

CHAPTER

30

**ICE AND RAIN
PROTECTION**



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WIRING DIAGRAM MANUAL

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ICE AND RAIN PROTECTION

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		6.1		Jan 21/2005					
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30-71-25		1		Jan 21/2005					
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<u>ENGINE INLET THERMAL ANTI-ICING</u>						
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<u>PITOT STATIC PROBE ANTI-ICING</u>						
PROBE HEAT- CAPTAINS PITOT STATIC	30-31-11		1.1		Mar 09/2006	050-280
PROBE HEAT- RIGHT AUXILIARY PITOT STATIC	30-31-13		1.1		Mar 09/2006	050-280
PROBE HEAT- FIRST OFFICER- PITOT STATIC	30-31-21		1		Aug 05/2009	ALL
PROBE HEAT- LEFT AUXILIARY PITOT STATIC	30-31-23		1		Jan 21/2005	050-099
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PROBE HEAT- ANGLE OF ATTACK- LEFT	30-32-11		1		Jan 21/2005	ALL
PROBE HEAT- ANGLE OF ATTACK- RIGHT	30-32-21		1		Jan 21/2005	ALL
<u>TOTAL AIR TEMPERATURE PROBE HEAT</u>						
PROBE HEAT- TOTAL AIR TEMPERATURE- LEFT	30-33-11		1		Jan 21/2005	ALL
<u>ENGINE PROBE HEAT</u>						
PROBE HEAT- ENGINE TT2- LEFT	30-34-11		1.1		Mar 09/2006	050 150 152-280
			2.1		Mar 09/2006	051 151
PROBE HEAT- ENGINE TT2- RIGHT	30-34-21		1		Jan 21/2005	050-099 150-199
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<u>FLIGHT COMPARTMENT WINDOW ANTI-ICING</u>						
WINDOW HEAT- LEFT FORWARD & RIGHT SIDE	30-41-11		1	1	Jan 21/2005	050-099
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				2	Jan 21/2005	150-154 275-276
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<u>WINDSHIELD WIPER SYSTEM</u>						
WINDSHIELD WIPERS	30-42-11		1		Jan 21/2005	ALL
<u>WINDSHIELD RAIN REPELLENT SYSTEM</u>						
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<u>ENTRY/SERVICE DOOR VIEWPORT HEATER</u>						
VIEWPORT HEATERS ENTRY/SERVICE DOORS	30-46-11		1		Jan 21/2005	ALL
<u>WATER AND DRAIN LINE HEATERS</u>						
DRAIN MAST HEATING	30-71-11		1		Jan 21/2005	050-099
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS	30-71-21		1	1	Jan 21/2005	050-099
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			2	1	Jan 21/2005	150-154
				2	Jan 21/2005	150-154
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MID WATER SUPPLY LINE & DRAIN LINE HEATERS	30-71-22		1		Jan 21/2005	050-099
			2		Jan 21/2005	150-154
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AFT WATER SUPPLY LINE & DRAIN LINE HEATERS	30-71-23		1		Jan 21/2005	050-099
			1.1		Jan 21/2005	050-051
			2		Jan 21/2005	150-154
			2.1		Jan 21/2005	150-154
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			5.1		Jan 21/2005	276
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			6.1		Jan 21/2005	277-278
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		AFT WATER SUPPLY LINE & WATER TANK HEATERS	30-71-24		1	
	2				Jan 21/2005	051-099
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GALLEY WATER SUPPLY LINE & SUPPLY LINE HEATERS	30-71-25		1		Jan 21/2005	050-099 150-199
<u>ICE DETECTION SYSTEM</u>						
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30-71-11	DRAIN MAST HEATING
30-21-11	ENGINE INLET THERMAL ANTI-ICE
30-71-21	FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS
30-71-25	GALLEY WATER SUPPLY LINE & SUPPLY LINE HEATERS
30-71-22	MID WATER SUPPLY LINE & DRAIN LINE HEATERS
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30-43-11	WINDSHIELD RAIN REPELLENT
30-42-11	WINDSHIELD WIPERS
30-11-11	WING THERMAL ANTI-ICE

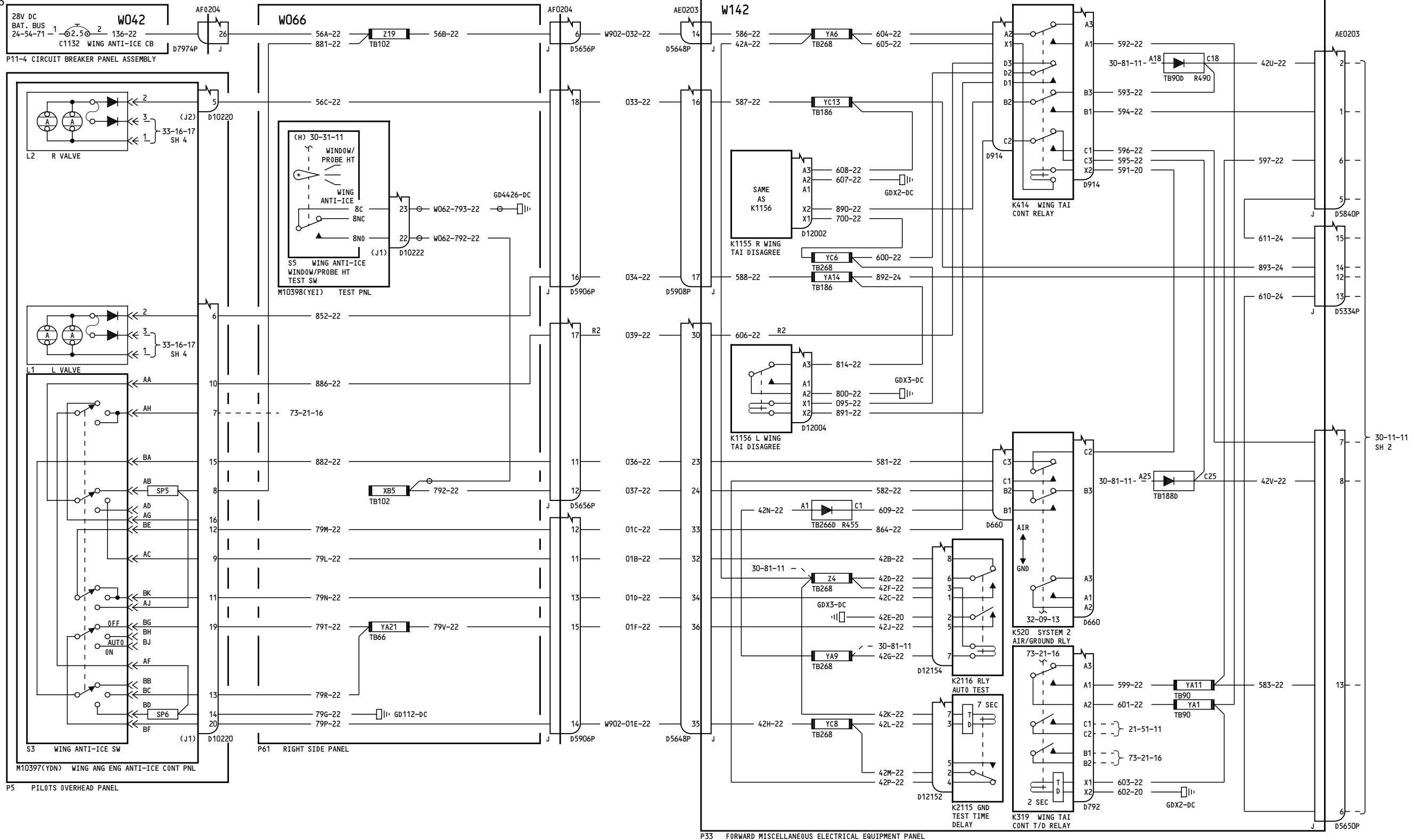
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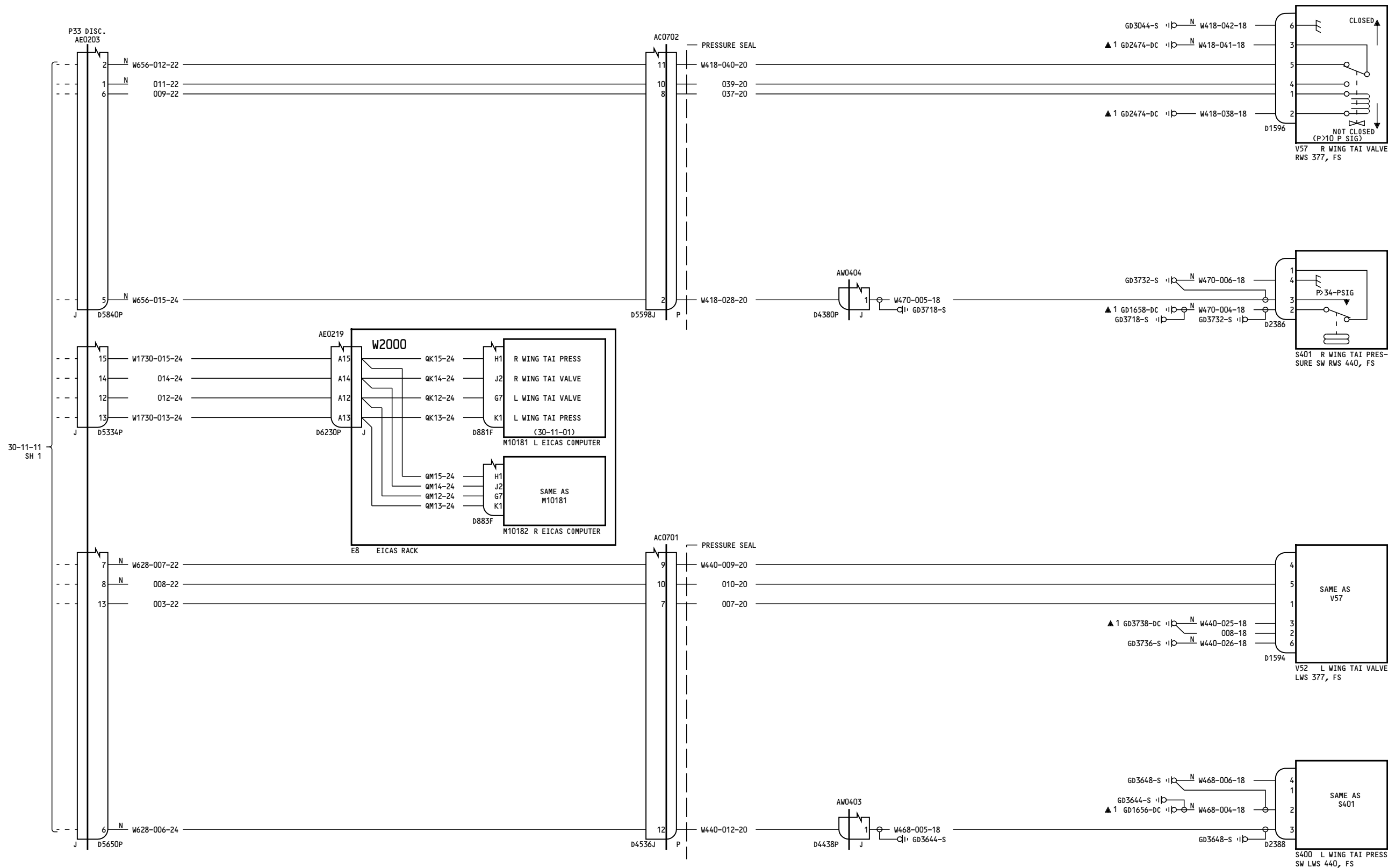
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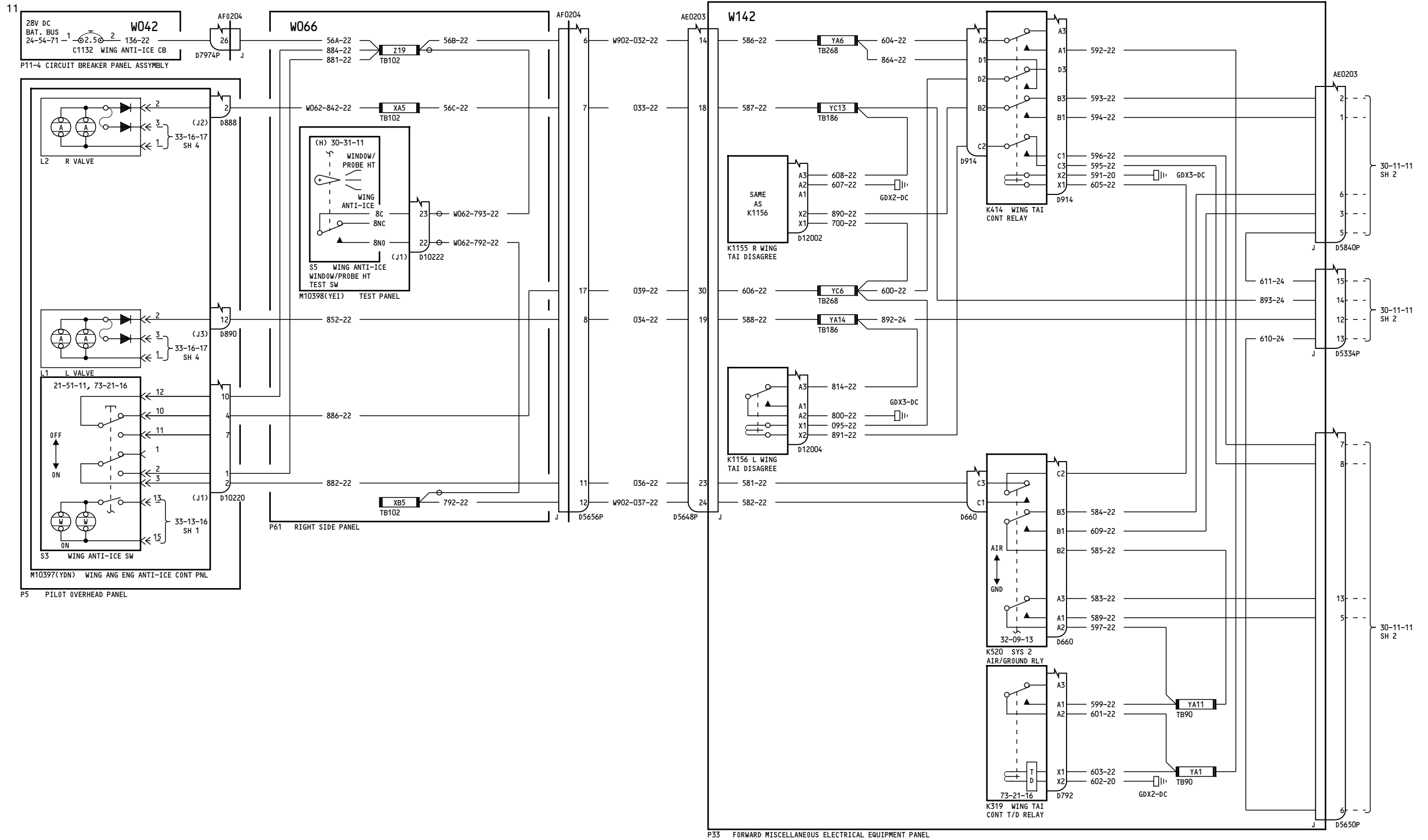
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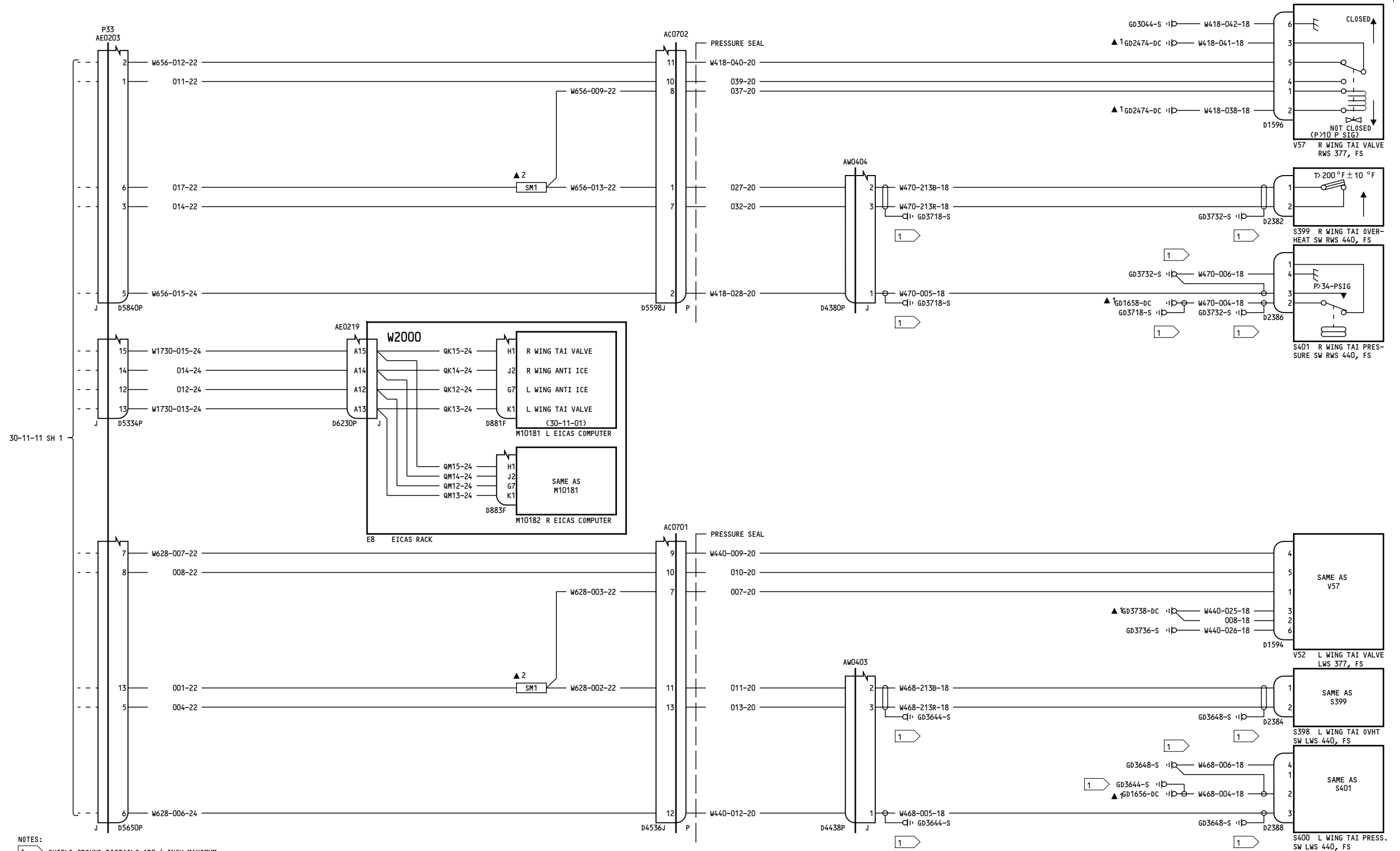
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NOTES:
1 SHIELD GROUND PIGTAILS ARE 6 INCH MAXIMUM

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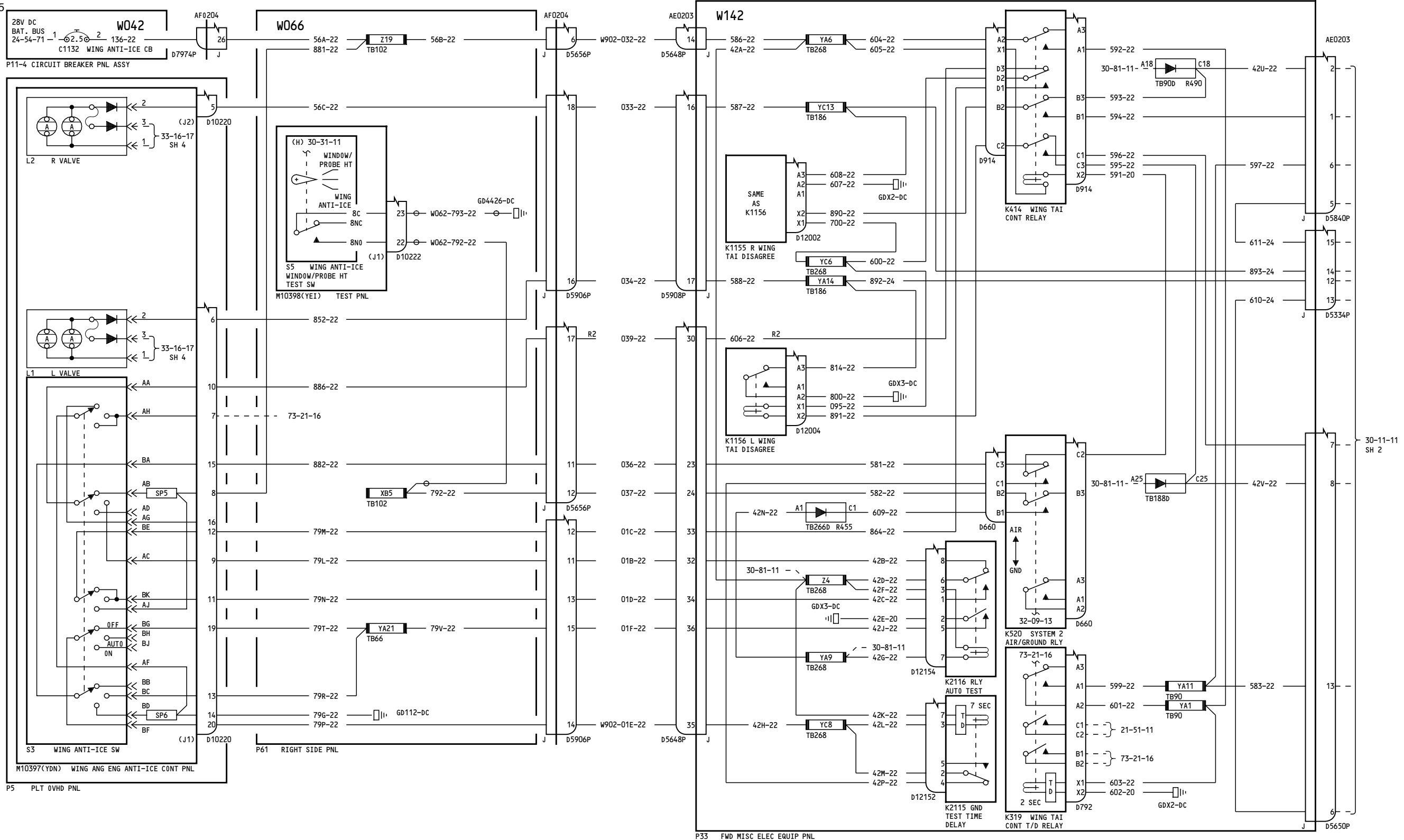
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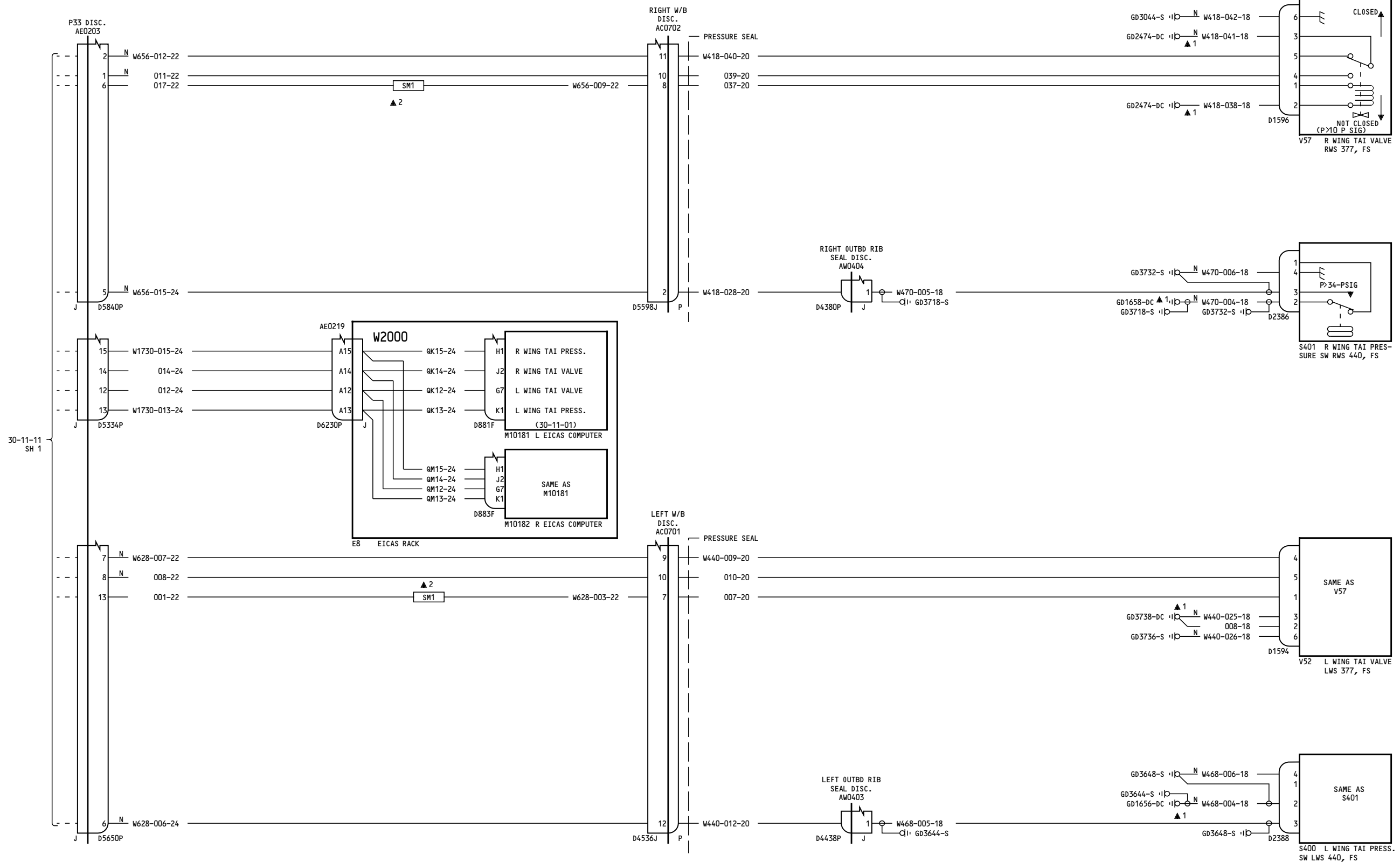
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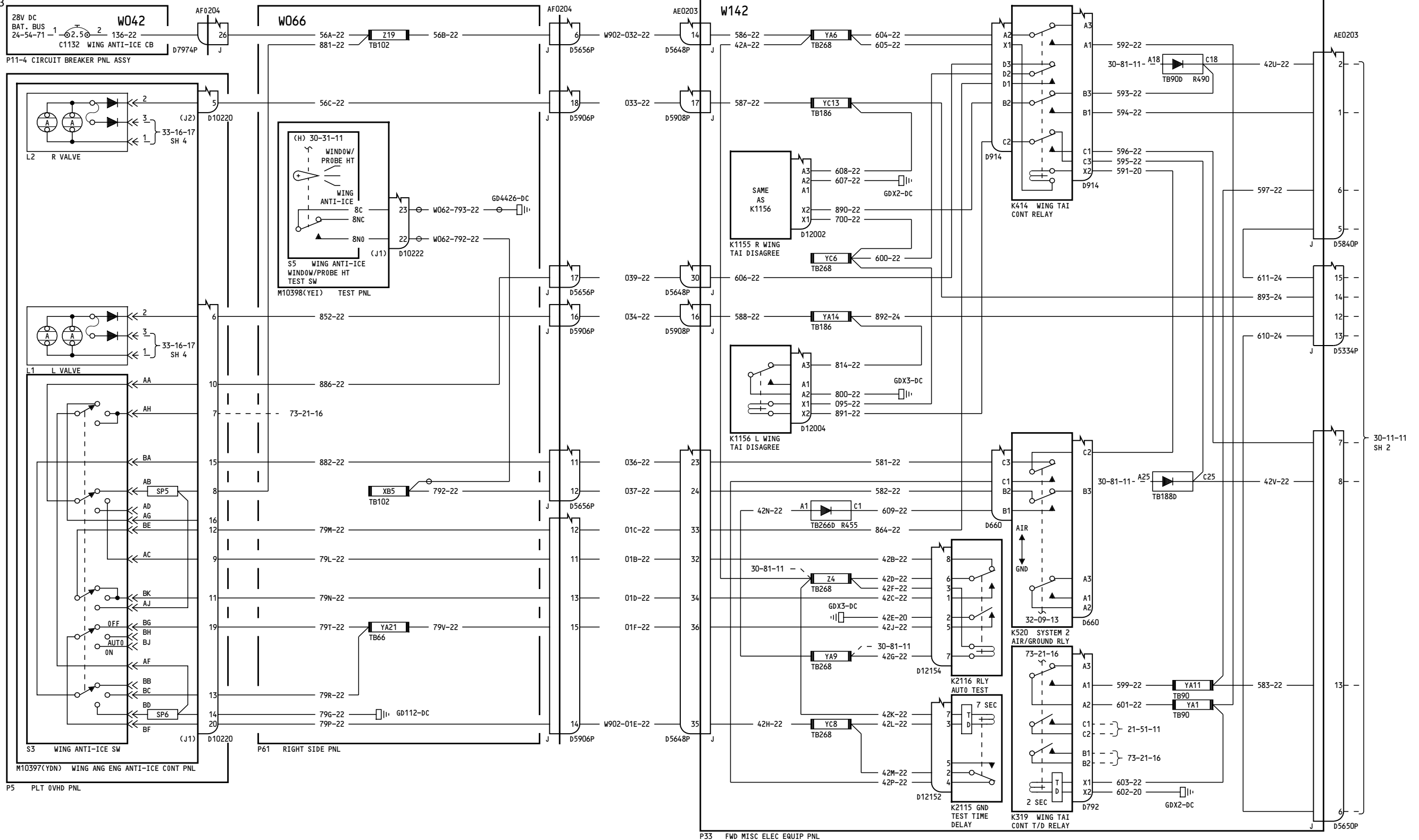
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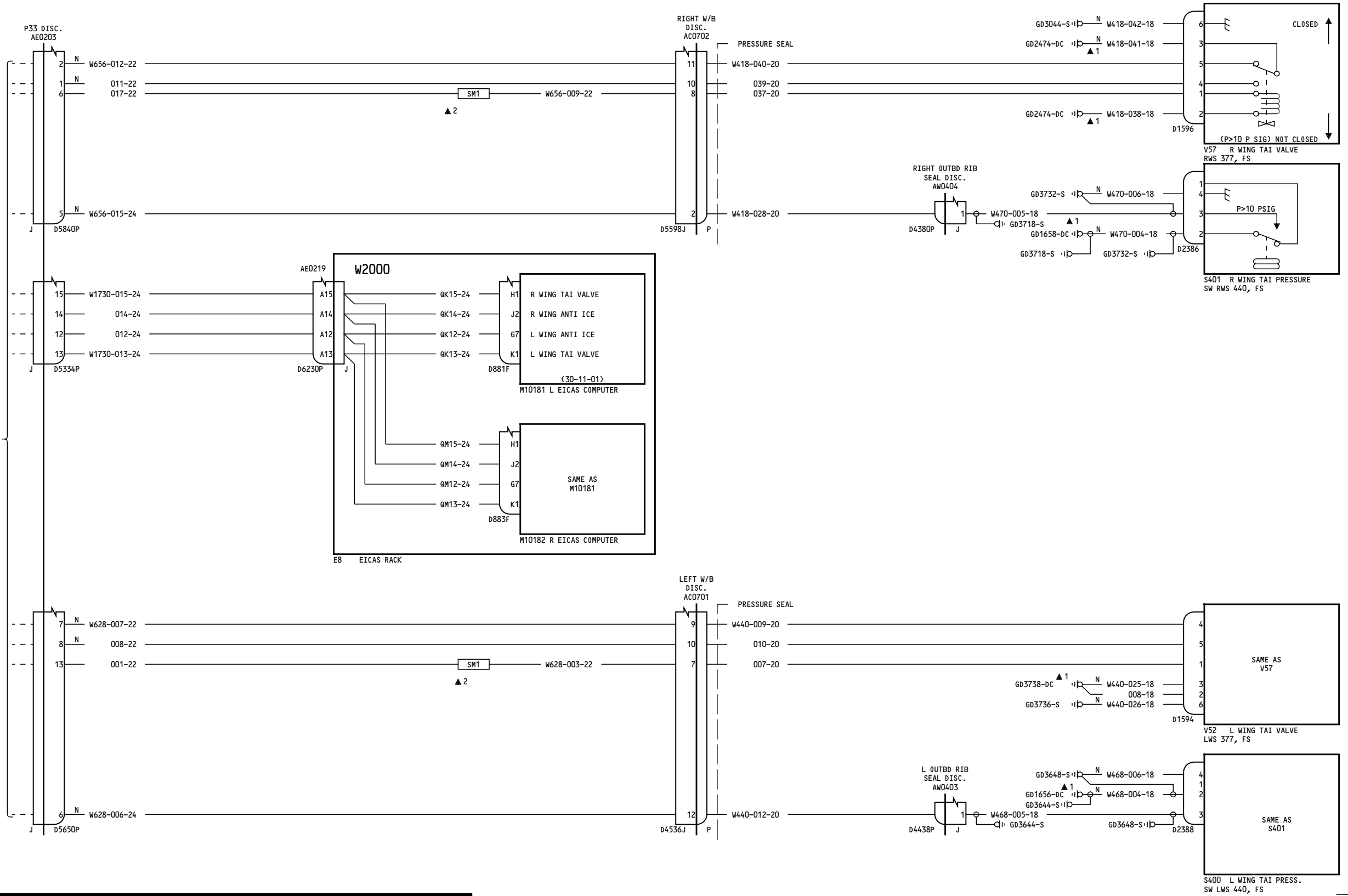
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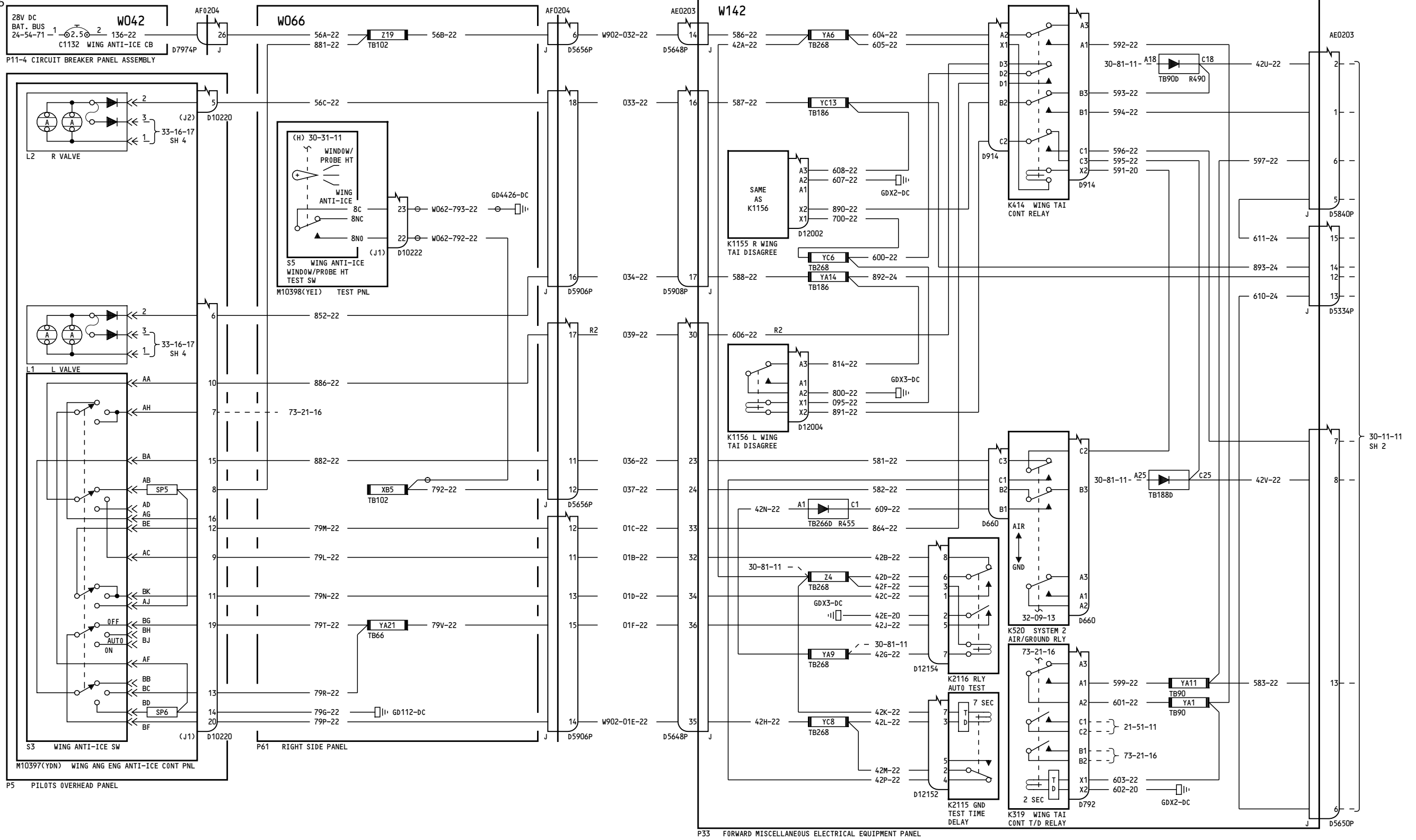
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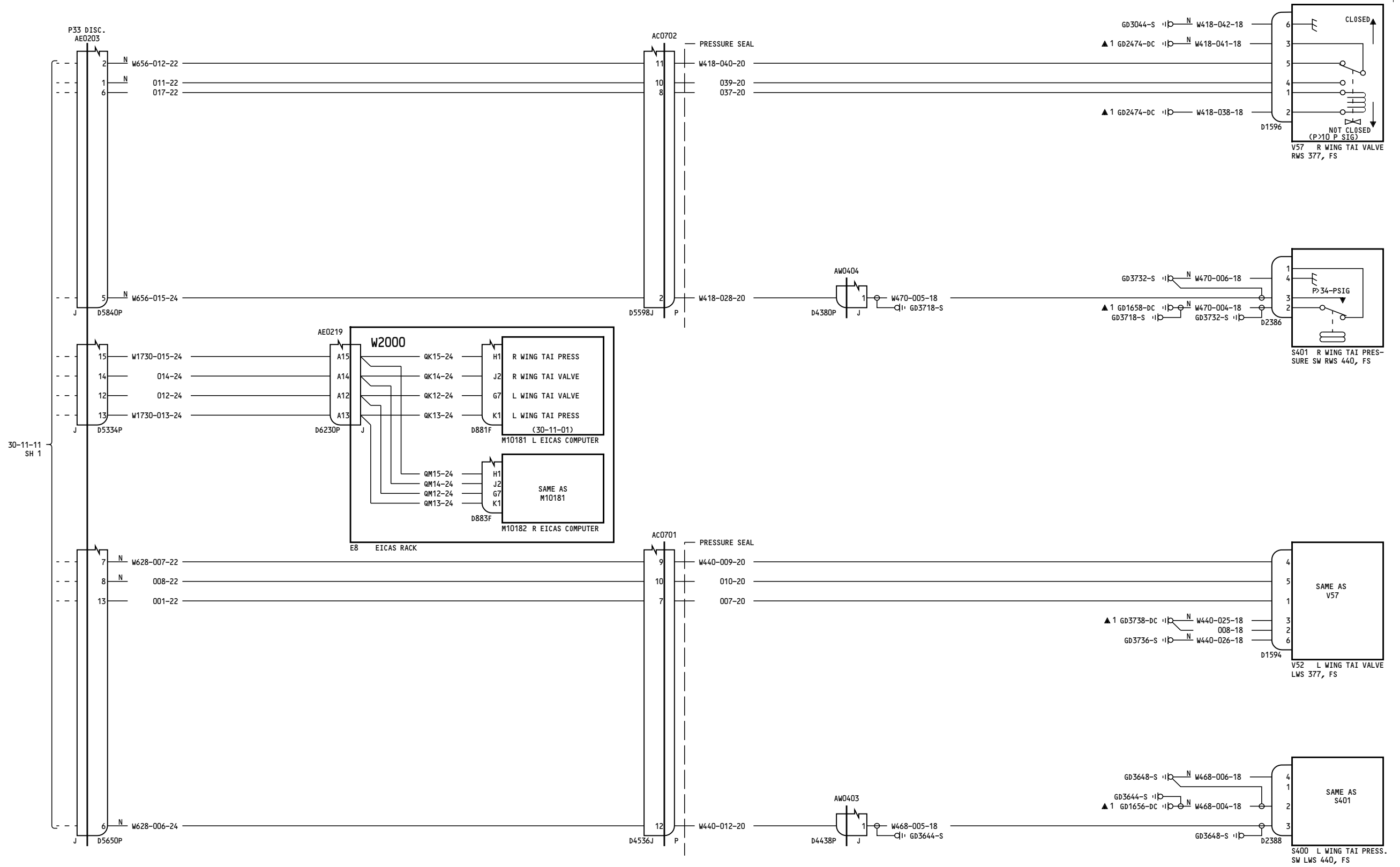
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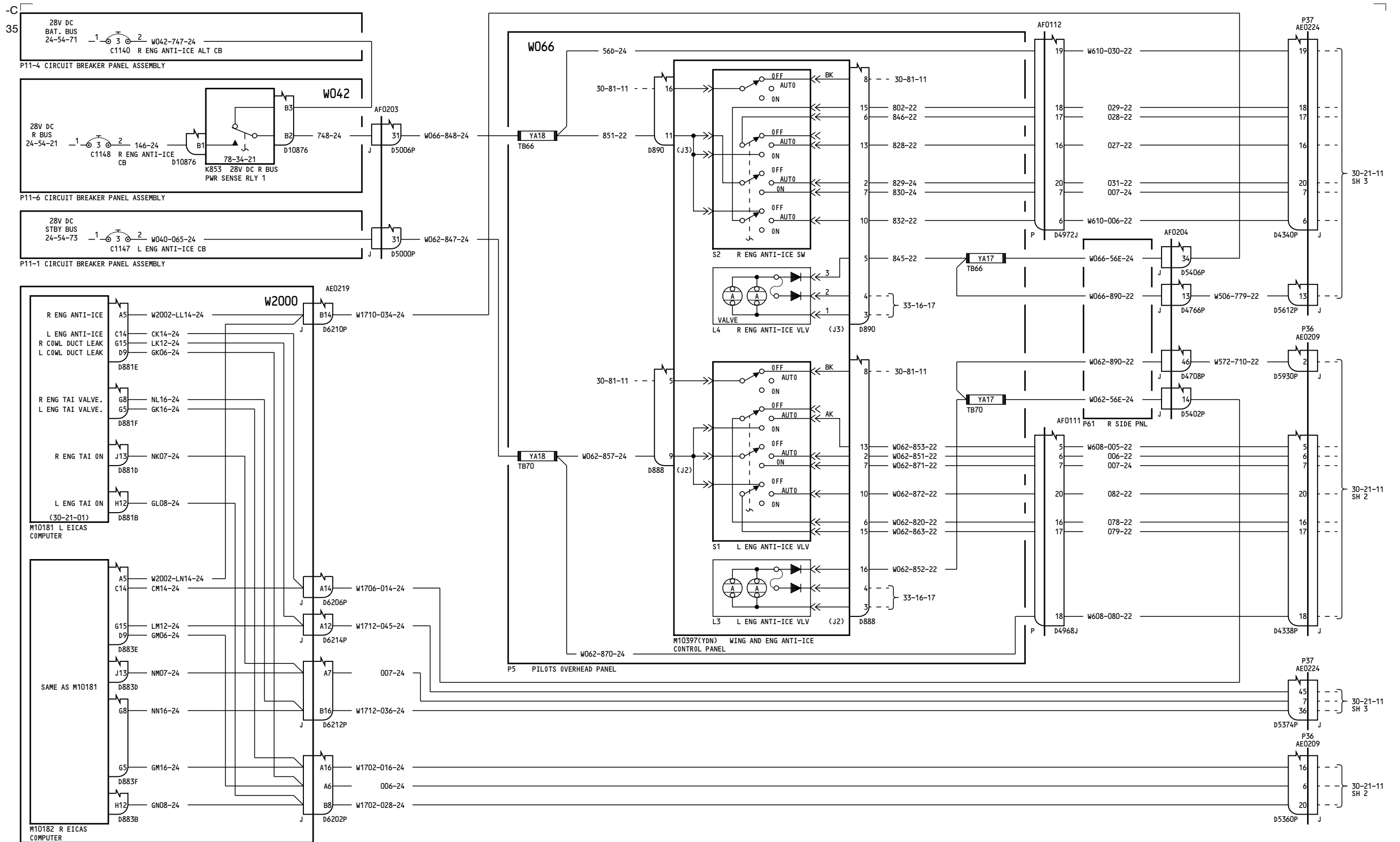
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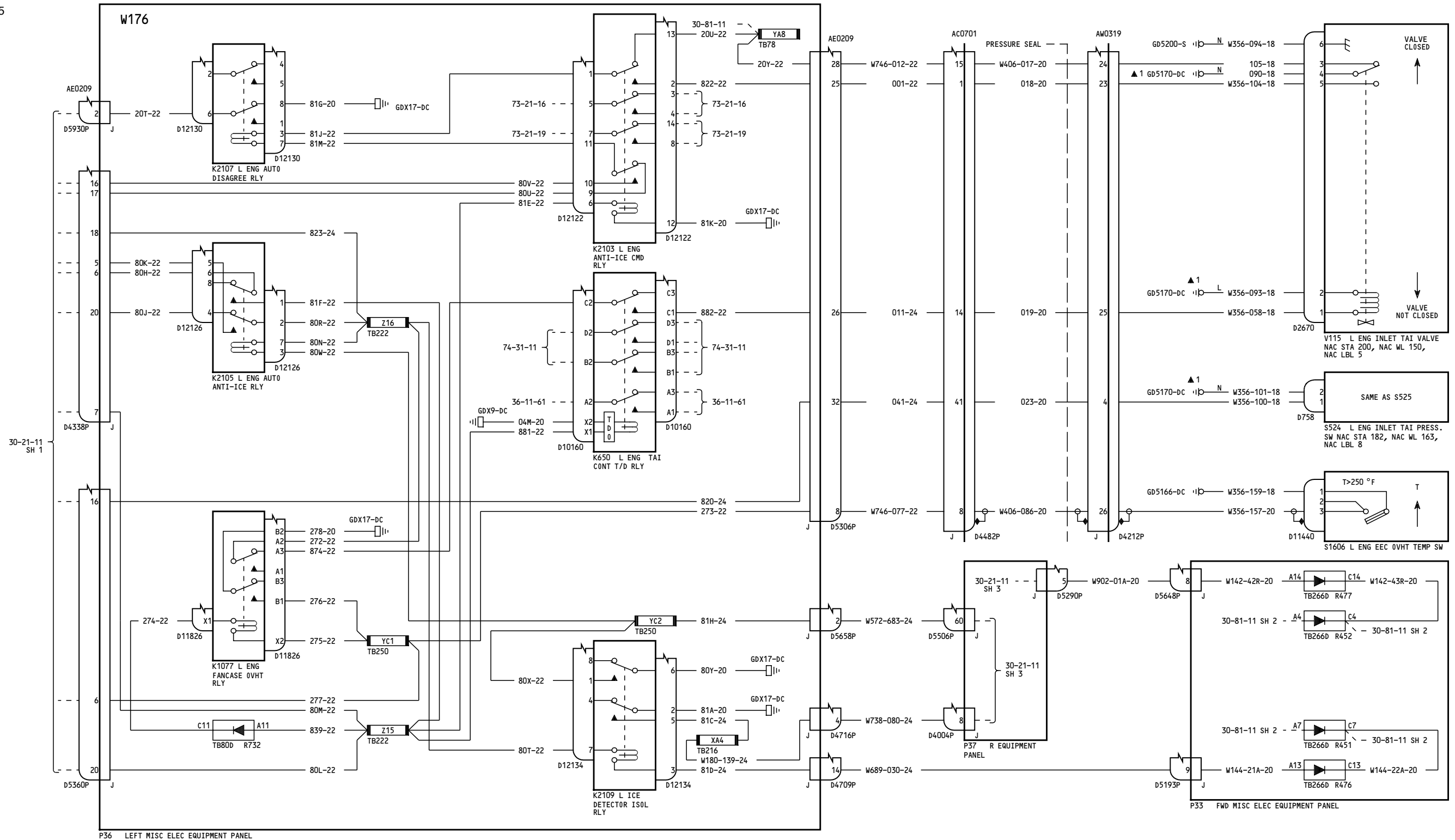
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NOTE:
SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCHES MAXIMUM

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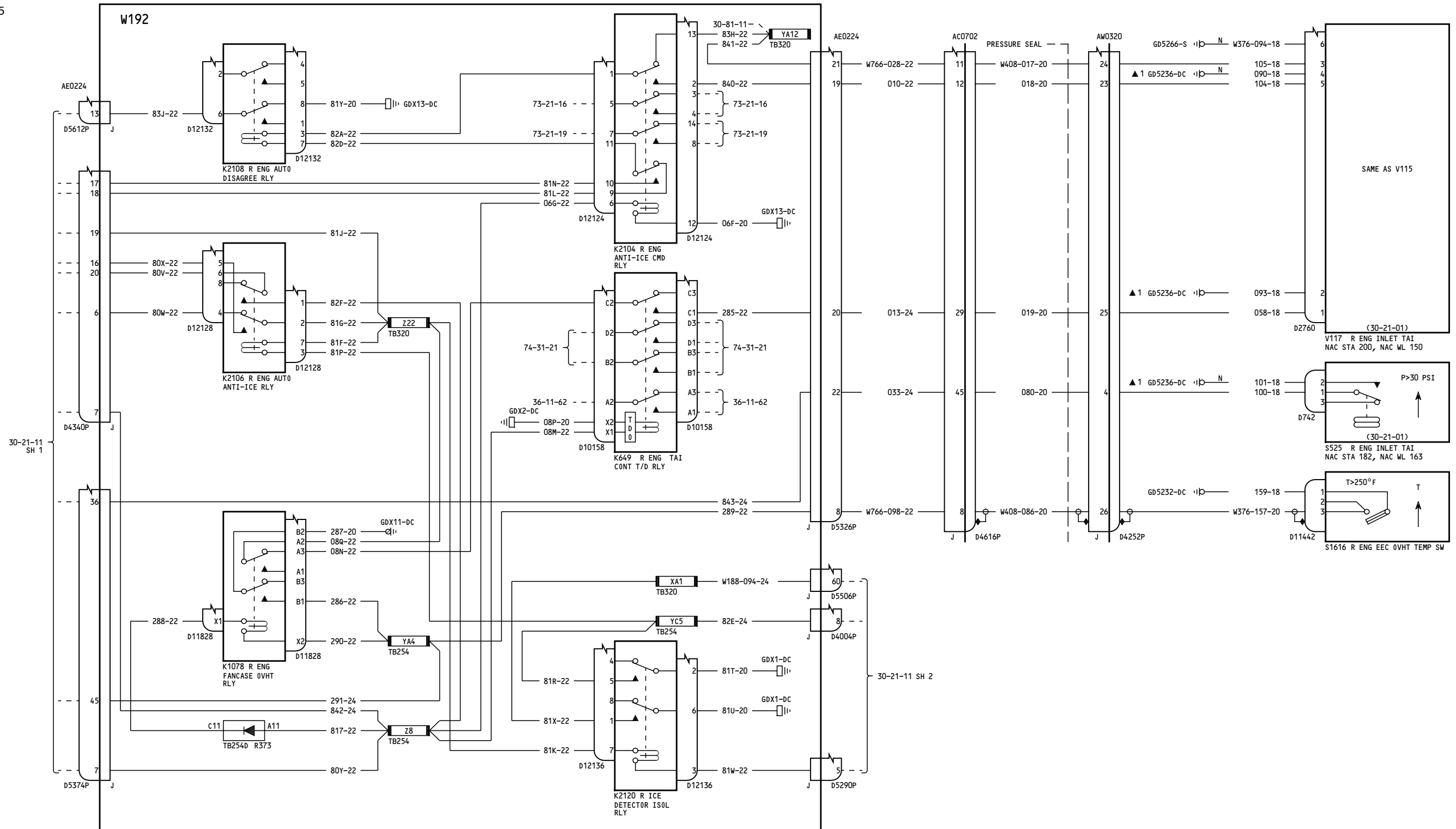
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NOTE:
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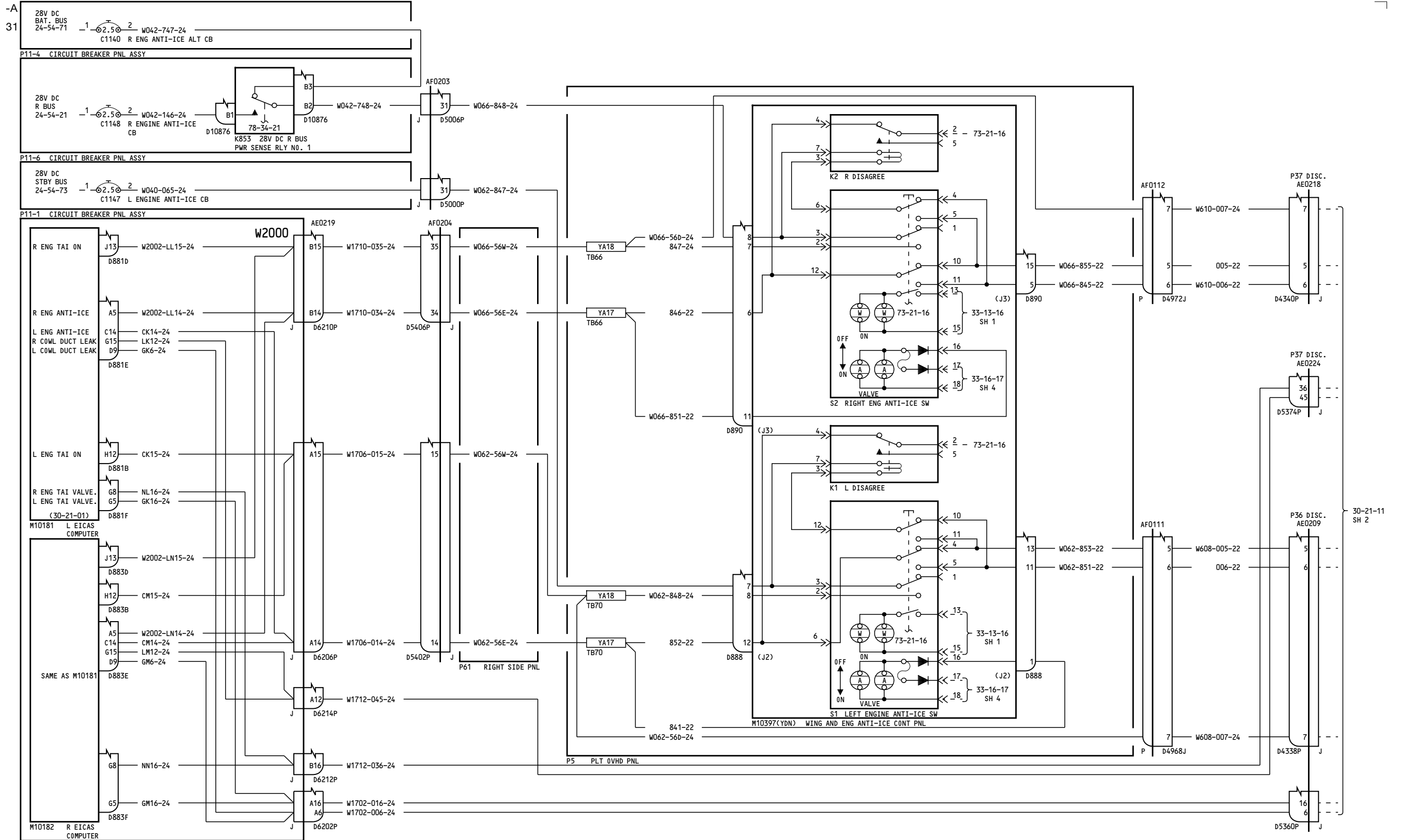
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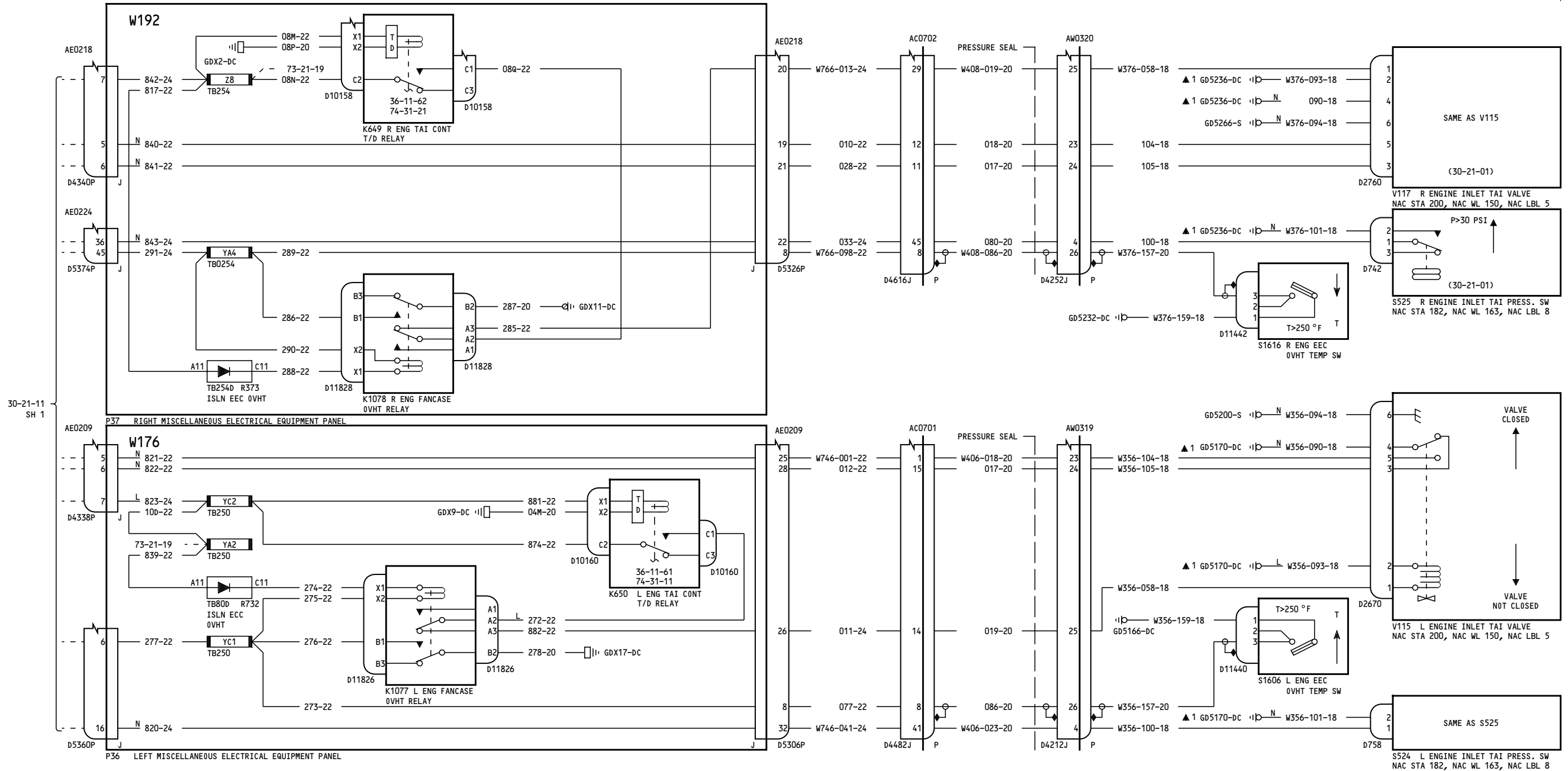
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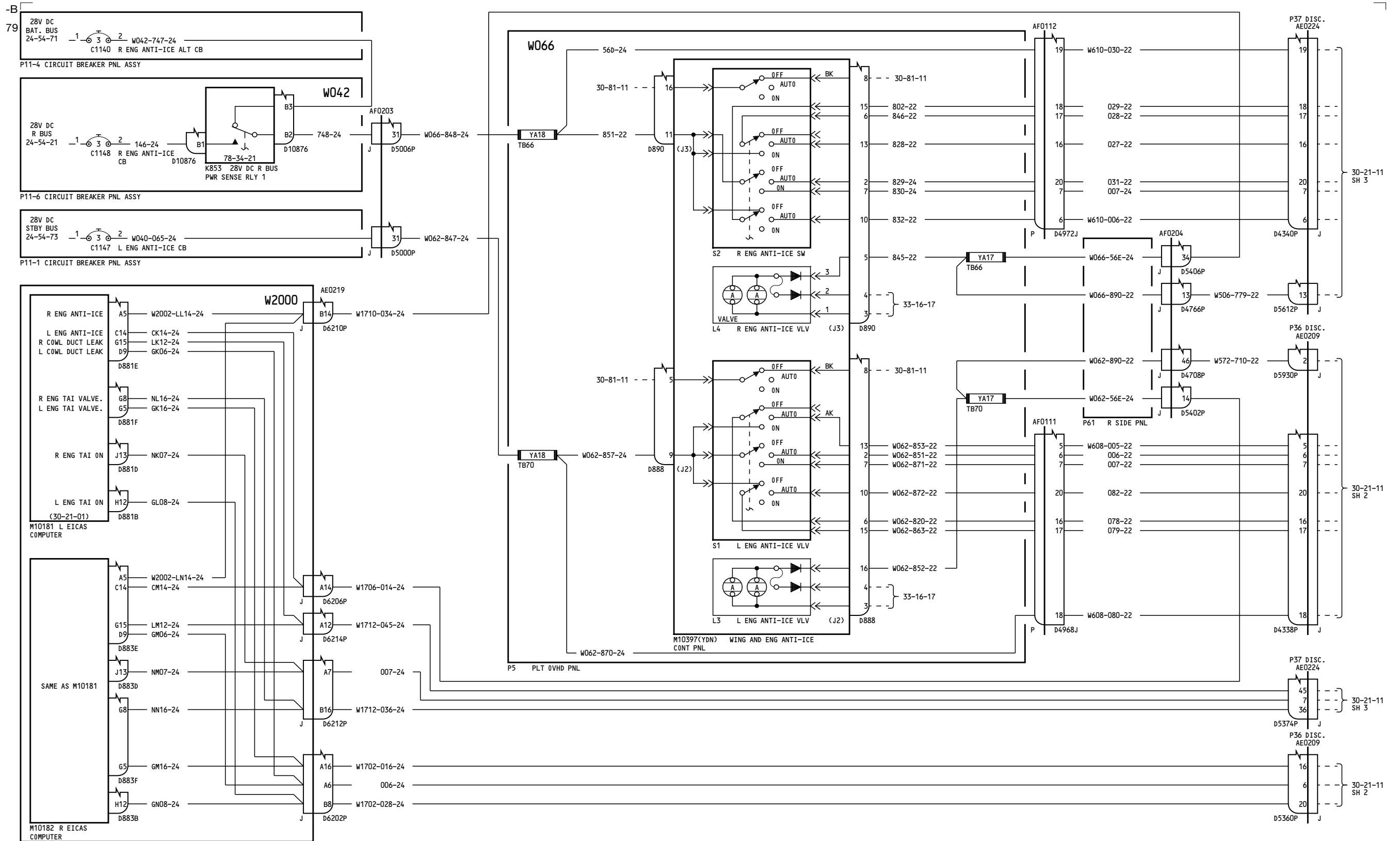
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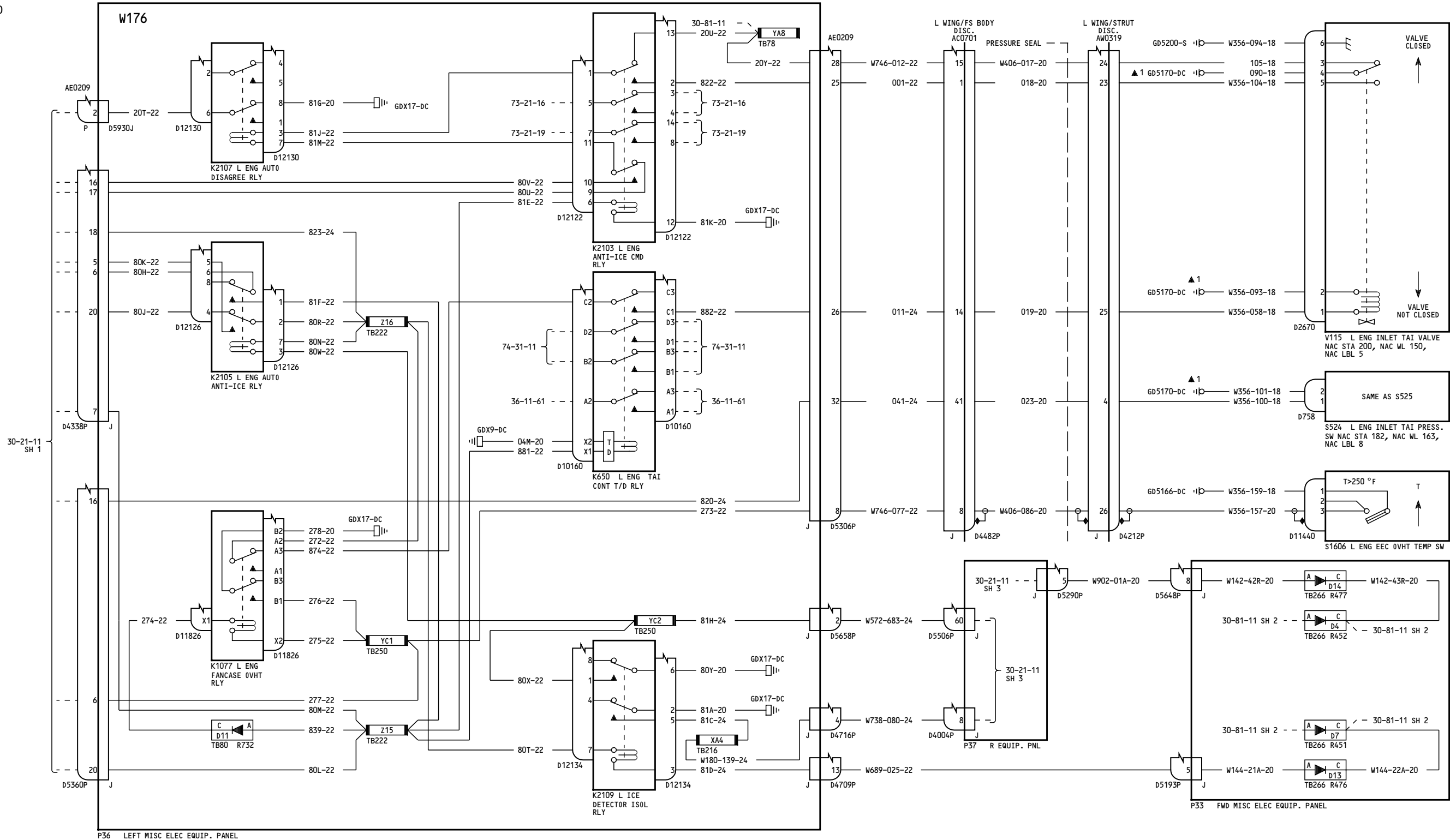
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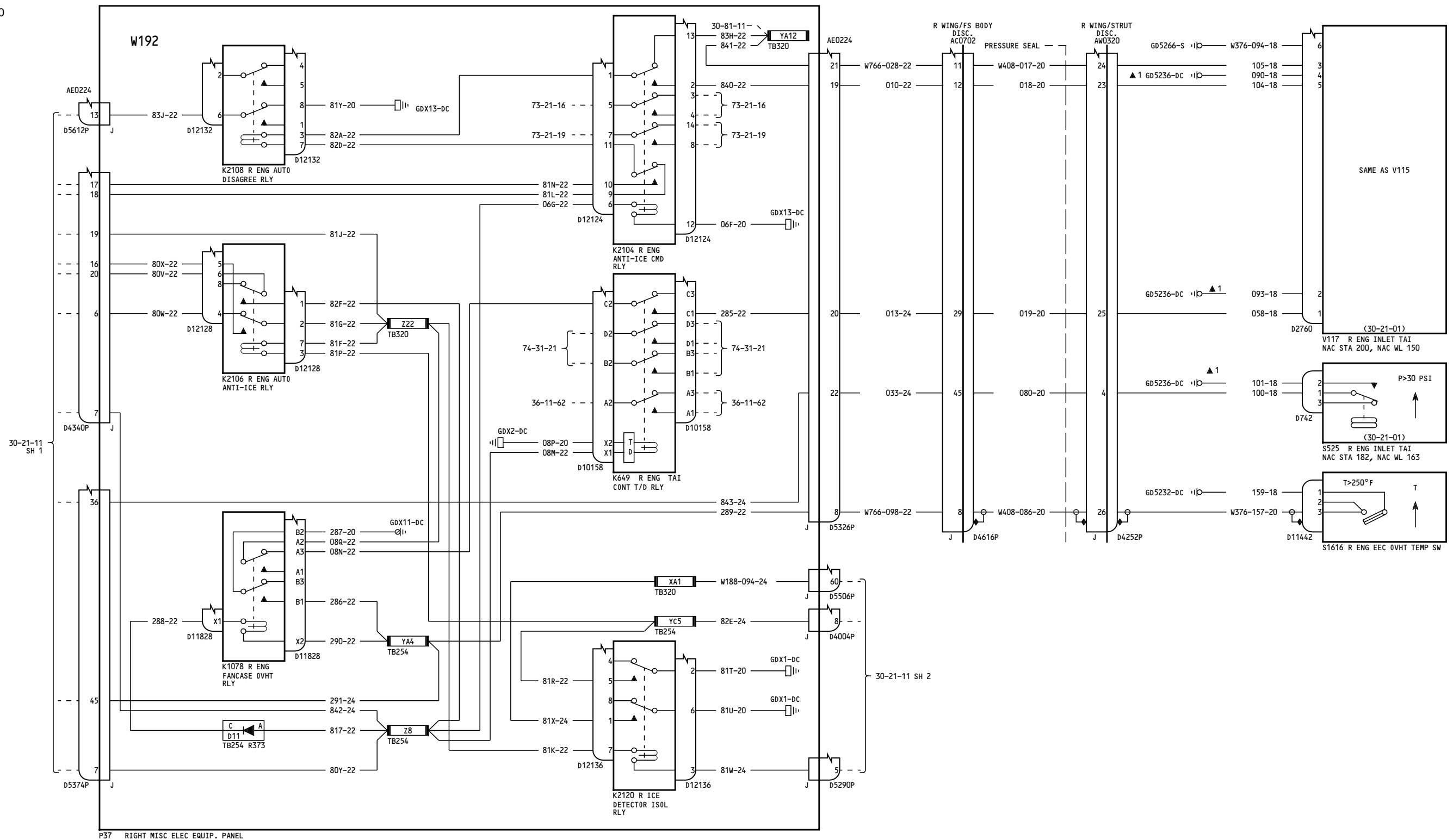
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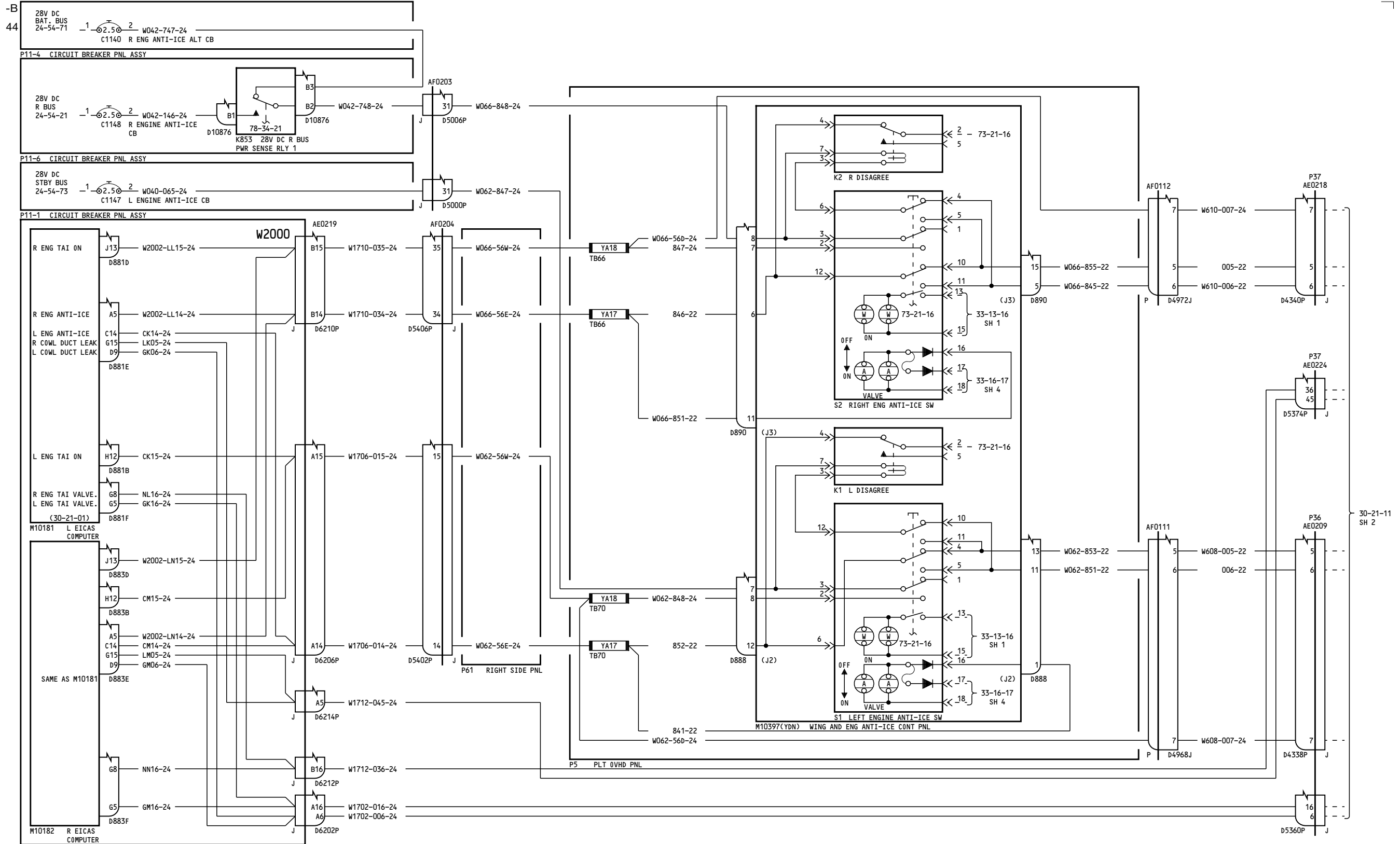
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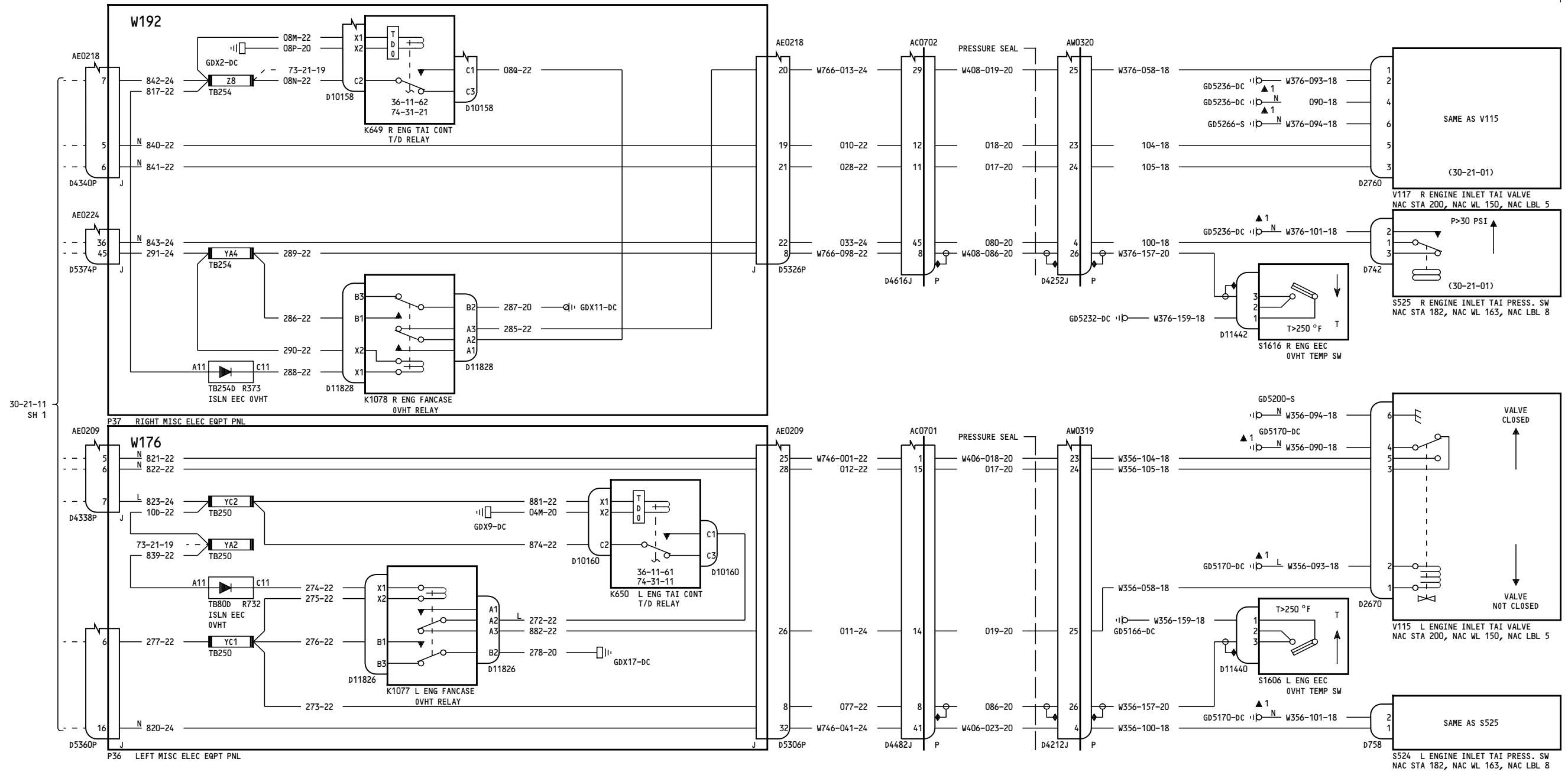


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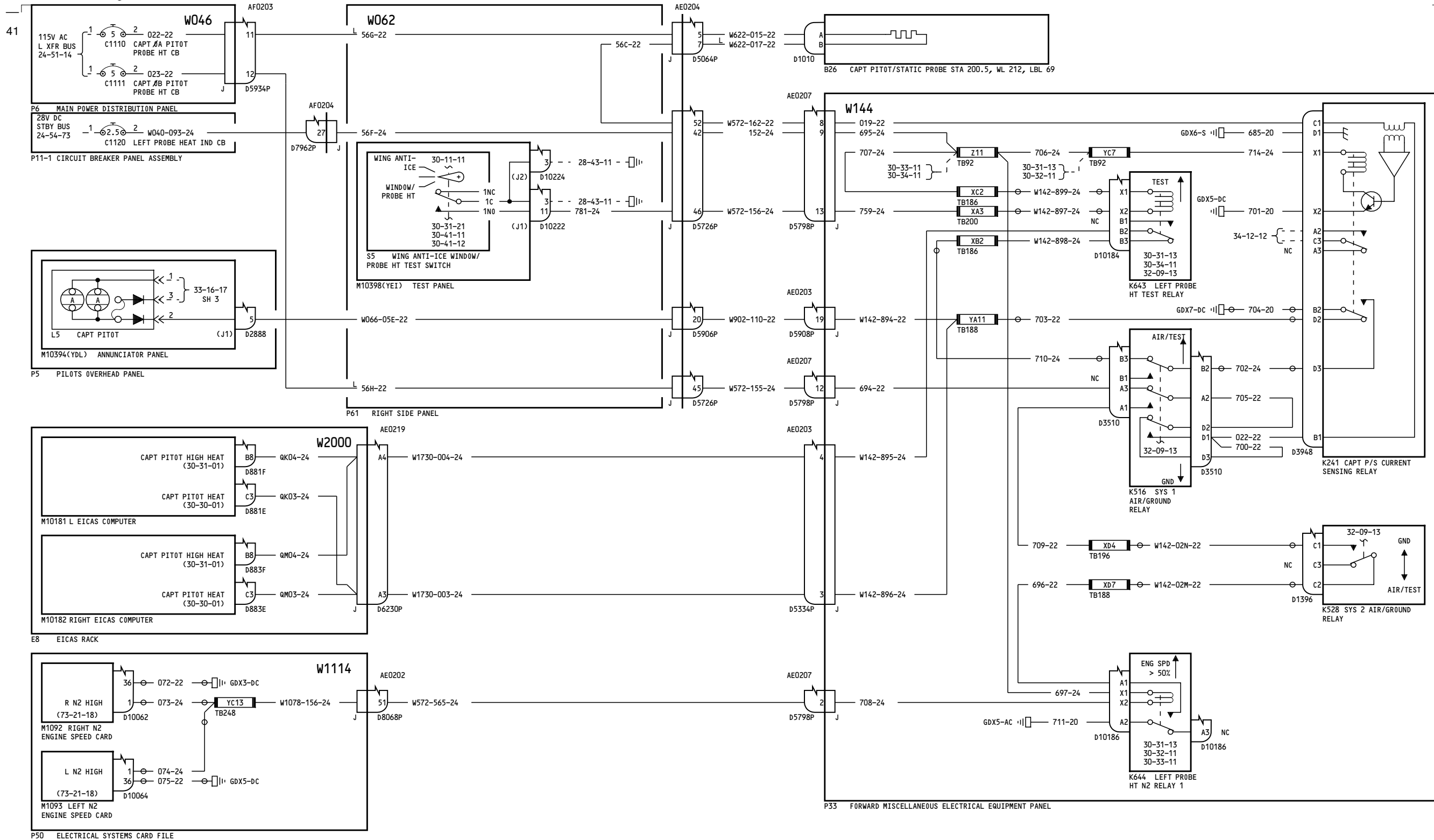
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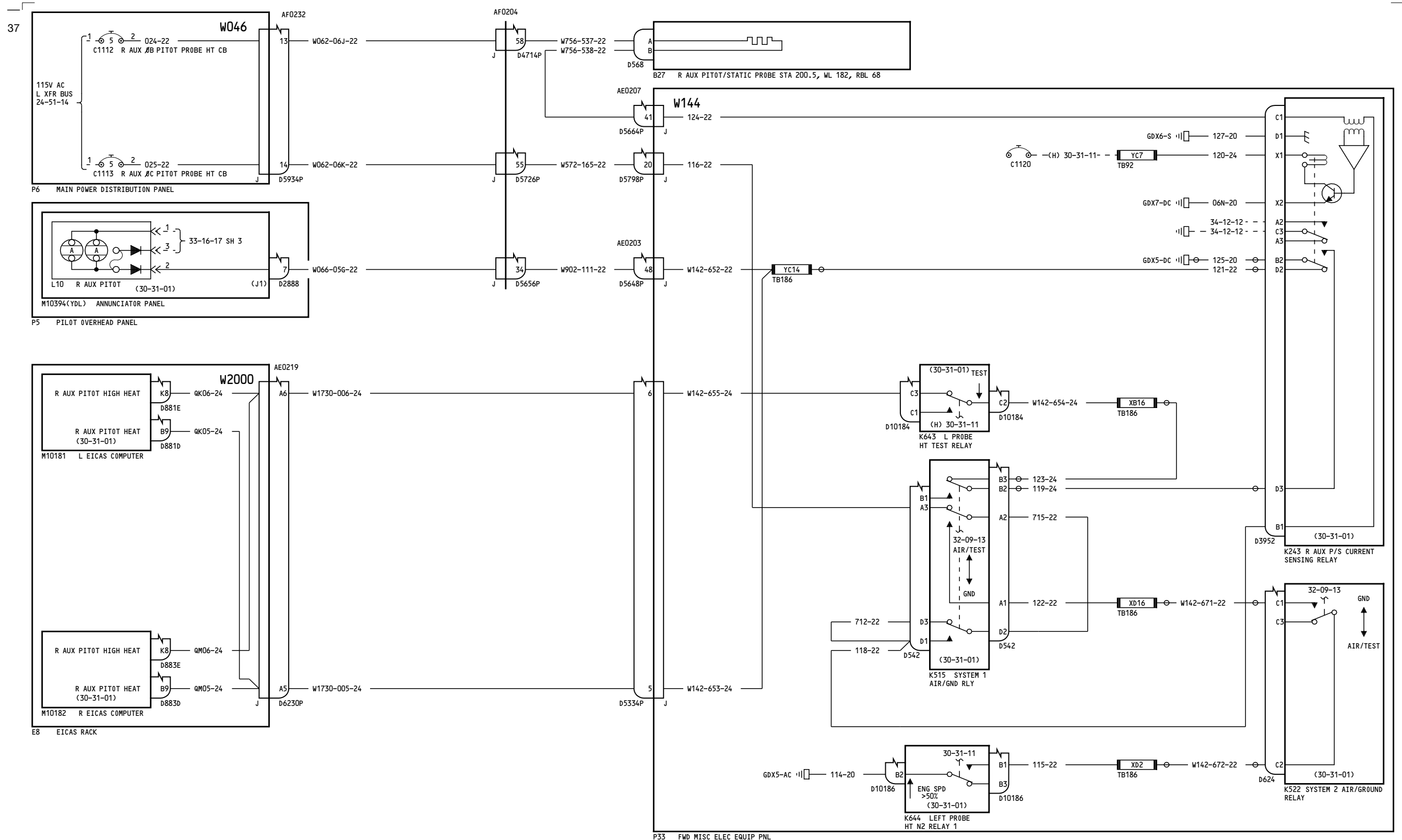
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**PROBE HEAT-
RIGHT AUXILIARY PITOT
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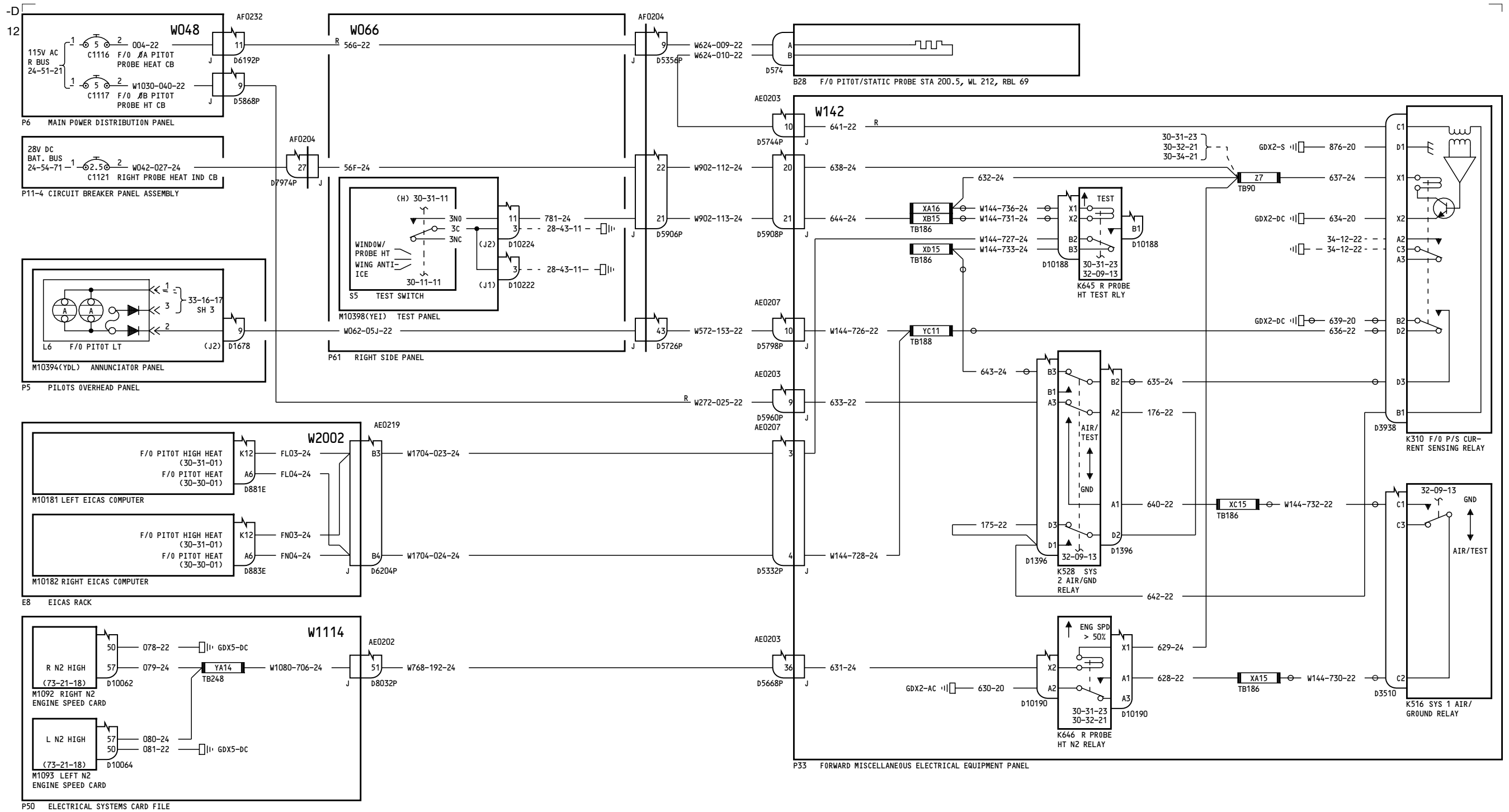
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ALL

**PROBE HEAT-
FIRST OFFICER-
PITOT STATIC**

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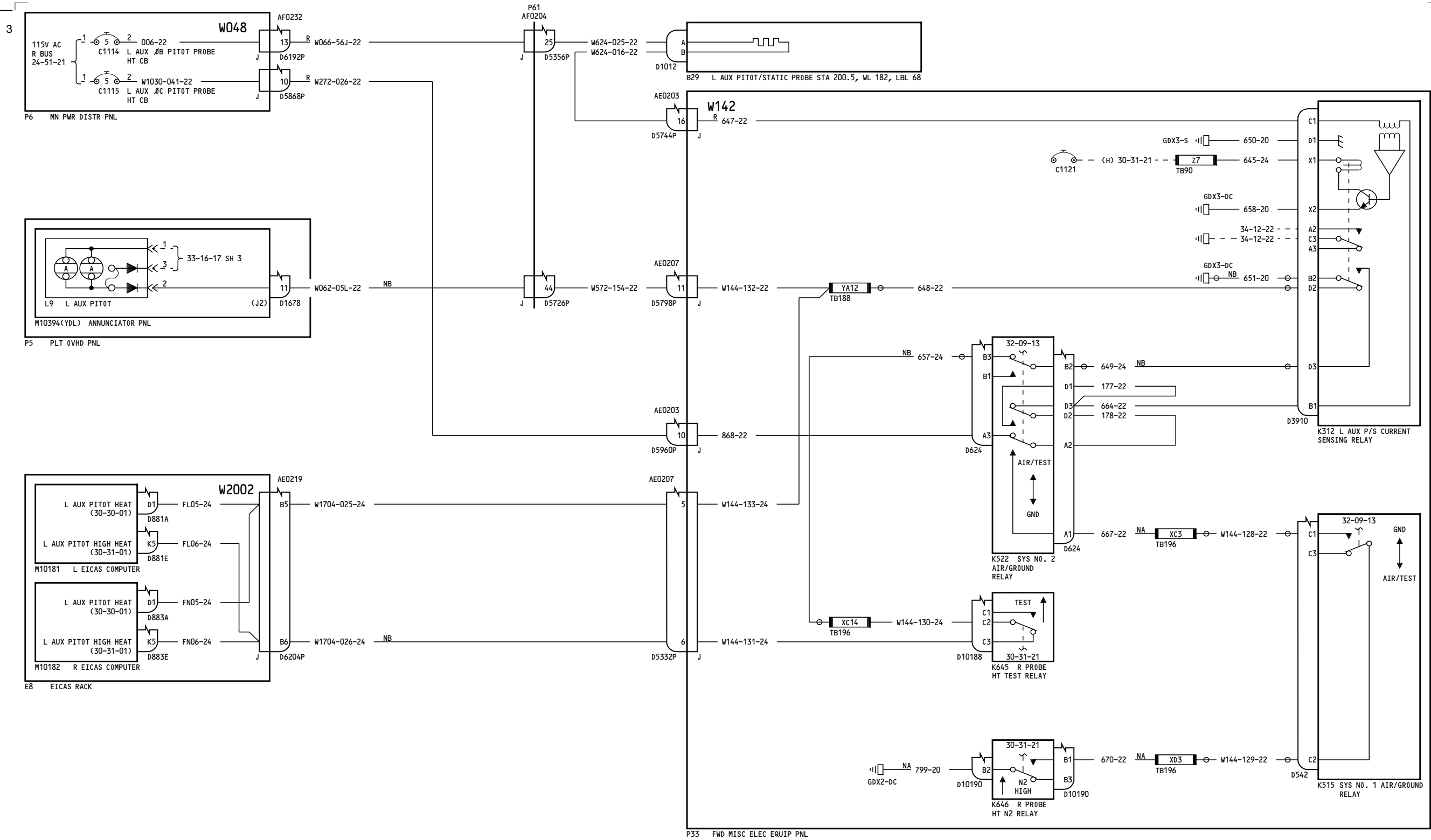
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PROBE HEAT-
LEFT AUXILIARY PITOT
STATIC

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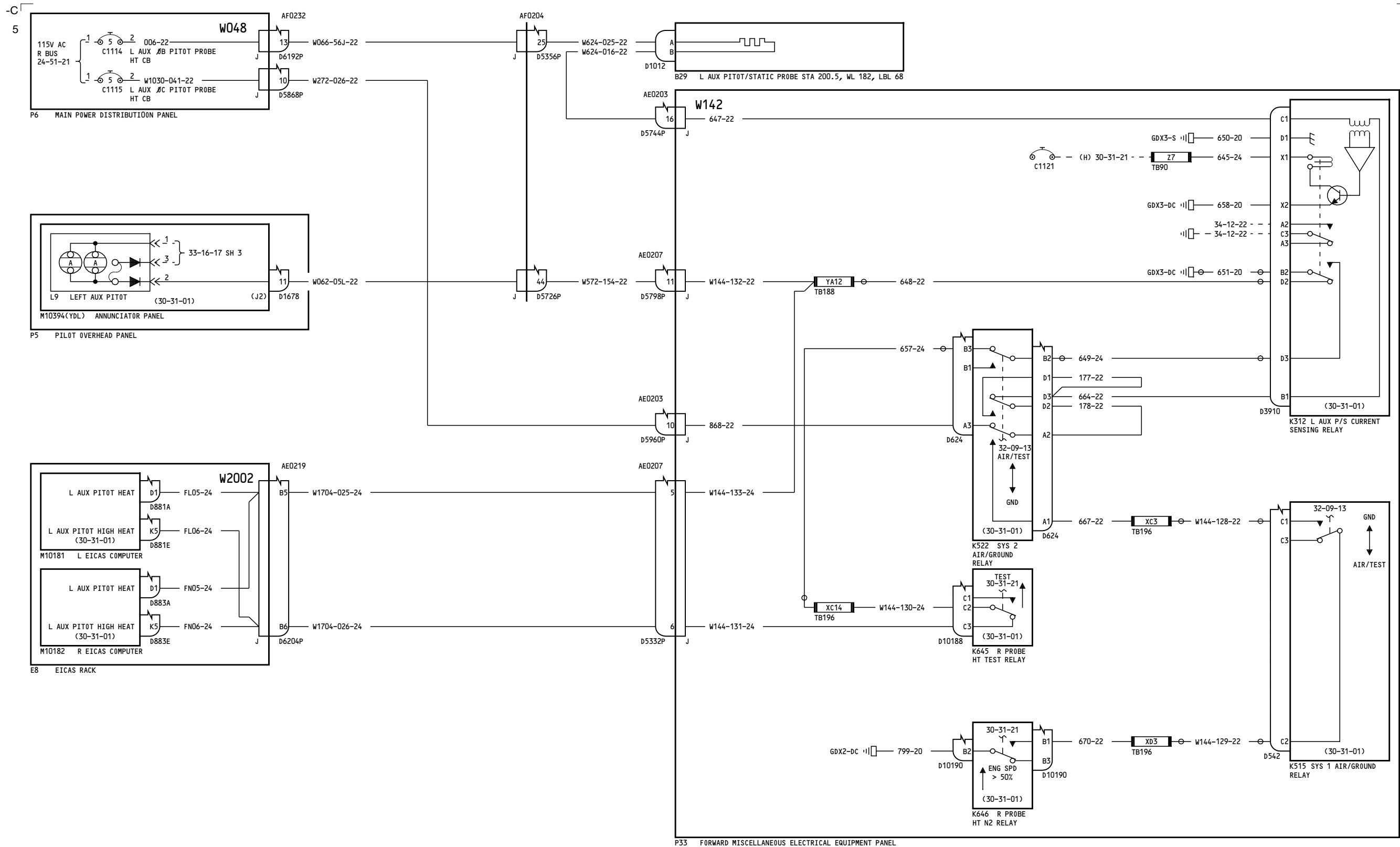
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**PROBE HEAT-
LEFT AUXILIARY PITOT
STATIC**

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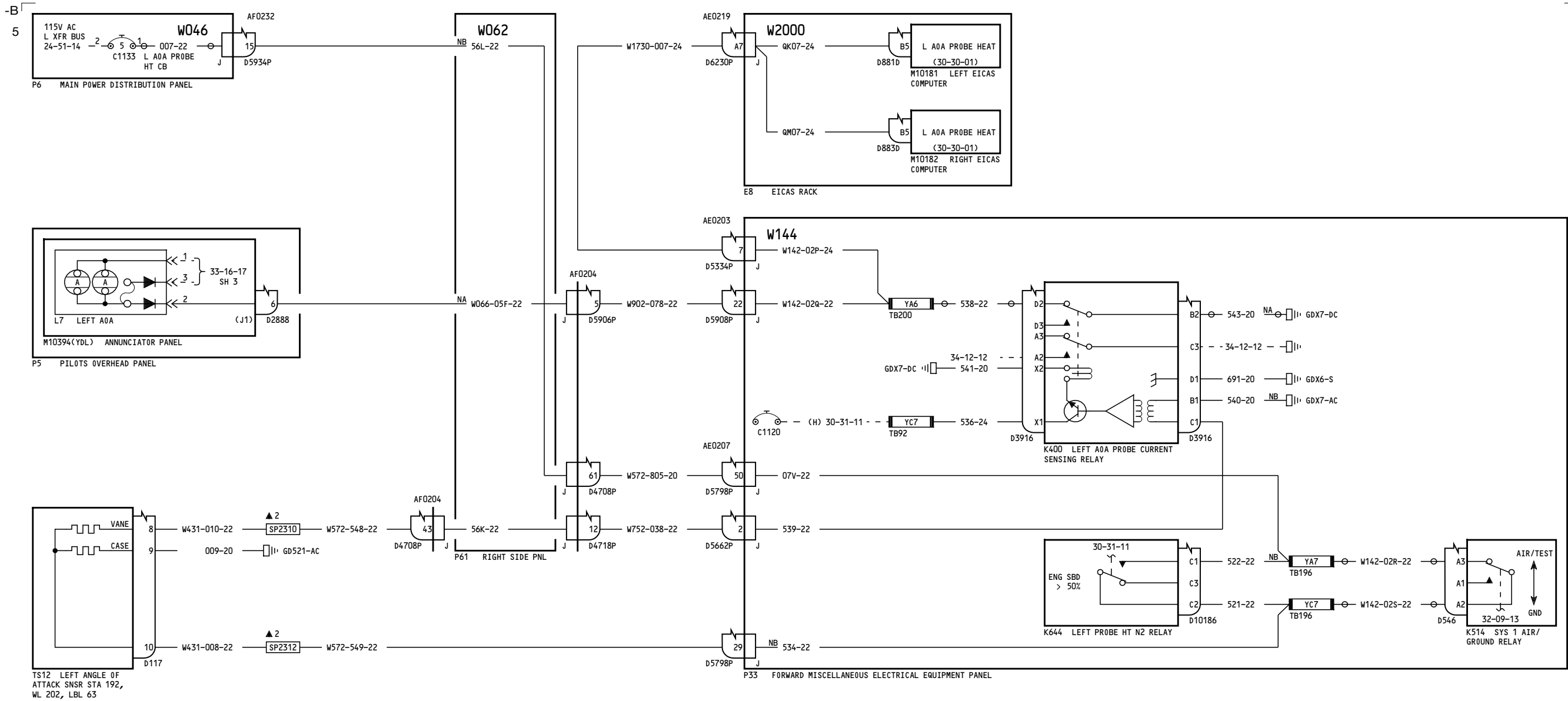
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ALL	PROBE HEAT- ANGLE OF ATTACK- LEFT
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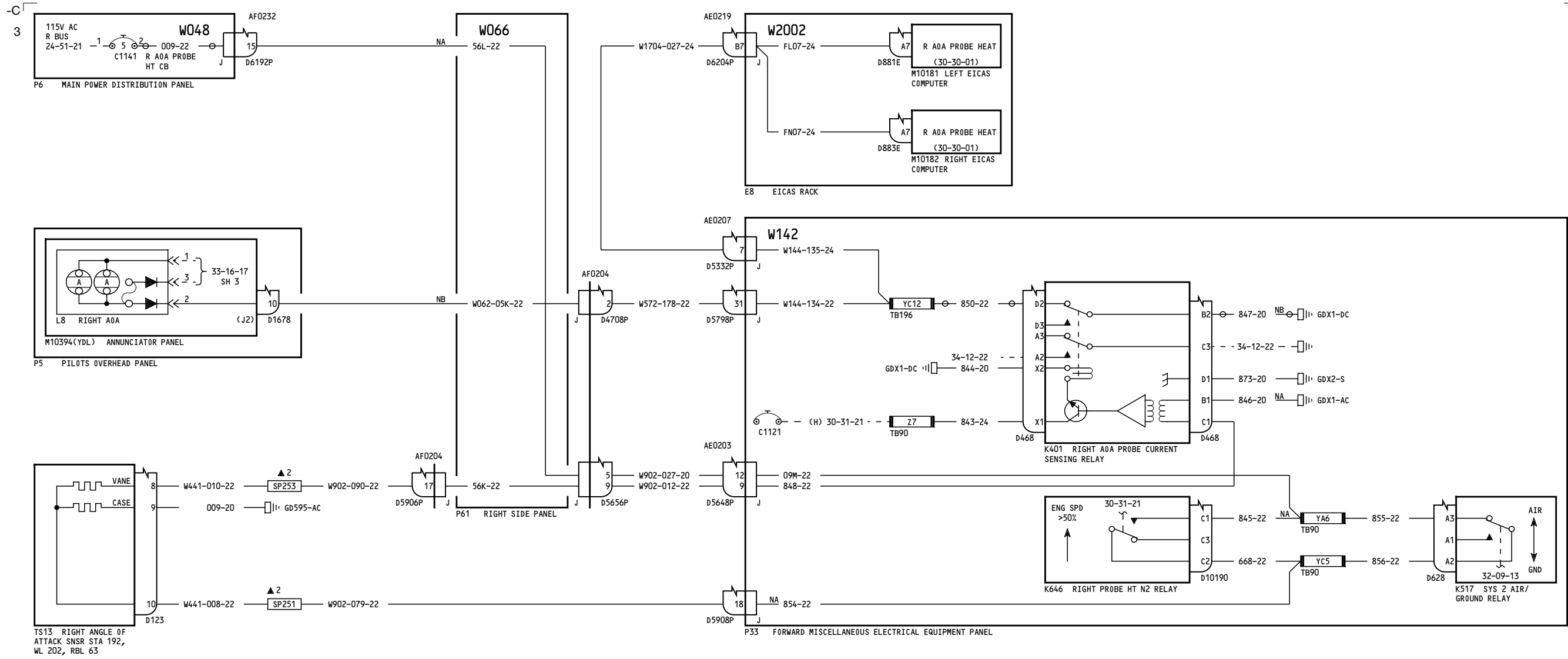
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**PROBE HEAT-
ANGLE OF ATTACK-
RIGHT**

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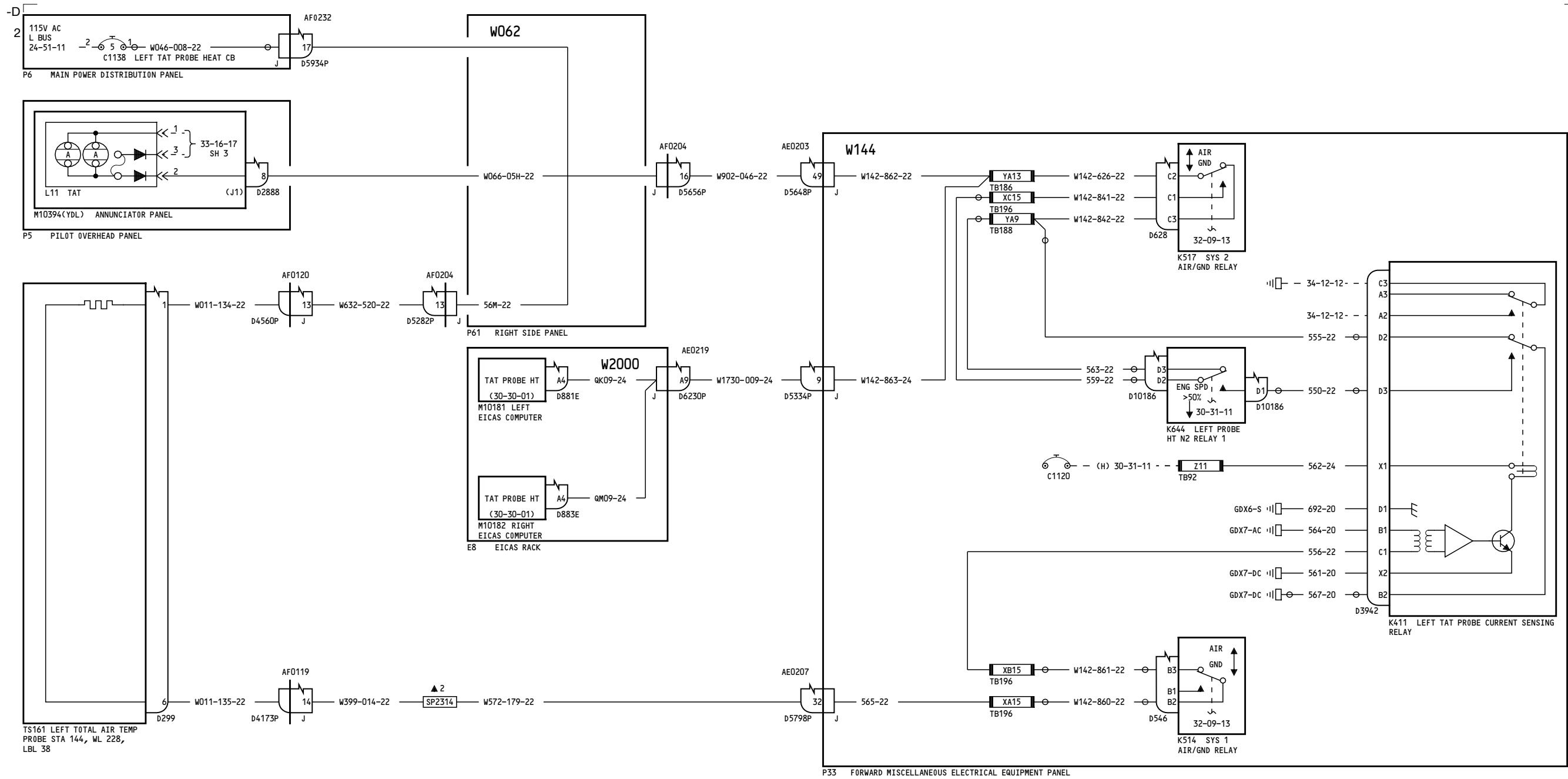
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ALL

**PROBE HEAT-
TOTAL AIR TEMPERATURE-
LEFT**

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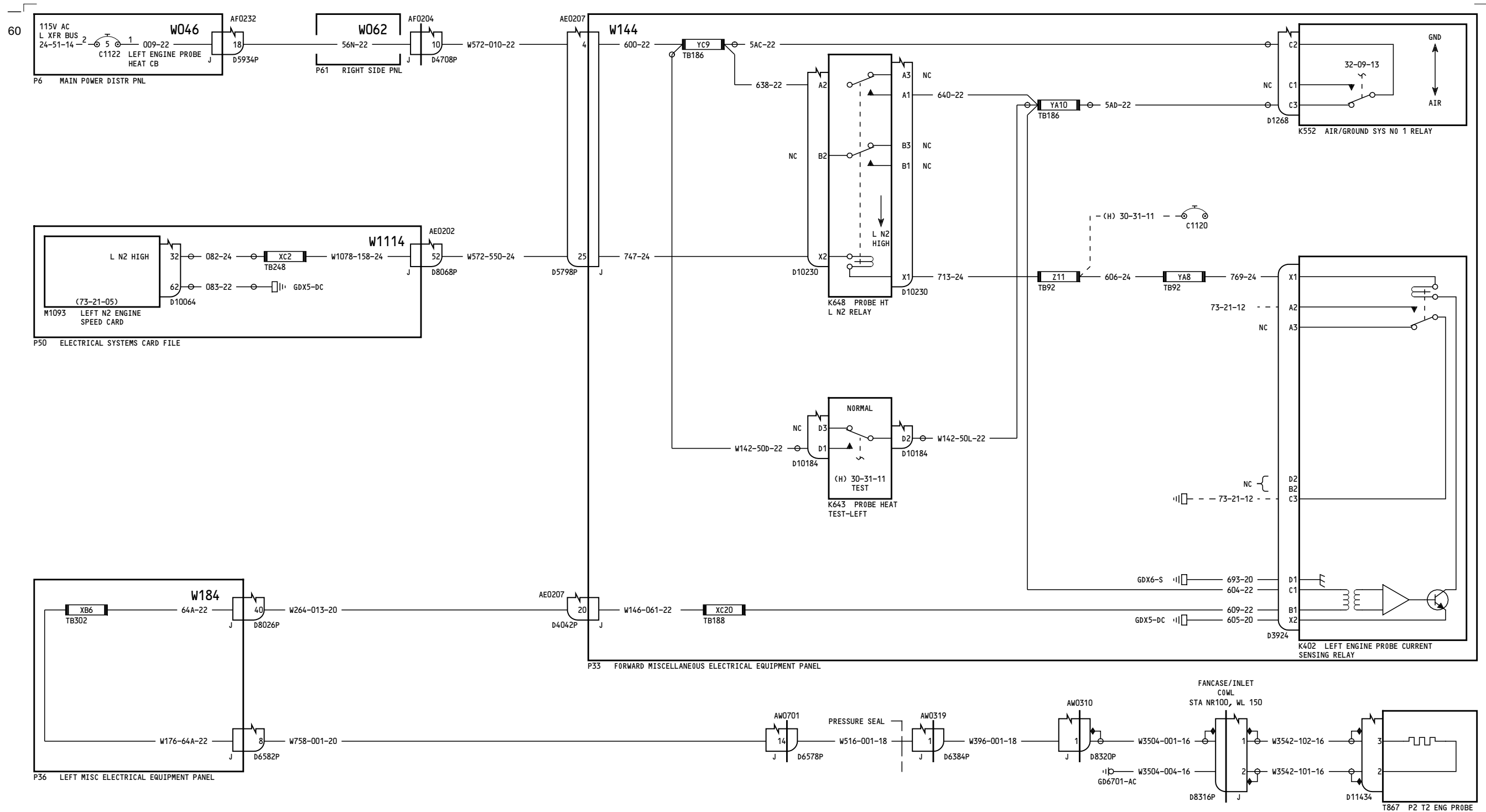
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NOTES:
SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM

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**PROBE HEAT-
ENGINE TT2-
LEFT**

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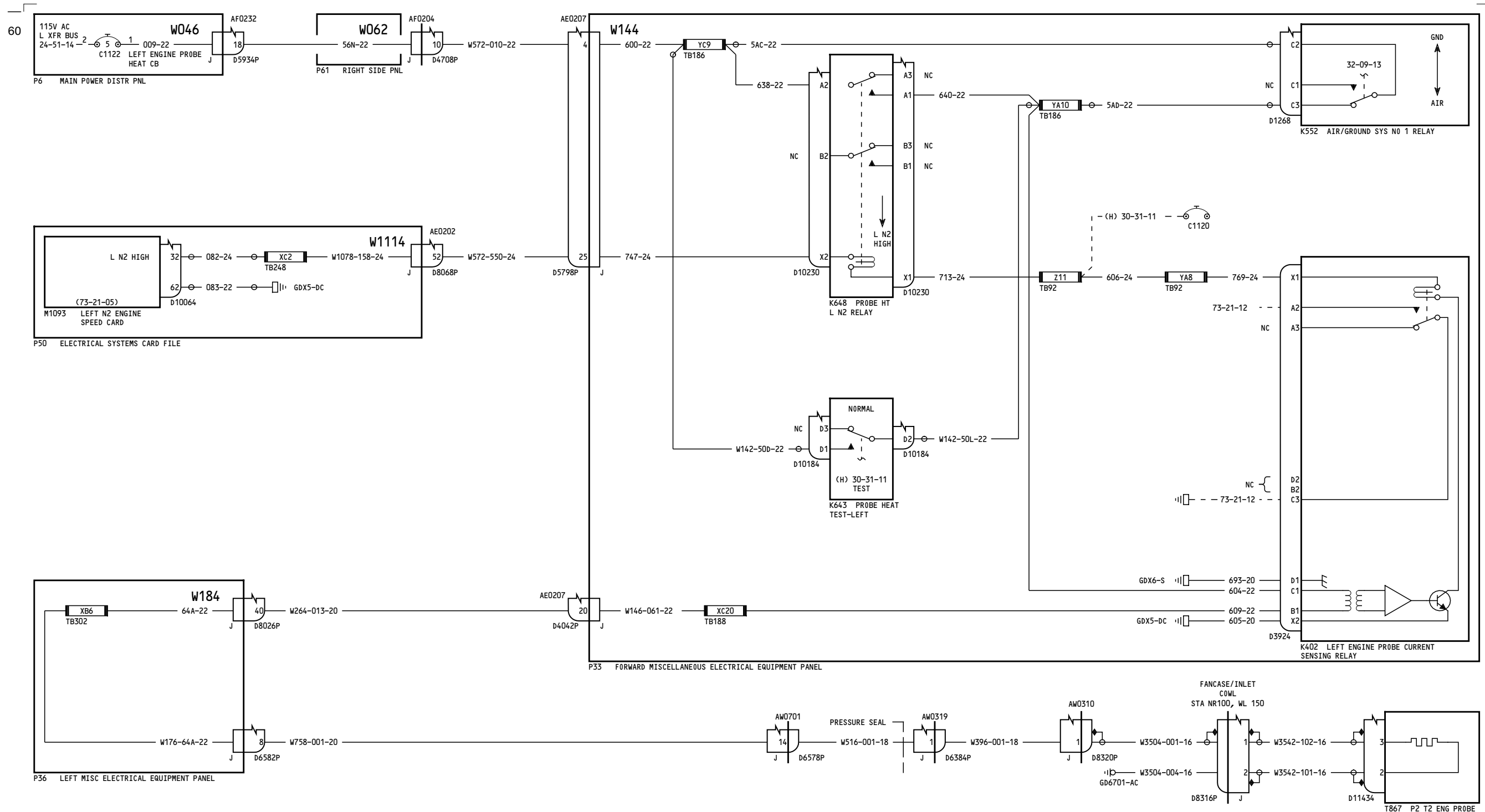
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NOTES:
SHIELD PIGTAIL TO DISCONNECT BACKSHELL 2 INCH MAXIMUM

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**PROBE HEAT-
ENGINE TT2-
LEFT**

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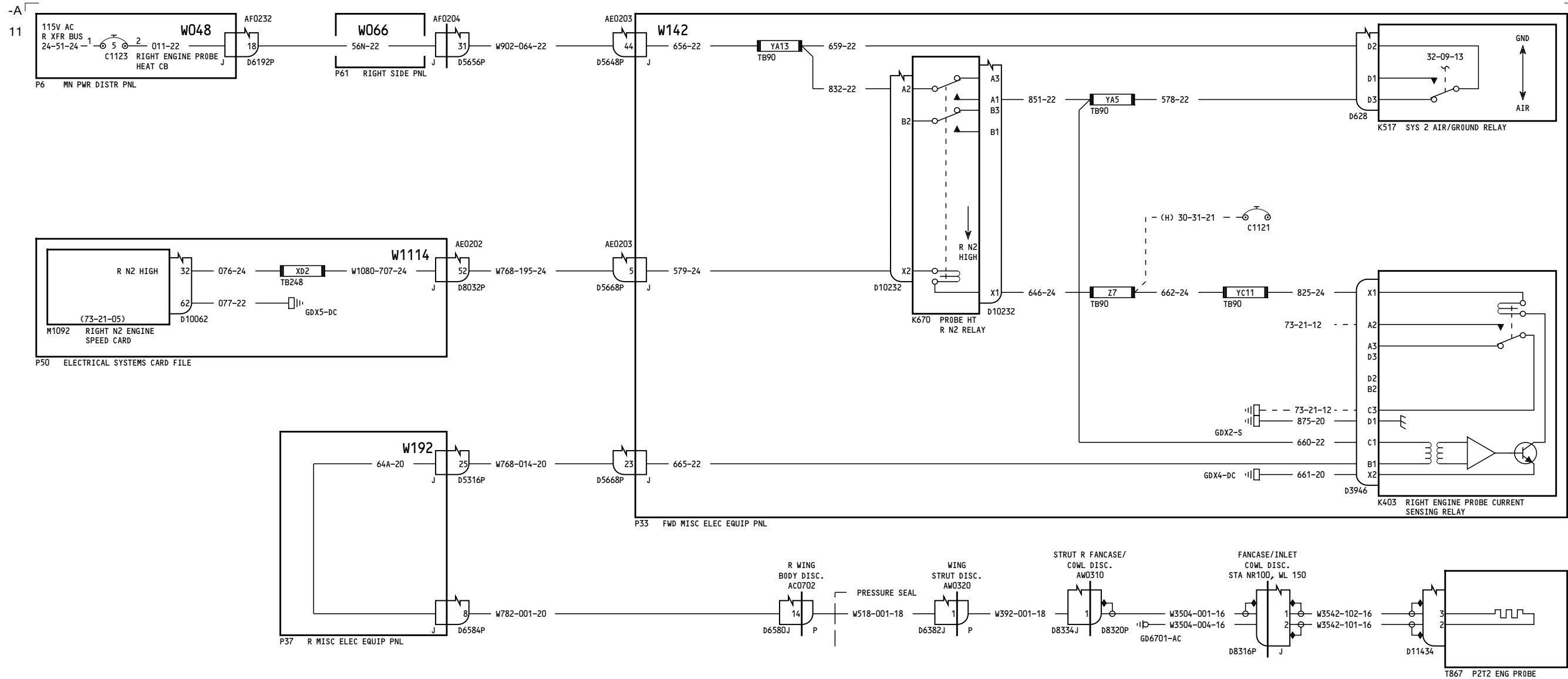
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NOTES:
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	D280T132

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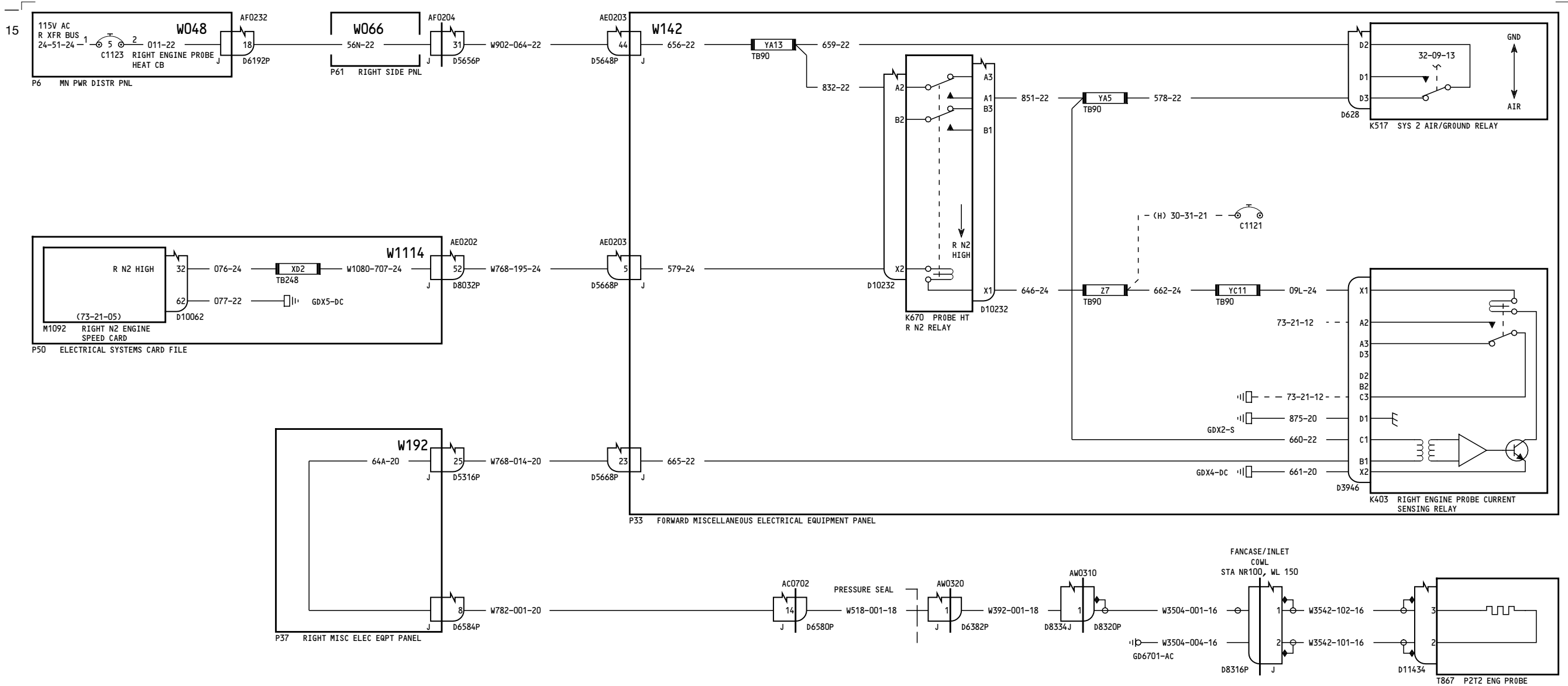
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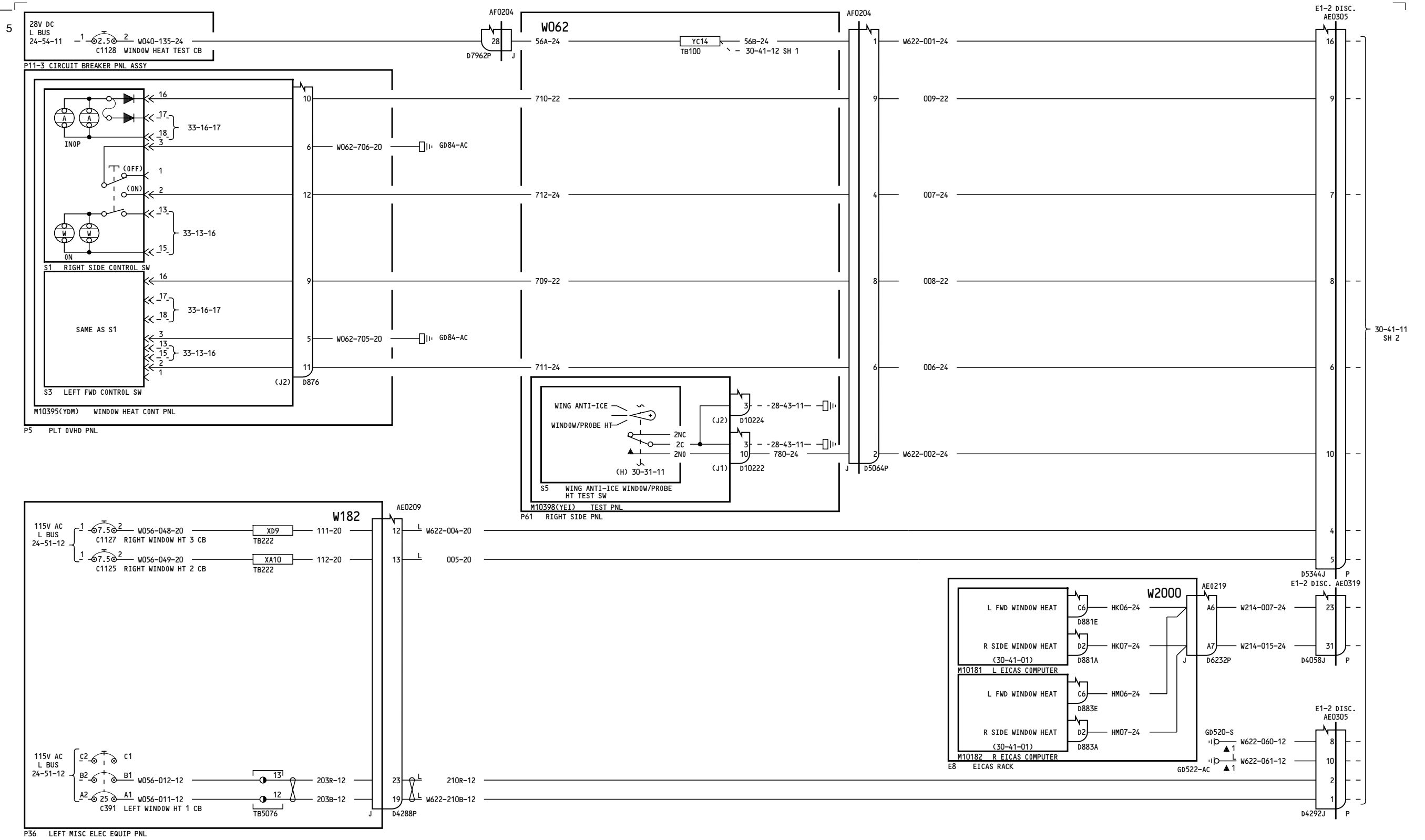


NOTES:
SHIELD PIGTAIL TO DISCONNECT BACK SHELL 2 INCH MAXIMUM

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**WINDOW HEAT-
LEFT FORWARD &
RIGHT SIDE**

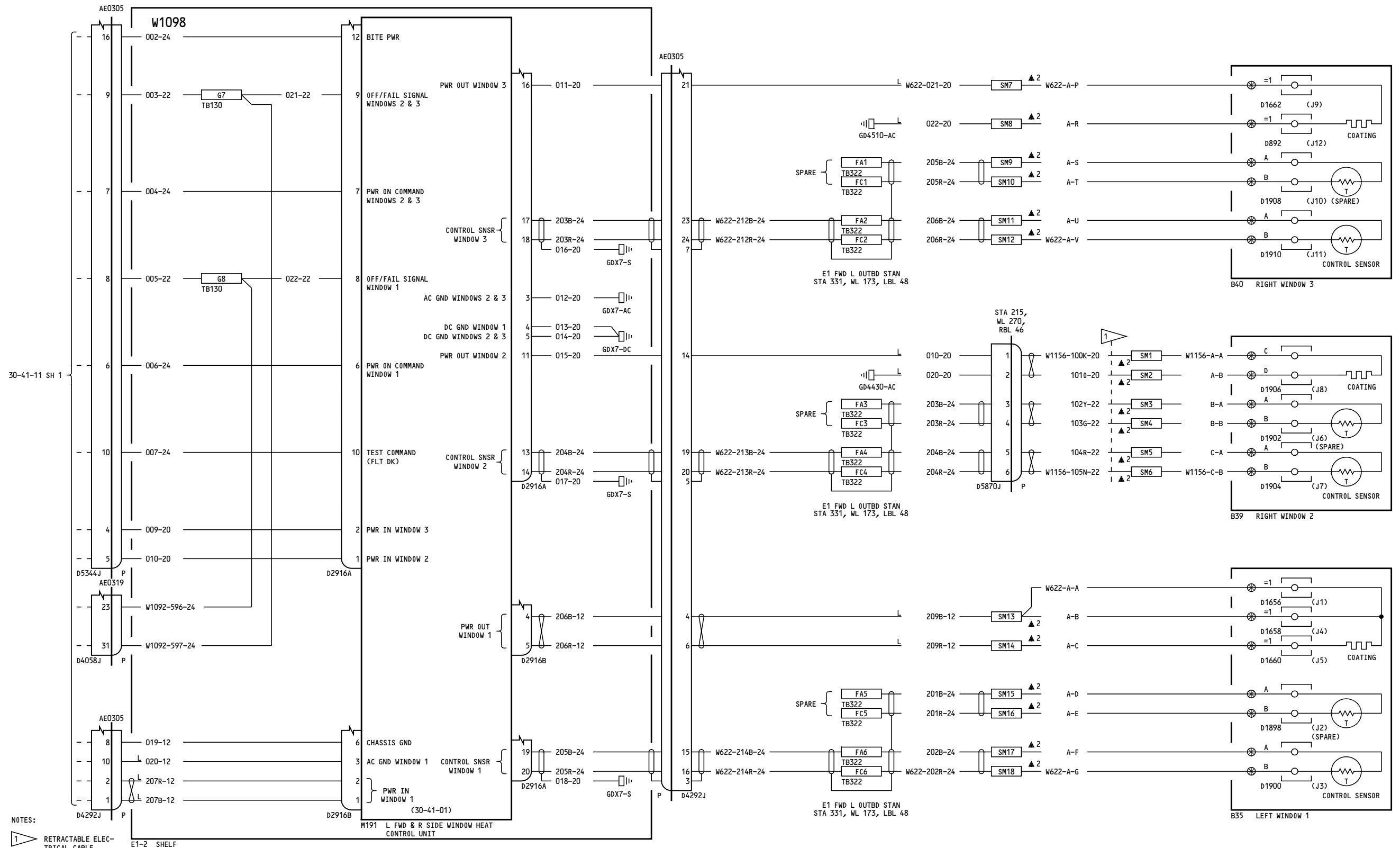
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WINDOW HEAT-
LEFT FORWARD &
RIGHT SIDE

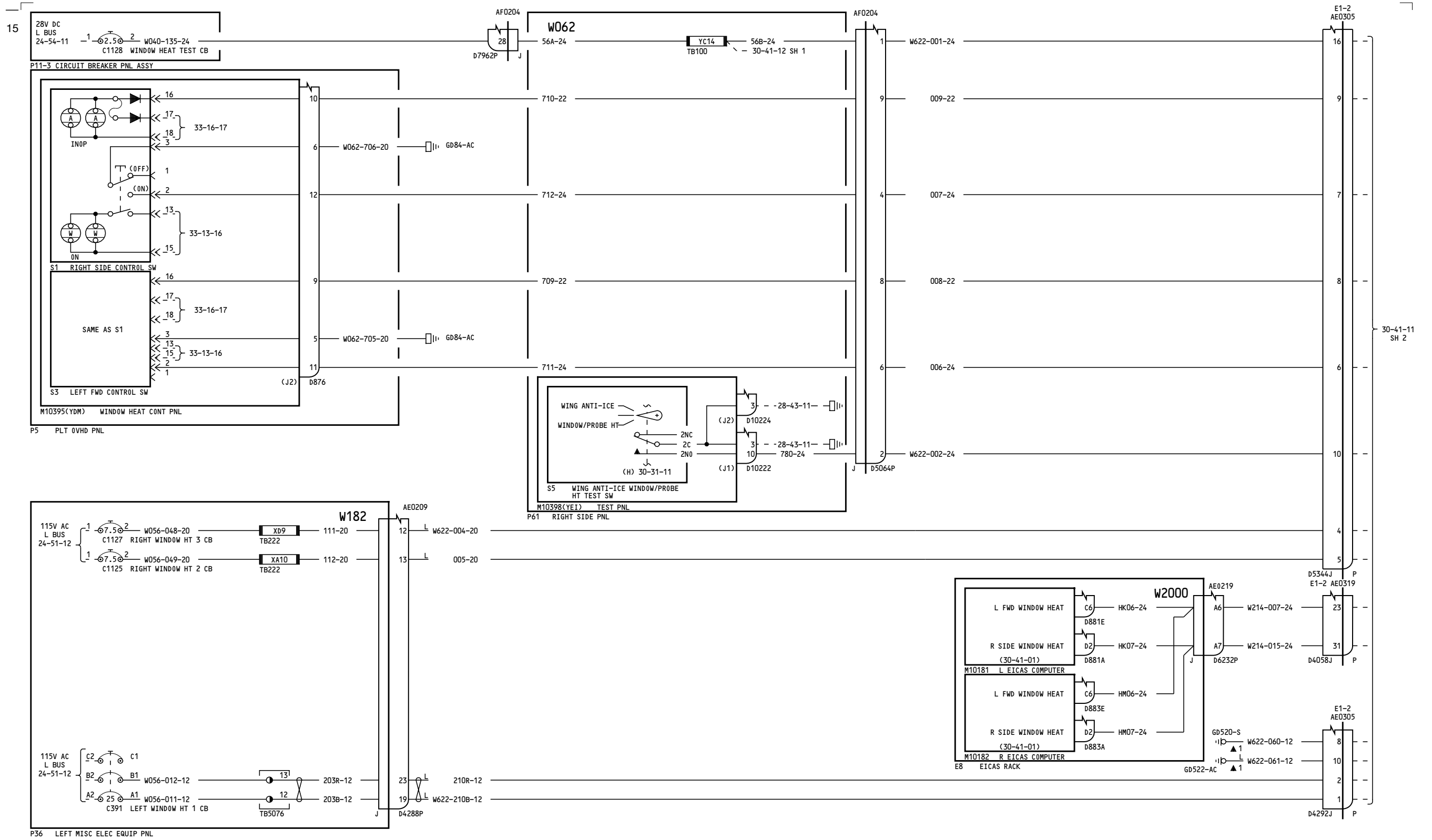
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**WINDOW HEAT-
LEFT FORWARD &
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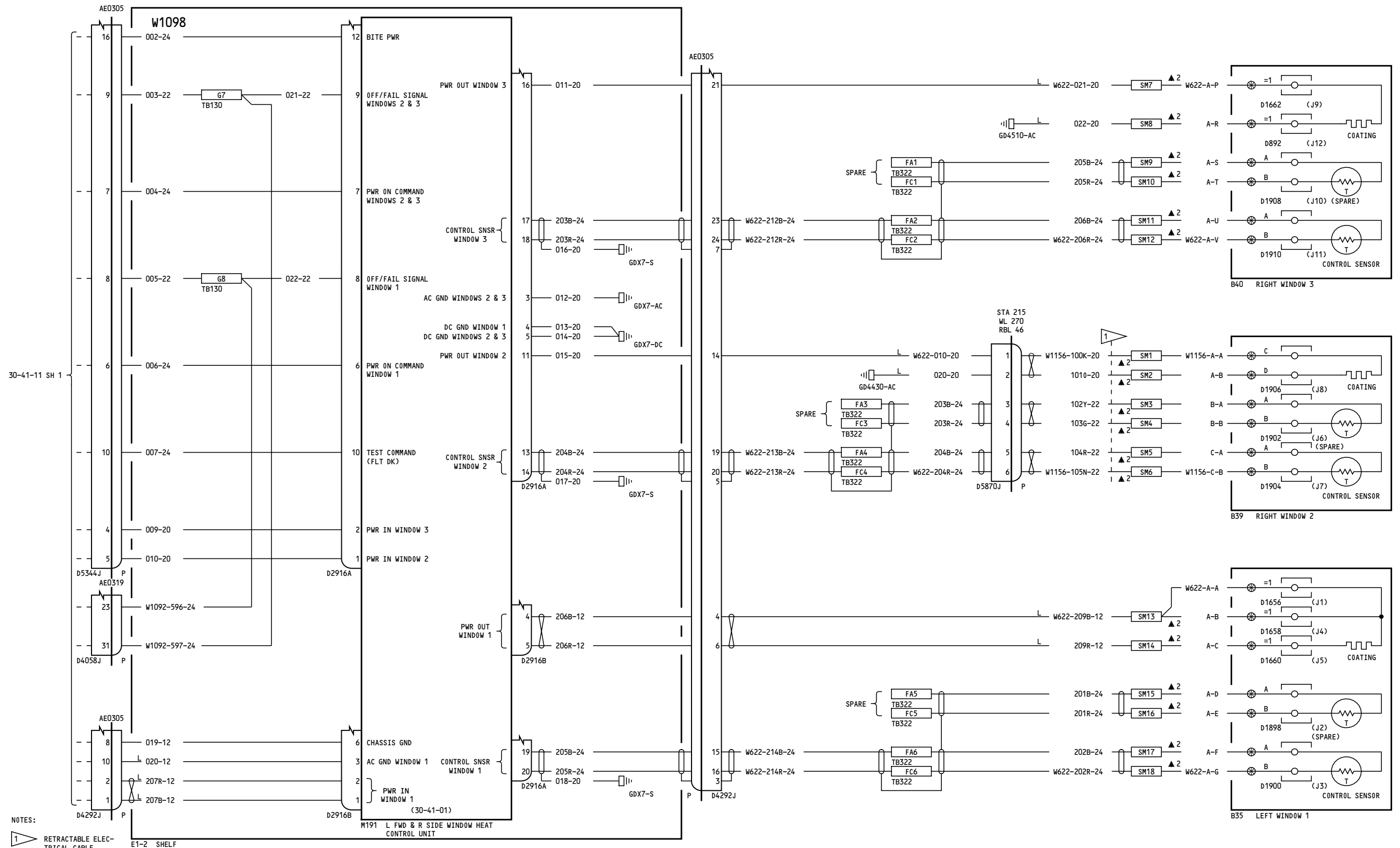
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**WINDOW HEAT-
LEFT FORWARD &
RIGHT SIDE**

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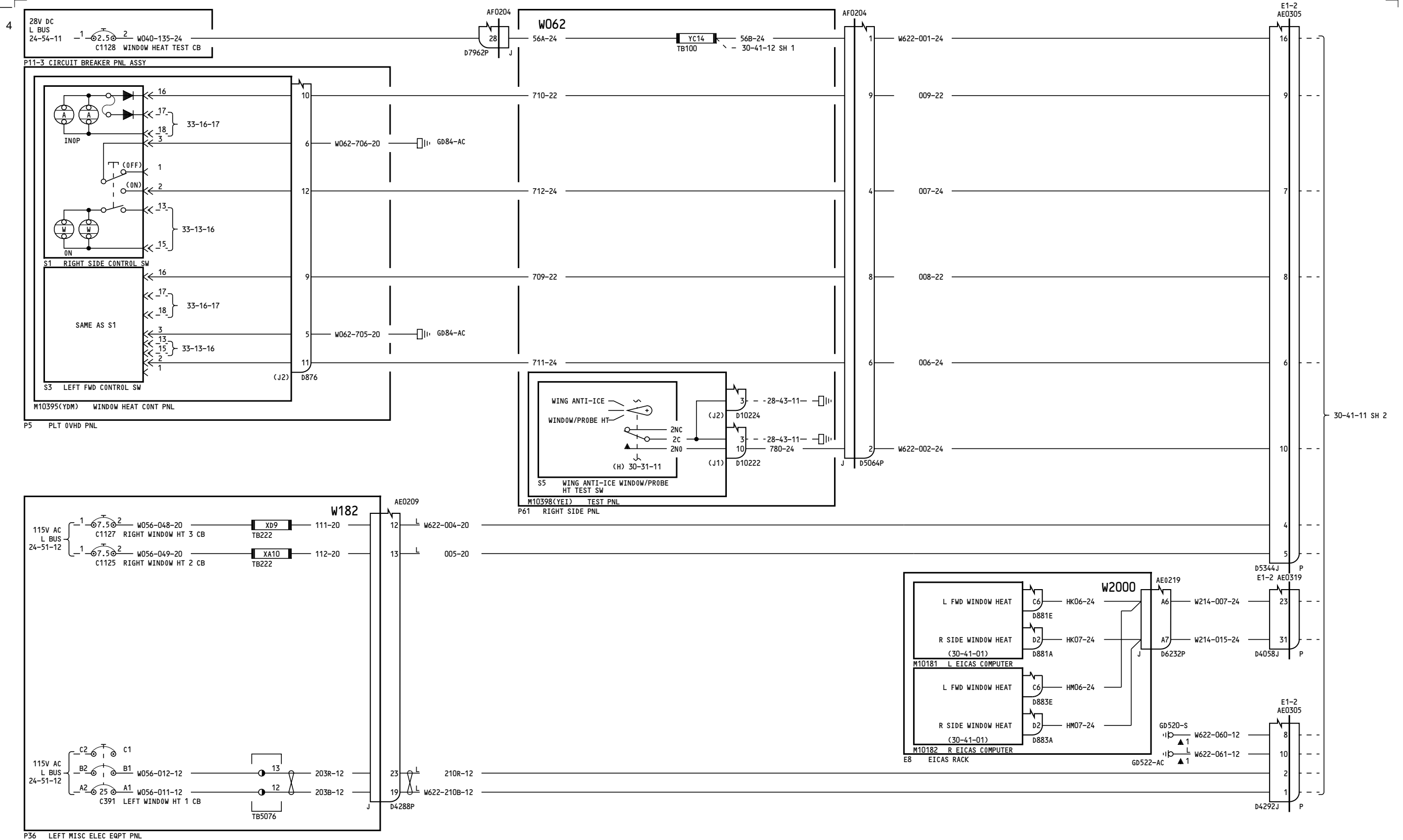
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**WINDOW HEAT-
LEFT FORWARD &
RIGHT SIDE**

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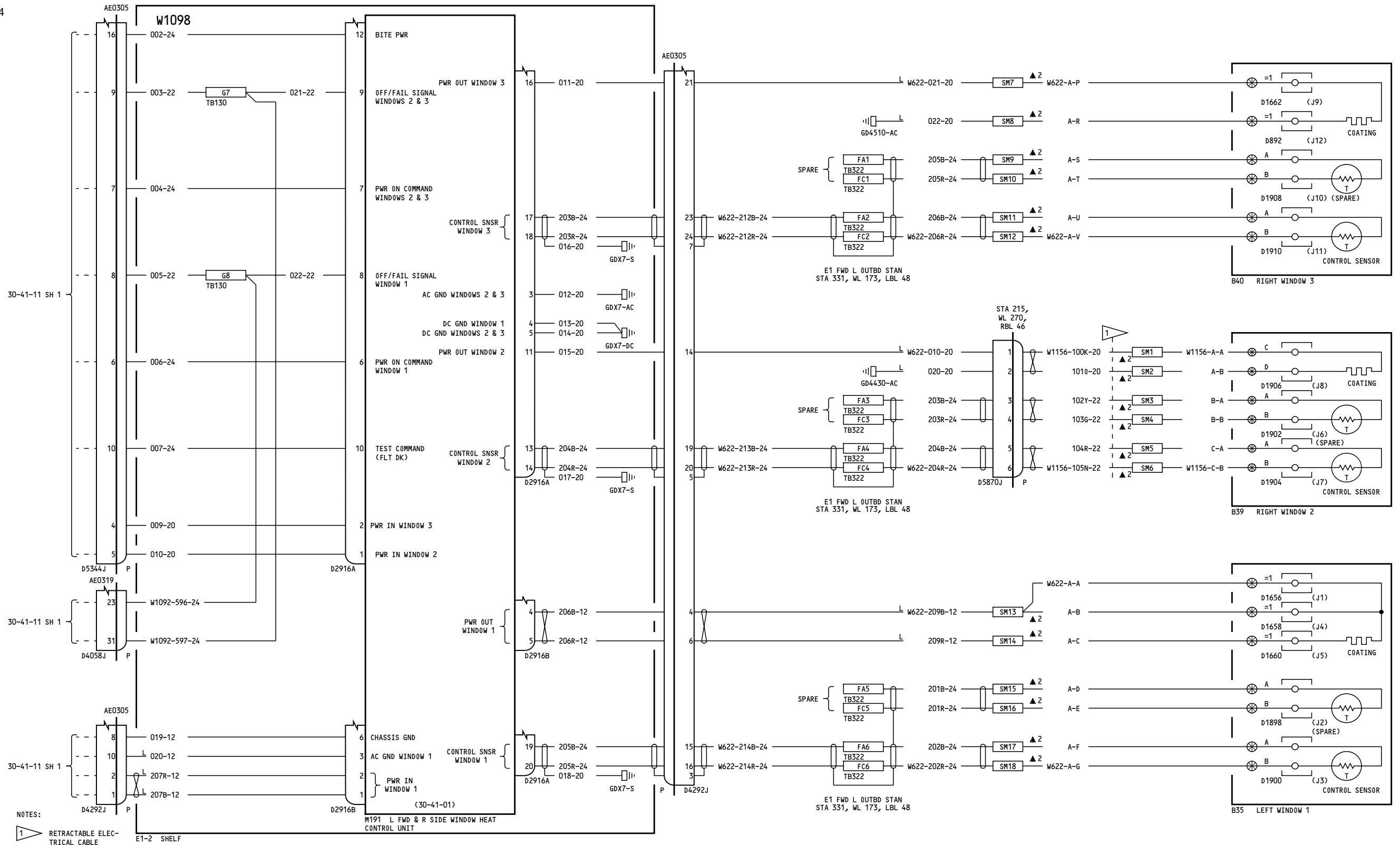
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**WINDOW HEAT-
LEFT FORWARD &
RIGHT SIDE**

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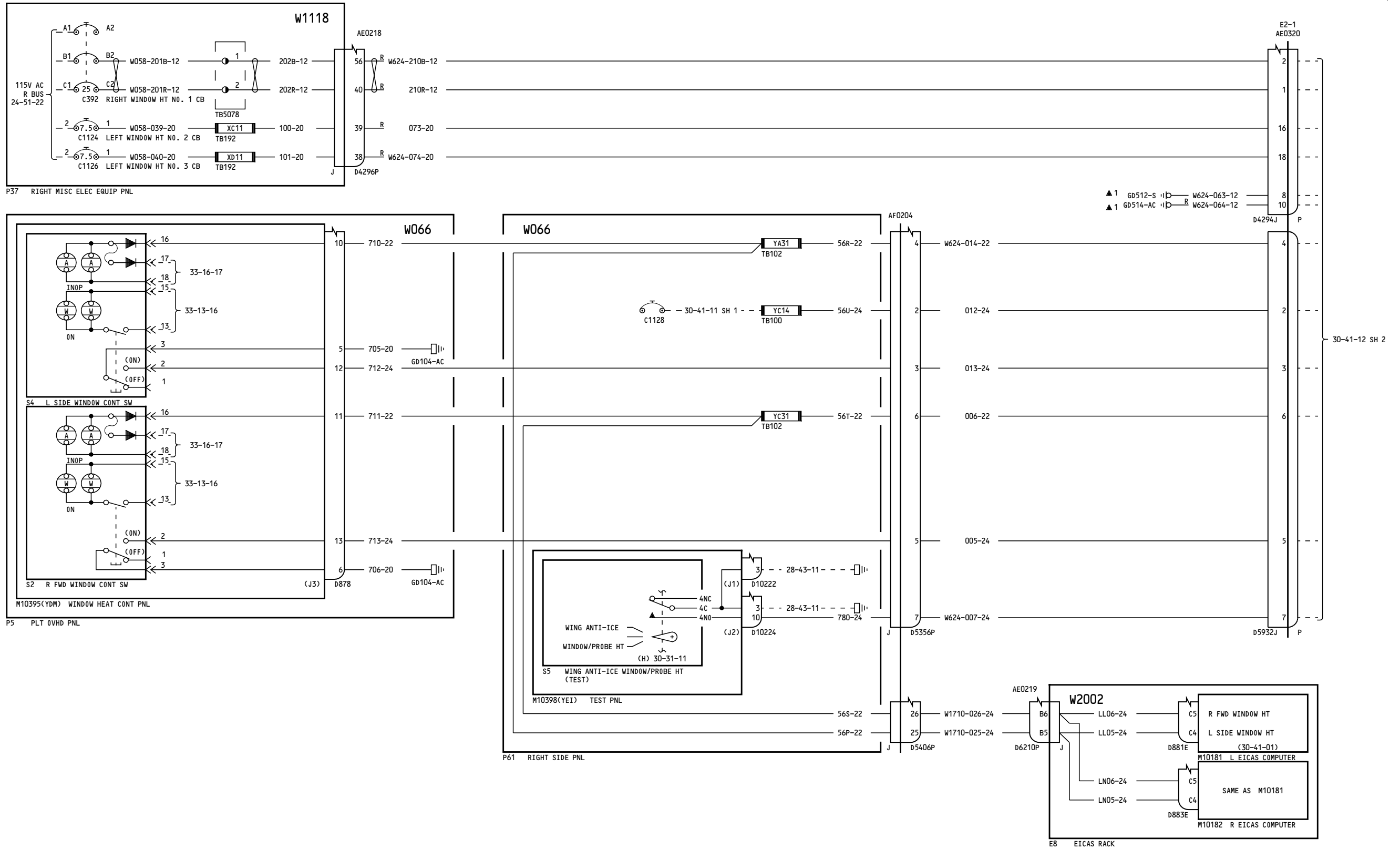
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WINDOW HEAT-
RIGHT FORWARD &
LEFT SIDE

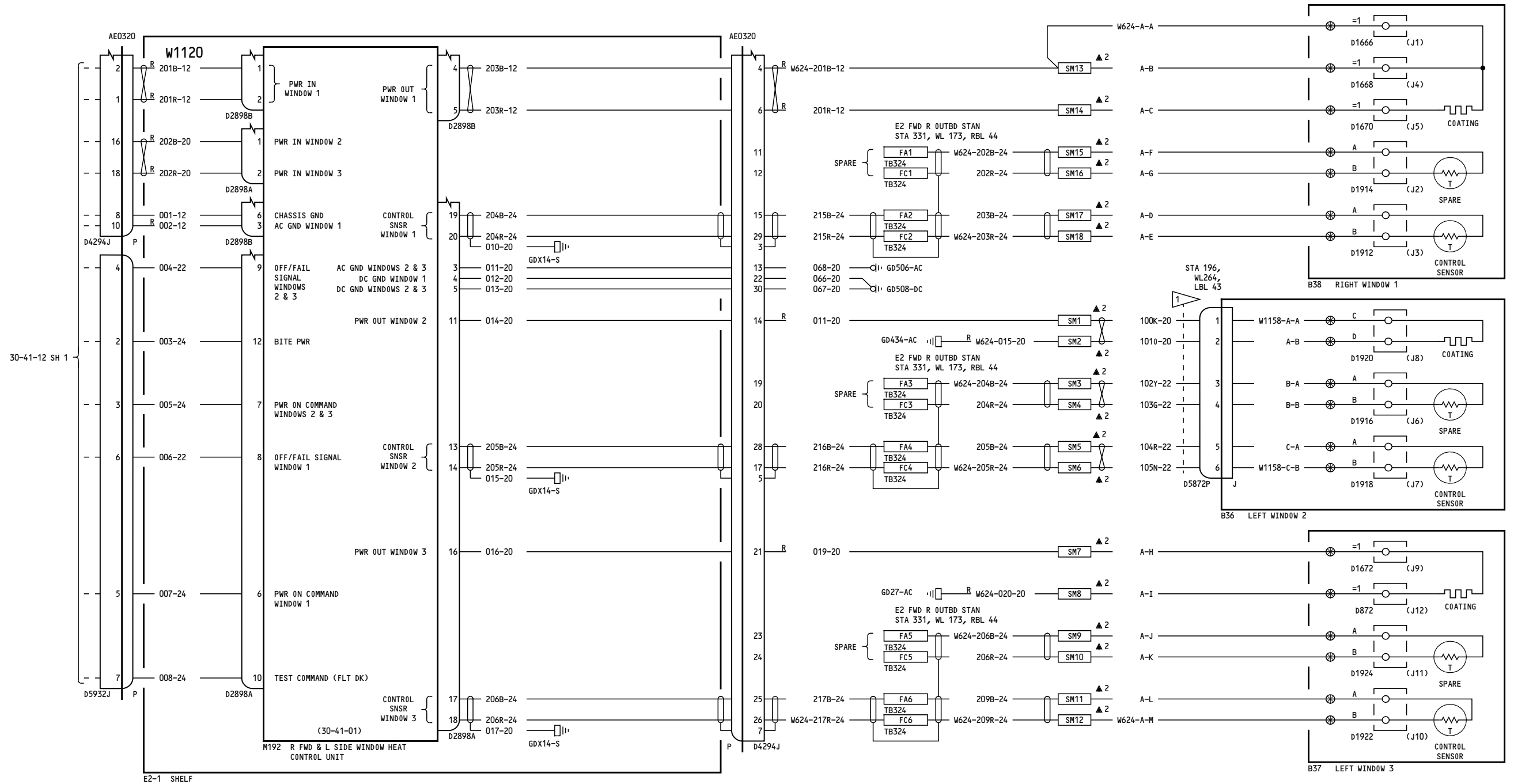
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NOTES:
 1 ▷ RETRACTABLE ELECTRICAL CABLE.

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**WINDOW HEAT-
RIGHT FORWARD &
LEFT SIDE**

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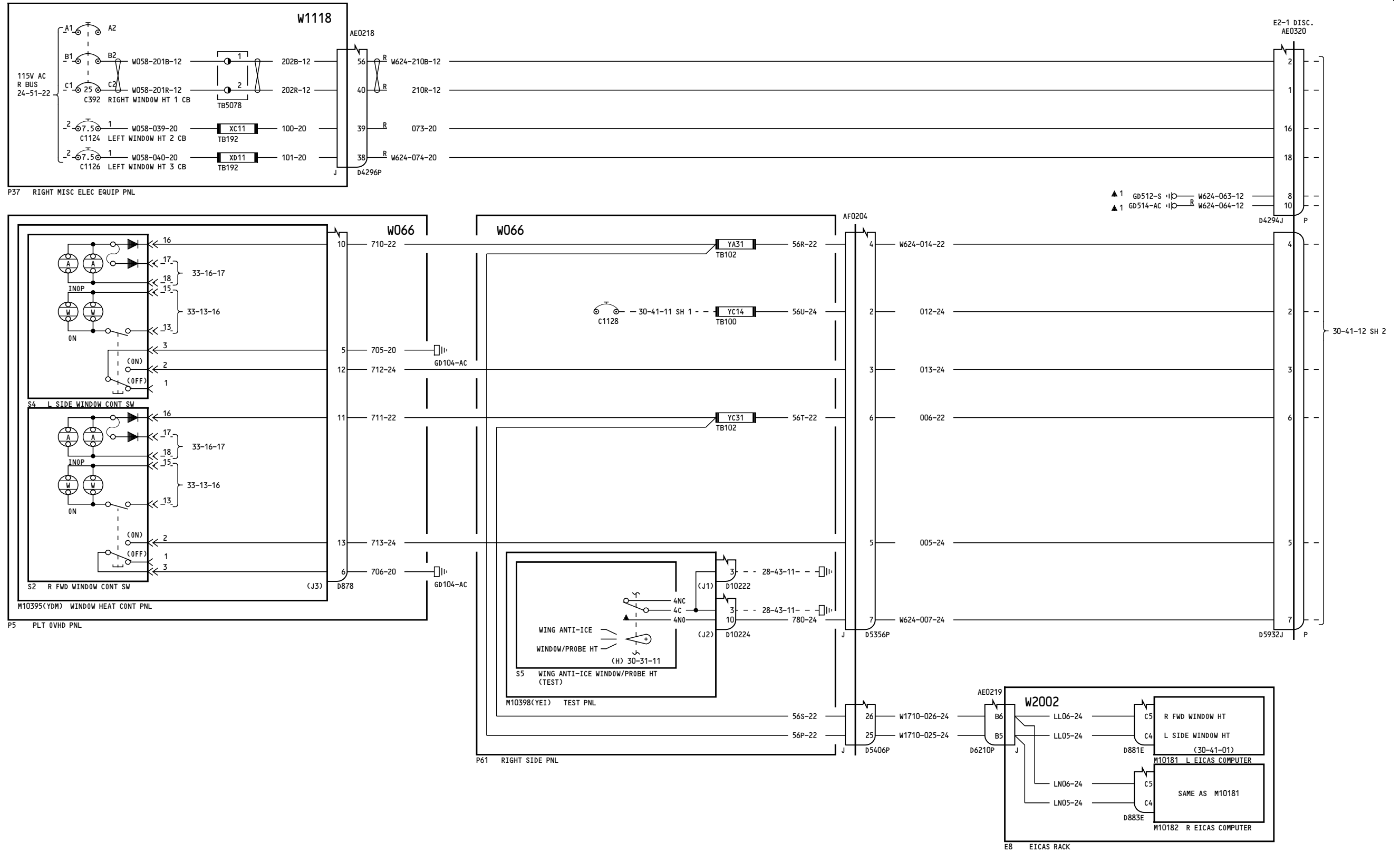
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**WINDOW HEAT-
RIGHT FORWARD &
LEFT SIDE**

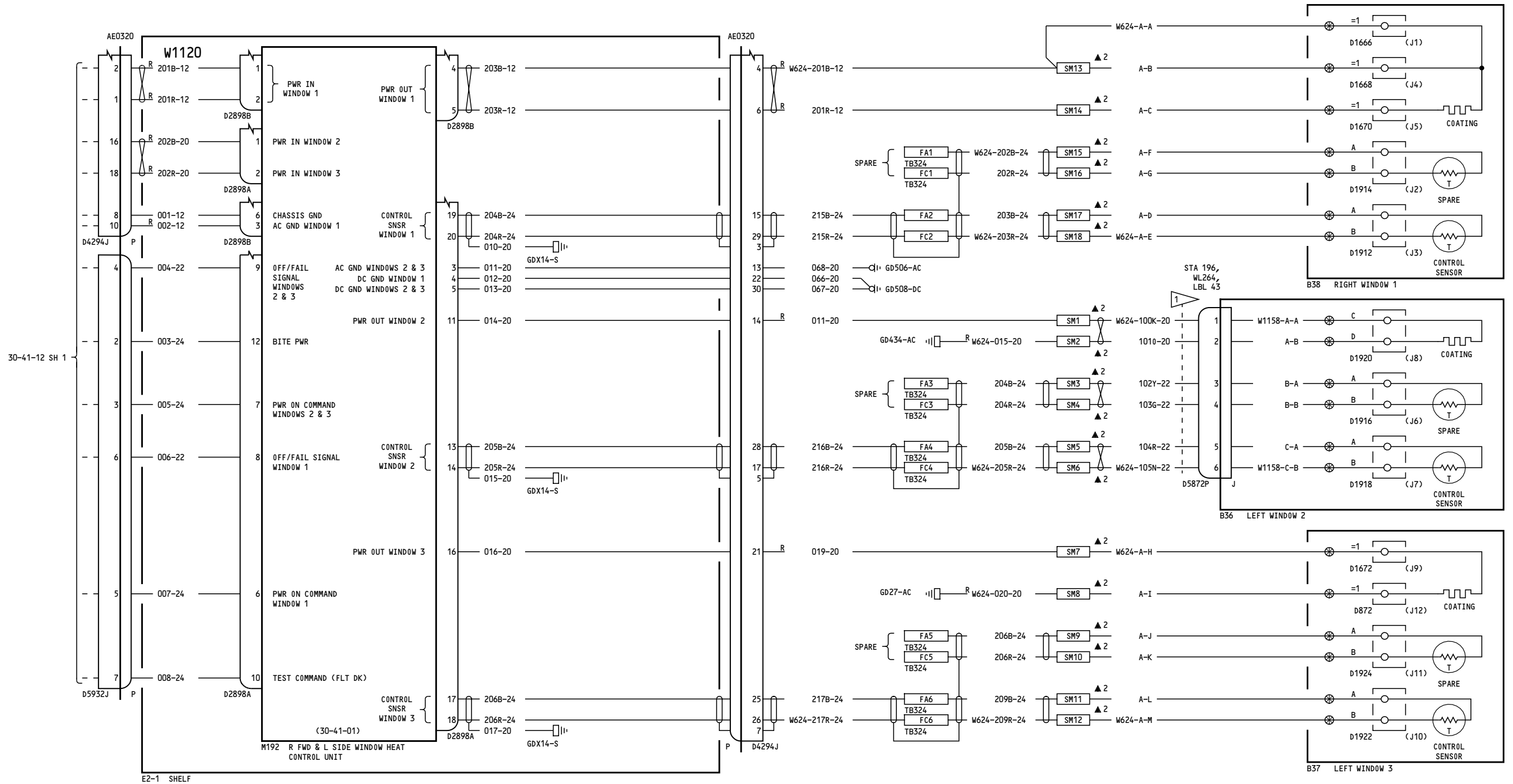
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NOTES:
 1 RETRACTABLE ELECTRICAL CABLE.

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**WINDOW HEAT-
 RIGHT FORWARD &
 LEFT SIDE**

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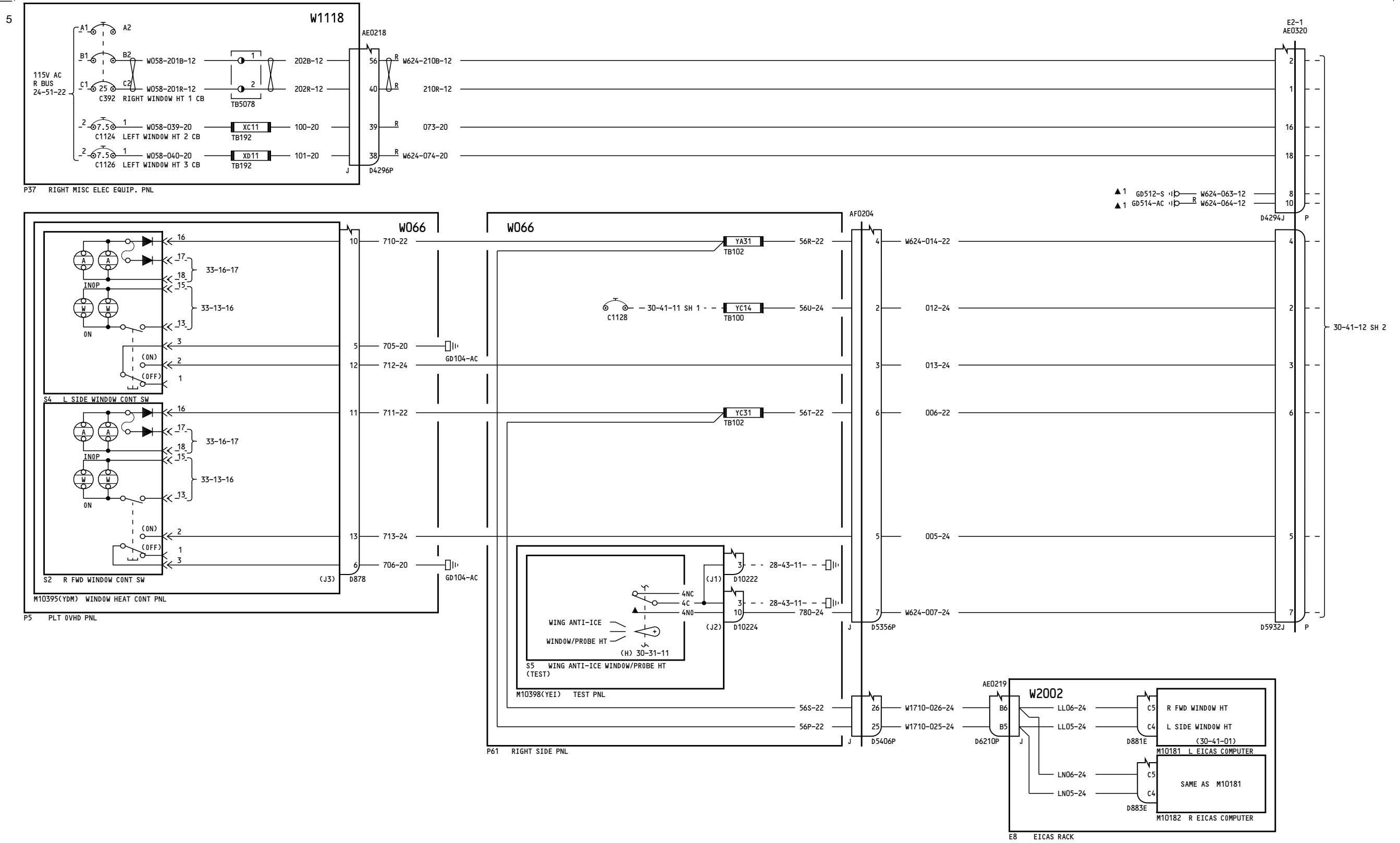
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**WINDOW HEAT-
RIGHT FORWARD &
LEFT SIDE**

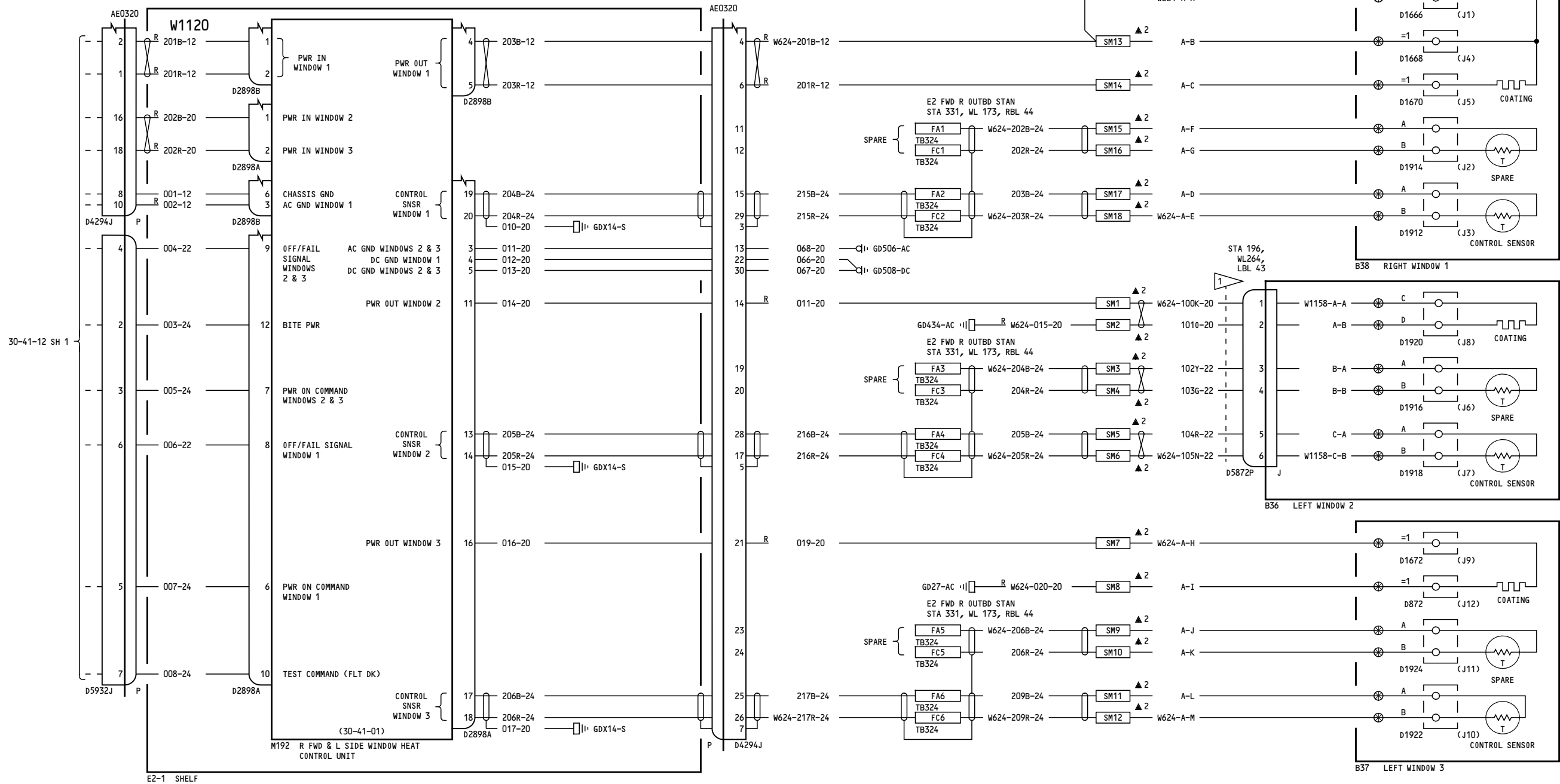
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NOTES:
 1 ▷ RETRACTABLE ELECTRICAL CABLE.

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**WINDOW HEAT-
 RIGHT FORWARD &
 LEFT SIDE**

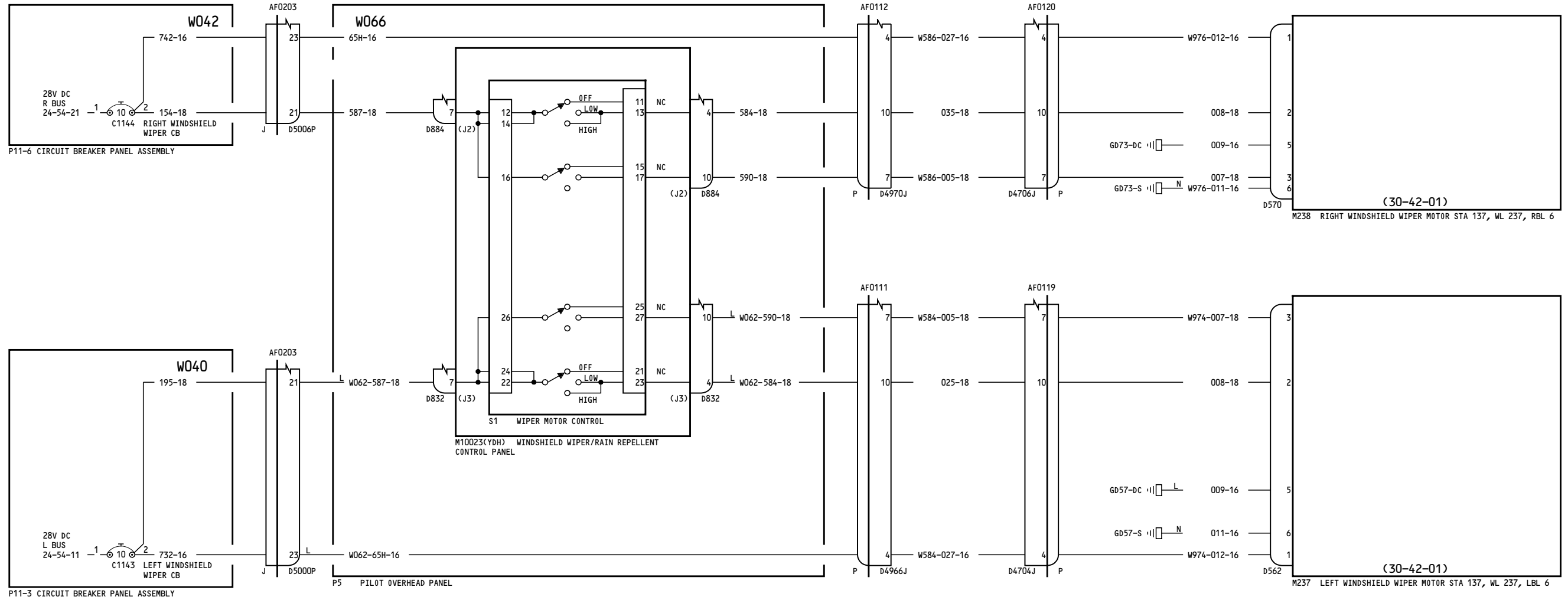
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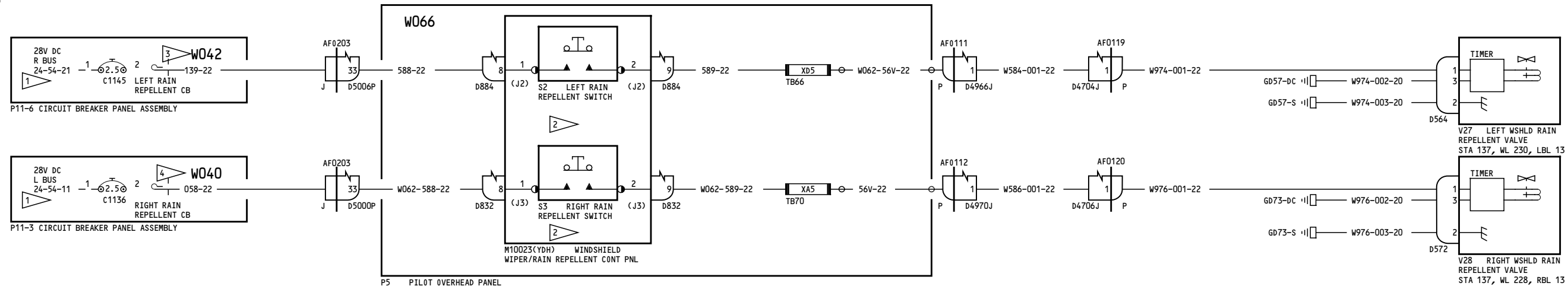
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- NOTES:
- 1 COLLAR AND LABEL "INOP"
 - 2 "INOP"
 - 3 CAP & STOW NEAR C1145
 - 4 CAP & STOW NEAR C1136

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WINDSHIELD RAIN REPELLENT

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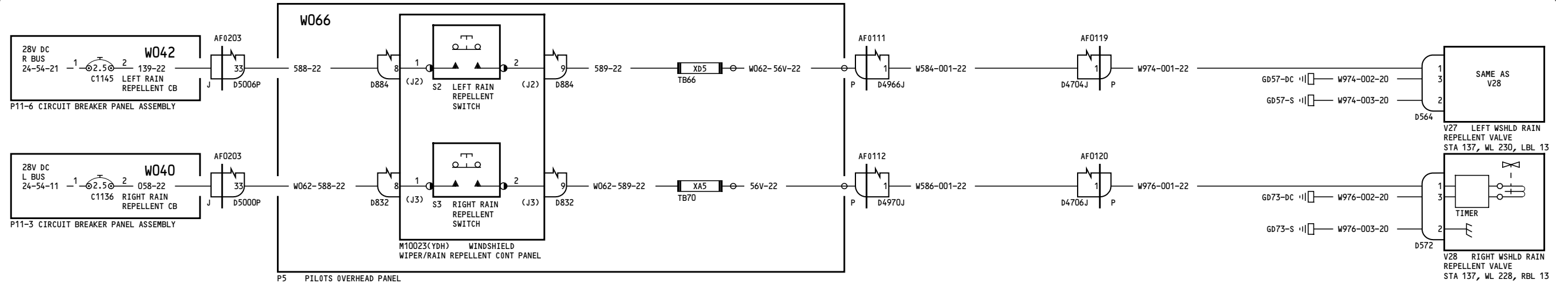
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WINDSHIELD RAIN REPELLENT

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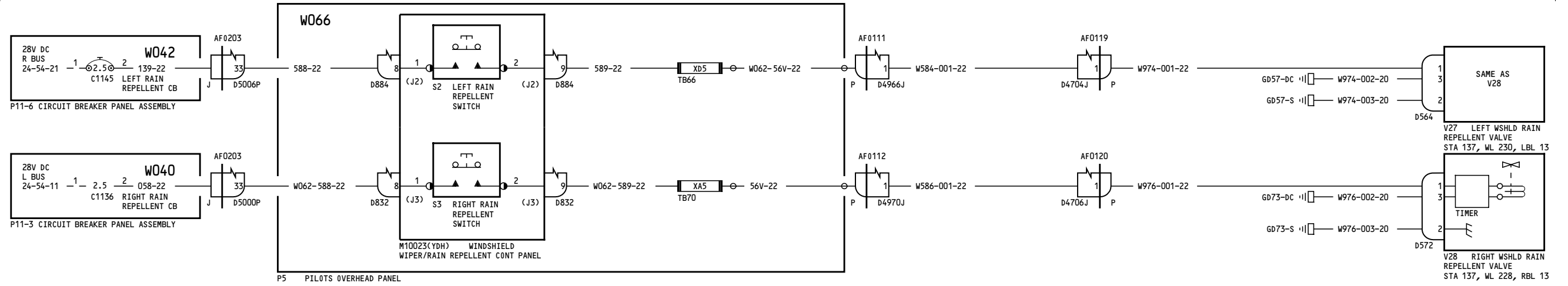
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WINDSHIELD RAIN REPELLENT

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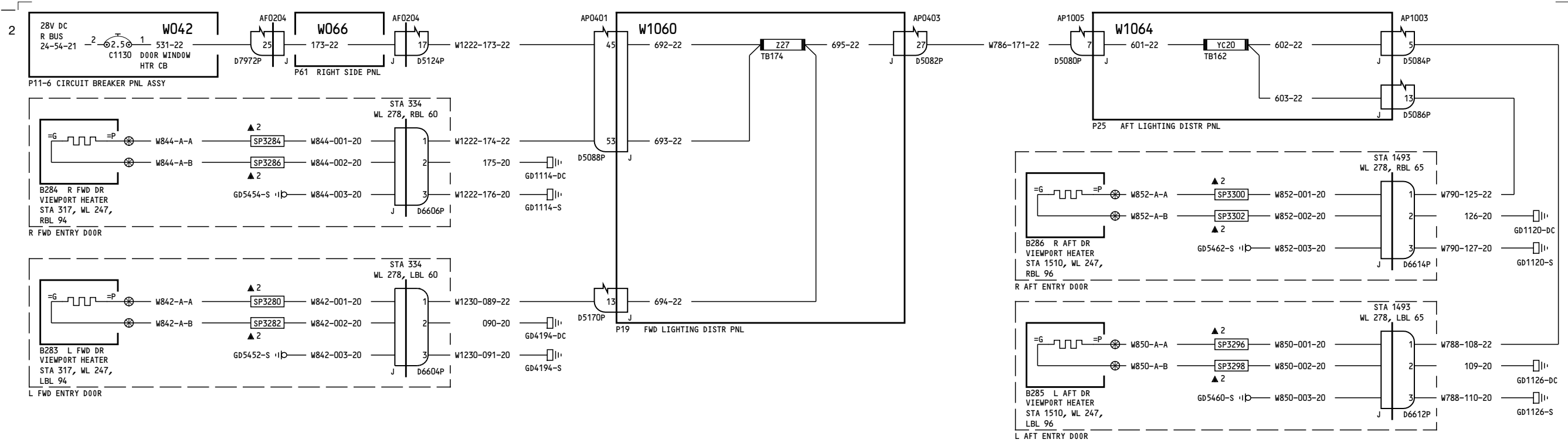
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**VIEWPORT HEATERS
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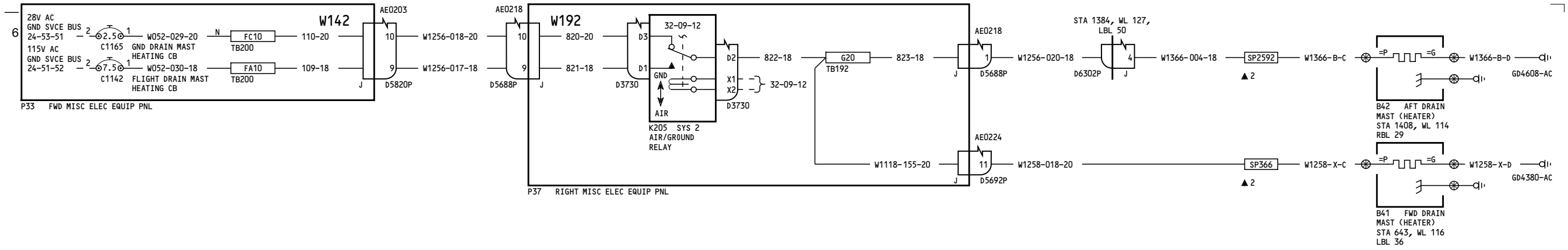
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DRAIN MAST HEATING

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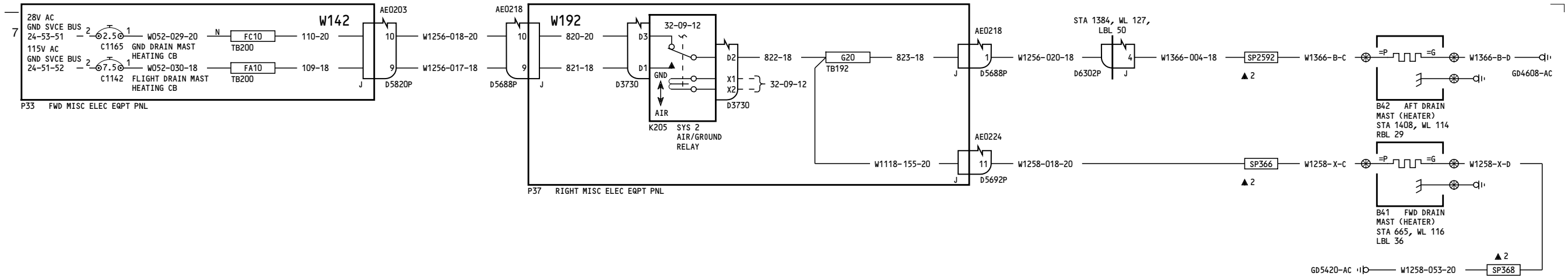
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DRAIN MAST HEATING

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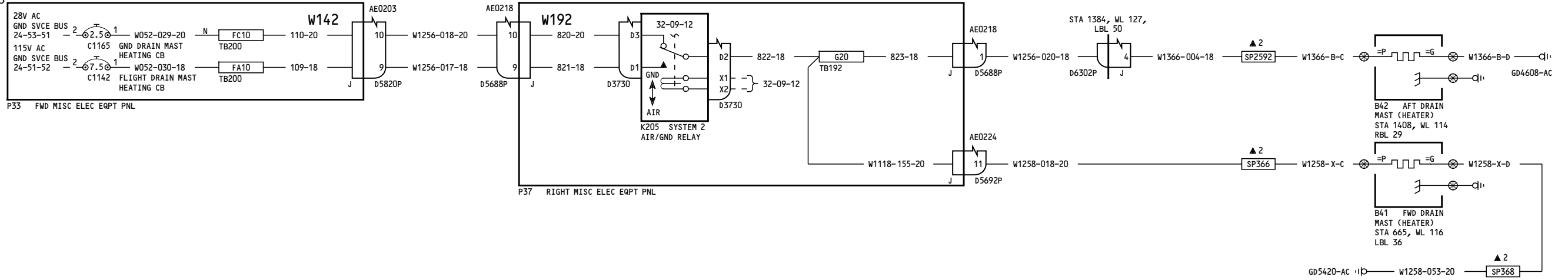
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DRAIN MAST HEATING

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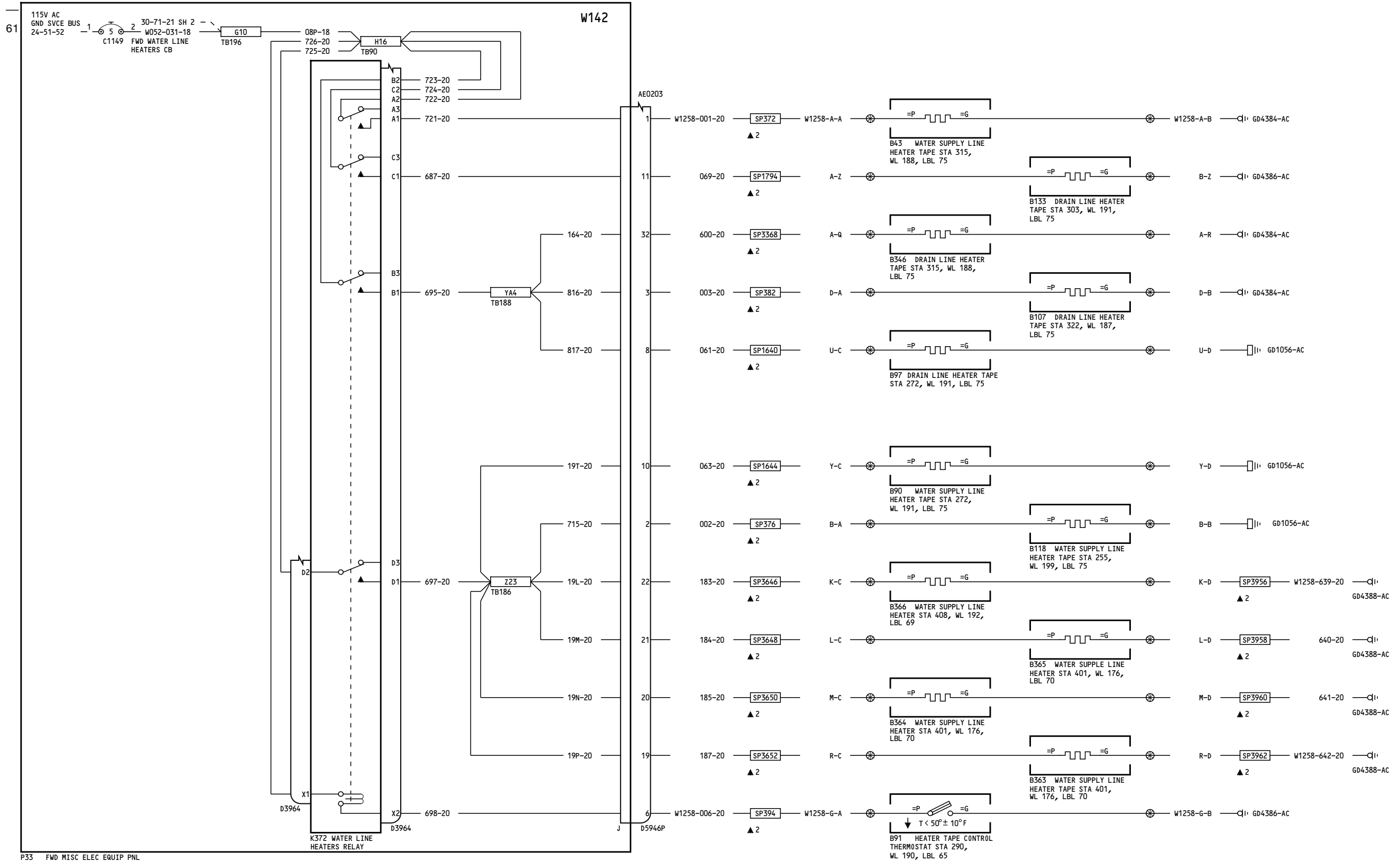
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS

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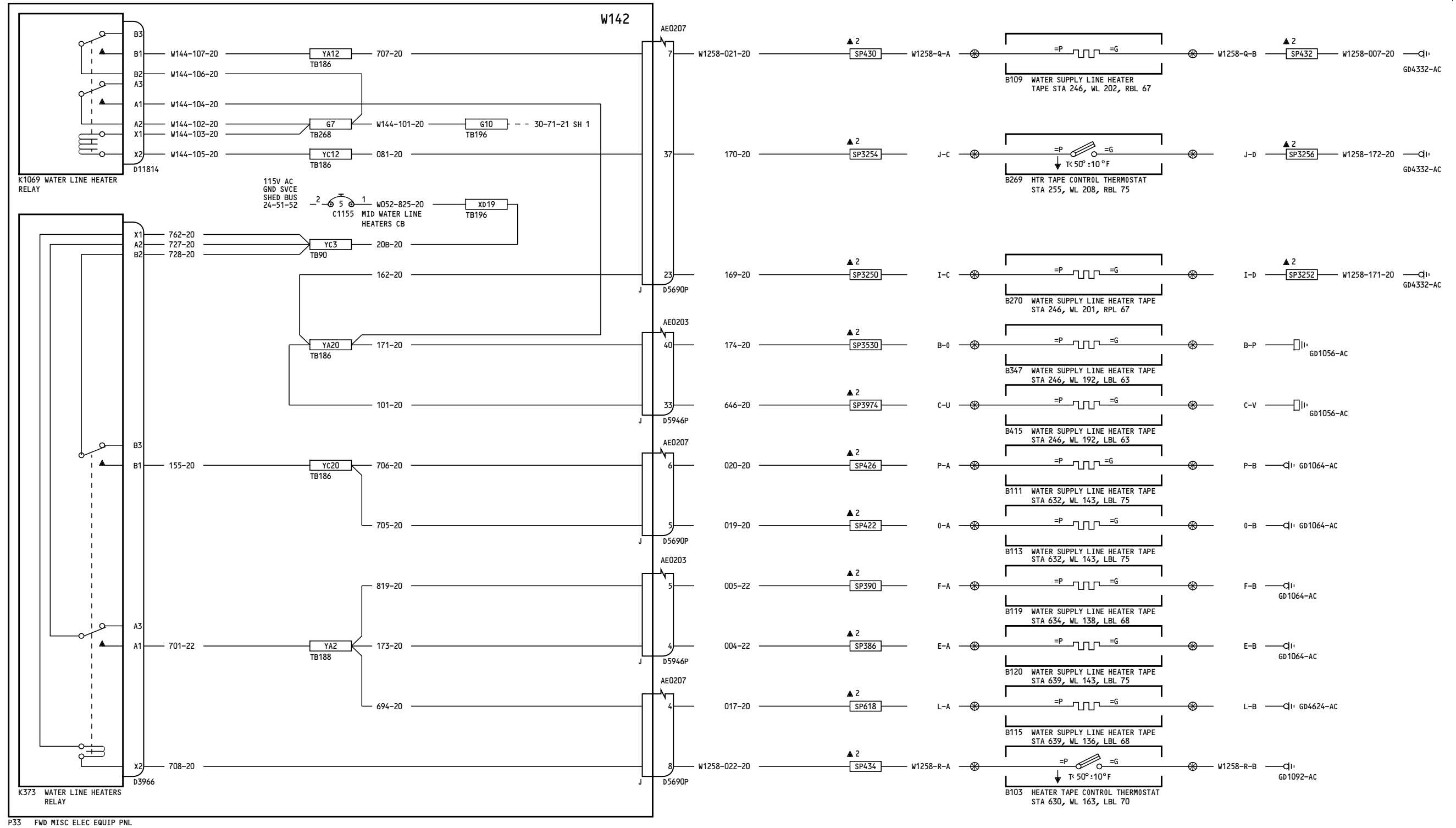
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS

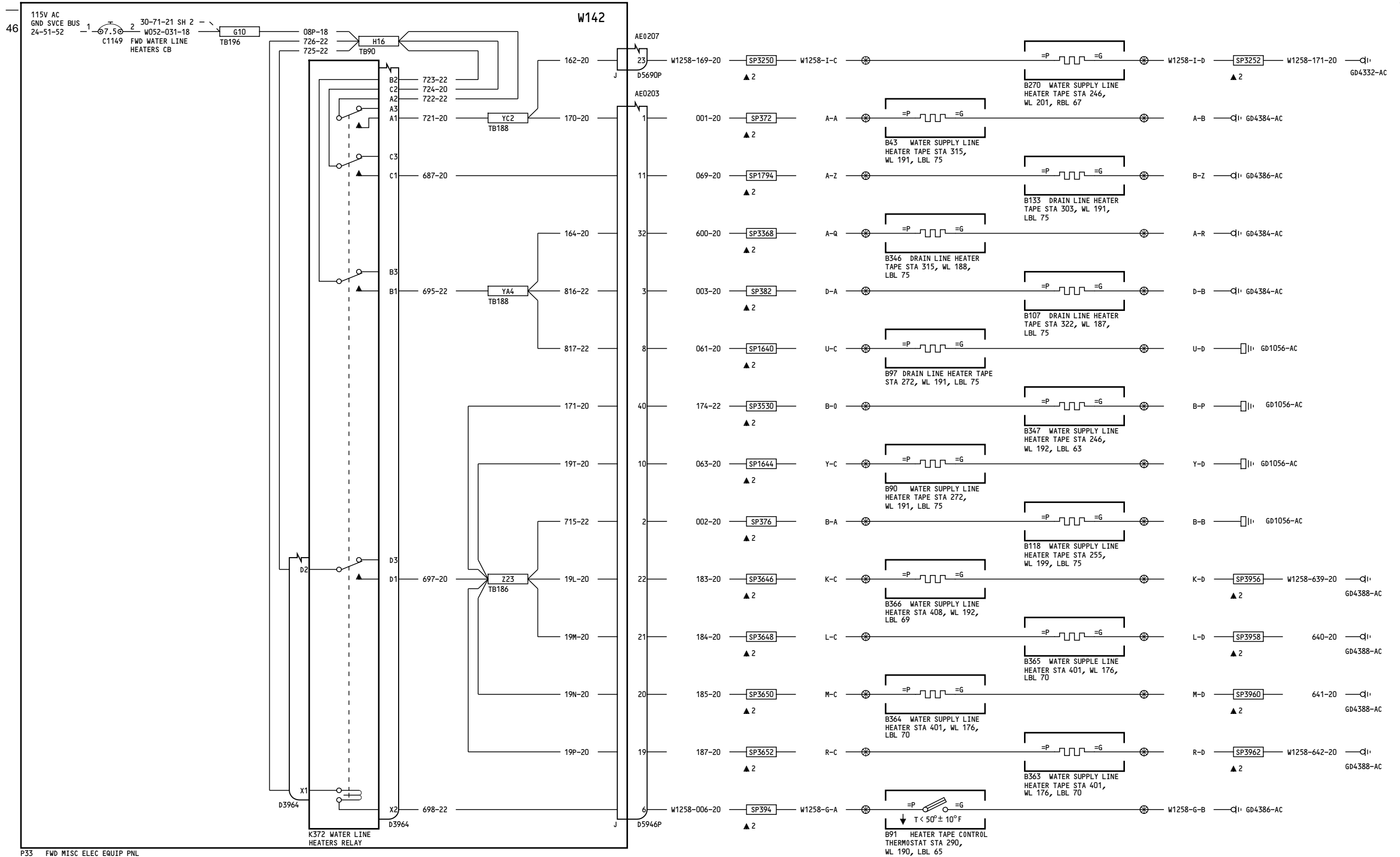
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS

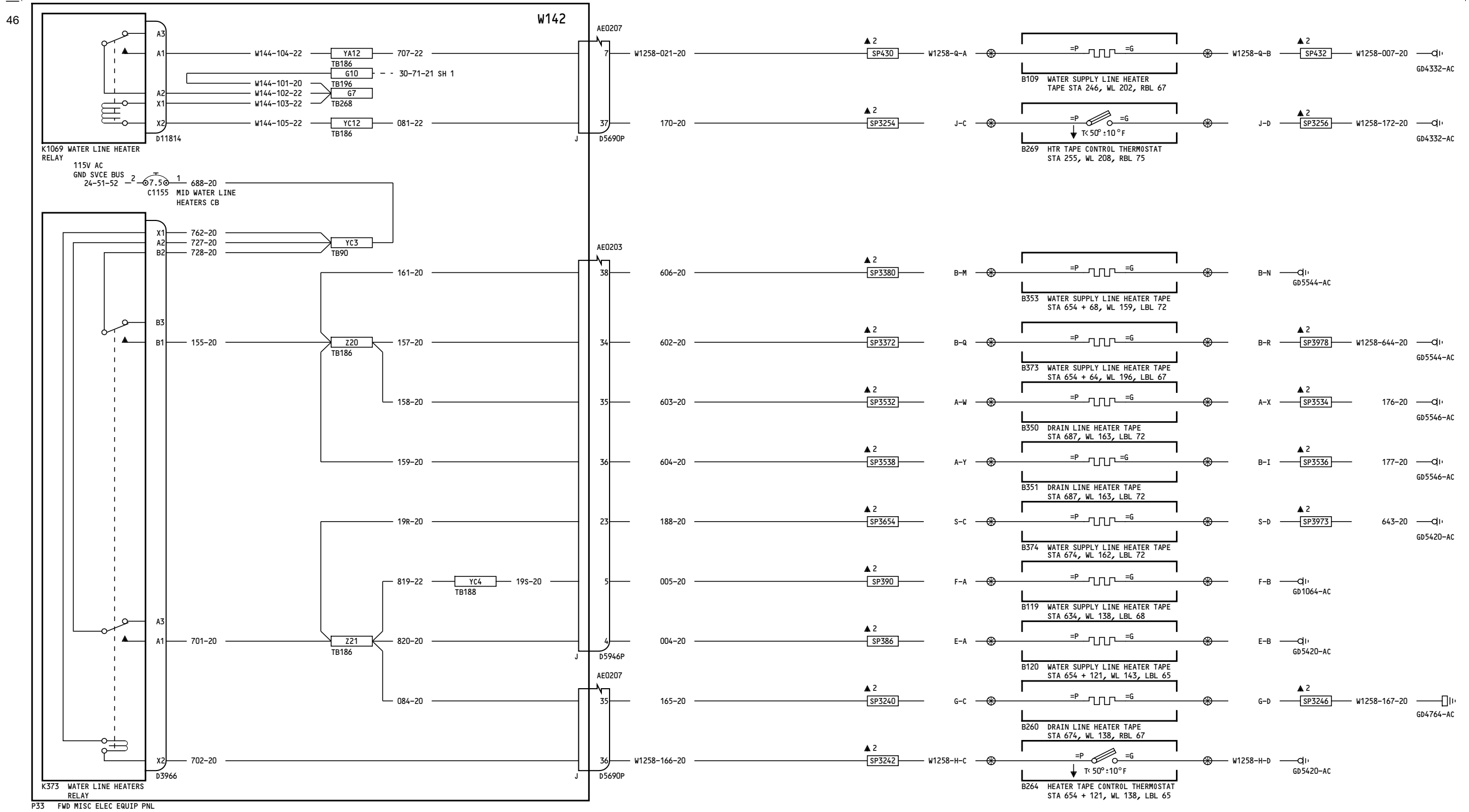
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS

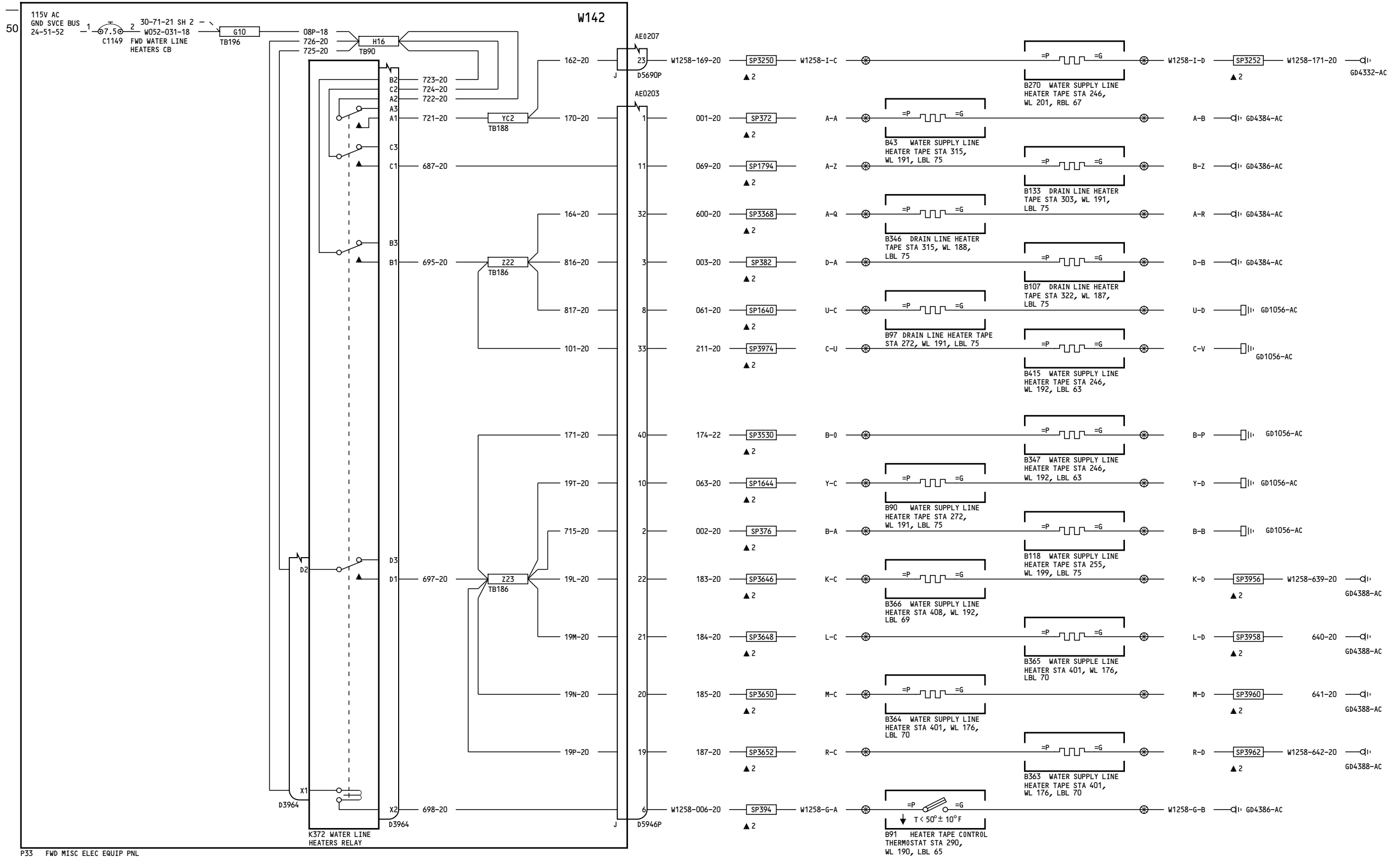
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS

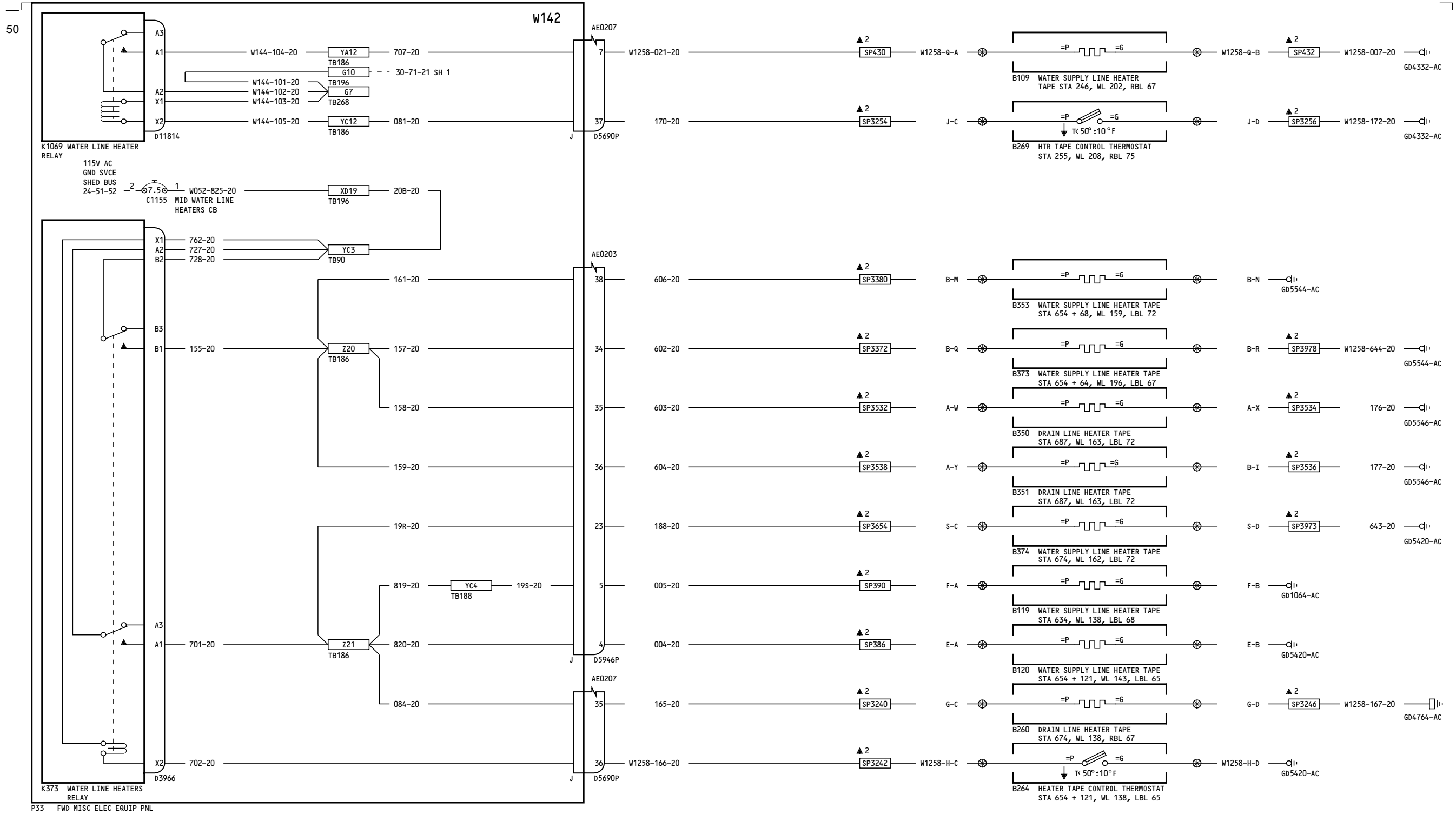
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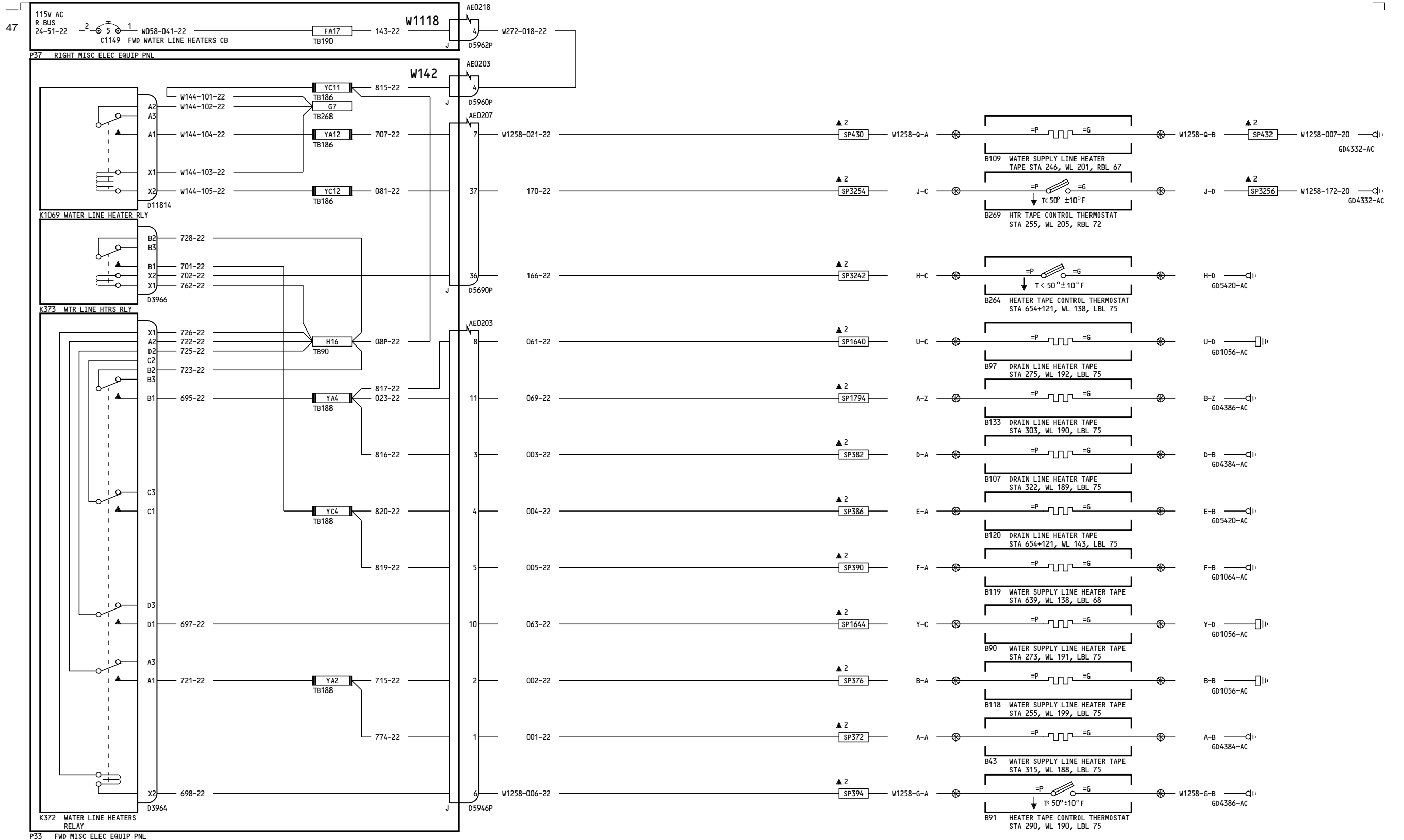
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS

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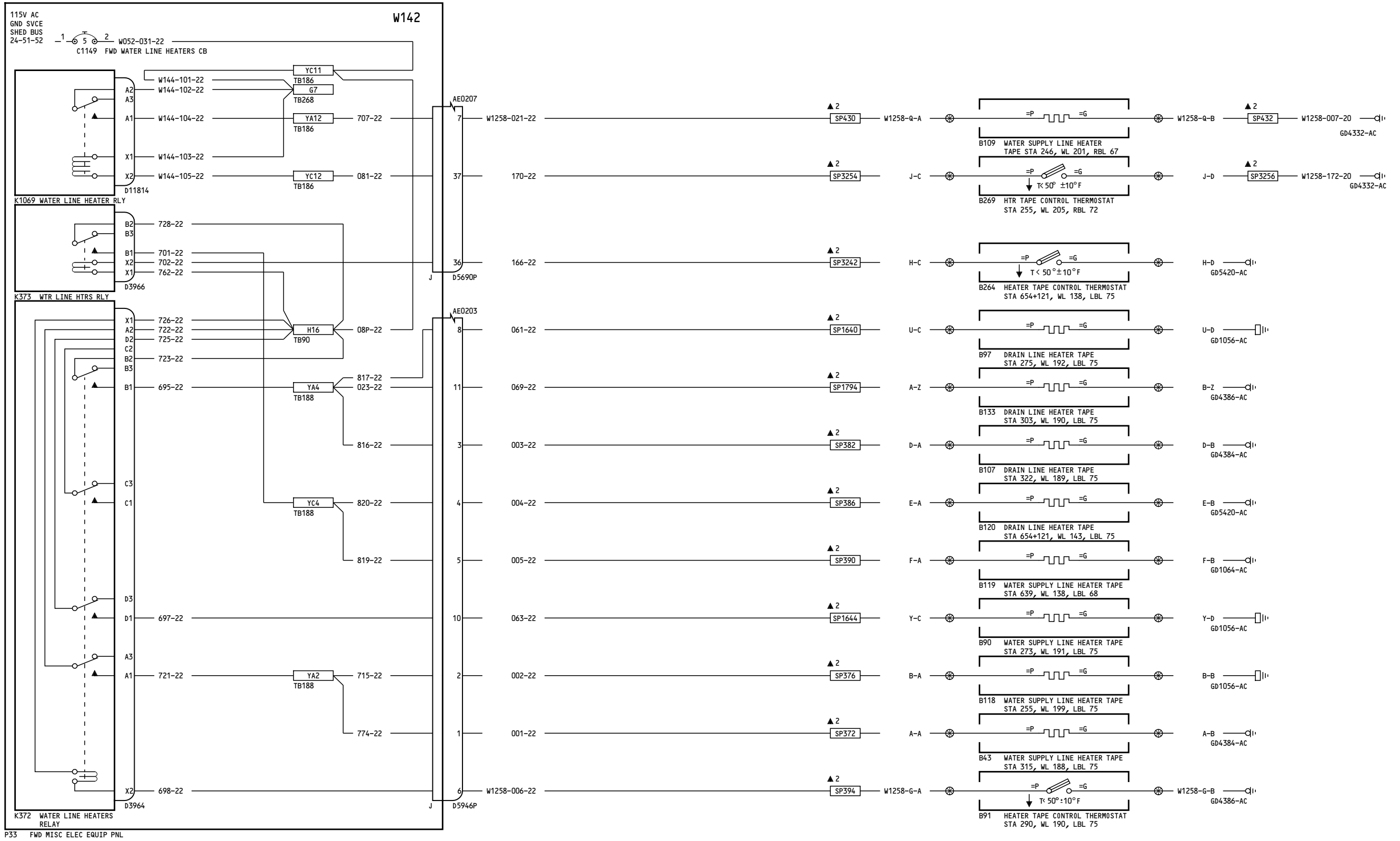
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS

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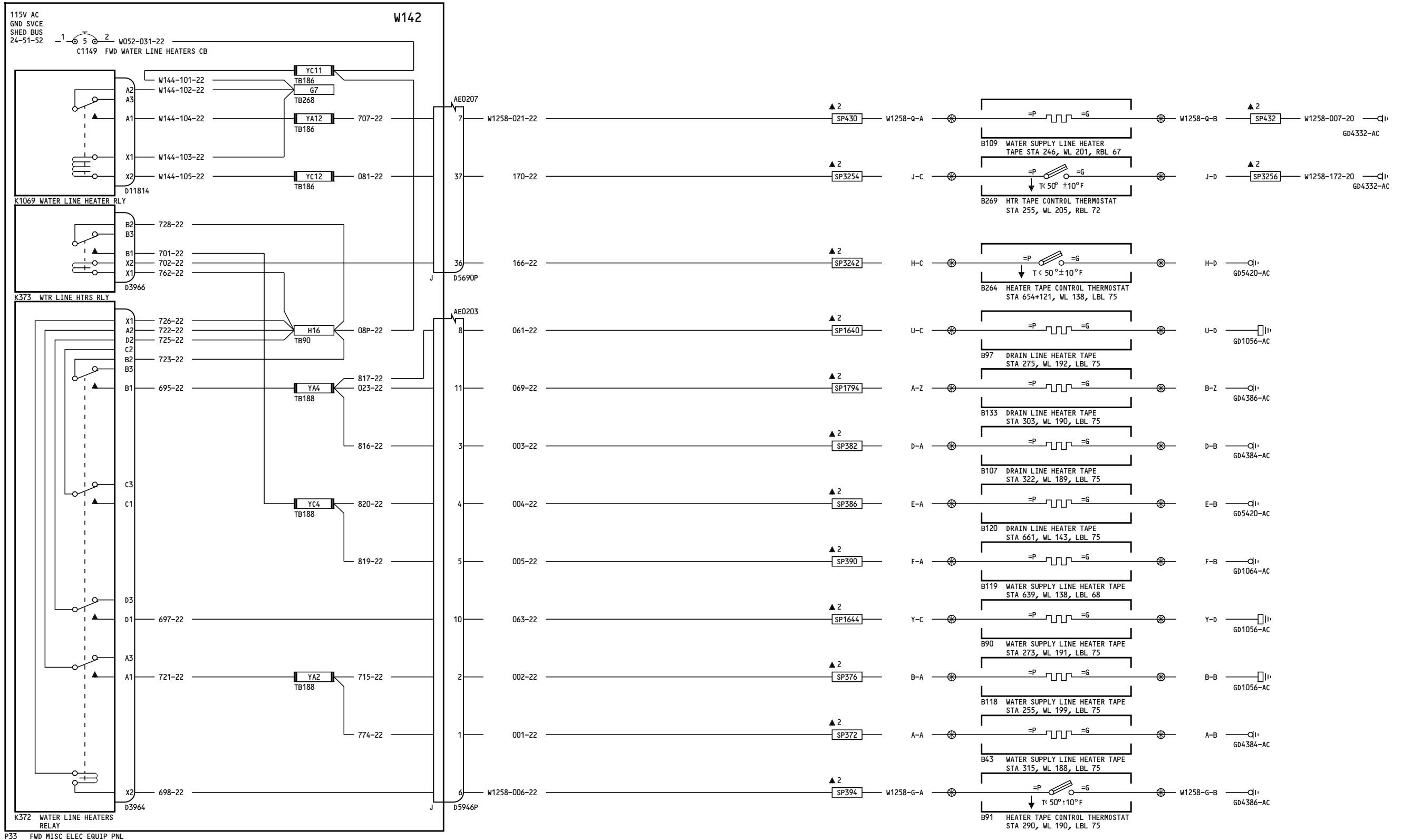
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS

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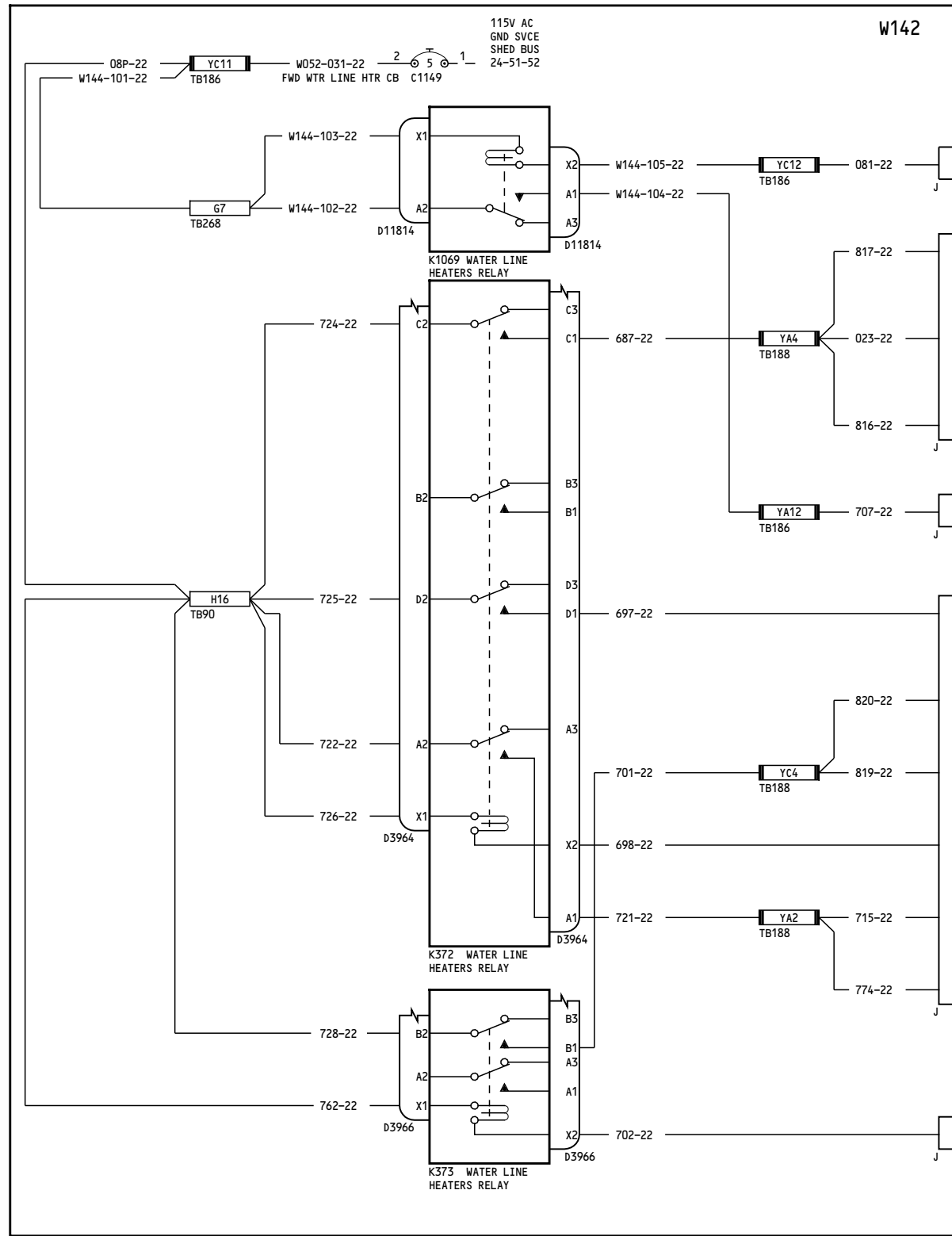
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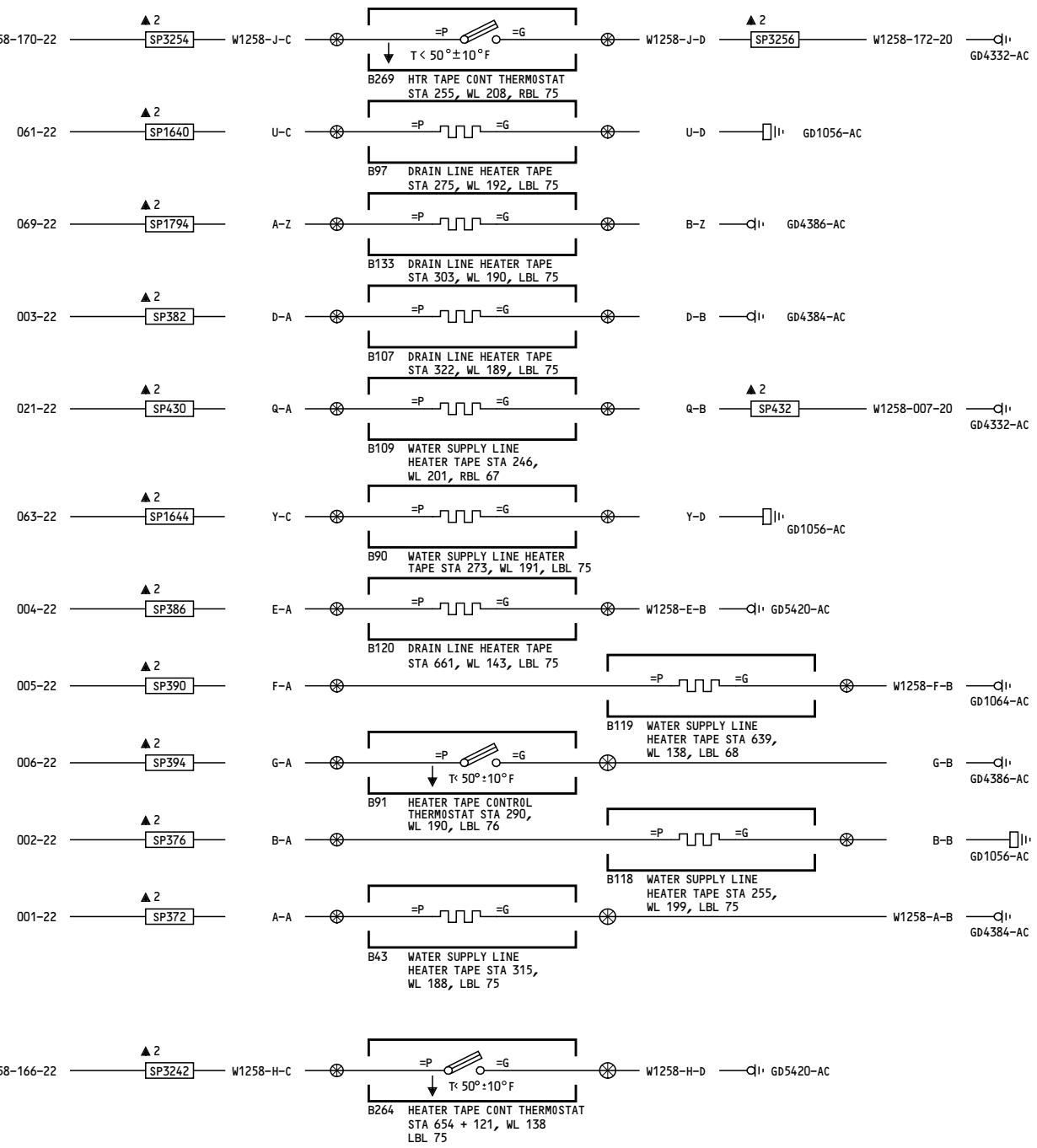
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FORWARD WATER SUPPLY LINE & DRAIN LINE HEATERS

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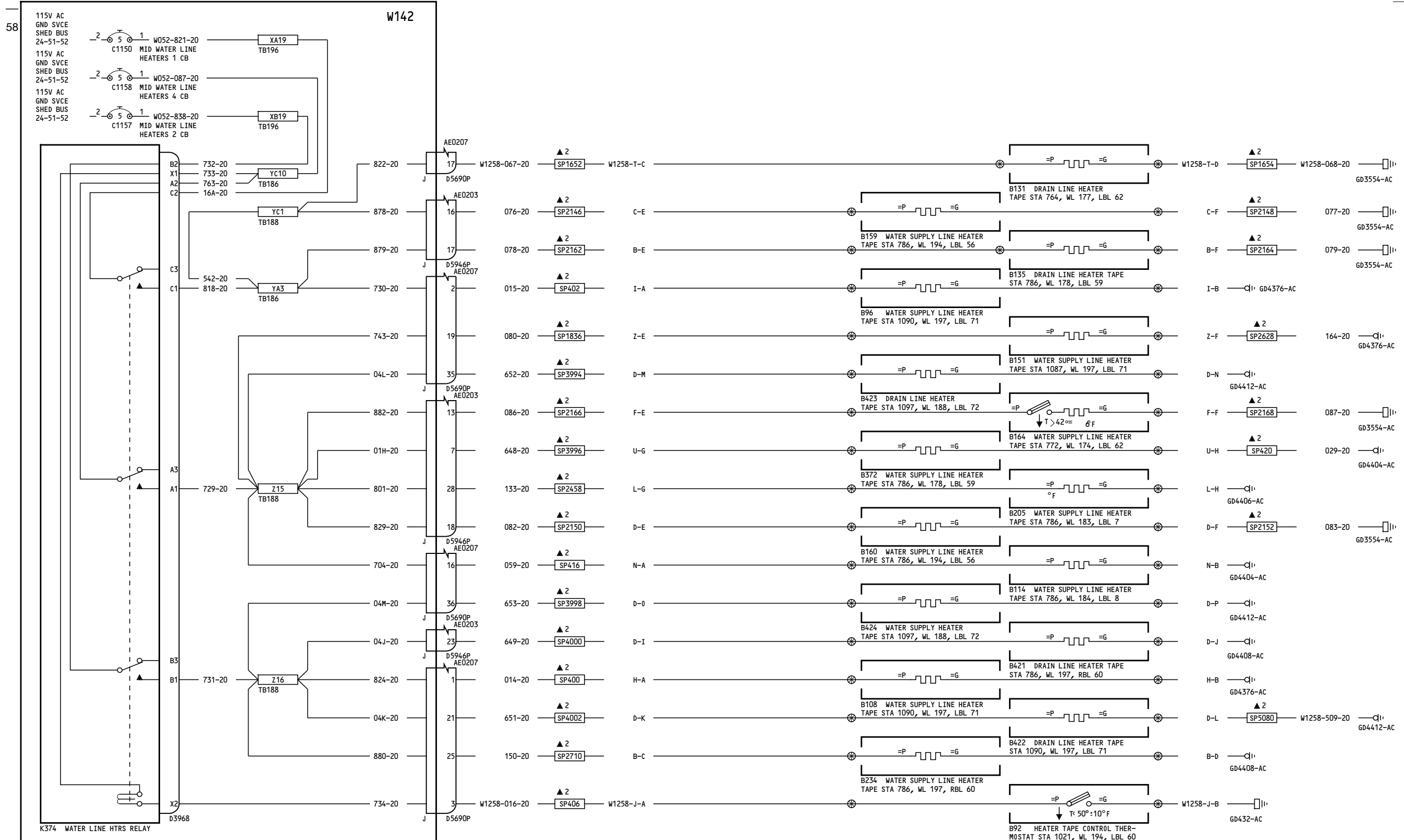
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P33 FORWARD MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL

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MID WATER SUPPLY LINE & DRAIN LINE HEATERS

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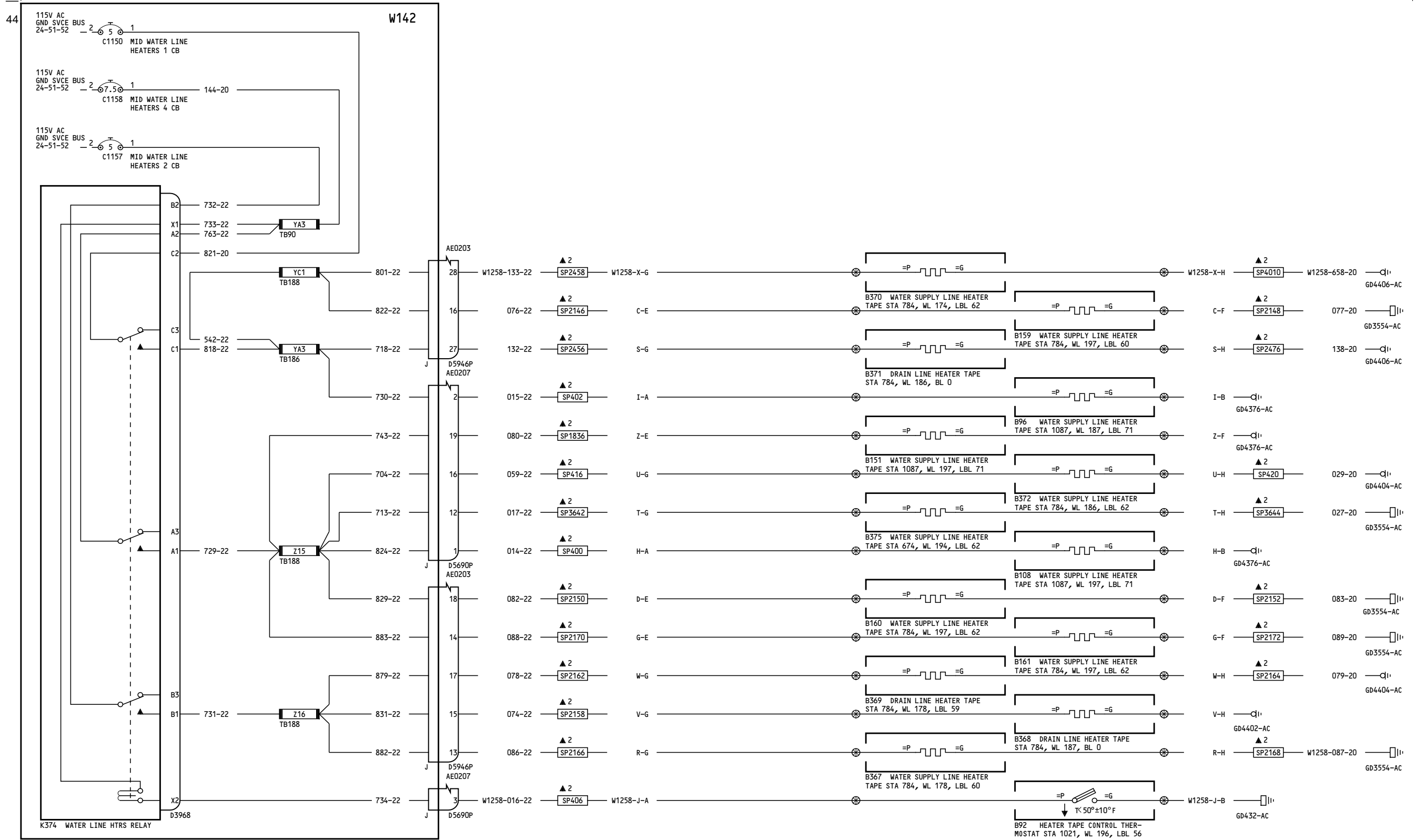
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MID WATER SUPPLY LINE & DRAIN LINE HEATERS

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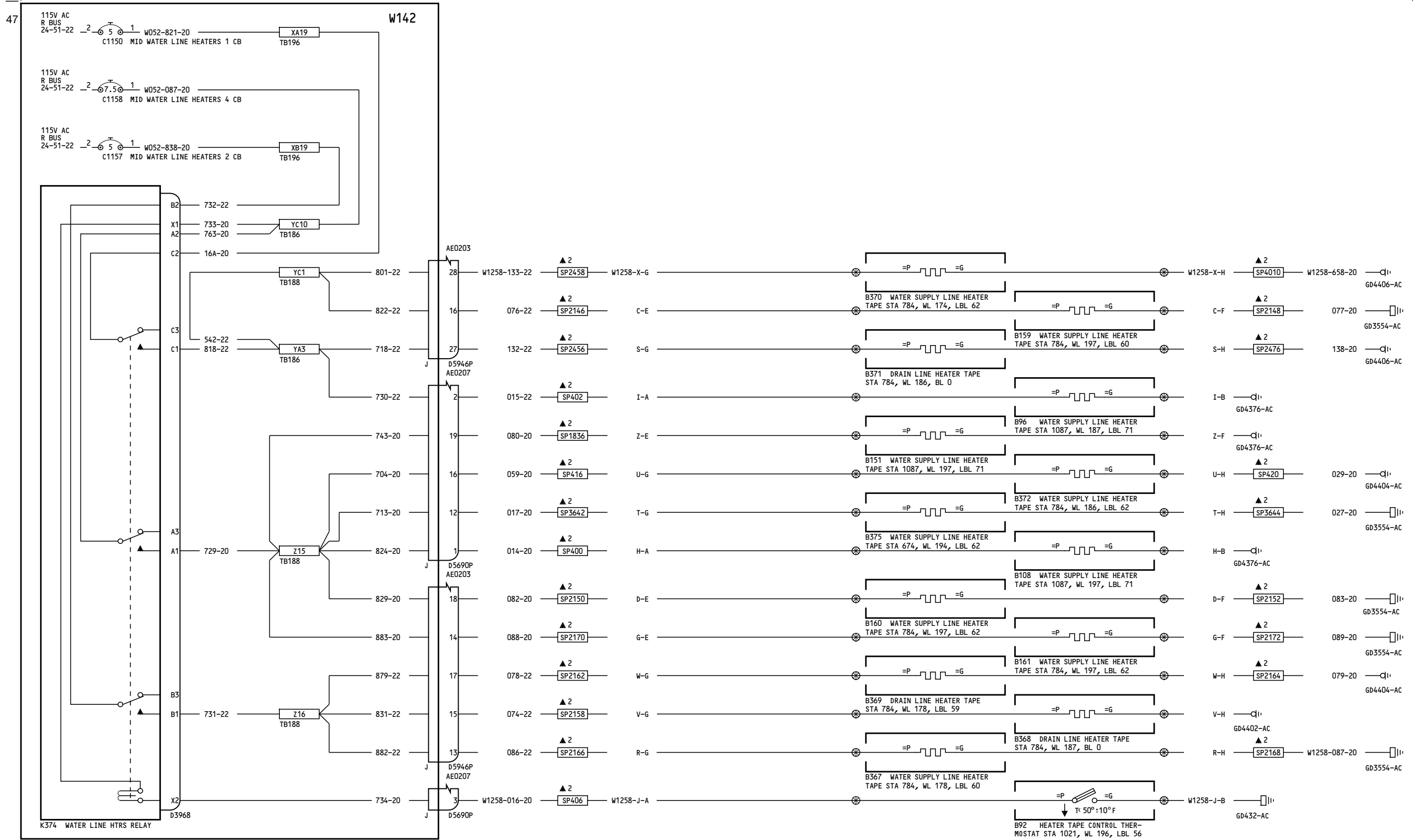
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P33 FORWARD MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL

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MID WATER SUPPLY LINE & DRAIN LINE HEATERS

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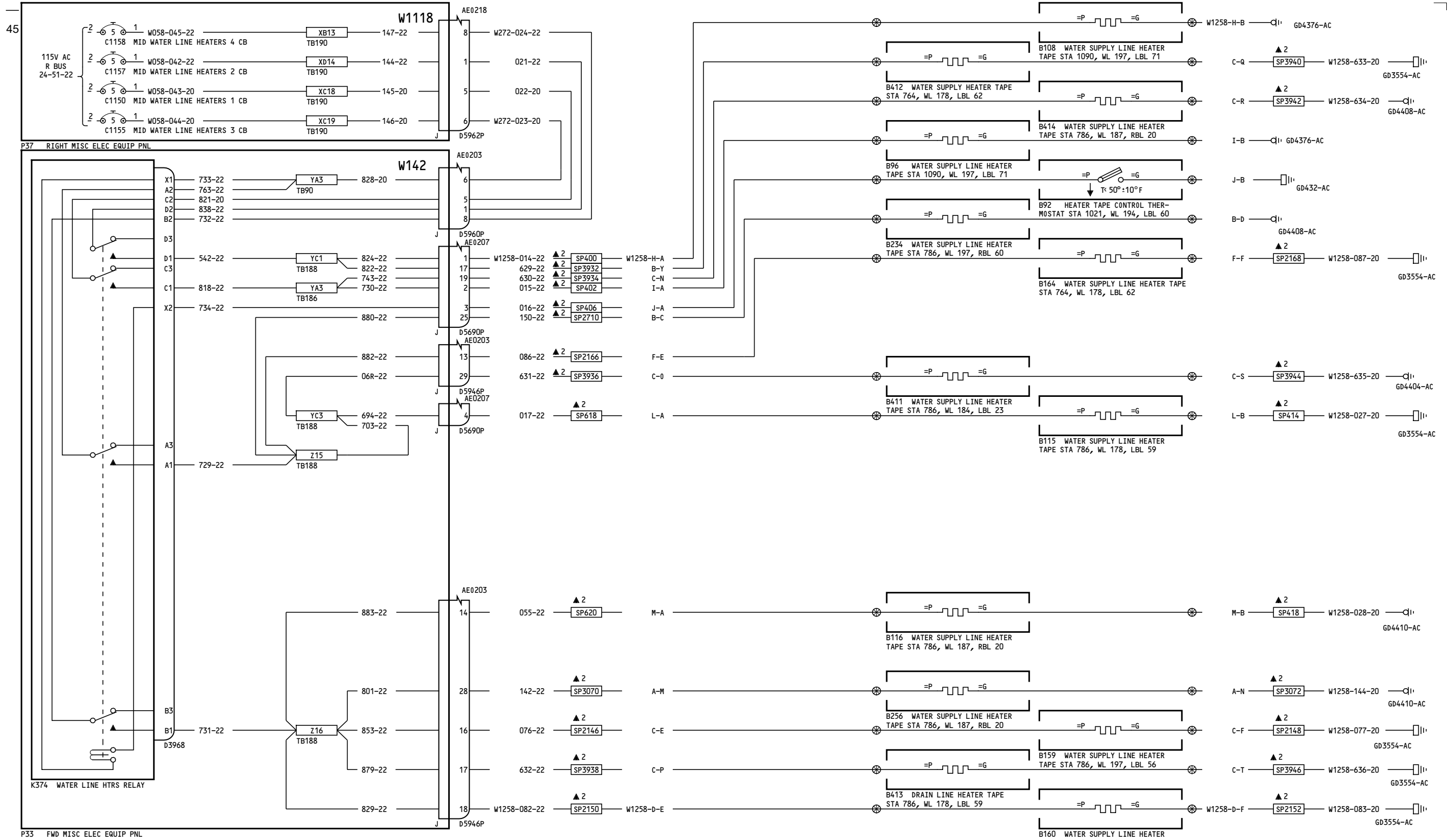
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MID WATER SUPPLY LINE & DRAIN LINE HEATERS

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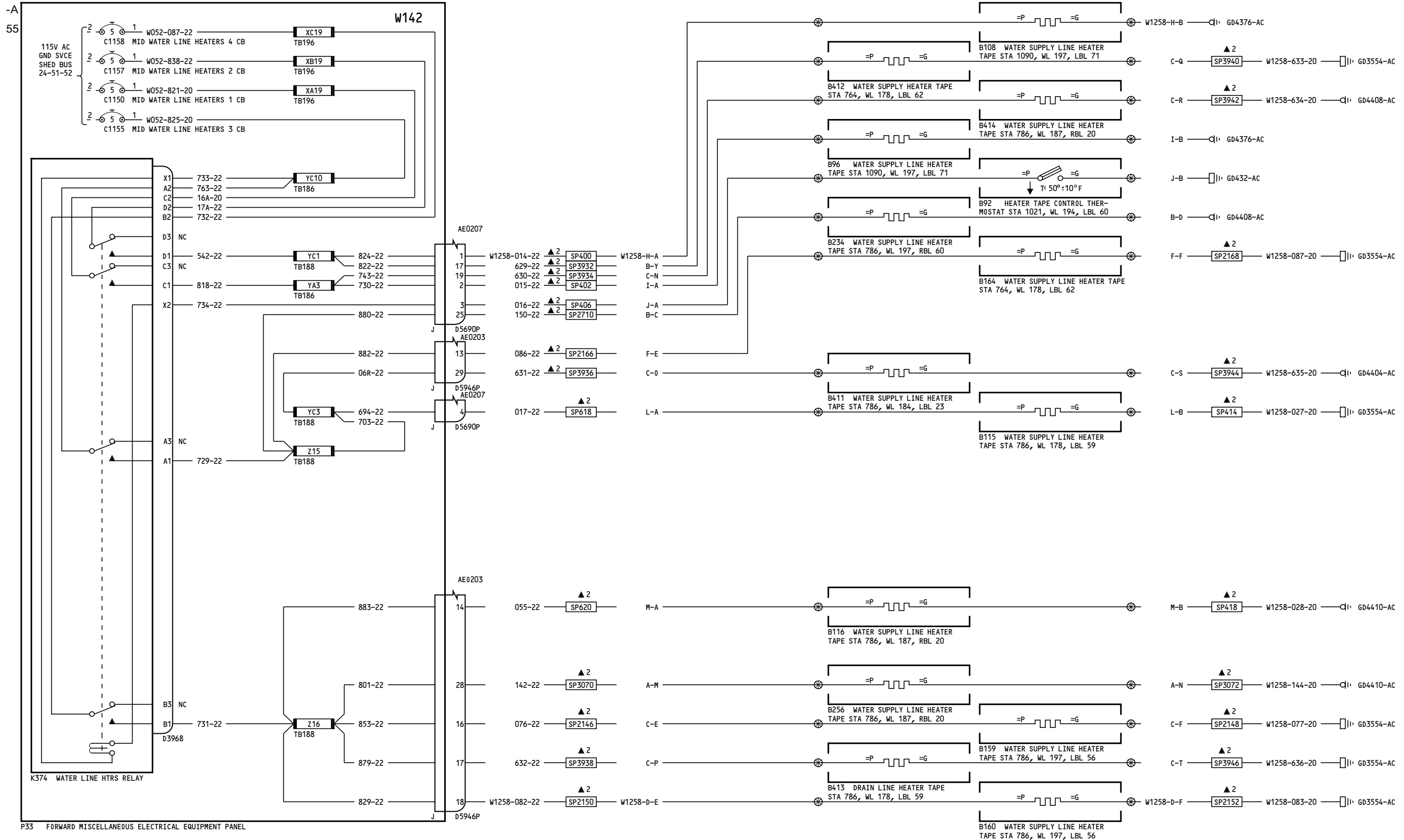
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P33 FORWARD MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL

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MID WATER SUPPLY LINE & DRAIN LINE HEATERS

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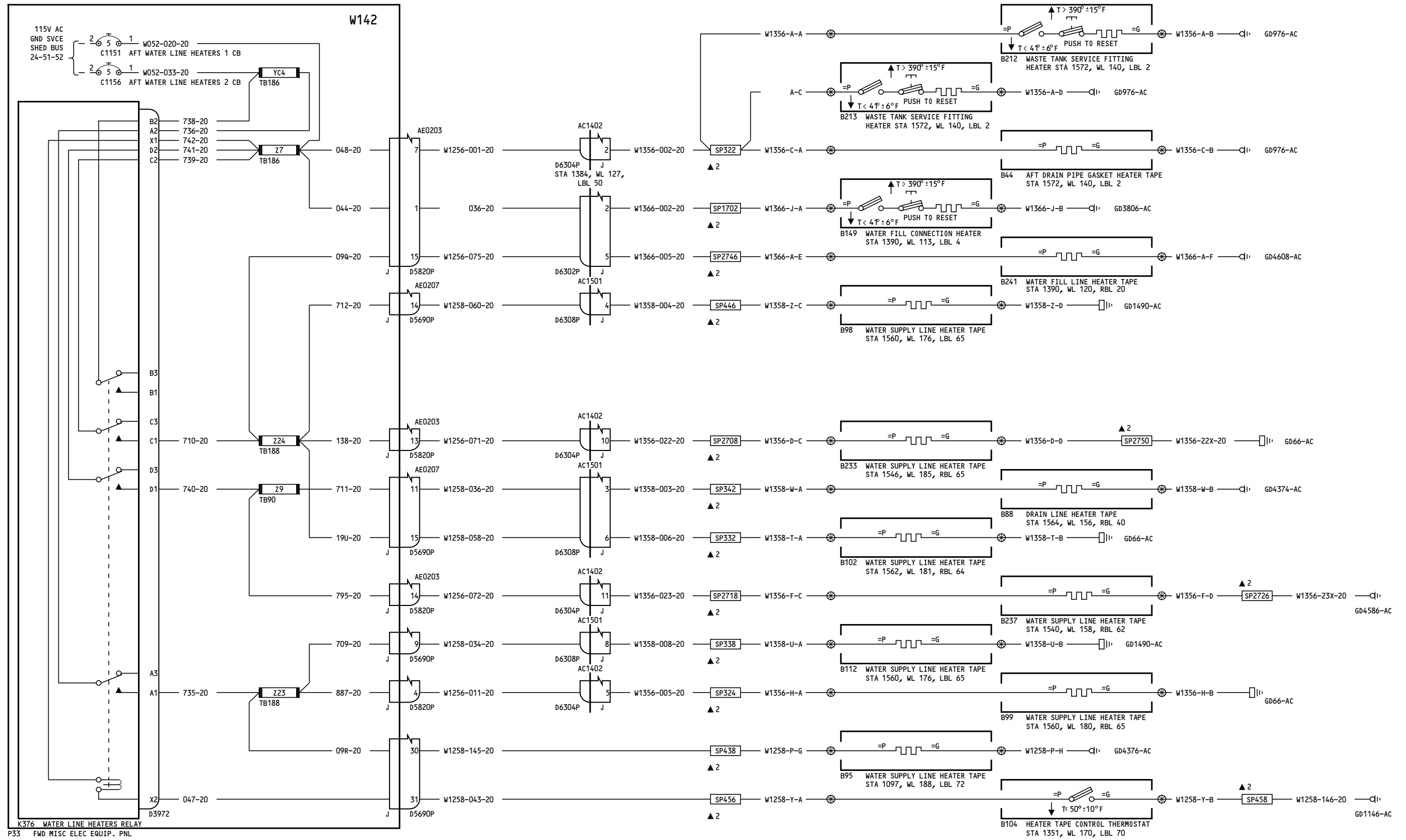
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**AFT WATER SUPPLY LINE &
DRAIN LINE HEATERS**

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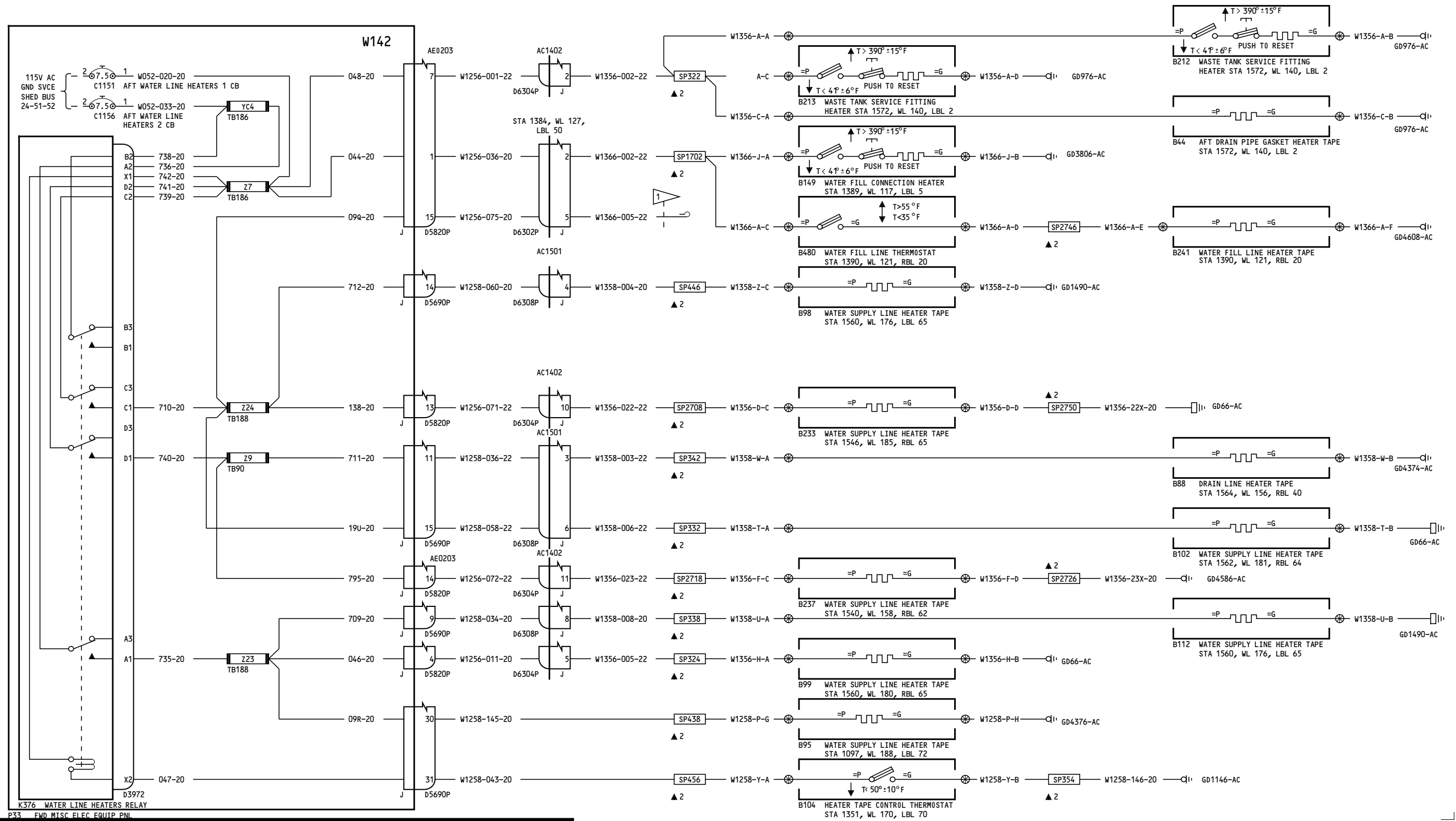
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AFT WATER SUPPLY LINE & DRAIN LINE HEATERS

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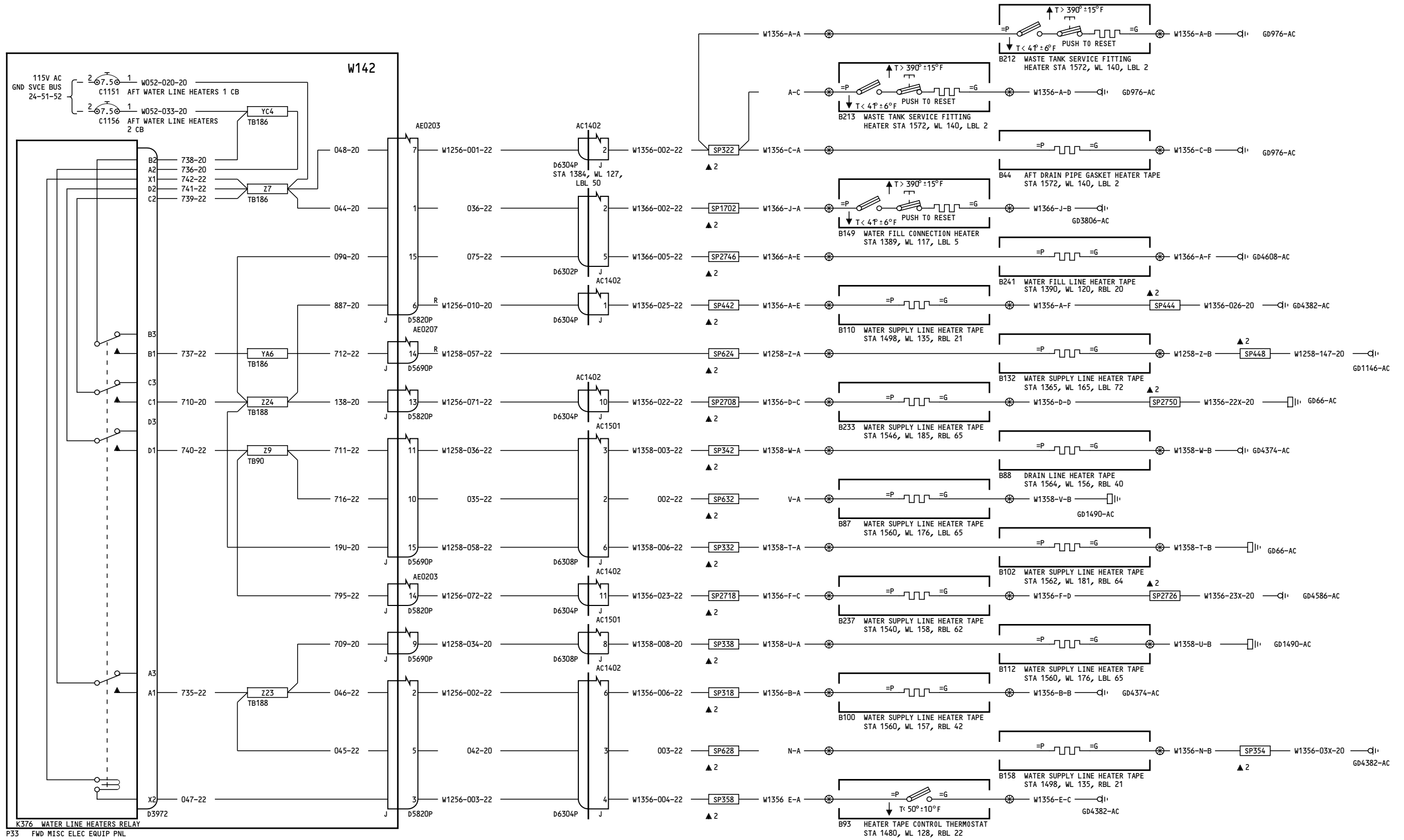
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AFT WATER SUPPLY LINE & DRAIN LINE HEATERS

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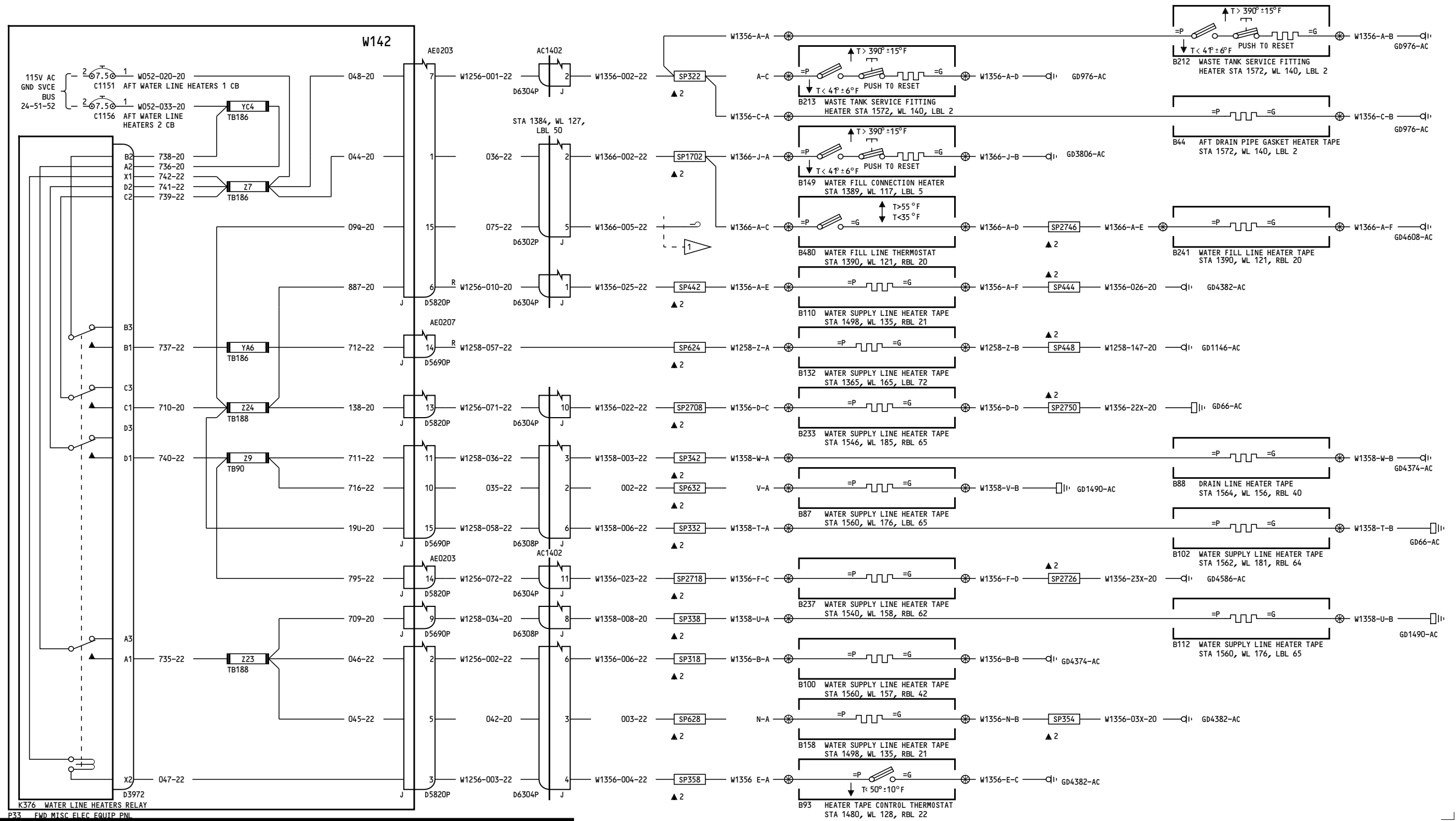
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AFT WATER SUPPLY LINE & DRAIN LINE HEATERS

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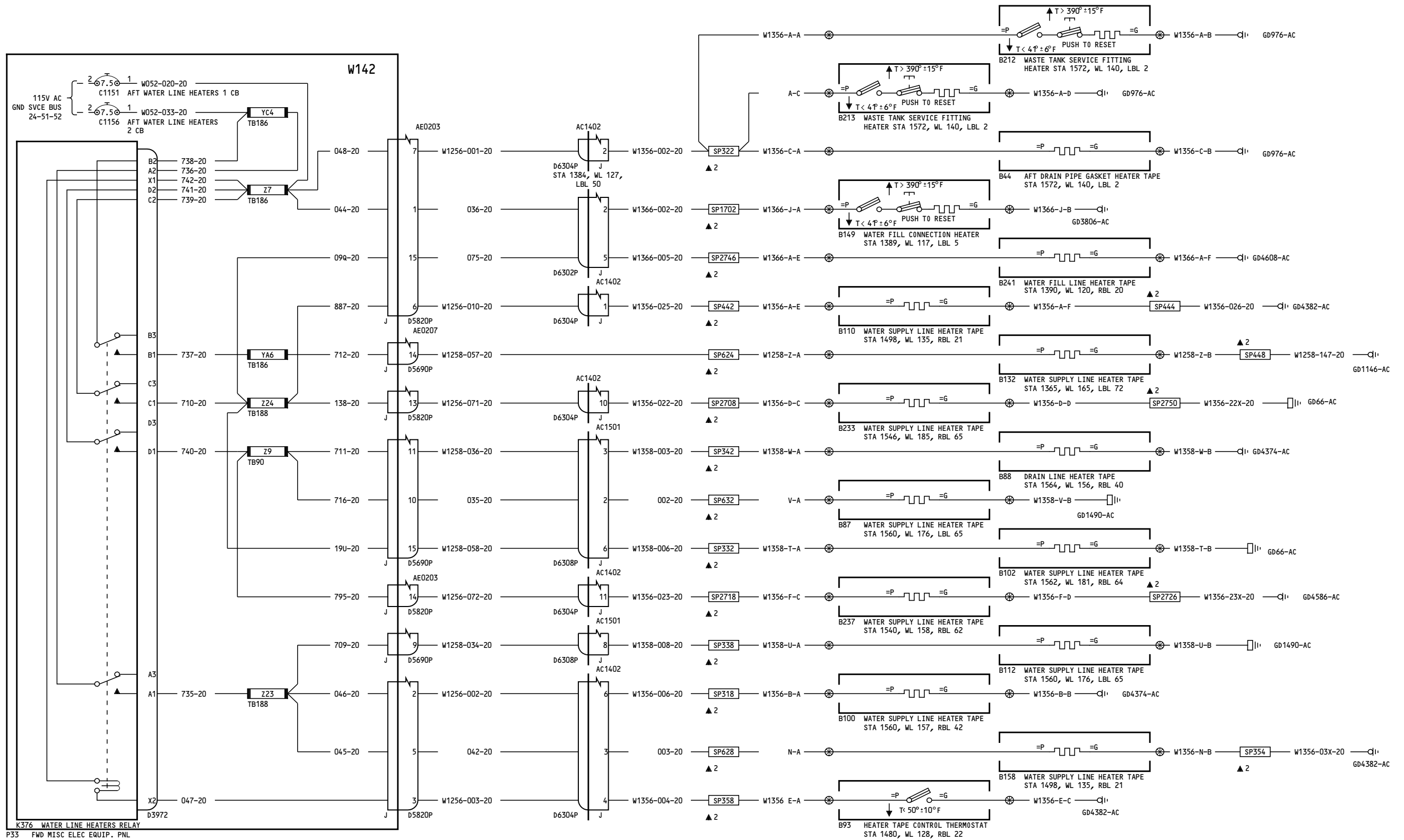
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1 CAP & STOW NEAR SP2746

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K376 WATER LINE HEATERS RELAY
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**AFT WATER SUPPLY LINE &
DRAIN LINE HEATERS**

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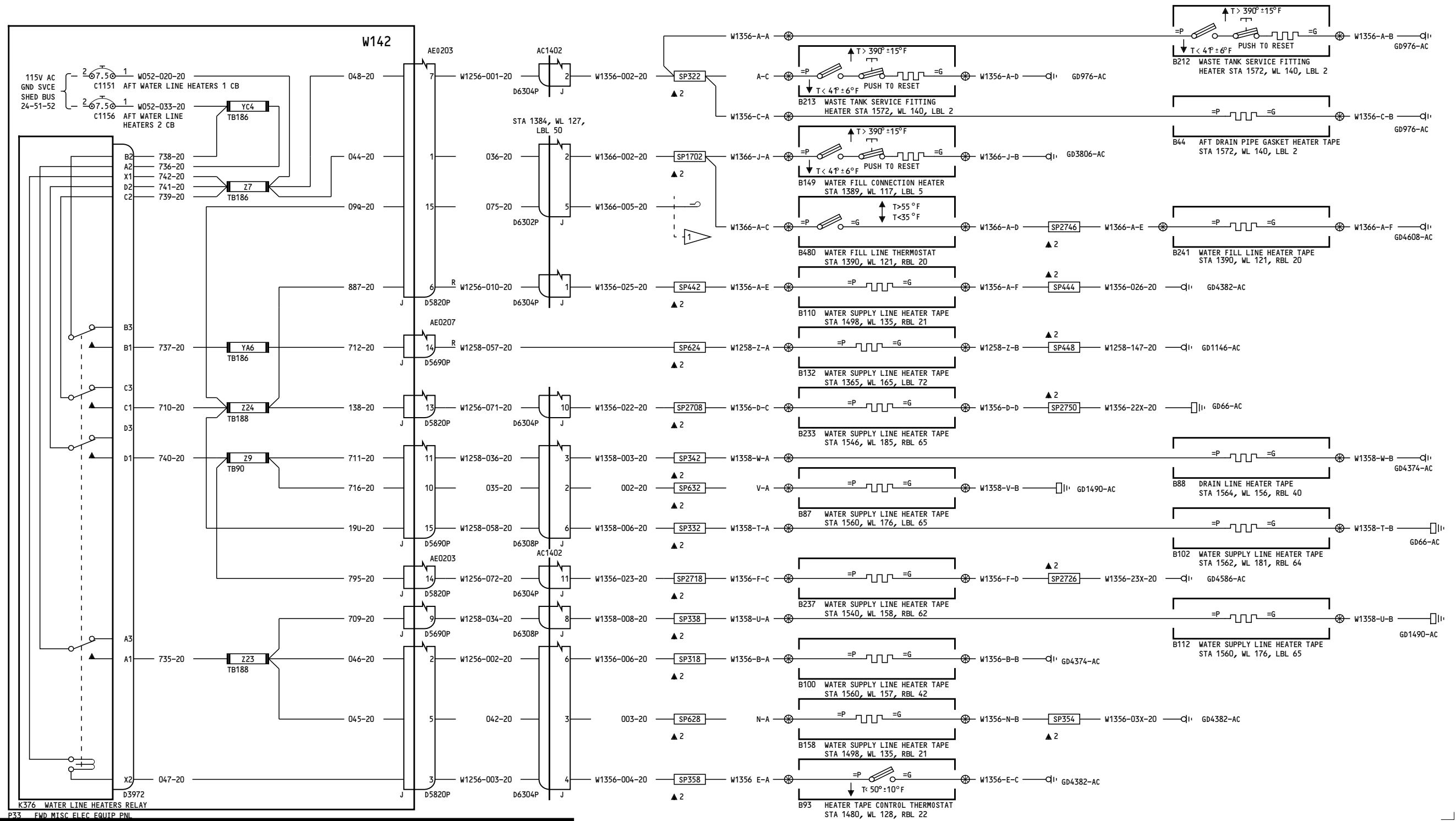
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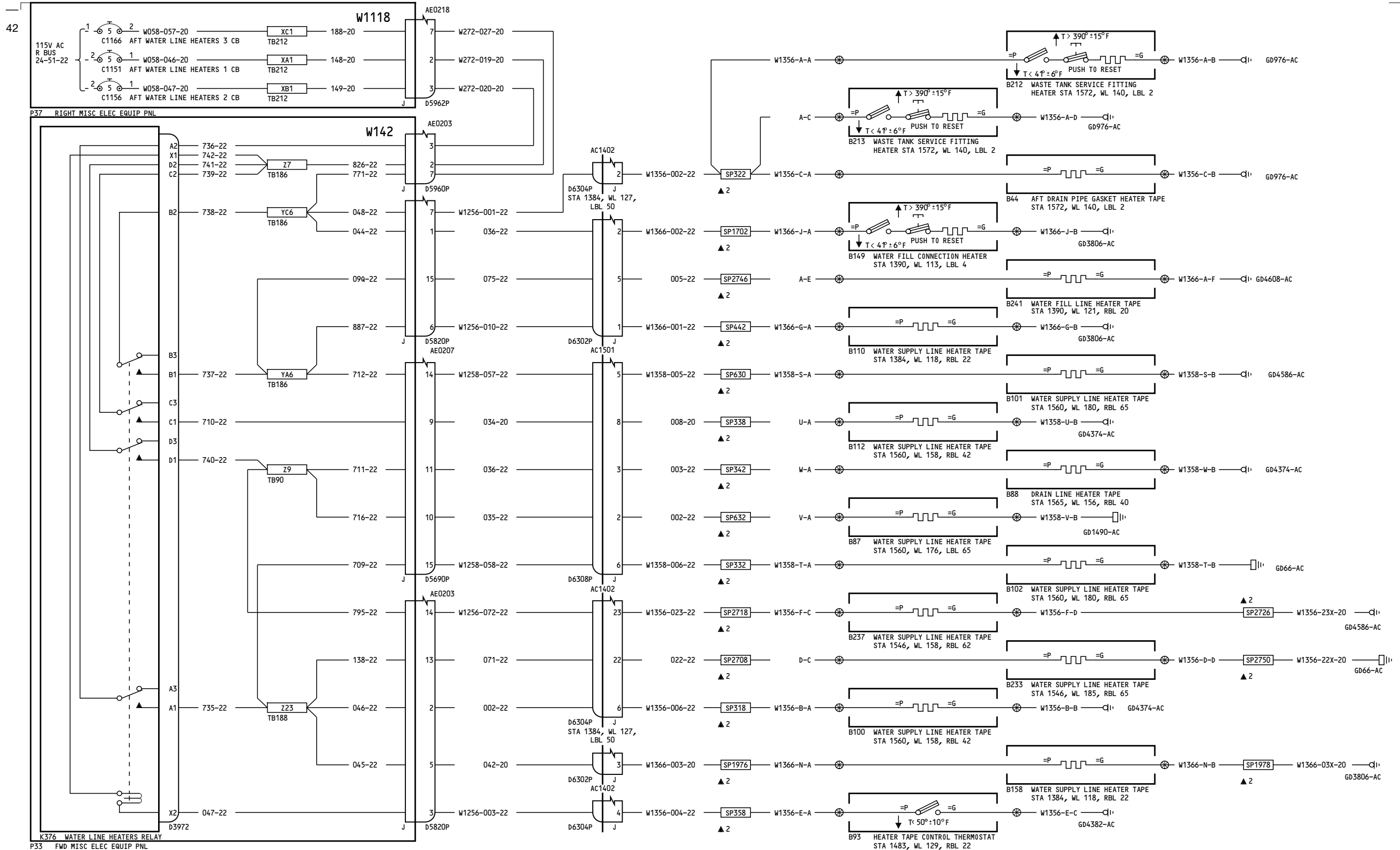
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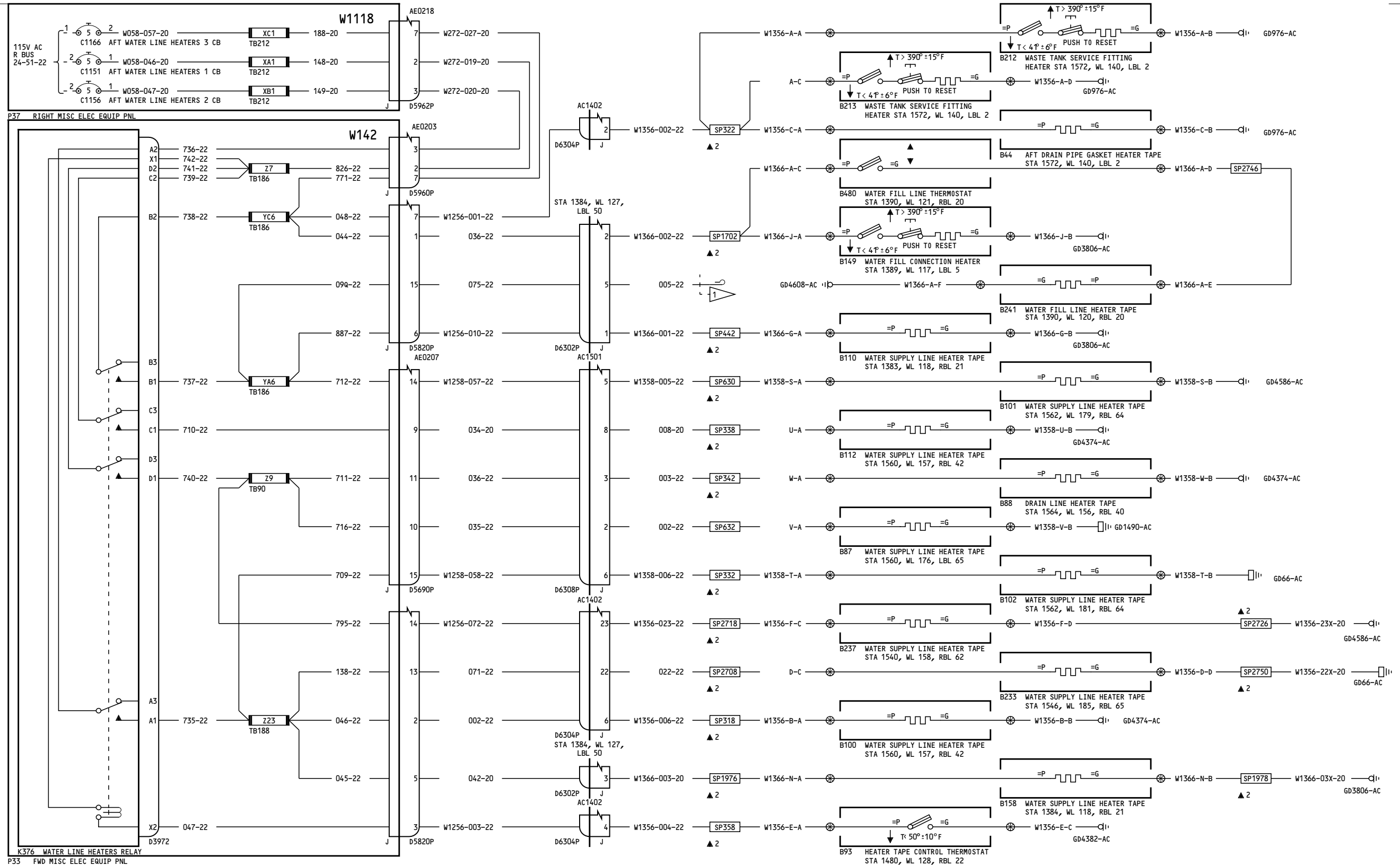
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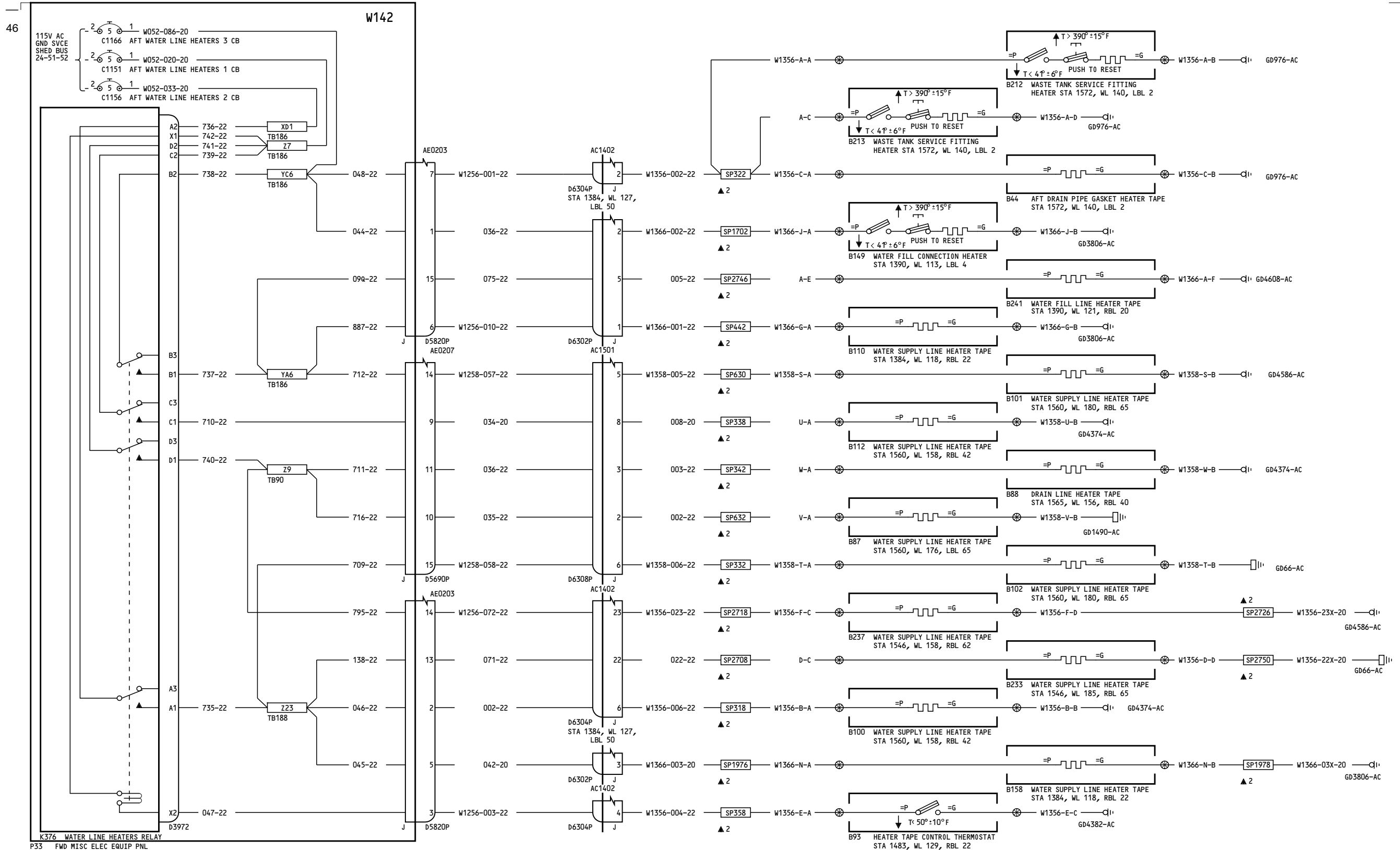
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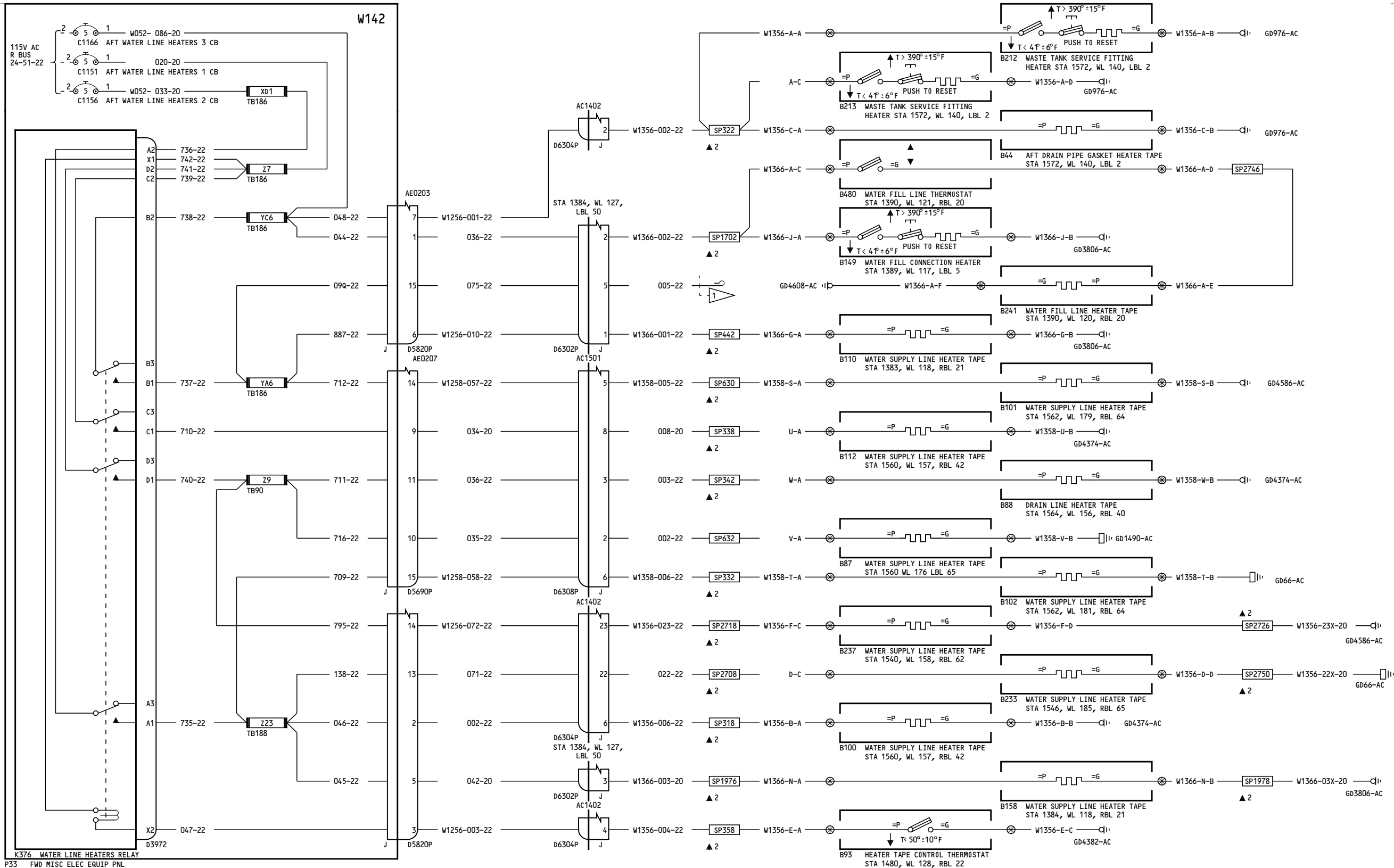
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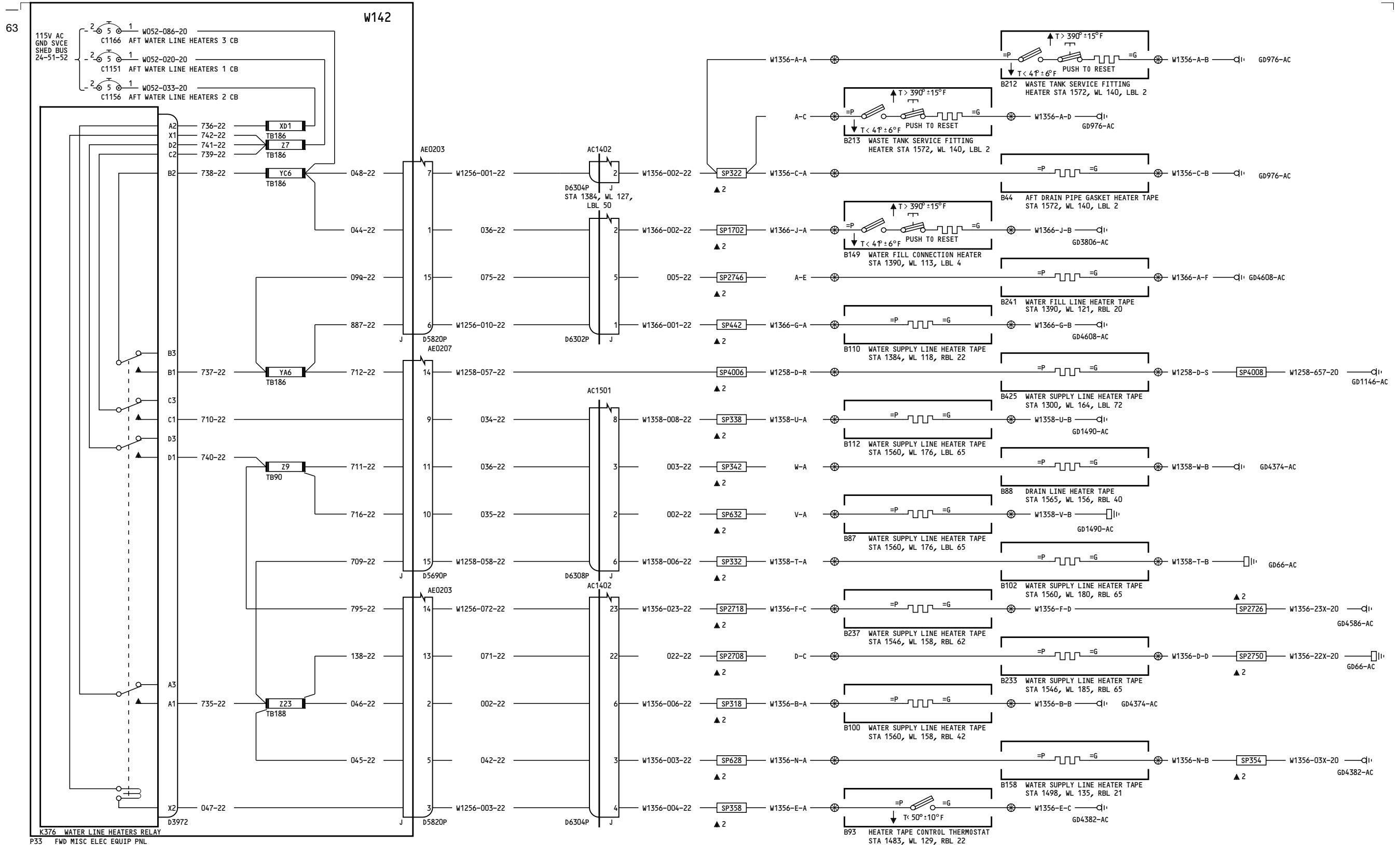
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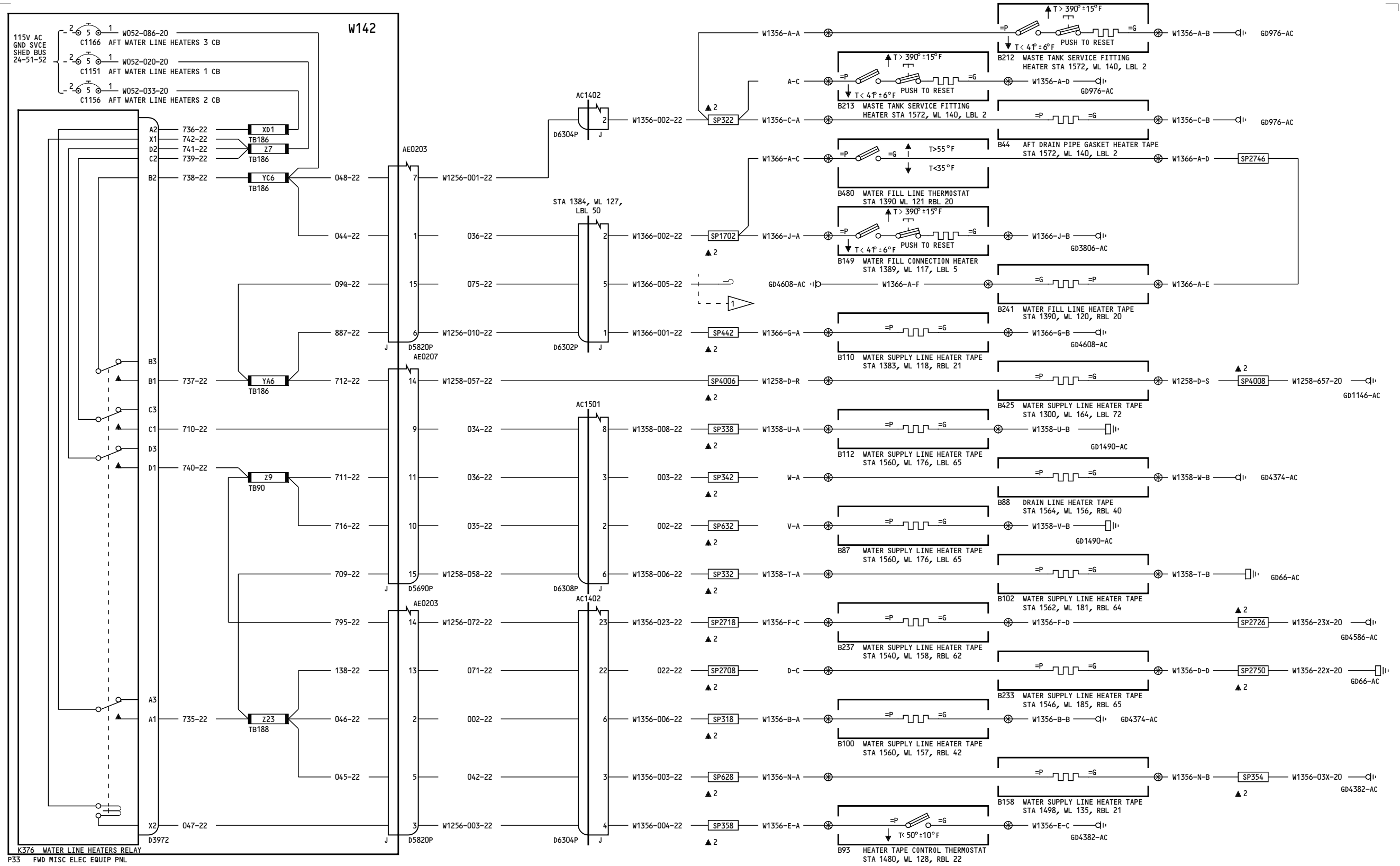
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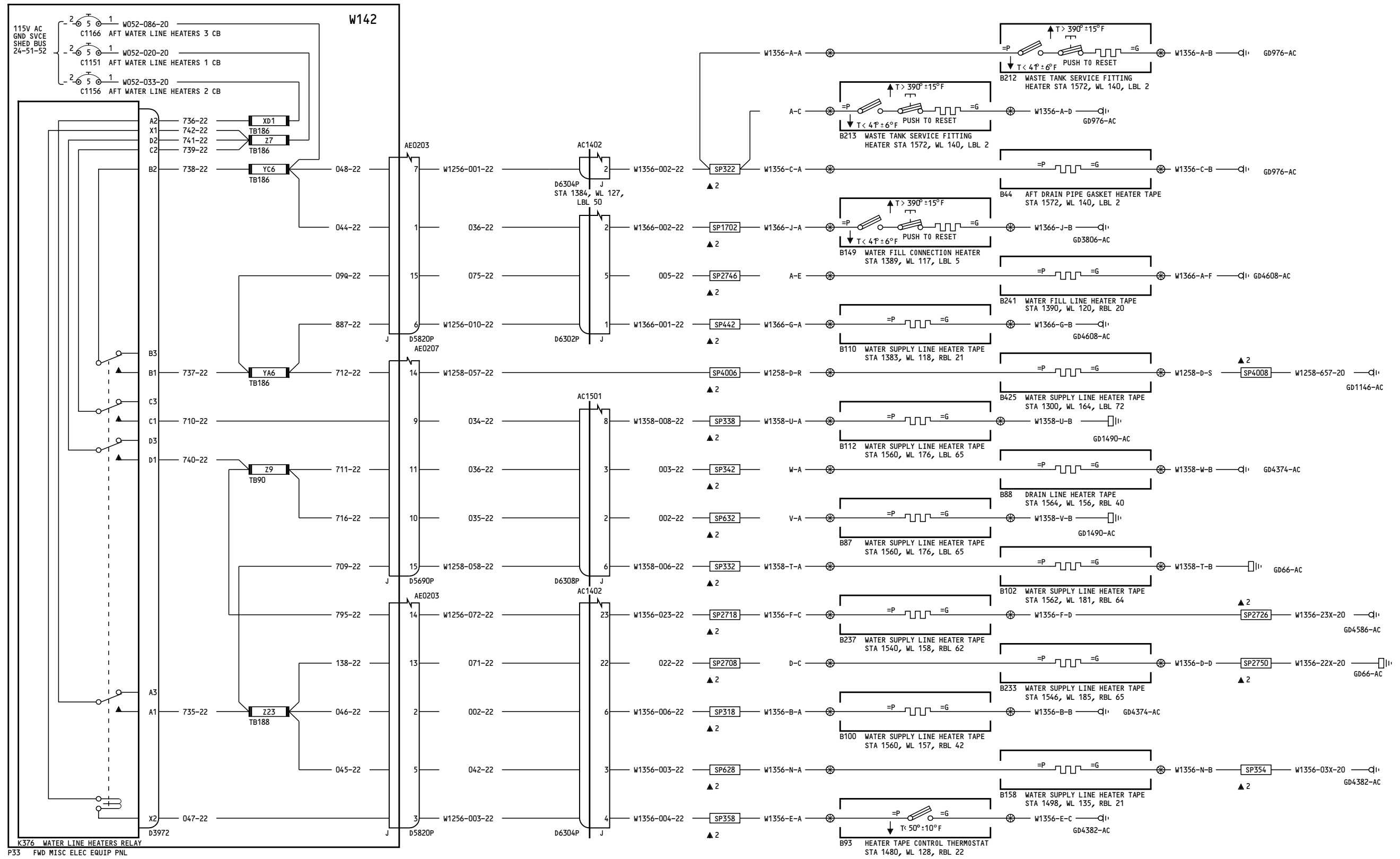
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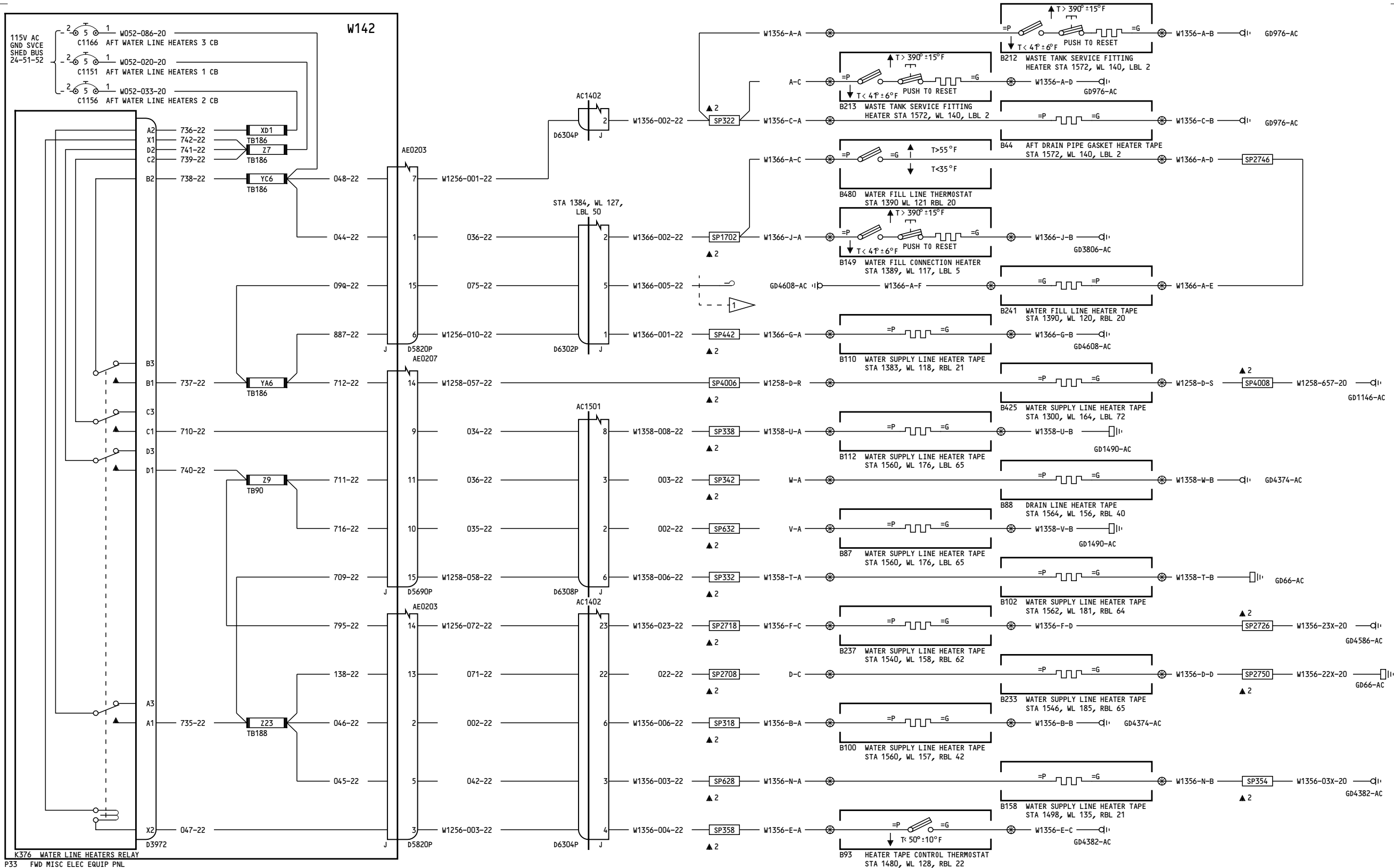
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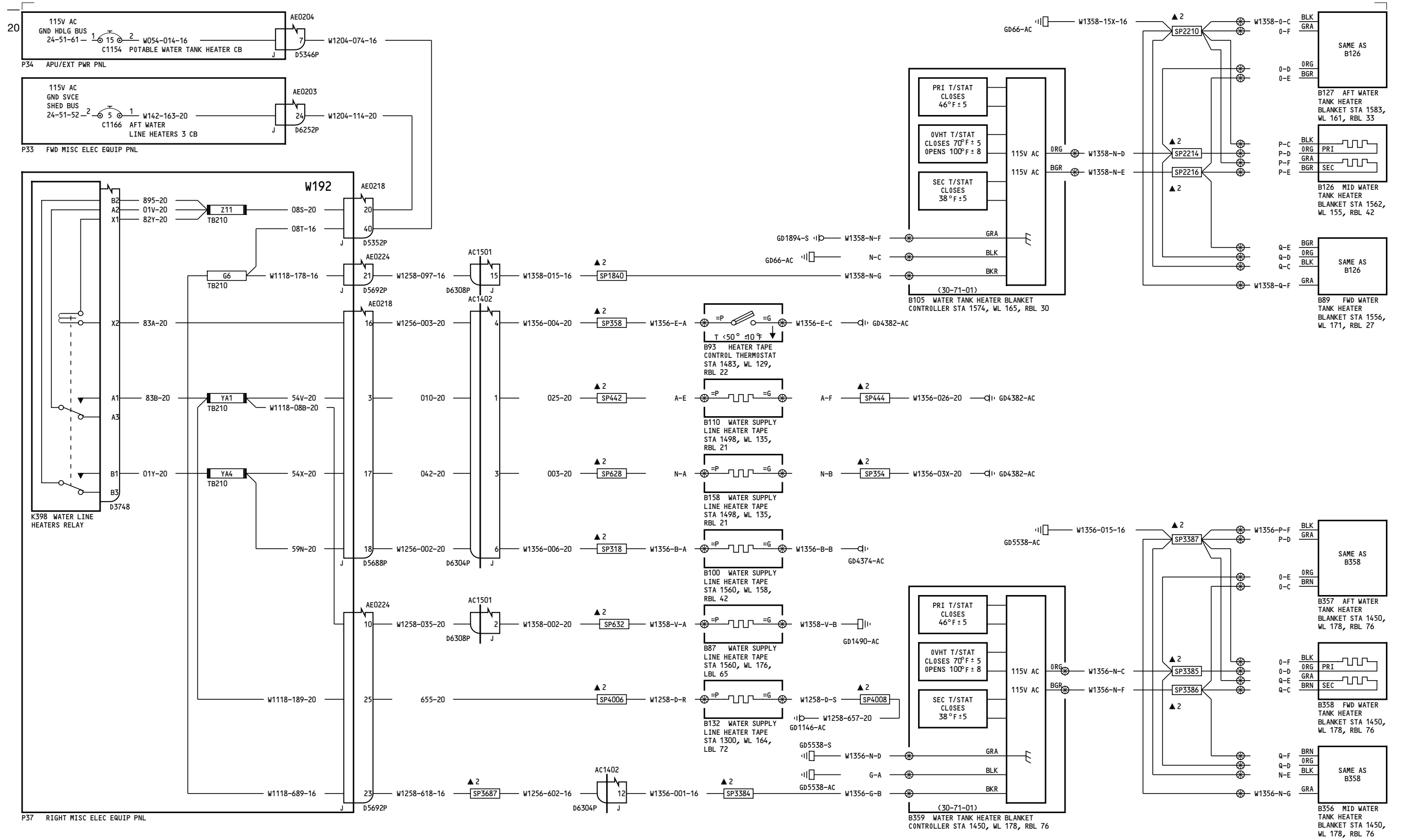
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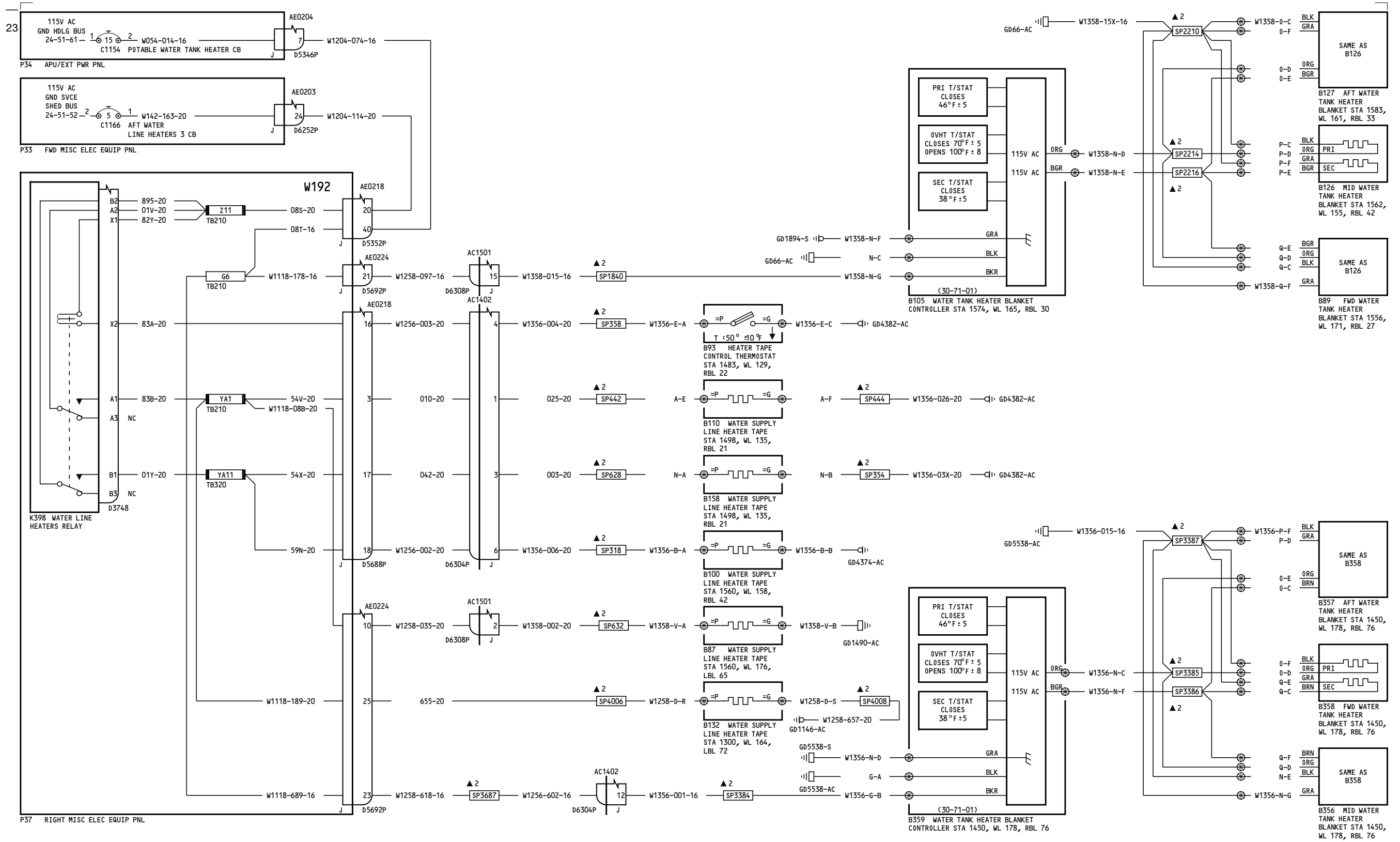
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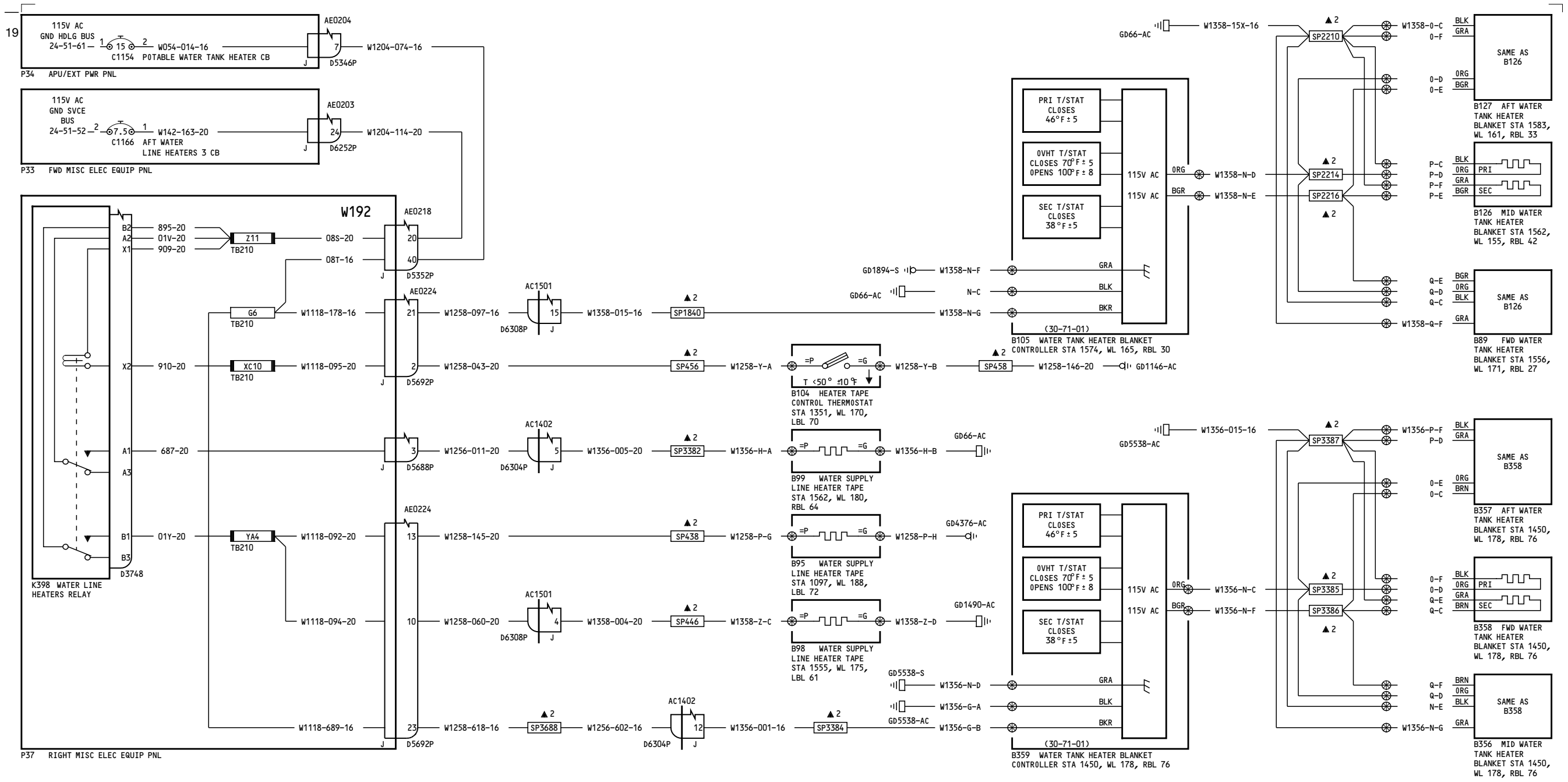
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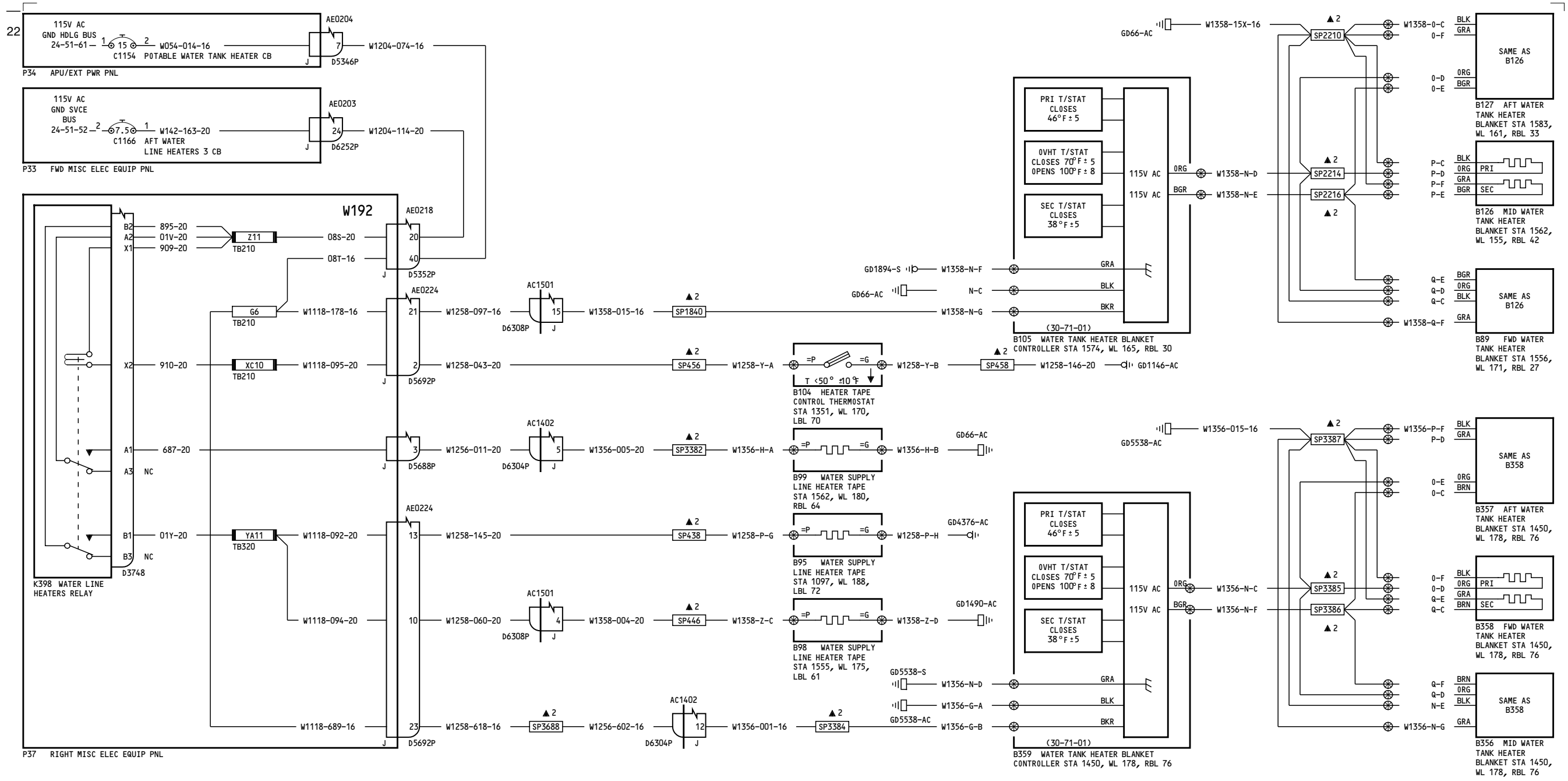
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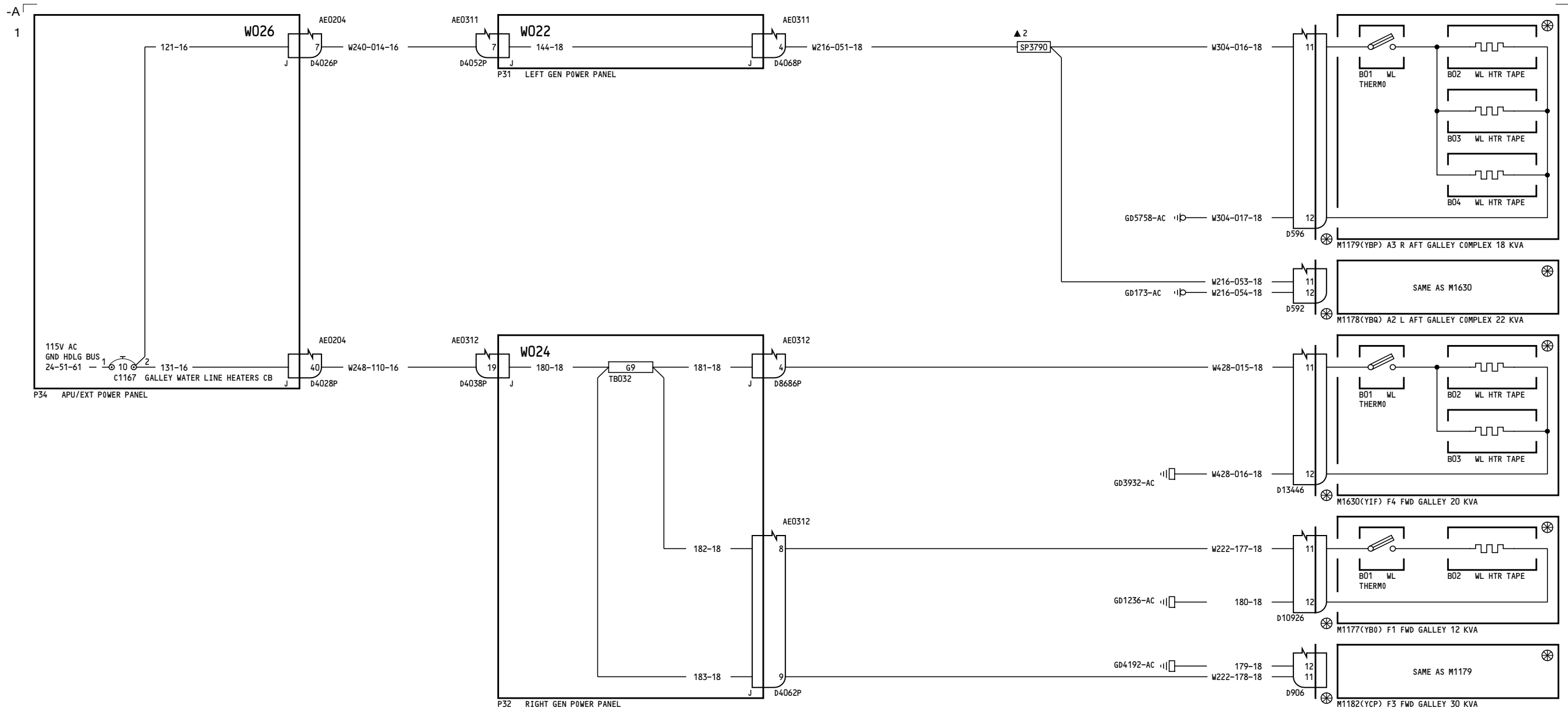
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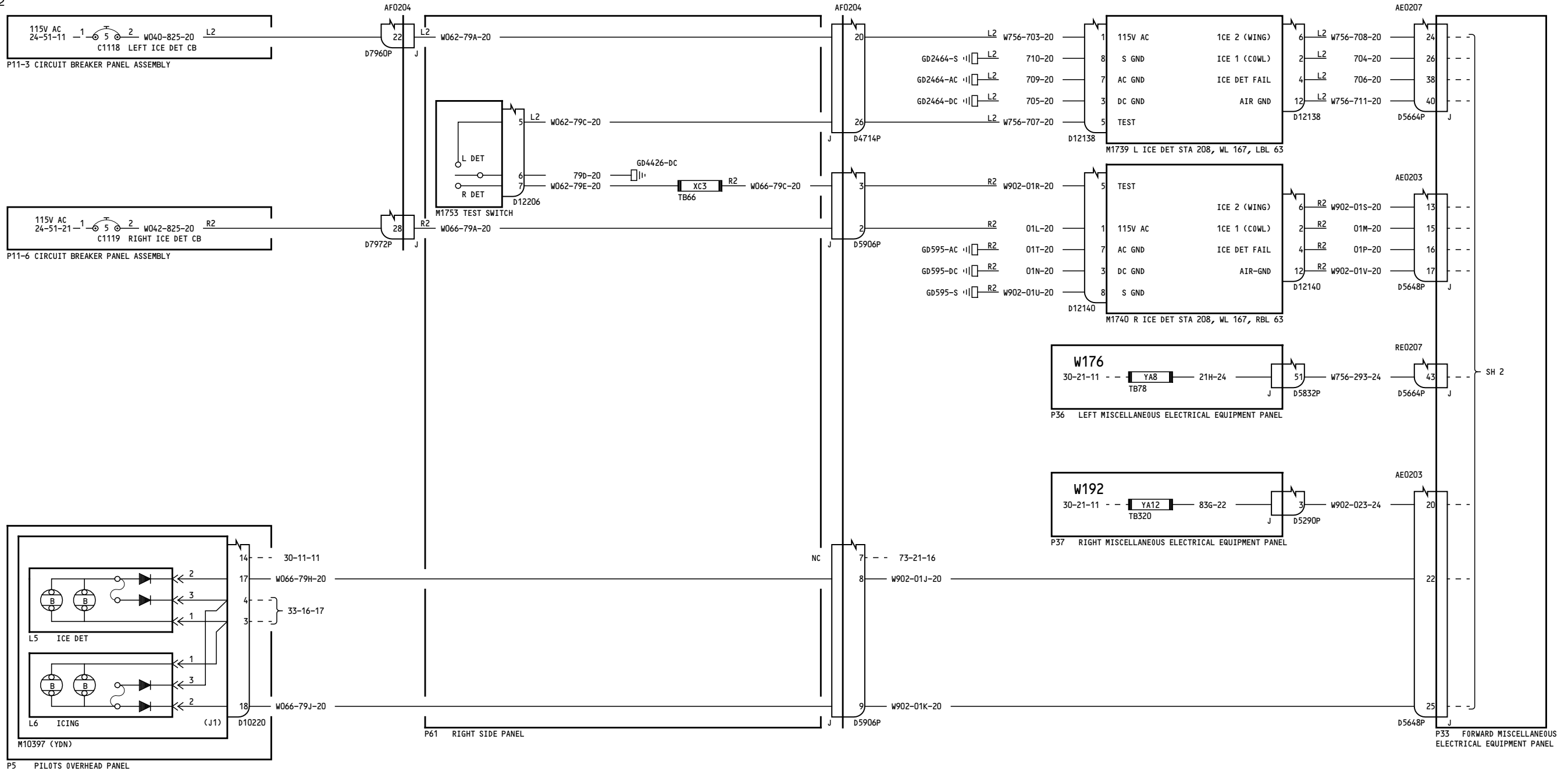
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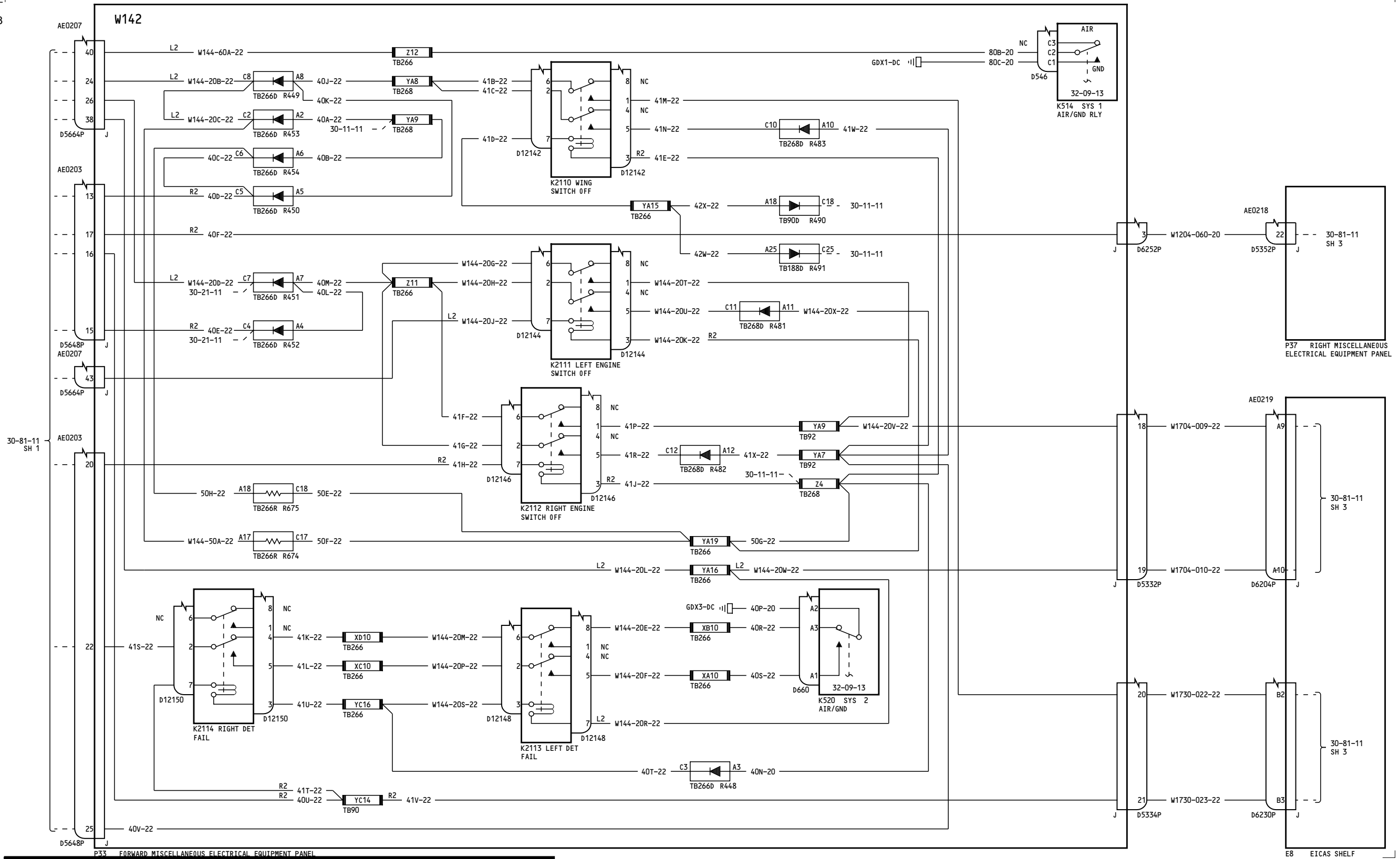
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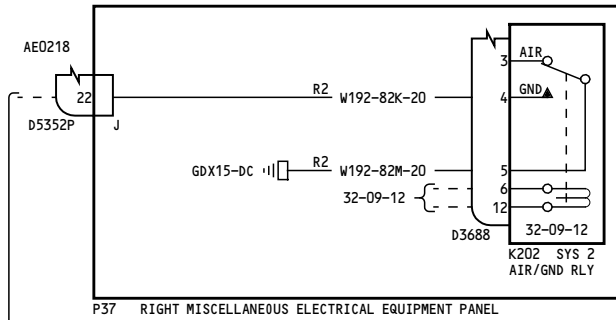
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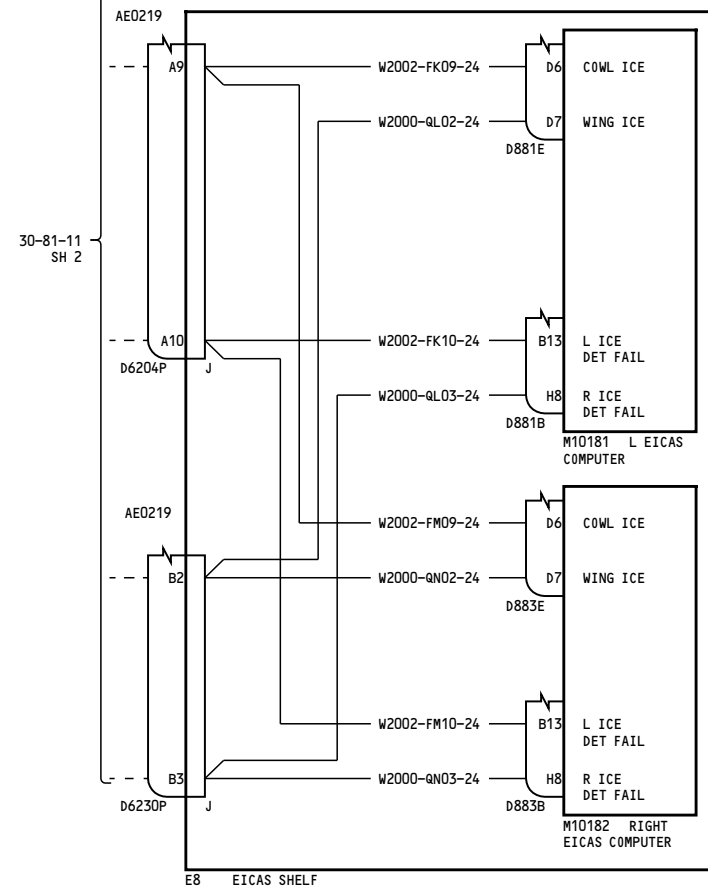
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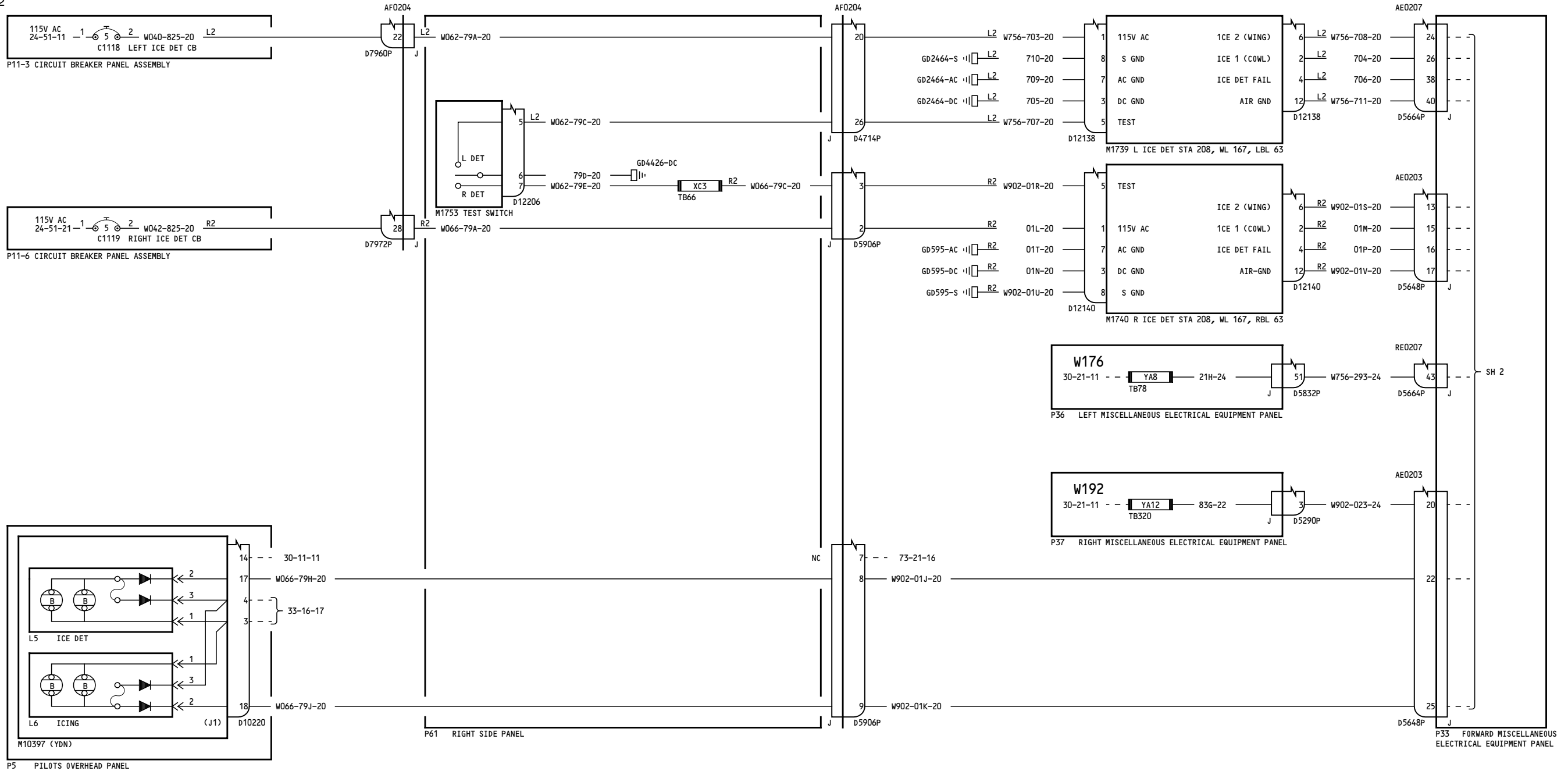
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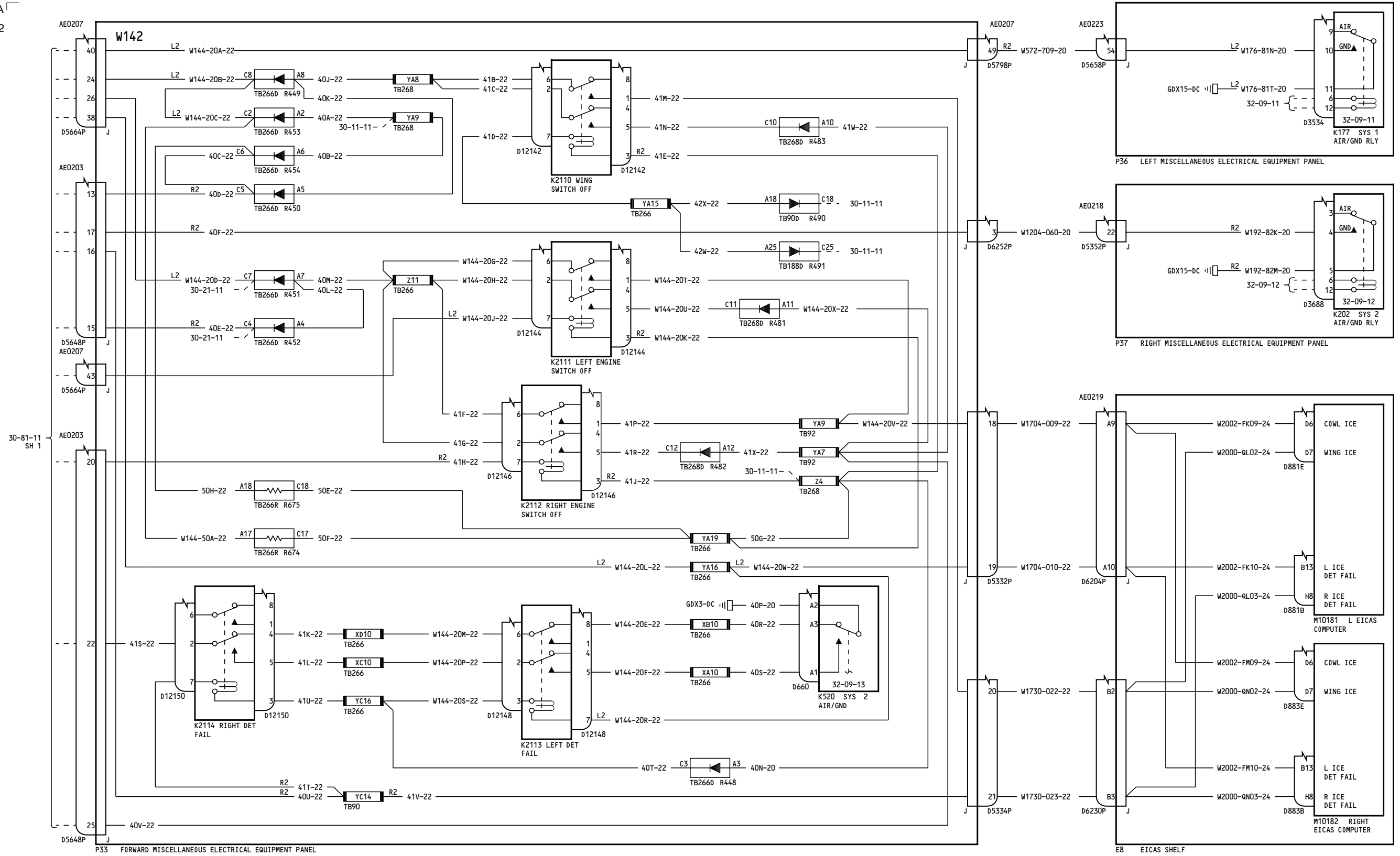
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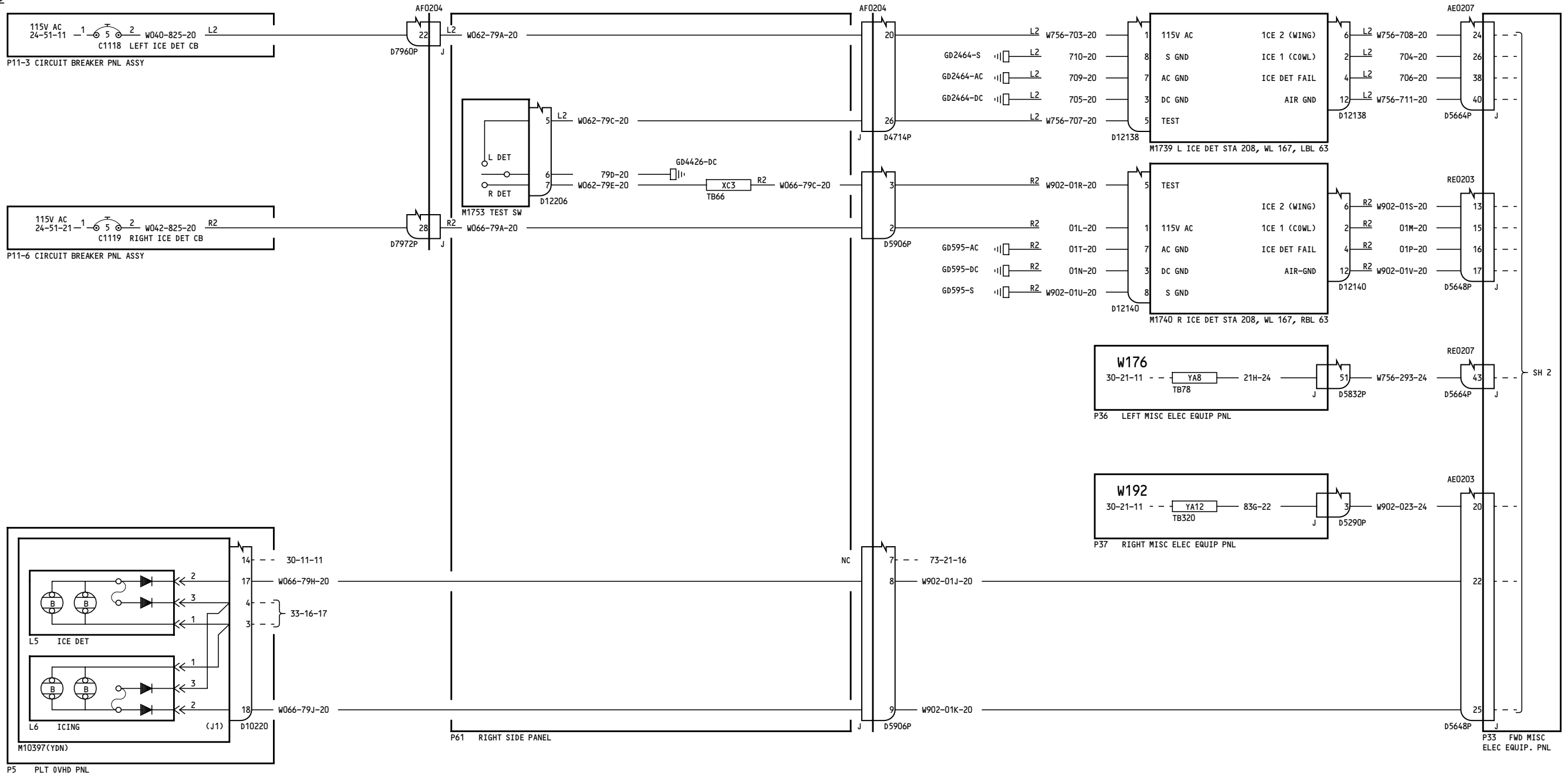
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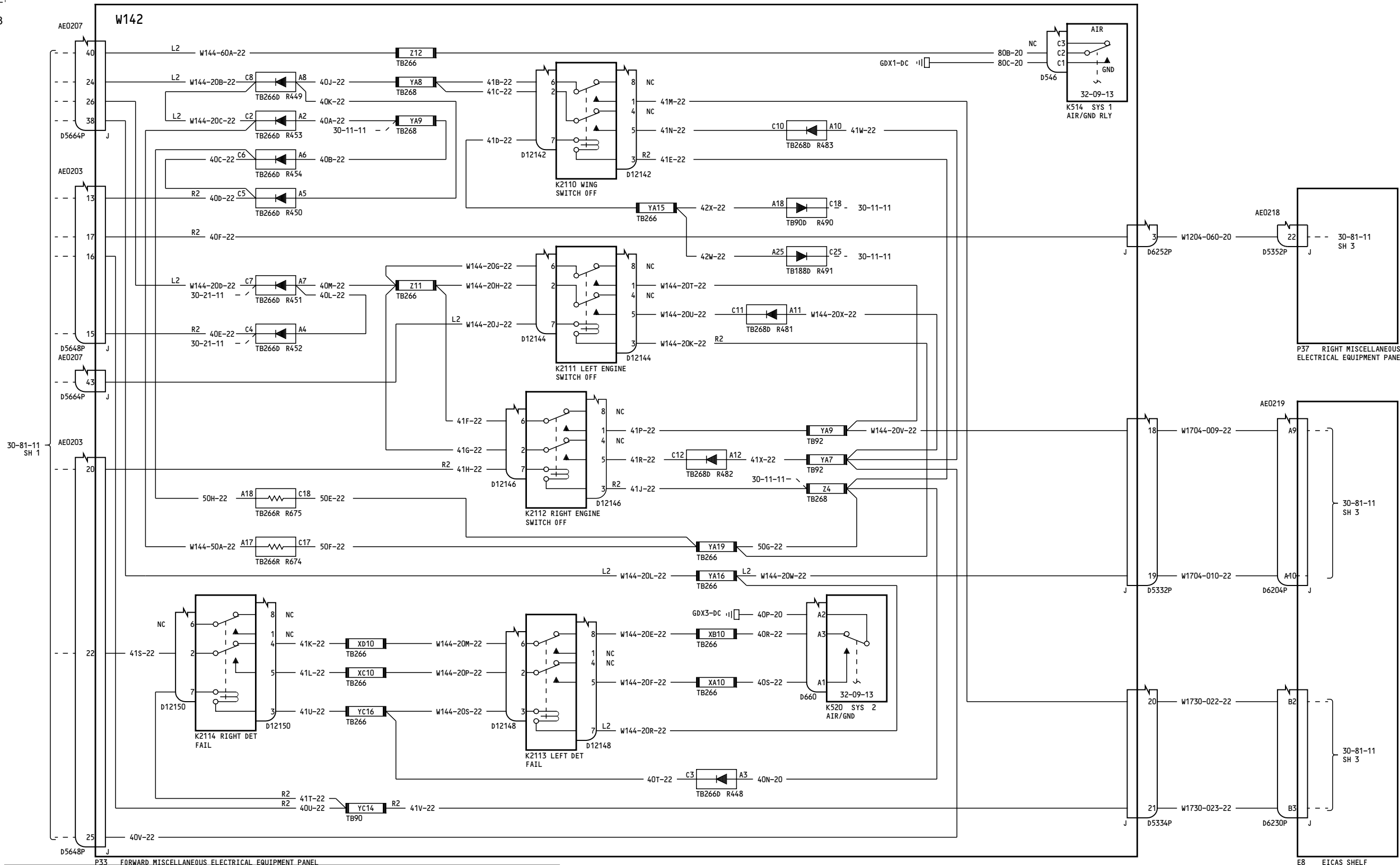


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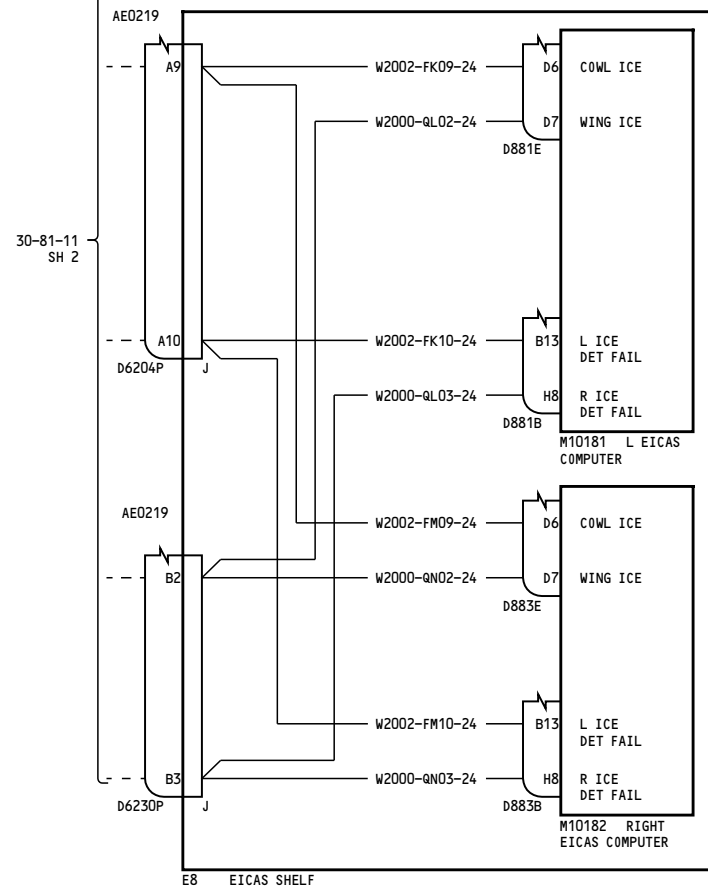
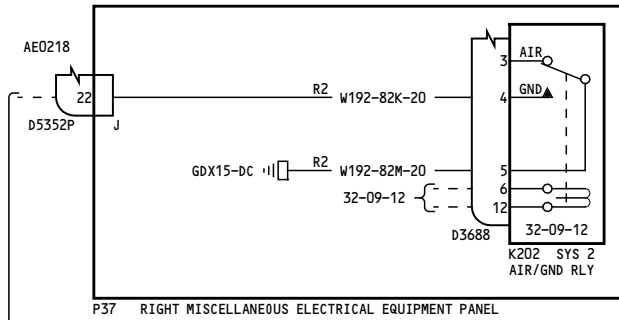
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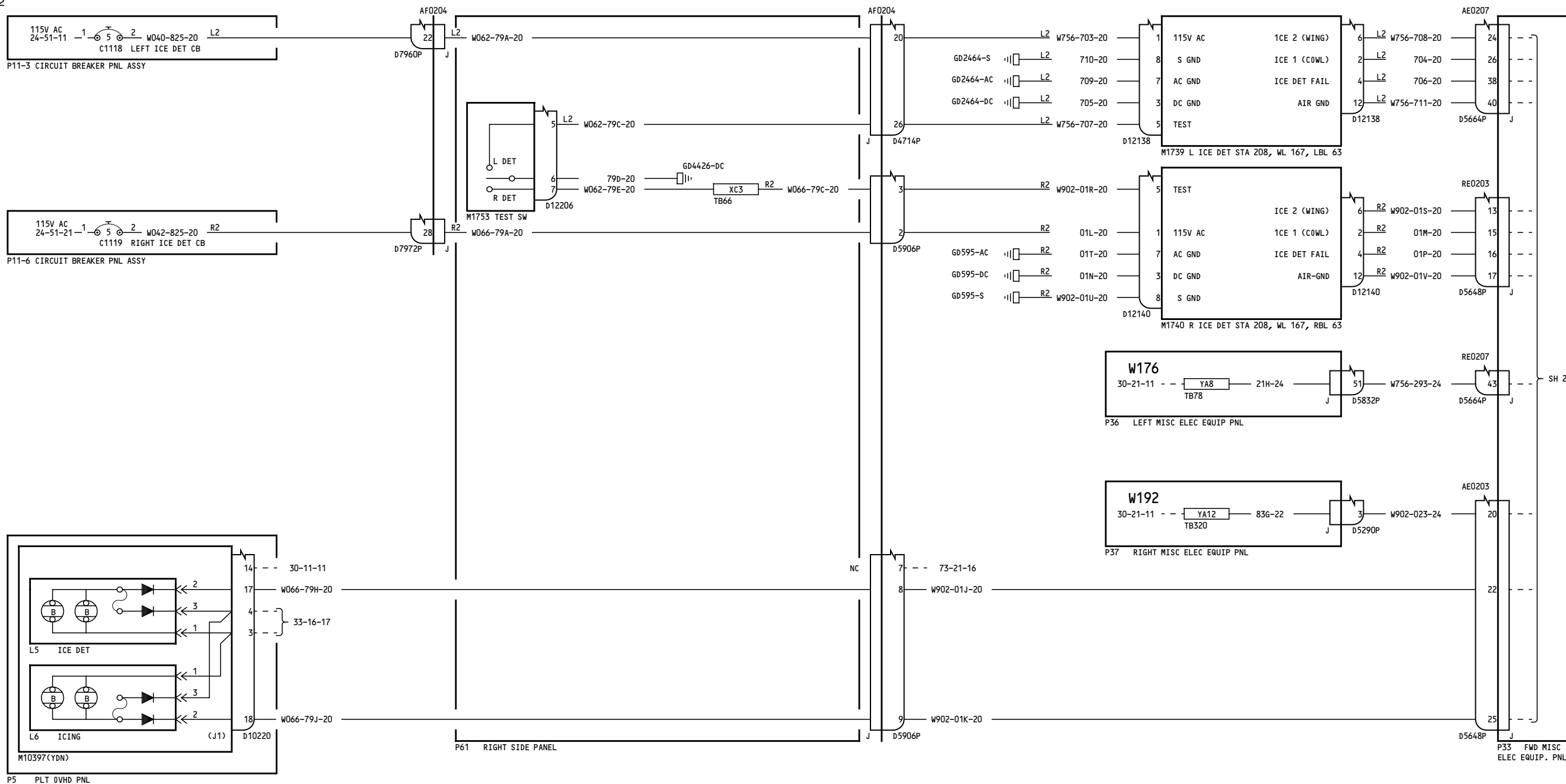
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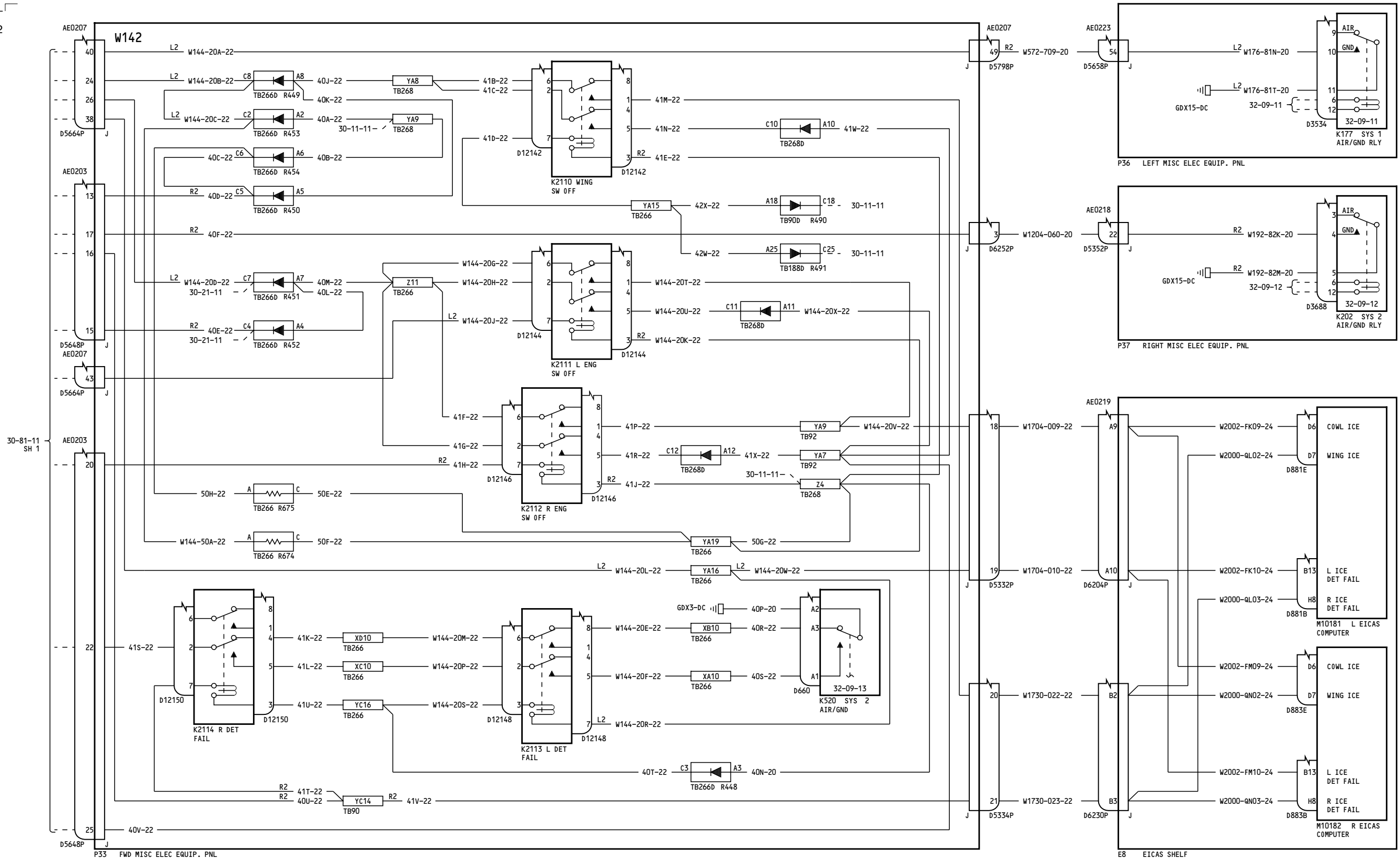
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