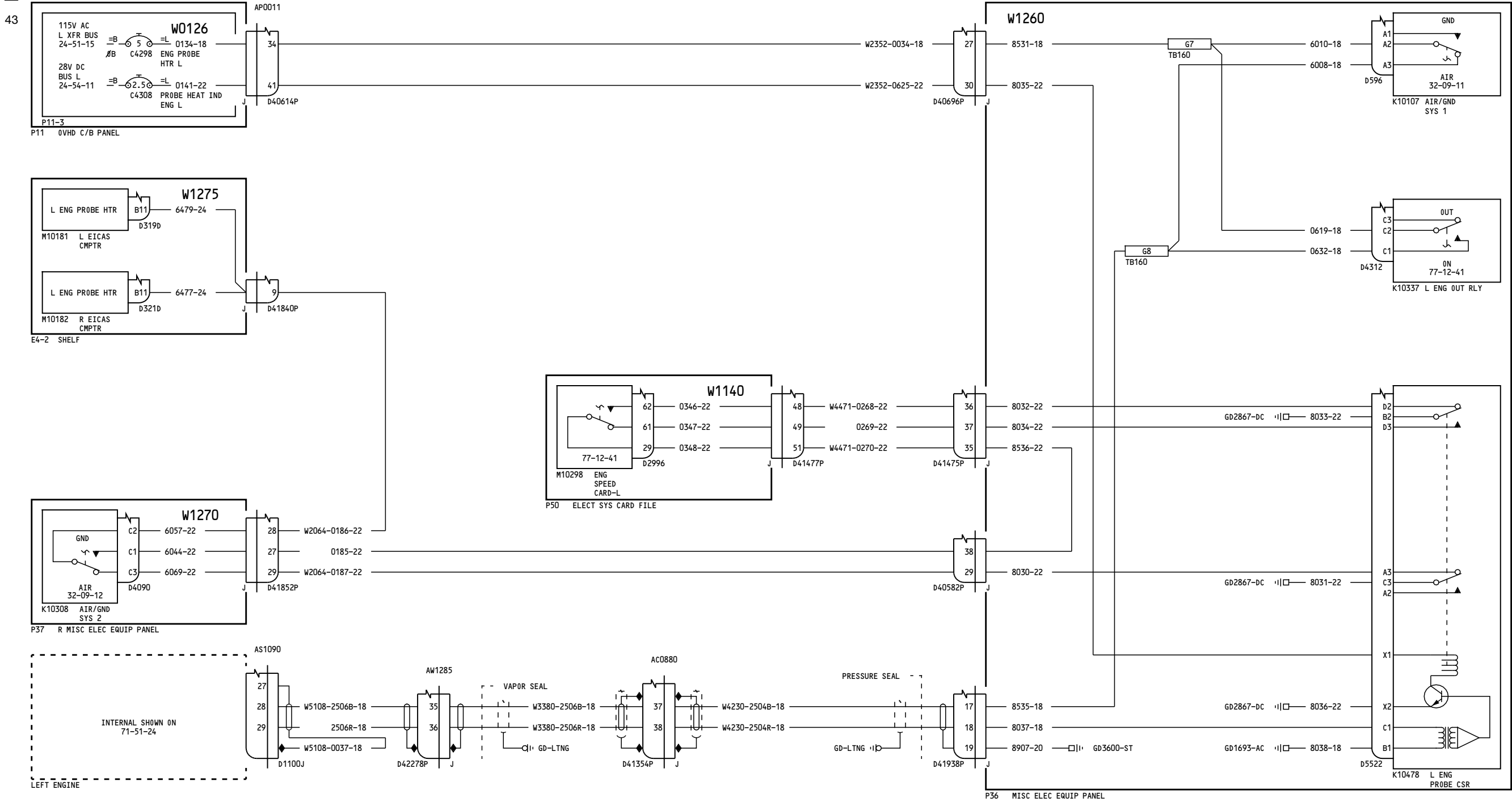
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P1 ENGINE  
PROBE HEAT - LEFT

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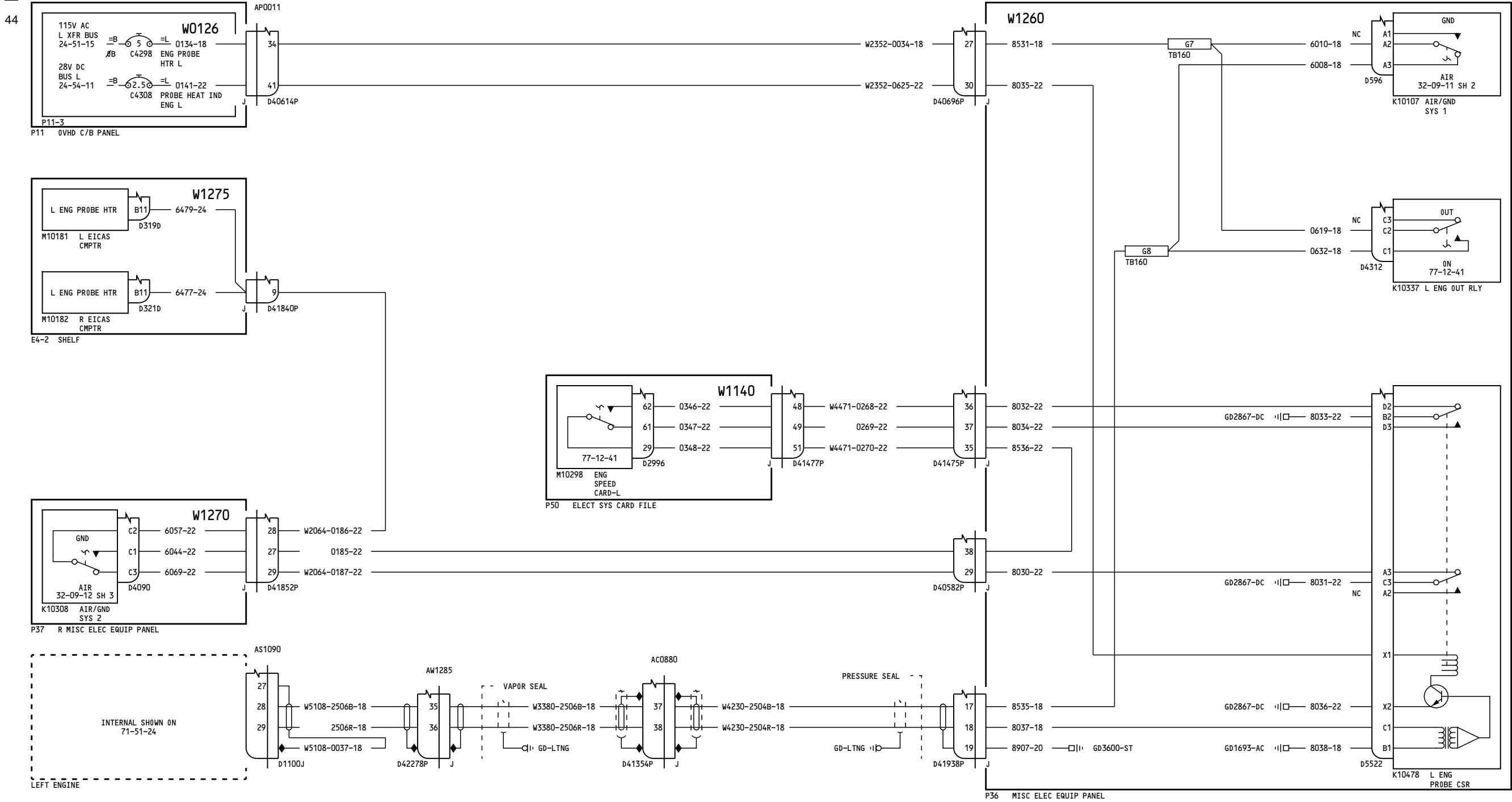
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P1 ENGINE  
PROBE HEAT - LEFT

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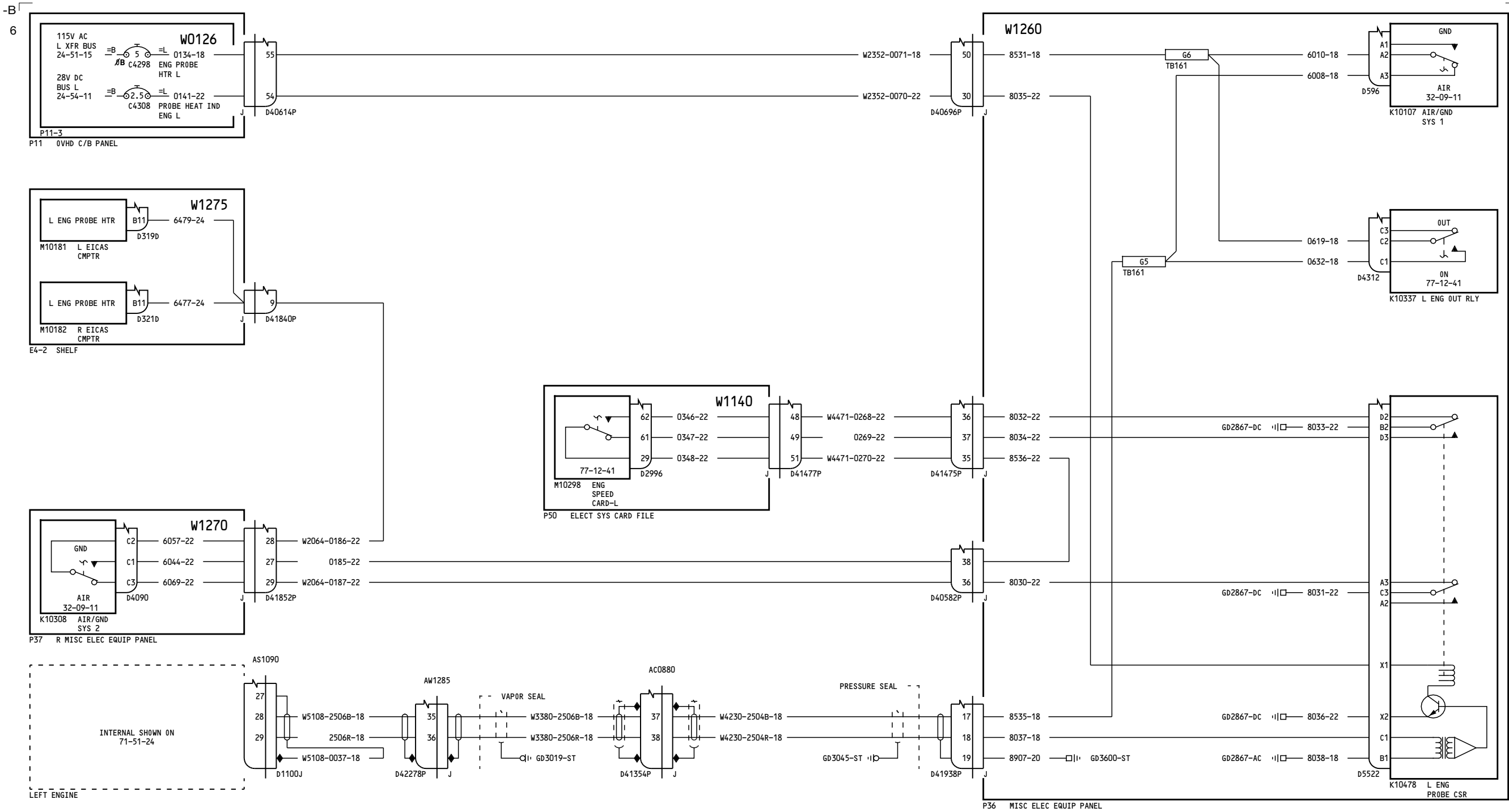
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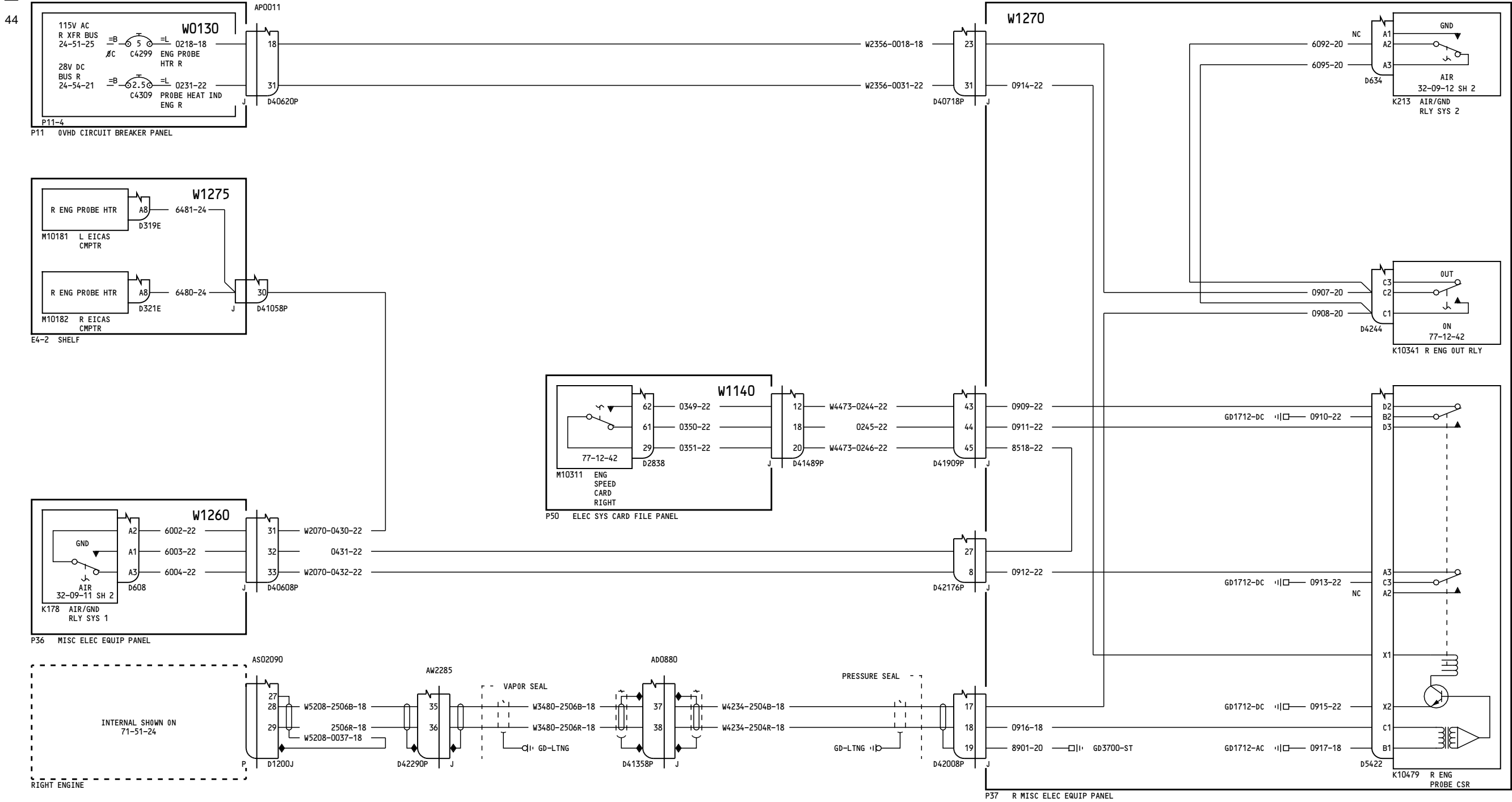
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P1 ENGINE  
PROBE HEAT - RIGHT

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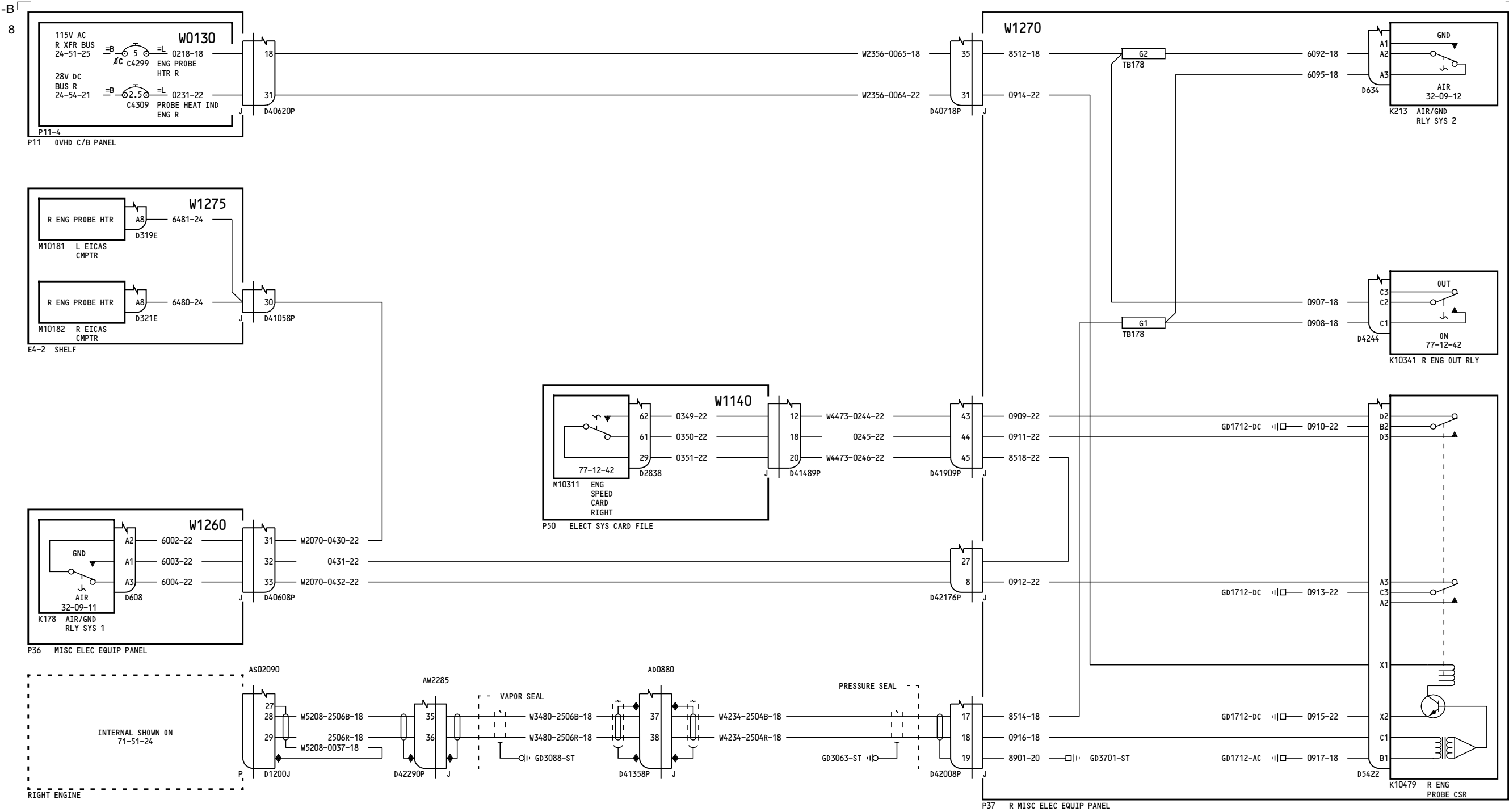
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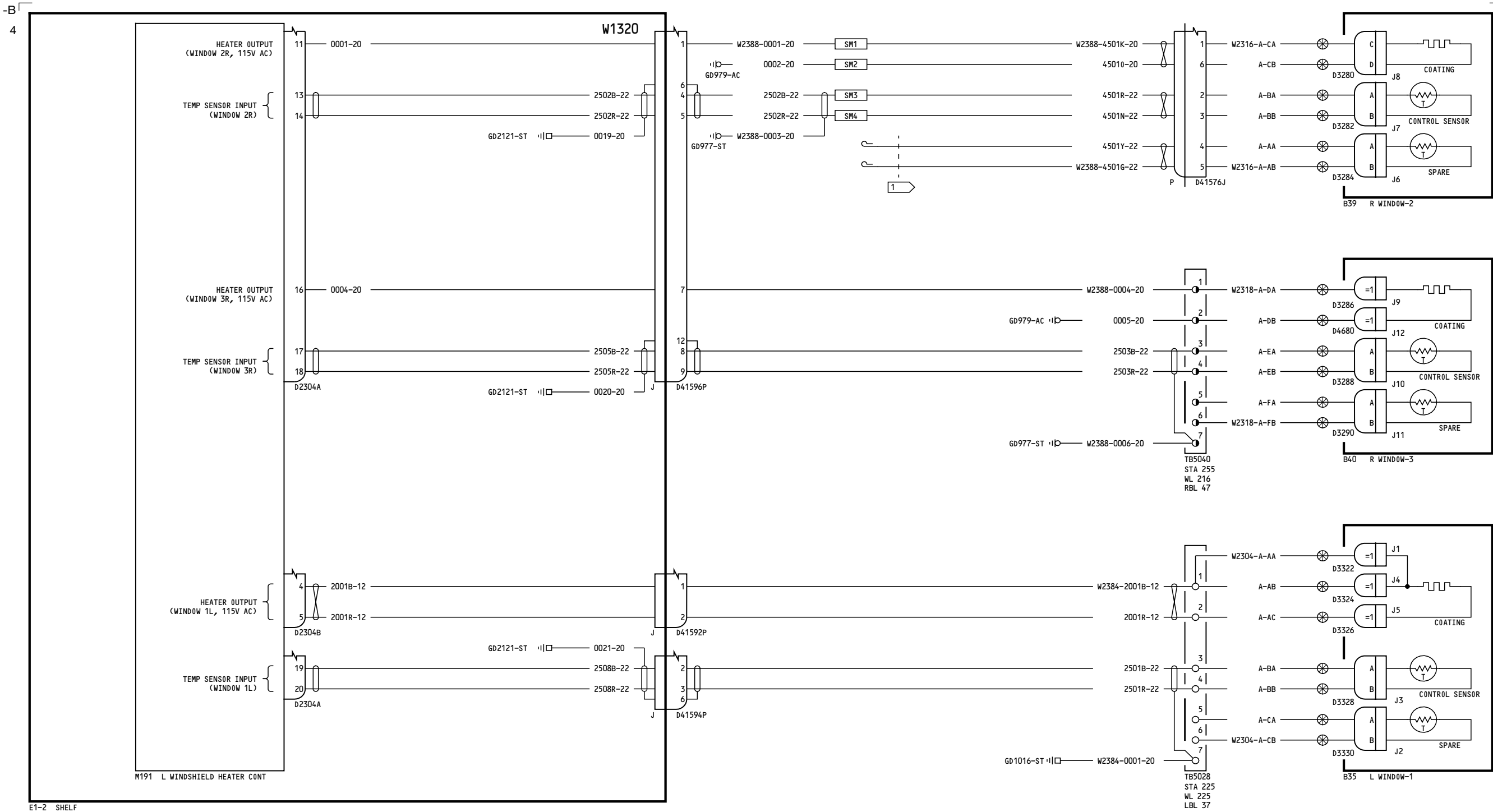


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NOTES:

1 CAP AND STOW NEAR SM4

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WINDOW HEAT - NO.1 LEFT  
AND NO.2 RIGHT

D280N032

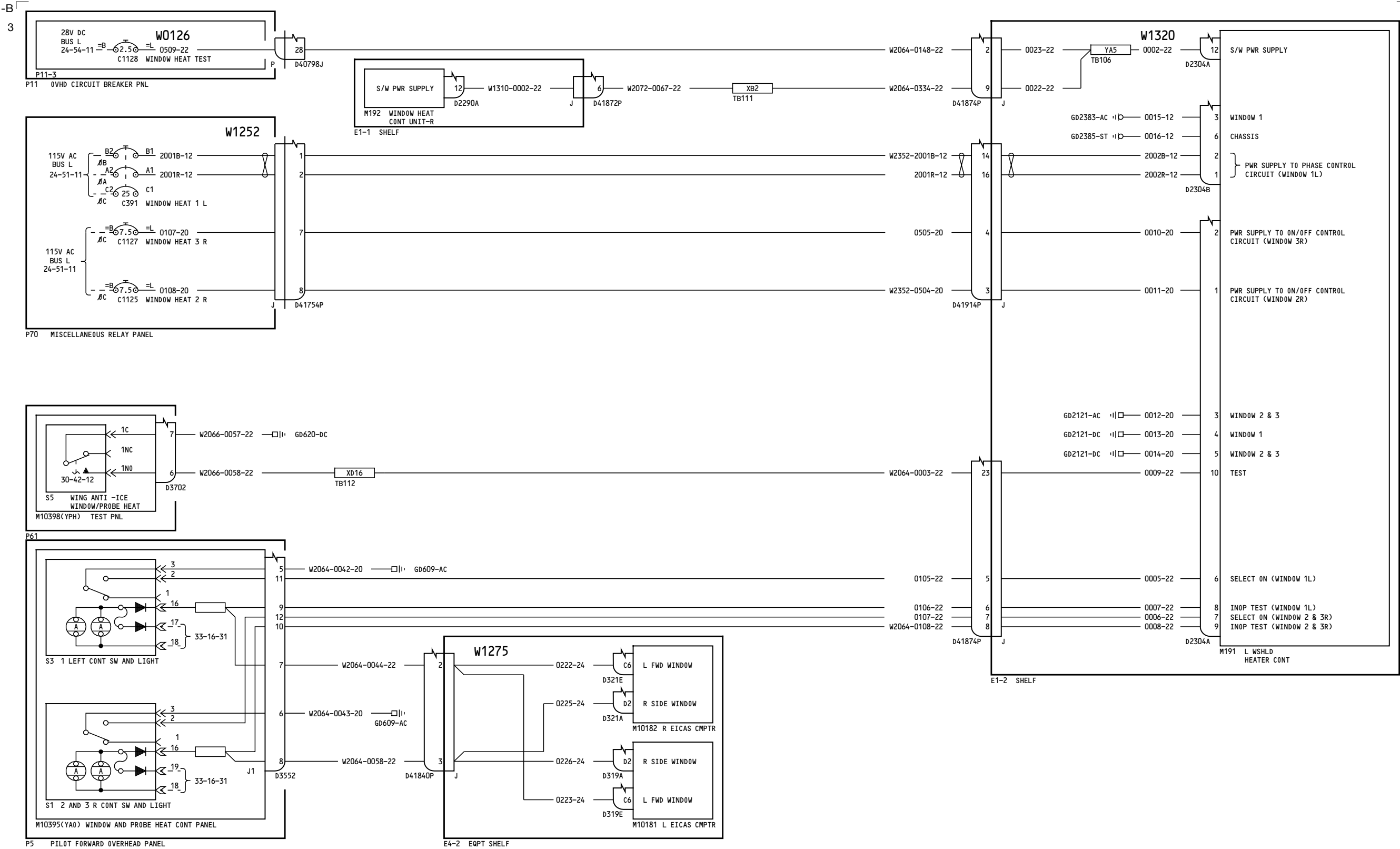
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WINDOW HEAT - NO.1 LEFT  
AND NO.2 RIGHT

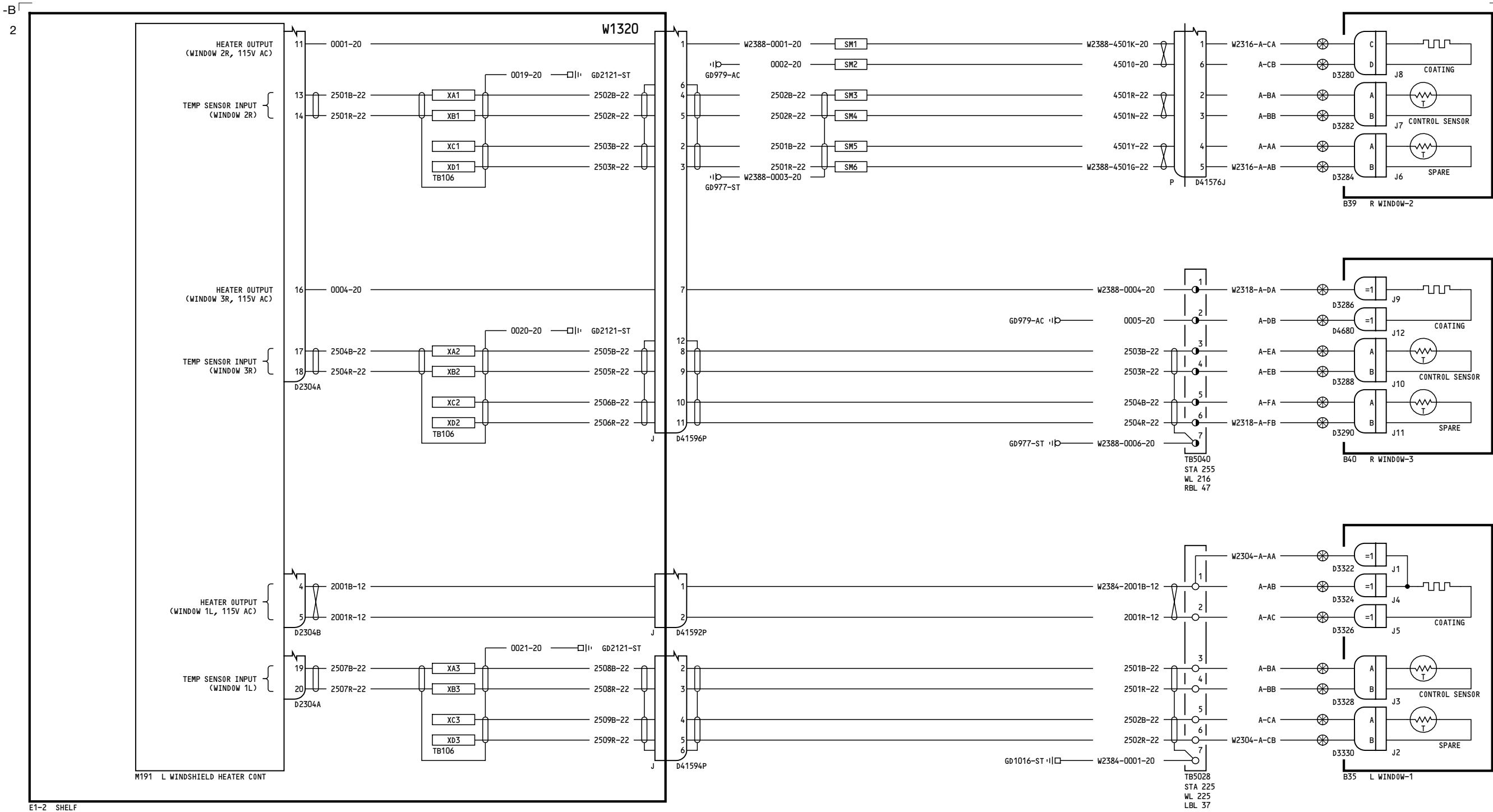
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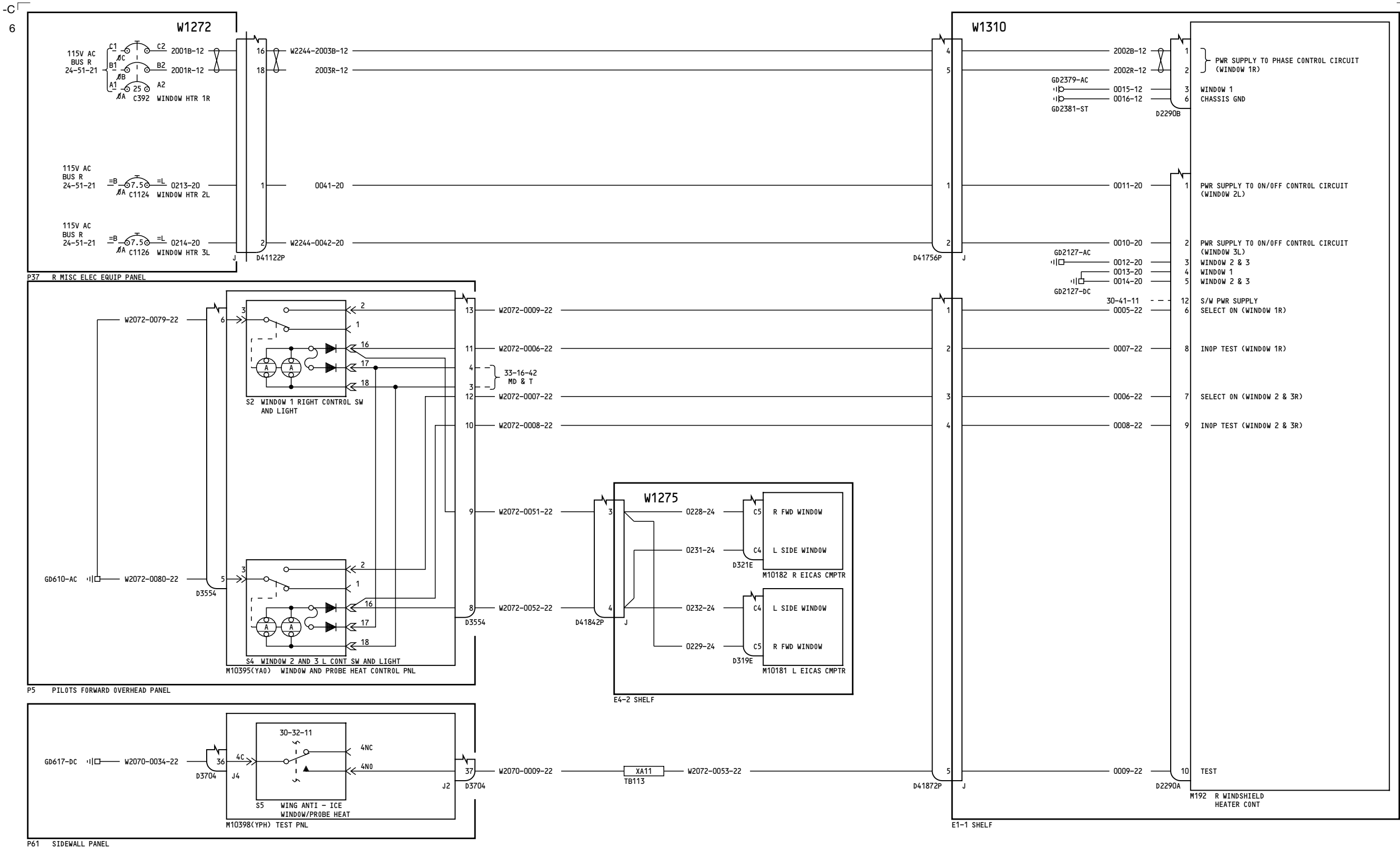
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WINDOW HEAT - NO.1 RIGHT  
AND NO.2 LEFT

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E1-1 SHELF



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**WINDOW HEAT - NO.1 RIGHT  
AND NO.2 LEFT**

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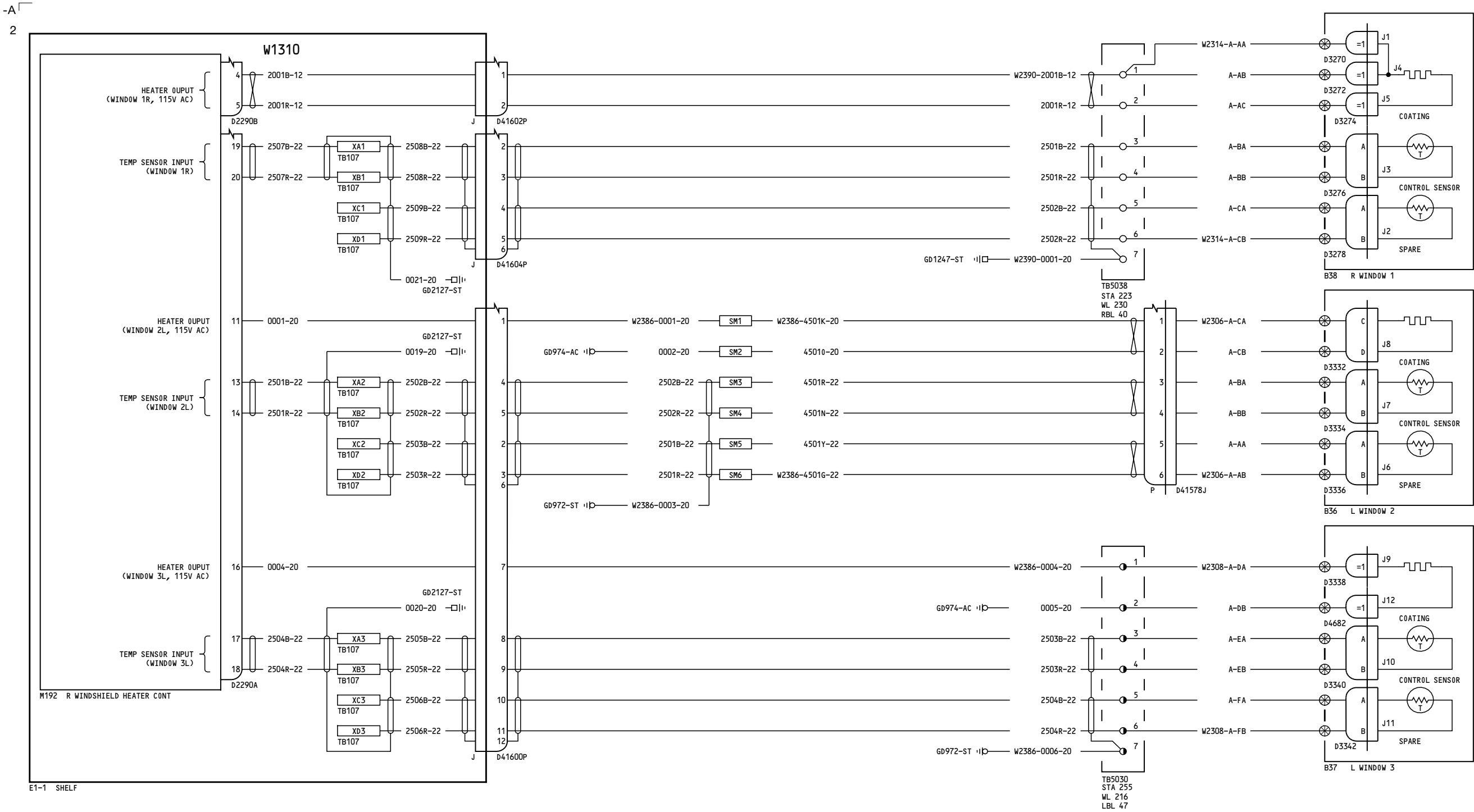
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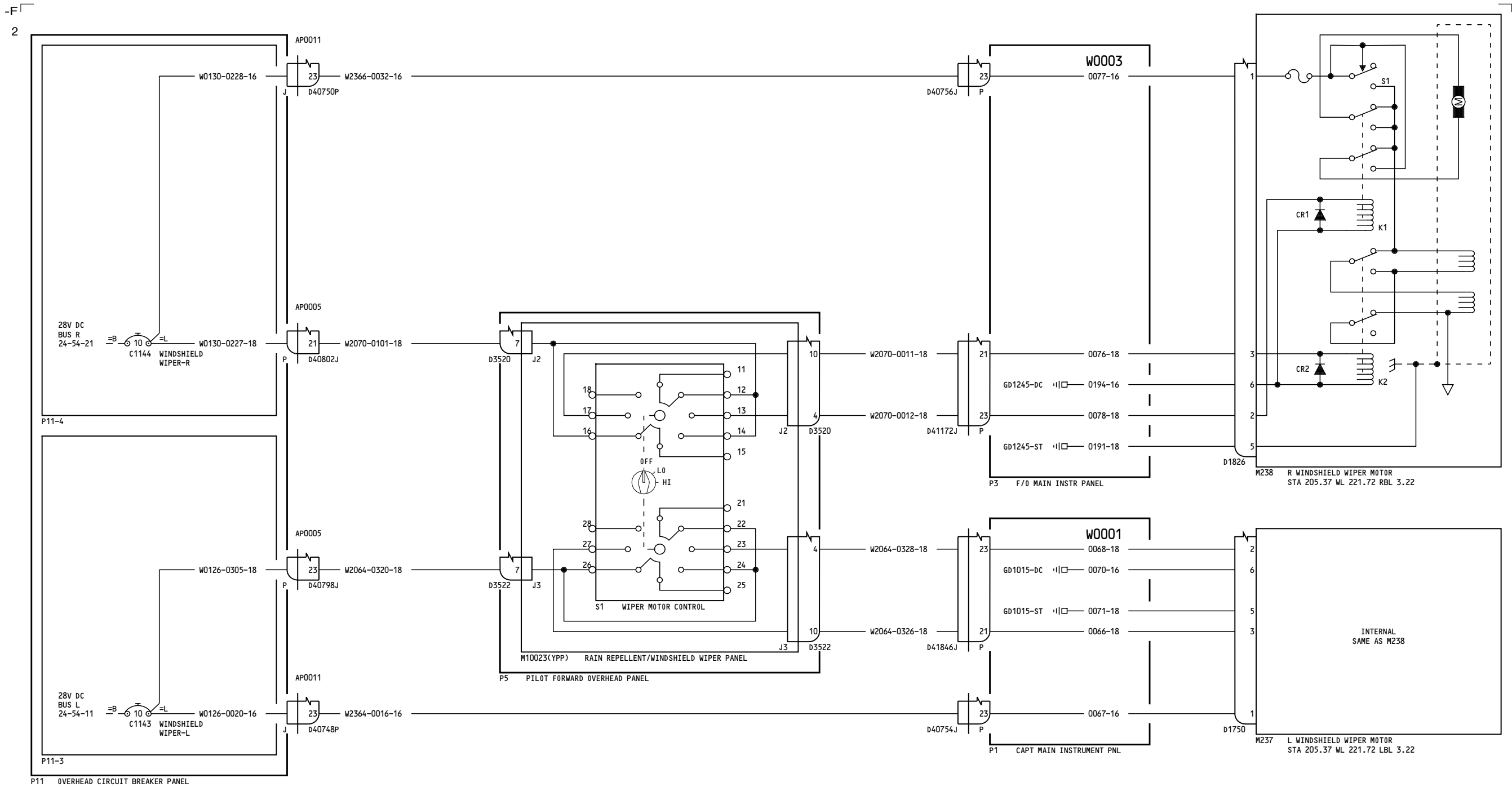
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ALL	WINDSHIELD WIPERS
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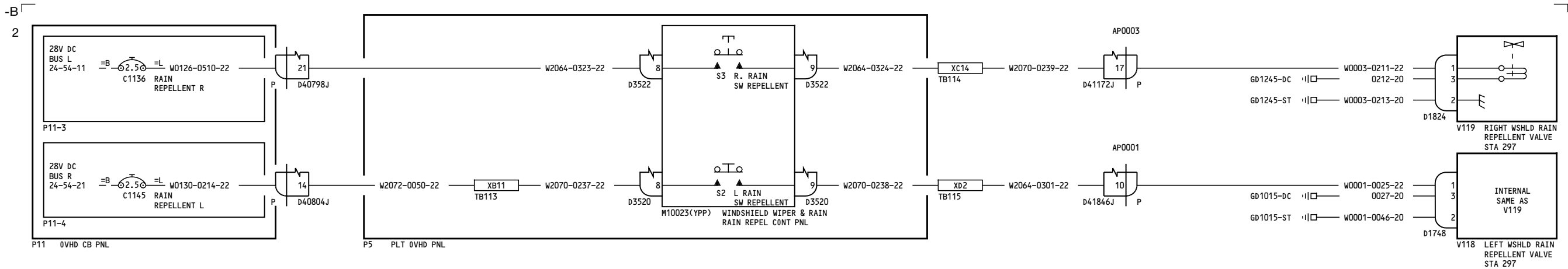
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ALL

WINDSHIELD RAIN REPELLENT

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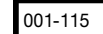
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## DRAIN MAST HEATERS

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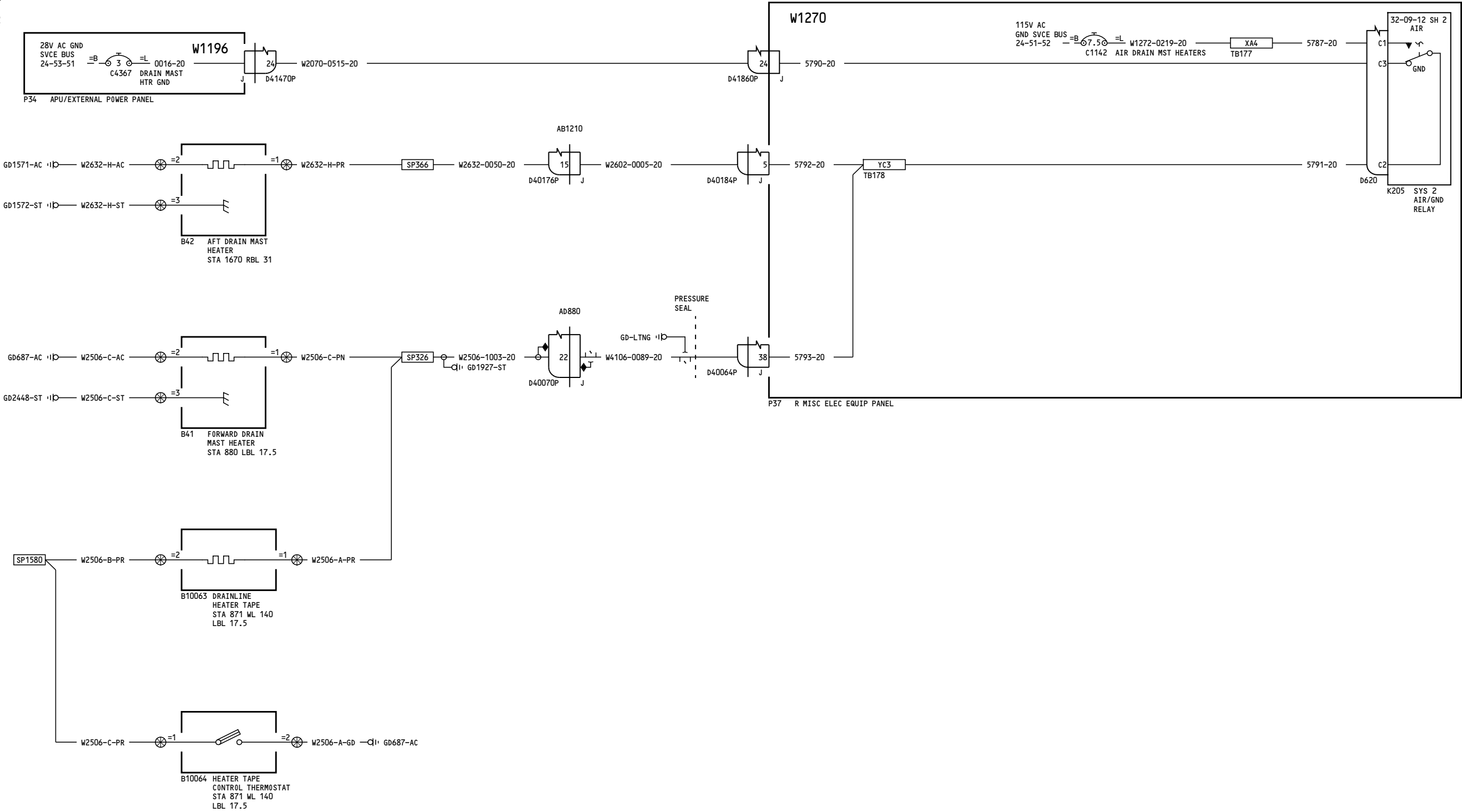
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DRAIN MAST HEATERS

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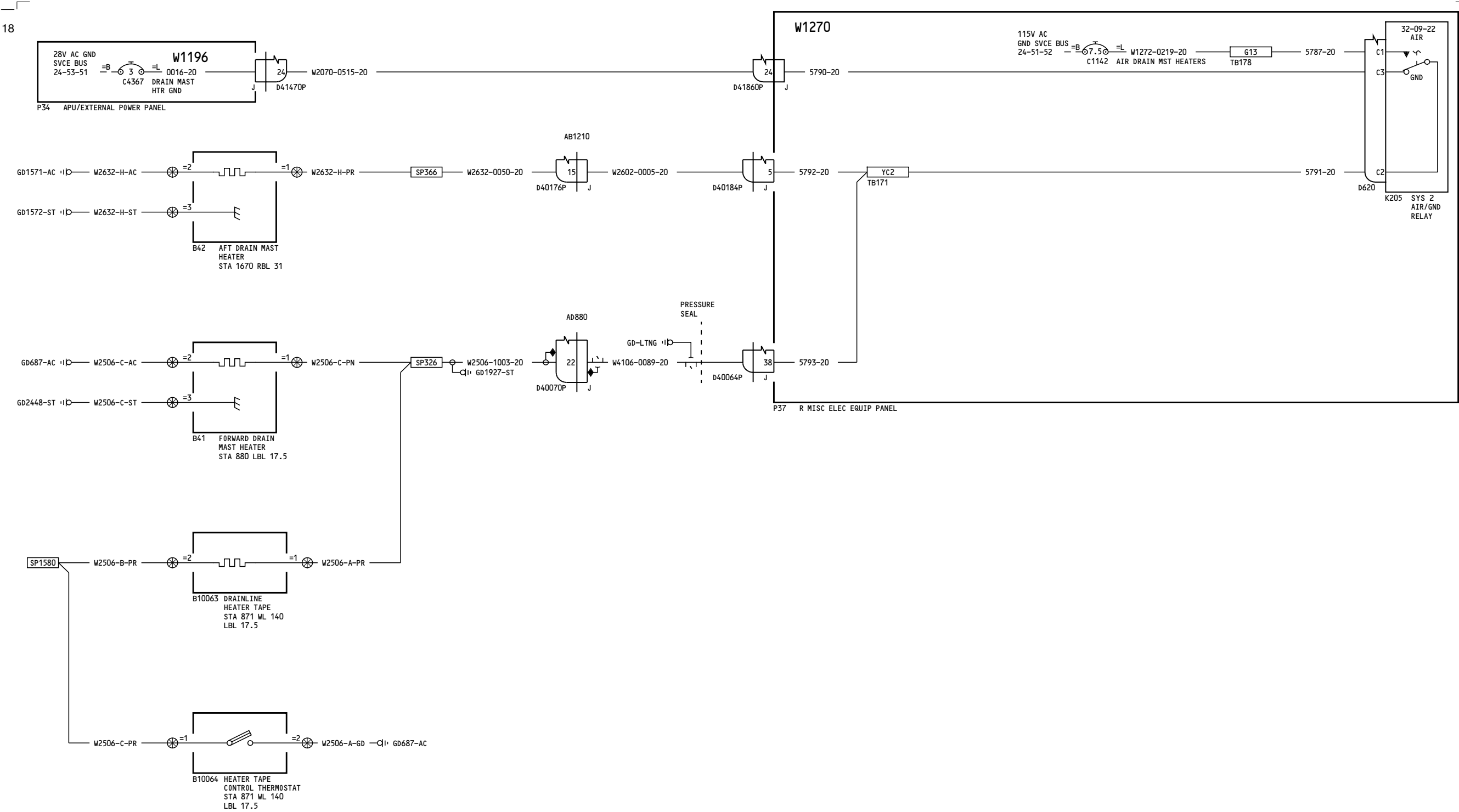
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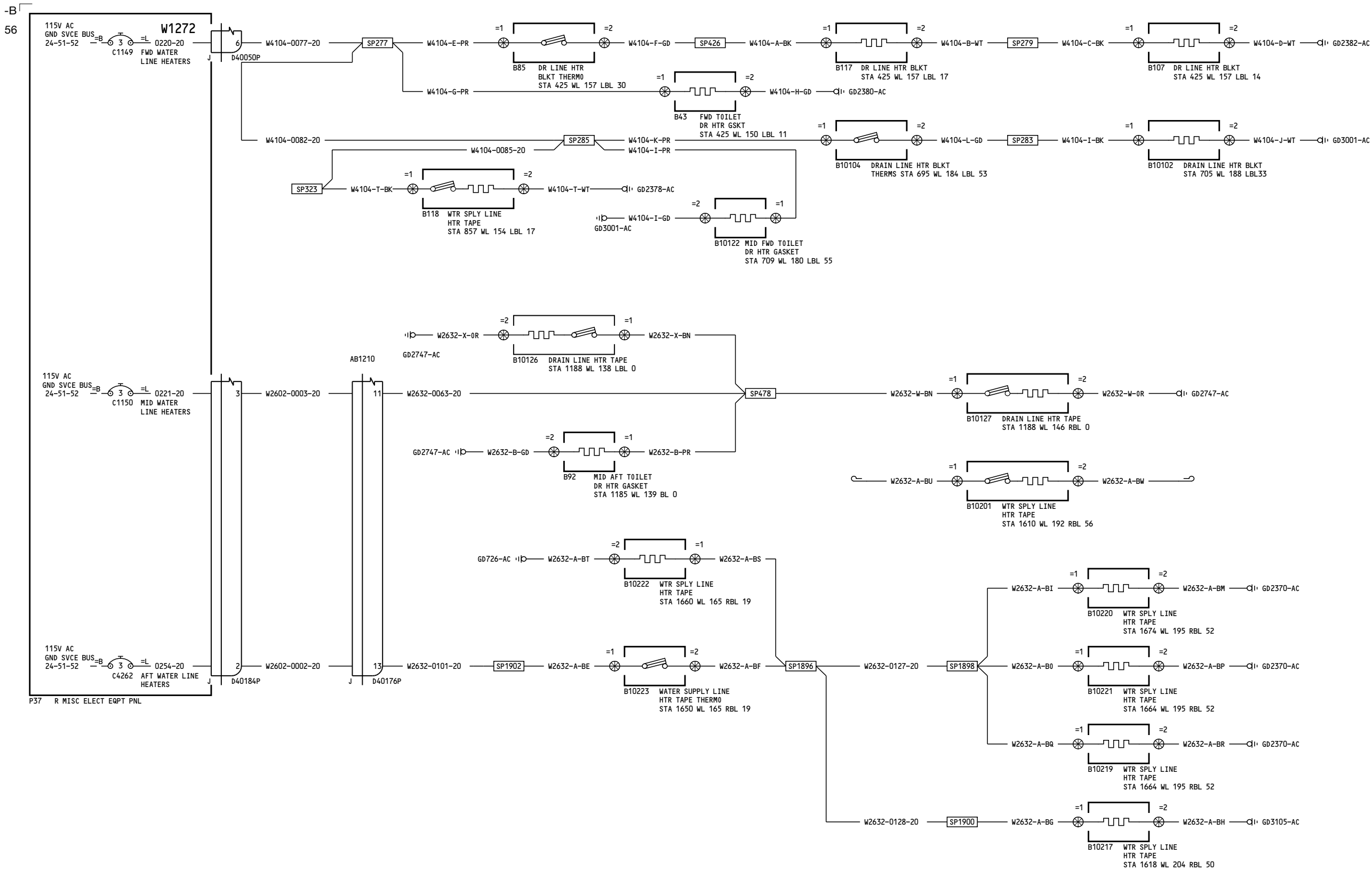
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WATER SUPPLY LINE AND  
DRAIN LINE HEATERS

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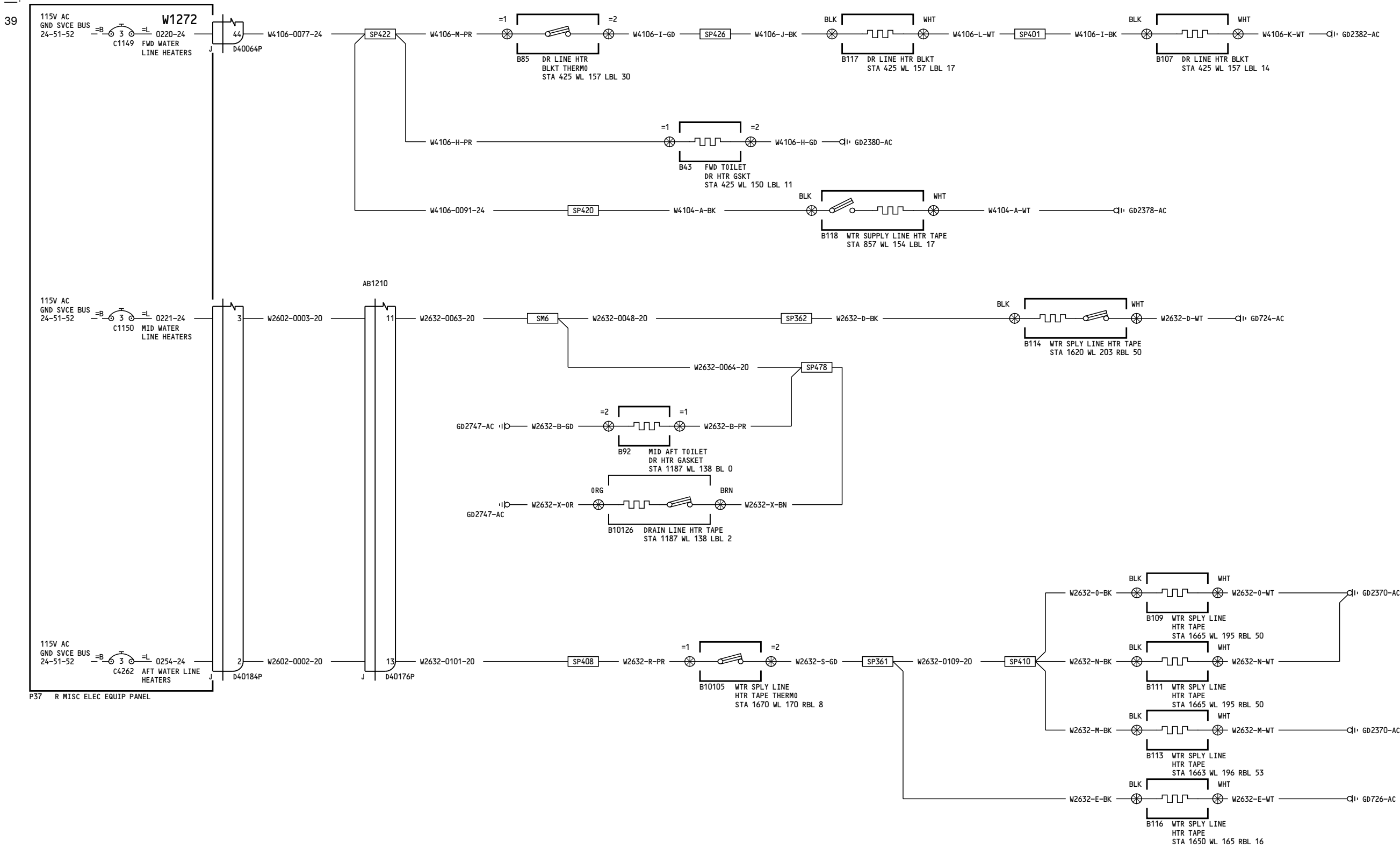
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WATER SUPPLY LINE AND  
DRAIN LINE HEATERS

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