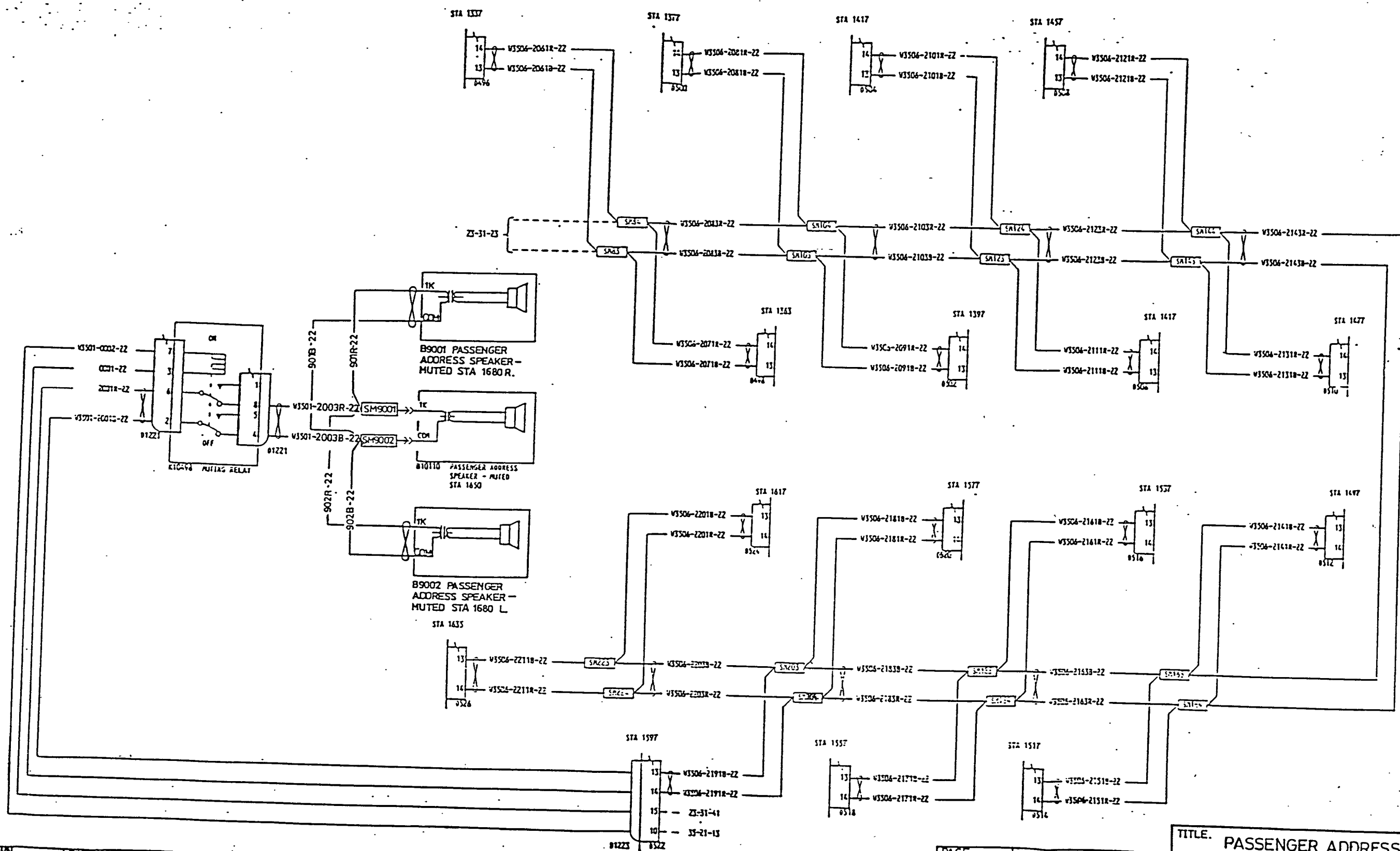


BOEING 757

Wiring Diagram Manual

CHAPTER 23 - COMMUNICATIONS

AIR 2000 CUSTOMISATIONS



DRAWN.
N. MIDDLETON
DATE.
6-4-92
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E. J. WES

MOD No.
MON/757/23/1441

MONARCH AIRCRAFT ENGINEERING LTD.

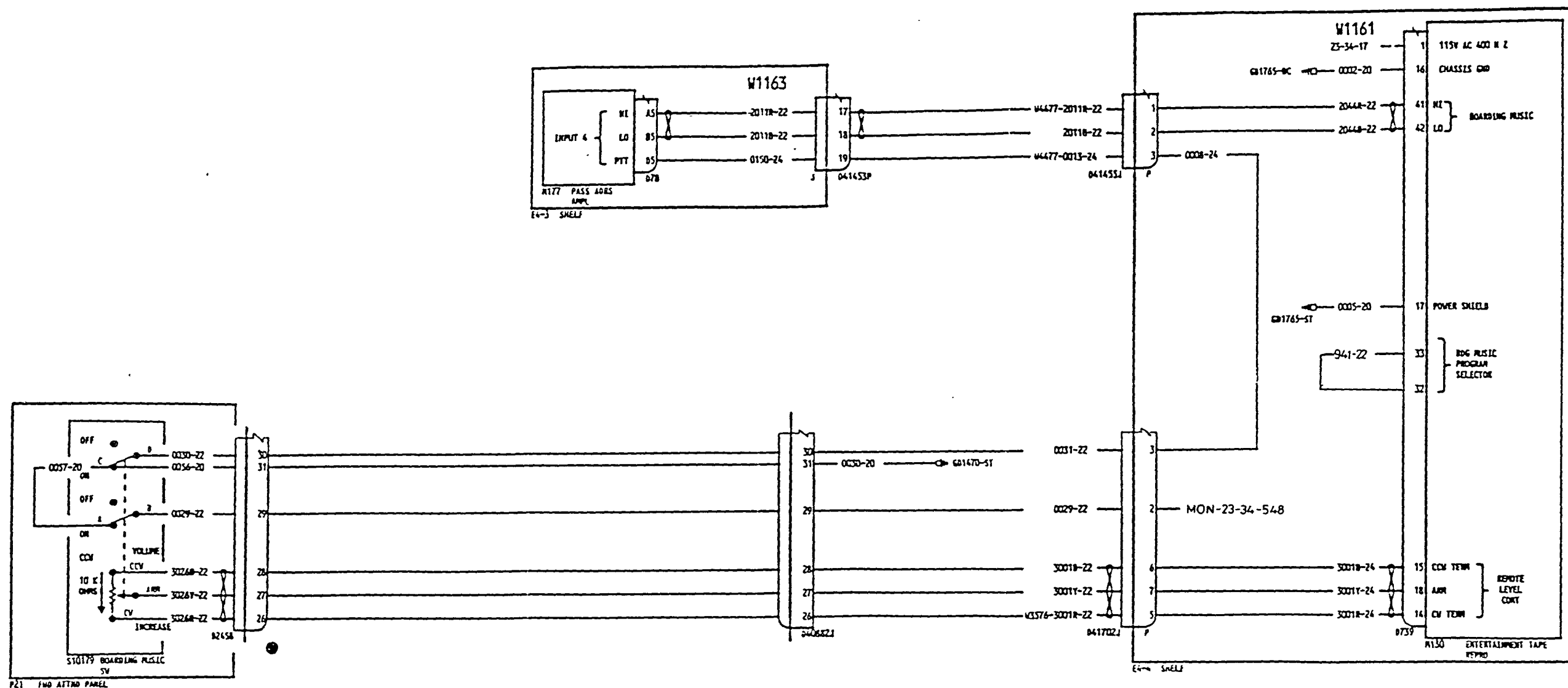
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MON 1

ATA No.
23-31-24

EFFECTIVITY.
B757-200

TITLE.
PASSENGER ADDRESS
SPEAKERS-LEFT OUTPUT
Nº3
DRG No.
MON-23-40-353
ISSUE
A

1868-388T



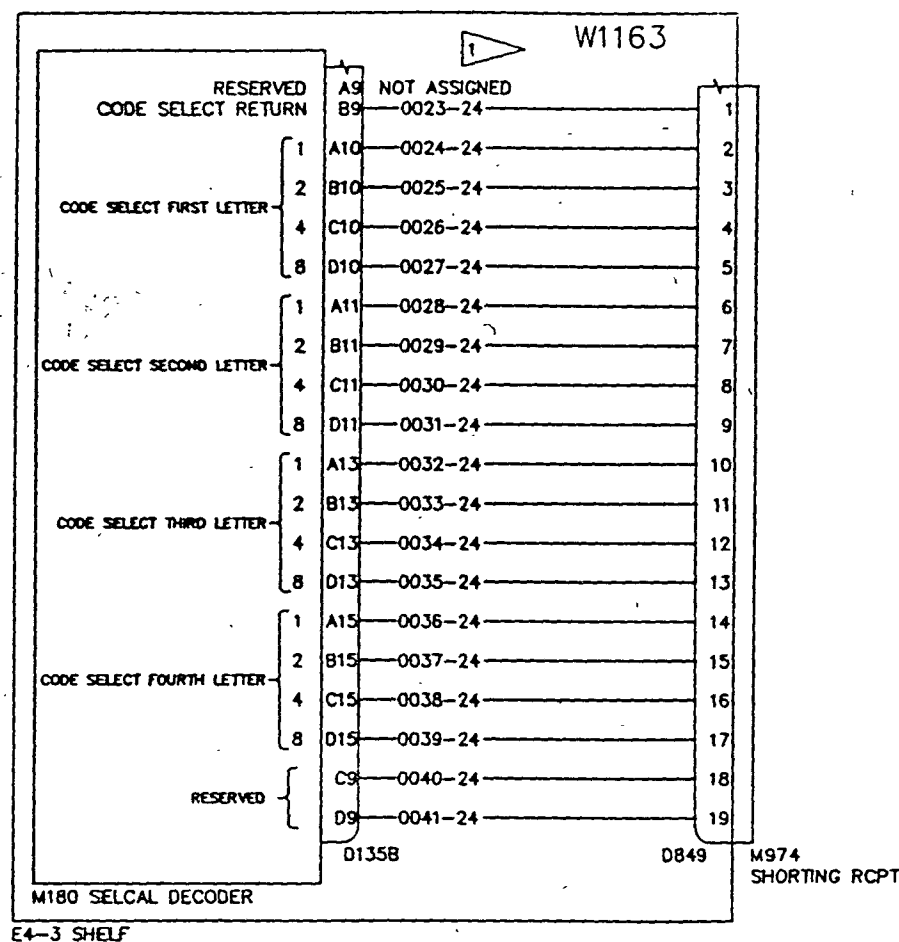
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ENGINEERING LTD**
LUTON AIRPORT, BEDS

DRAWING.
CHANGE

IF IN DOUBT ASK

ALL ERRORS TO BE REPORTED TO DRAWING OFFICE

DO NOT SCALE DRAWING

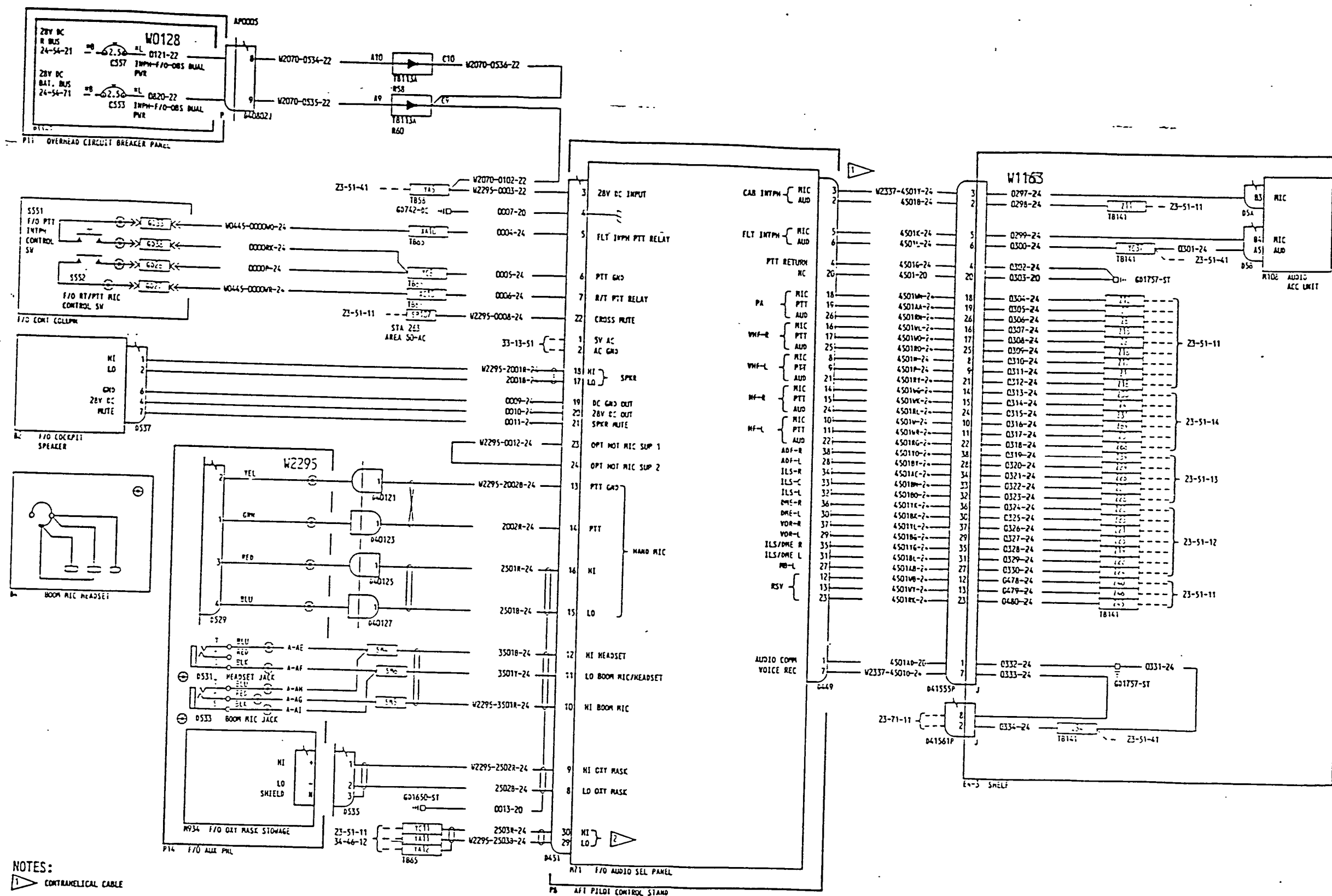
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1=LOGIC "1" NO WIRE TERMINATION

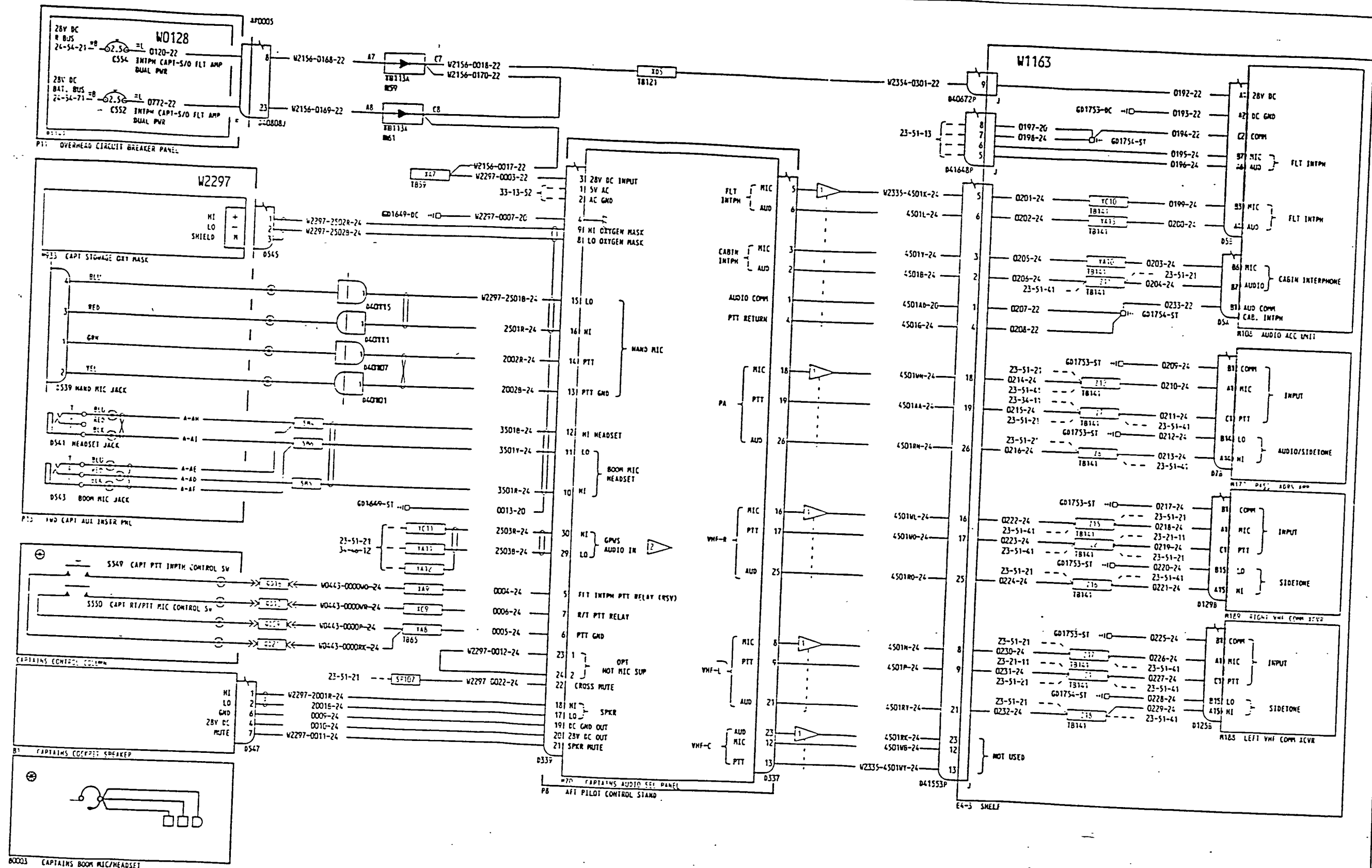
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			SHEET

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NOTES:
 1 CONTRAMELICAL CABLE
 2 CAP AND STOW WIRES TO PIN 29 AND 30 NEAR B451 FOR MB133



NOTES: 1 CONTRAHELICAL CABLE 2 CAP AND STOW WIRES TO PIN 29 AND 30 WIRE D339 FOR NB133

AES Limited

PUBLICATION REVISION

Document No. AES-TP-0022

Supplement to the
Boeing 757-200
Technical Publications

TRANSMITTAL SHEET

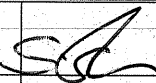


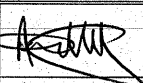
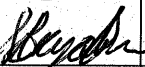


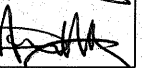




THE TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT
HAS BEEN APPROVED UNDER THE AUTHORITY OF
EASA DESIGN ORGANISATION APPROVAL No. EASA.21J.036

Reason for Issue: To introduce a supplement to the Aircraft Maintenance Manual, Wiring Diagram Manual and Illustrated Parts Catalogue to cover the introduction of an Airshow System under cover of AES modifications AES-757-088, AES-757-123, AES-757-217 and AES-757-277.

Project No.: 847

DRN: 2479

Revision No.: Issue 1

Manual & Chapter	Prepared by	Responsible for design	Date	Certification Verification Engineer / Approval		
				Stress	Design	Systems
AMM – 23-32	R McColl		Aug 31/2007			
WDM – 23-32	T N Gaunt		Aug 31/2007			
IPC – 11-06, 23-32, 23-38	T N Gaunt		Aug 31/2007			

EFFECTIVITY

(AES-TP-0022) 25268 (NB322),
27146 (NB506), 27147 (NB507), 29941 (NT404),
29942 (NT405), 29943 (NT406), 29944 (NT407),

TRANSMITTAL

Page A
Aug 31/2007

INTRODUCTION - GENERAL

- 1 This modification introduces a Digital Interface Unit (DIU) and Random Access Device (RAD) to provide random access video and audio information (for example, points of interest) for an Airshow 420 system. The information is displayed on the aircraft video monitors for passenger entertainment. This technical publication supplement describes the installed equipment, and gives the removal, installation and test procedures for the equipment.
- 2 Technical publications which are affected and which should be used with this supplement are the:
 - Aircraft Maintenance Manual
 - Wiring Diagram Manual
 - Illustrated Parts Catalogue.
- 3 Manuals which are not listed are not affected (for example the Structural Repair Manual).
- 4 Aircraft applicability and effectivity codes are given in the table below (in effectivity order).

Registration	Manufacturer's serial number (variant No).	Customer effectivity code	Cust eff code terminator
G-OOBJ	27147 (NB507)	002	-
G-OOBI	27146 (NB506)	006	-
G-CPEU	29941 (NT404)	504	-
G-OOBG	29942 (NT405)	505	-
G-CPEV	29943 (NT406)	506	-
G-OOBH	29944 (NT407)	507	-
G-CPEP	25268 (NB322)	952	999

EFFECTIVITY

(AES-TP-0022) 25268 (NB322),
27146 (NB506), 27147 (NB507), 29941 (NT404),
29942 (NT405), 29943 (NT406), 29944 (NT407),

TRANSMITTAL

WIRING DIAGRAM MANUAL

LIST OF EFFECTIVE PAGES

CH-SECT-UNIT-FIG	PAGE No.	DATE	CH-SECT-UNIT-FIG	PAGE No.	DATE
EFFECTIVE PAGES	i	AUG 31/07	23-32-04	13	AUG 31/07
REVISIONS	ii	AUG 31/07	23-32-04	14	AUG 31/07
INTRODUCTION	ii	AUG 31/07	23-32-04	15	AUG 31/07
CONTENTS	iv	AUG 31/07	23-32-04	16	AUG 31/07
FIN	v	AUG 31/07	23-32-04	17	AUG 31/07
23-32-03	1	AUG 31/07	23-32-04	18	AUG 31/07
23-32-03	2	AUG 31/07	23-32-05	1	AUG 31/07
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23-32-03	4	AUG 31/07	23-32-05	3	AUG 31/07
23-32-03	5	AUG 31/07	23-32-05	4	AUG 31/07
23-32-03	6	AUG 31/07	23-32-05	5	AUG 31/07
23-32-03	7	AUG 31/07	23-32-05	6	AUG 31/07
23-32-03	8	AUG 31/07			
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23-32-03	10	AUG 31/07			
23-32-03	11	AUG 31/07			
23-32-03	12	AUG 31/07			
23-32-03	13	AUG 31/07			
23-32-03	14	AUG 31/07			
23-32-03	15	AUG 31/07			
23-32-03	16	AUG 31/07			
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23-32-04	2	AUG 31/07			
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23-32-04	4	AUG 31/07			
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23-32-04	12	AUG 31/07			

EFFECTIVITY

(AES-TP-0022)

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WM SUPP - LEP

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WIRING DIAGRAM MANUAL

RECORD OF REVISIONS

REV No.	INSERTION DATE	BY	REV No.	INSERTION DATE	BY	REV No.	INSERTION DATE	BY

EFFECTIVITY

(AES-TP-0022)

25268 (NB322),
27146 (NB506), 27147 (NB507), 29941 (NT404),
29942 (NT405), 29943 (NT406), 29944 (NT407),

WM SUPP - REVISIONS

INTRODUCTION

This section supplements the aircraft wiring diagram manual.

EFFECTIVITY

(AES-TP-0022)

25268 (NB322),
27146 (NB506), 27147 (NB507), 29941 (NT404),
29942 (NT405), 29943 (NT406), 29944 (NT407),

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AIRSHOW SYSTEM POWER DISTRIBUTION	23-32-03 PG 1	002002
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AIRSHOW SYSTEM POWER DISTRIBUTION	23-32-03 PG 1	504504 506506
AIRSHOW SYSTEM POWER DISTRIBUTION	23-32-03 PG 2	504504 506506
AIRSHOW SYSTEM POWER DISTRIBUTION	23-32-03 PG 1	505505 507507
AIRSHOW SYSTEM POWER DISTRIBUTION	23-32-03 PG 2	505505 507507
AIRSHOW SYSTEM POWER DISTRIBUTION	23-32-03 PG 1	006007
AIRSHOW SYSTEM POWER DISTRIBUTION	23-32-03 PG 2	006007
PAX ENTERTAINMENT AND FLIGHT INFORMATION DISPLAY SYSTEM (AIRSHOW)	23-32-04 PG 1	002002
PAX ENTERTAINMENT AND FLIGHT INFORMATION DISPLAY SYSTEM (AIRSHOW)	23-32-04 PG 2	002002
PAX ENTERTAINMENT AND FLIGHT INFORMATION DISPLAY SYSTEM (AIRSHOW)	23-32-04 PG 3	002002
PAX ENTERTAINMENT AND FLIGHT INFORMATION DISPLAY SYSTEM (AIRSHOW)	23-32-04 PG 4	002002
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PAX ENTERTAINMENT AND FLIGHT INFORMATION DISPLAY SYSTEM (AIRSHOW)	23-32-04 PG 3	006007
PAX ENTERTAINMENT AND FLIGHT INFORMATION DISPLAY SYSTEM (AIRSHOW)	23-32-04 PG 4	006007
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PAX ENTERTAINMENT AND FLIGHT INFORMATION DISPLAY SYSTEM (AIRSHOW)	23-32-05 PG 4	504504 506506

EFFECTIVITY

(AES-TP-0022) 25268 (NB322),
27146 (NB506), 27147 (NB507), 29941 (NT404),
29942 (NT405), 29943 (NT406), 29944 (NT407),

WM SUPP - TOC

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**INTRODUCTION OF THE
AIRSHOW SYSTEM**
*AES modifications AES-757-088,
AES-757-123, AES-757-217 and AES-757-277*
WIRING DIAGRAM MANUAL



EQUIPMENT	PART NUMBER	DESCRIPTION	USED ON DRAWING	QTY	USED ON W/D	VENDOR	EFFECT
AES -M90006	921006	DIGITAL INTERFACE UNIT (DUI)	-	1	23-32-04 23-32-05	V70093	ALL
AES -M90008	915020	RANDOM ACCESS UNIT (RAD)	-	1	23-32-04 23-32-05	V70093	ALL
AES -M90007	915020	AIRSHOW CONTROL UNIR (ACU)	-	1	23-32-04 23-32-05	V70093	ALL

EFFECTIVITY

(AES-TP-0022) 25268 (NB322)
27146 (NB506), 27147 (NB507), 29941 (NT404)
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WM FIN - FINS

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EFFECTIVITY

(AES-TP-0022)

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27146 (NB506), 27147 (NB507), 29941 (NT404)
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LEGEND USED ON WIRING DIAGRAMS	
	NEW WIRE
	NEW ROUTE OF EXISTING WIRE
	EXISTING WIRE
	DELETED WIRE OR FORMER ROUTE OF EXISTING WIRE
	CAPPED WIRE
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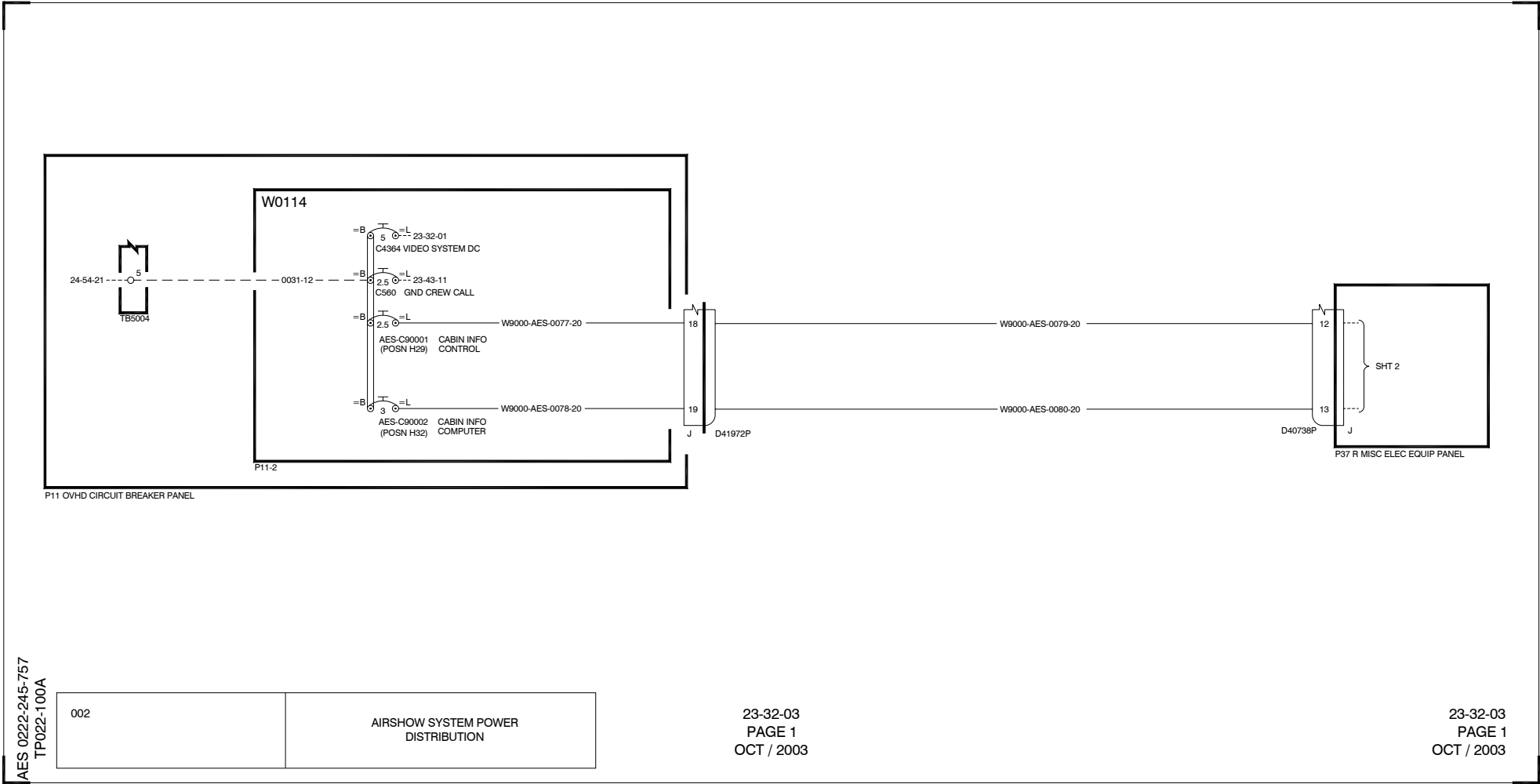
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25268 (NB322)

WM SUPP - 23-32-03

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INTRODUCTION OF THE
AIRSHOW SYSTEM
AES modifications AES-757-088,
AES-757-123, AES-757-217 and AES-757-277
WIRING DIAGRAM MANUAL

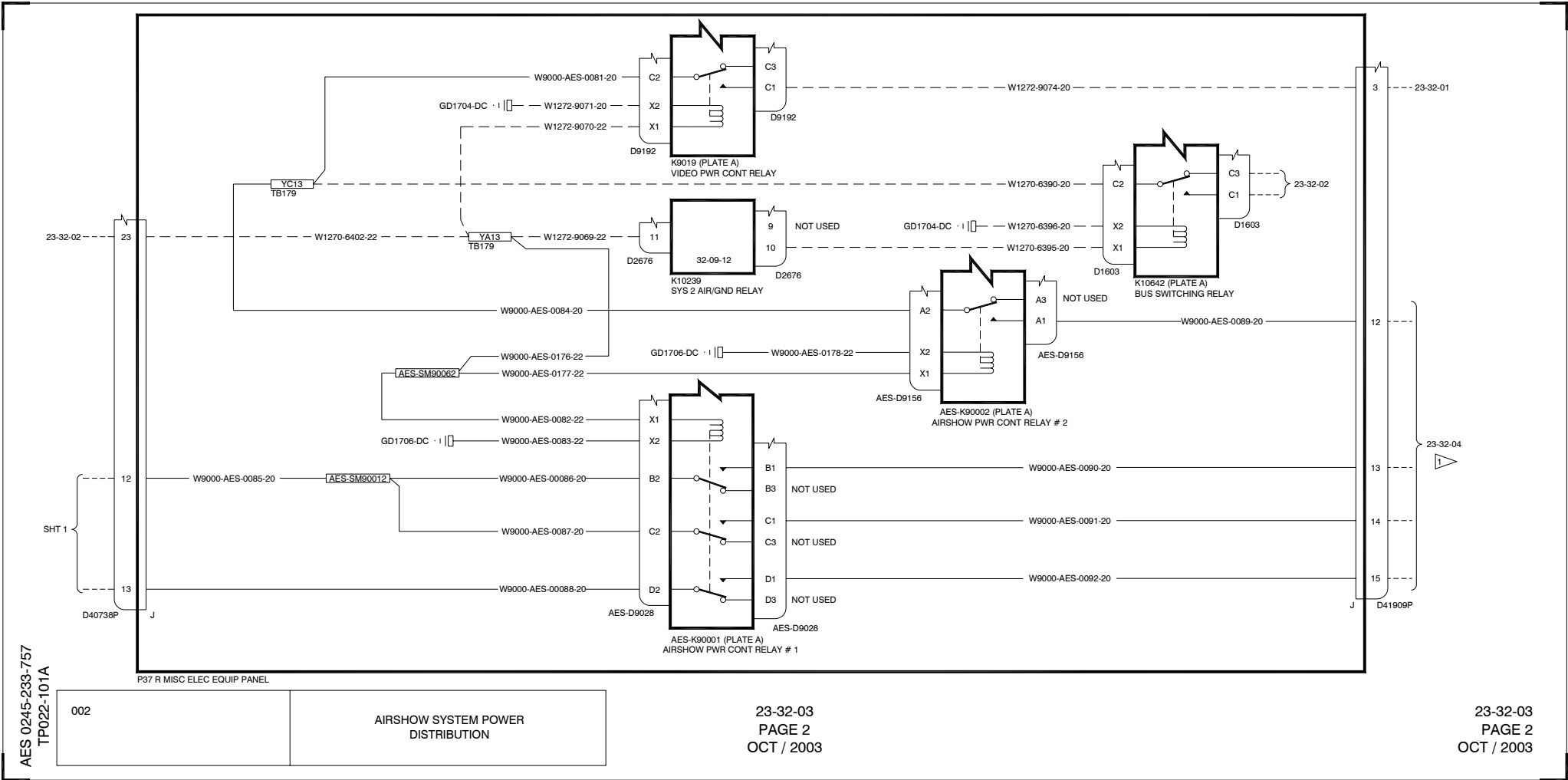


EFFECTIVITY

(AES-TP-0022)
25268 (NB322)

WM SUPP - 23-32-03

INTRODUCTION OF THE
AIRSHOW SYSTEM
AES modifications AES-757-088,
AES-757-123, AES-757-217 and AES-757-277
WIRING DIAGRAM MANUAL








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

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WM SUPP - 23-32-03

WIRING DIAGRAM MANUAL

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	EXISTING WIRE
	DELETED WIRE OR FORMER ROUTE OF EXISTING WIRE
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-  CROSS REFER TO AES W/D 23-32-05 PAGE 1, 2 & 3 (AES-TP0022)

EFFECTIVITY

(AES-TP-0022)

29941 (NT404)

29943 (NT406)

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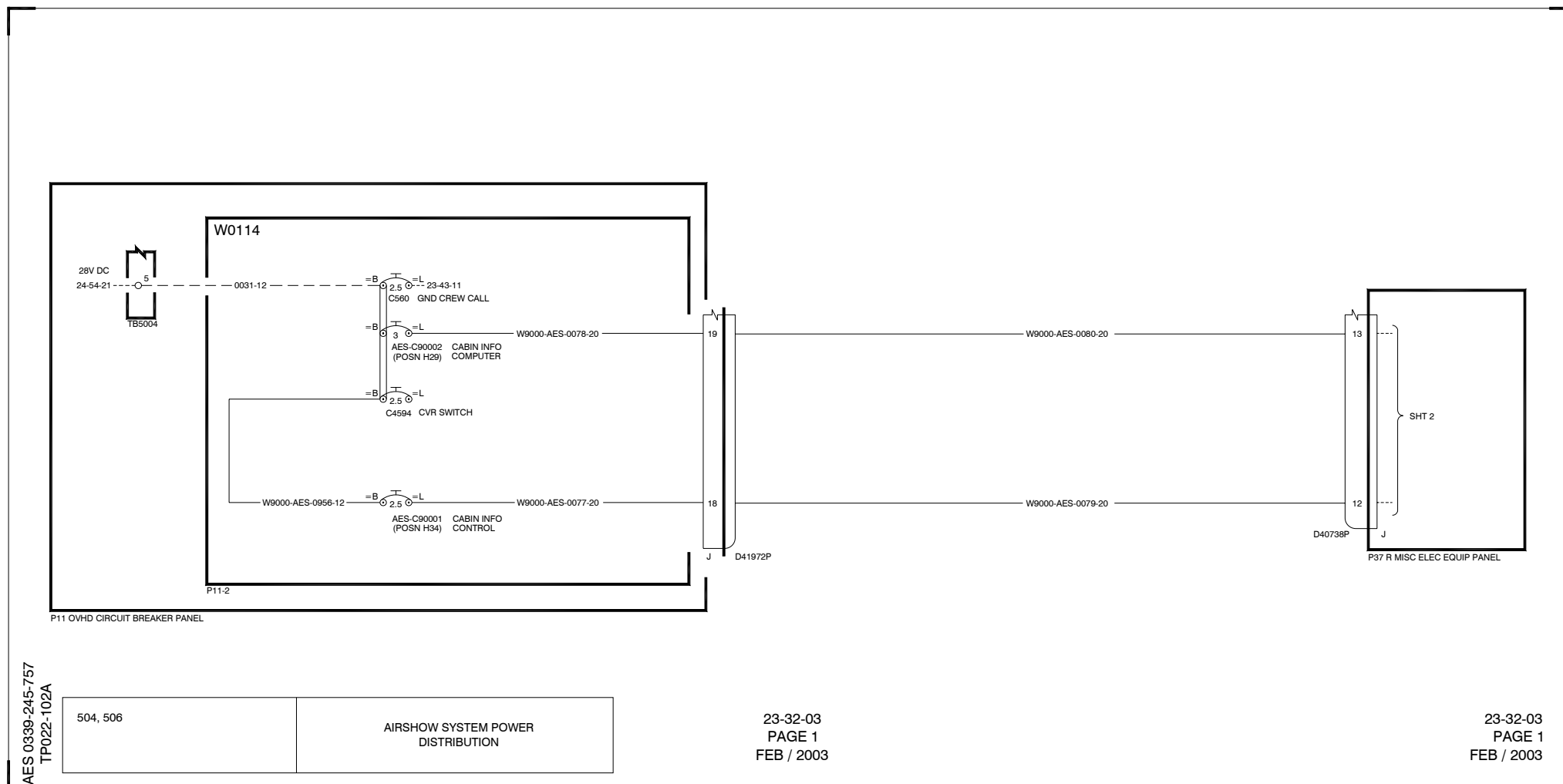
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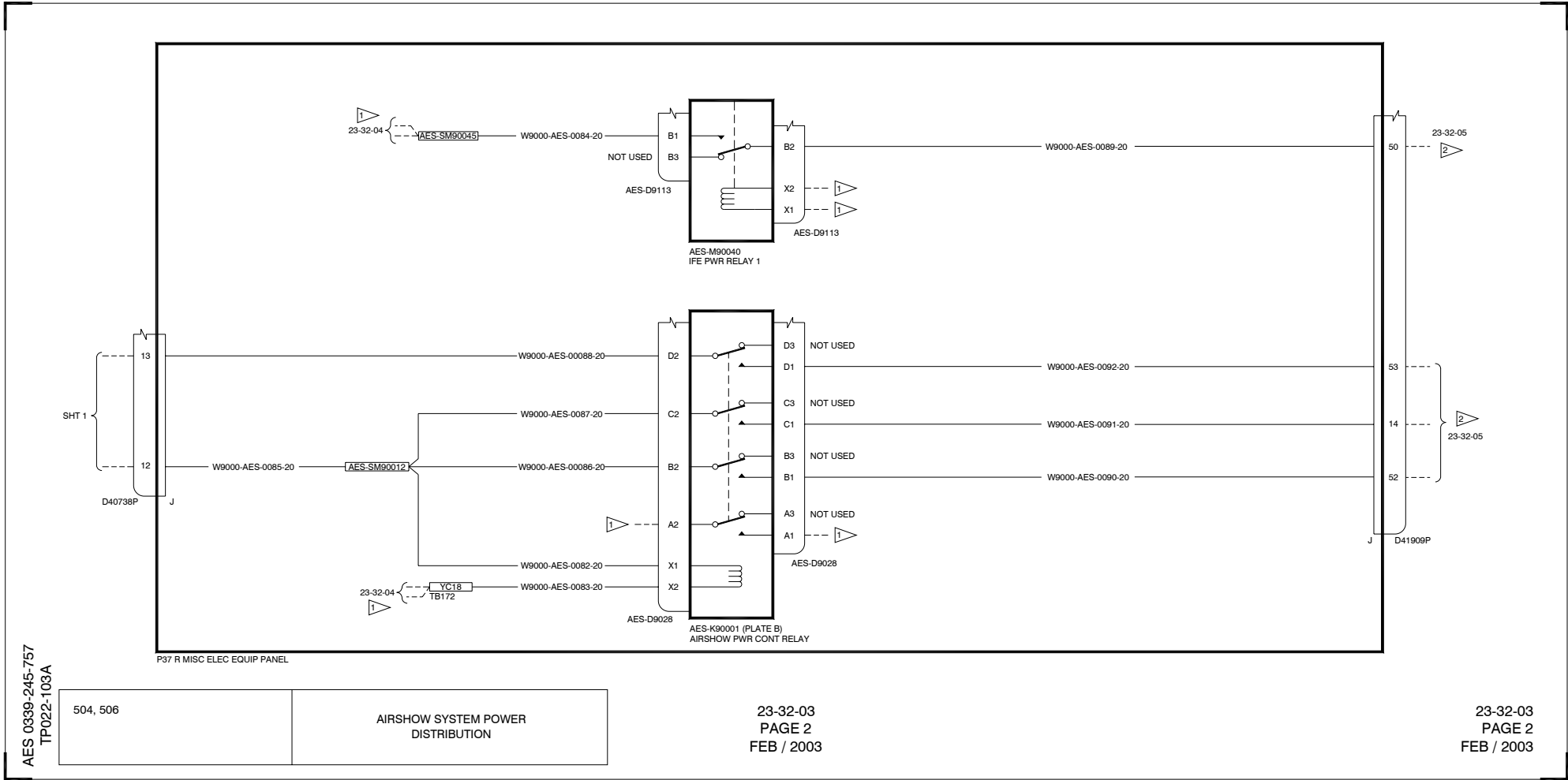
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INTRODUCTION OF THE
AIRSHOW SYSTEM
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


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

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29943 (NT406)

WM SUPP - 23-32-03

LEGEND USED ON WIRING DIAGRAMS

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EFFECTIVITY

(AES-TP-0022)

29942 (NT405)

29944 (NT407)

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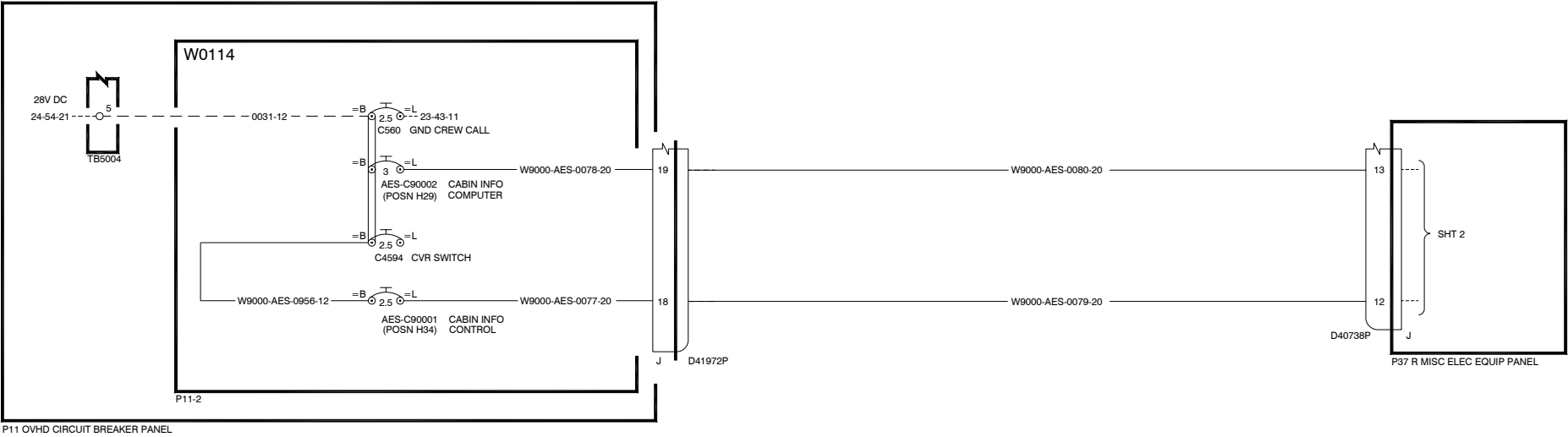
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29942 (NT405)

29944 (NT407)

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AES 0660-245-757
TP022-104A

505, 507	AIRSHOW SYSTEM POWER DISTRIBUTION
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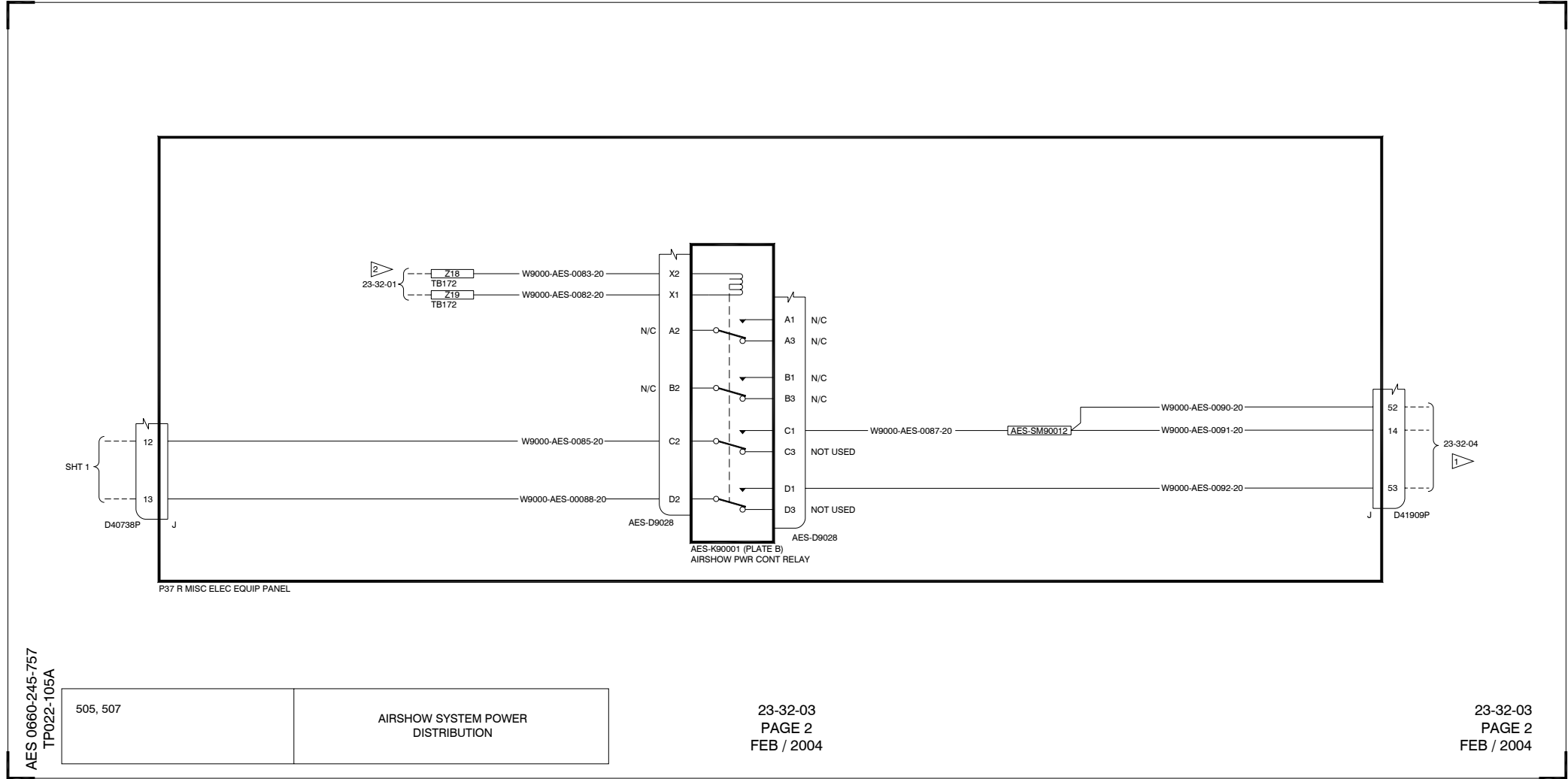
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29944 (NT407)
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29944 (NT407)
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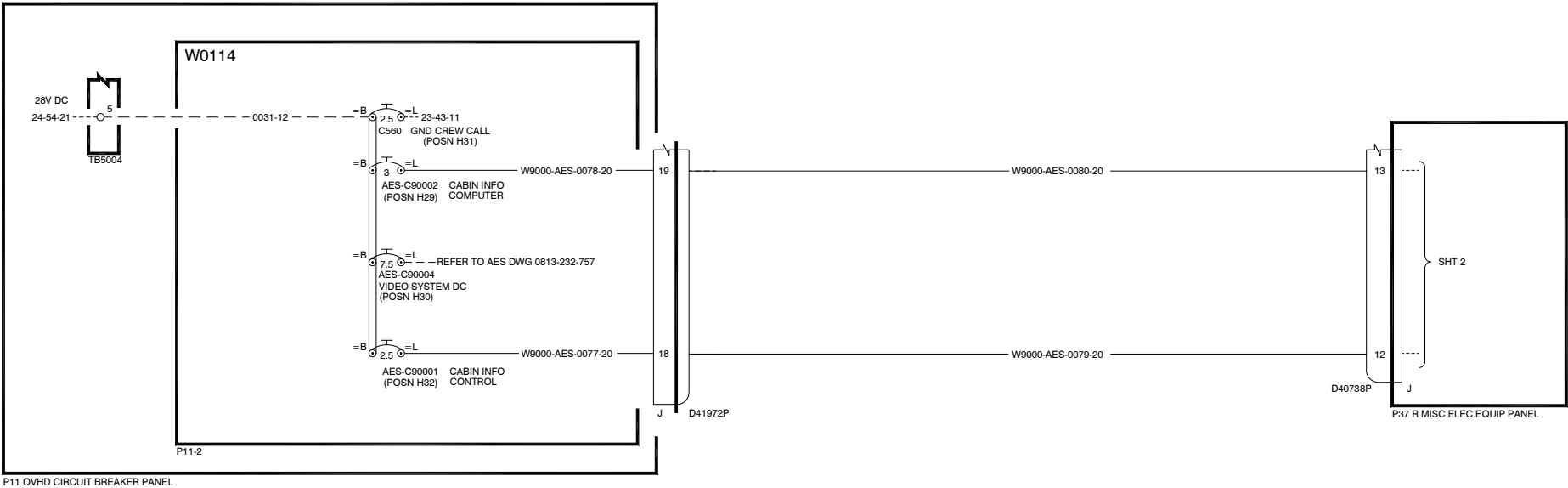
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27147 (NB507),	
27146 (NB506)	



AES 0810-245-757
TP022-106A

006, 007	AIRSHOW SYSTEM POWER DISTRIBUTION
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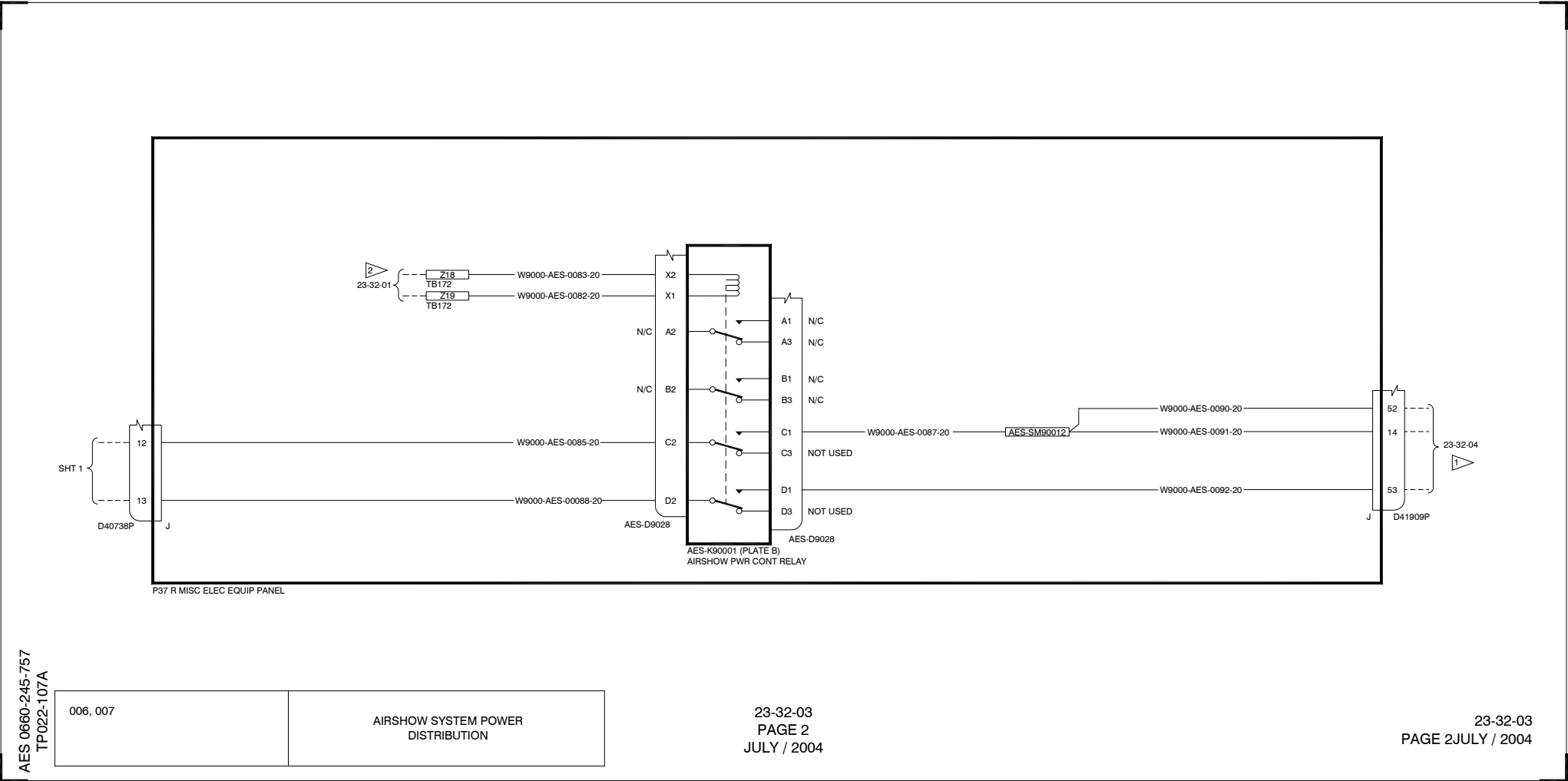
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



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AIRSHOW SYSTEM
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AES-757-123, AES-757-217 and AES-757-277
WIRING DIAGRAM MANUAL



EFFECTIVITY

(AES-TP-0022)
27147 (NB507),
27146 (NB506)

LEGEND USED ON WIRING DIAGRAMS	
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	EXISTING WIRE
	DELETED WIRE OR FORMER ROUTE OF EXISTING WIRE
	CAPPED WIRE
	DENOTES REWORK OR CROSS REFERENCE INSTRUCTION # = NUMERALS

NOTES



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EFFECTIVITY

(AES-TP-0022)

25268 (NB322)

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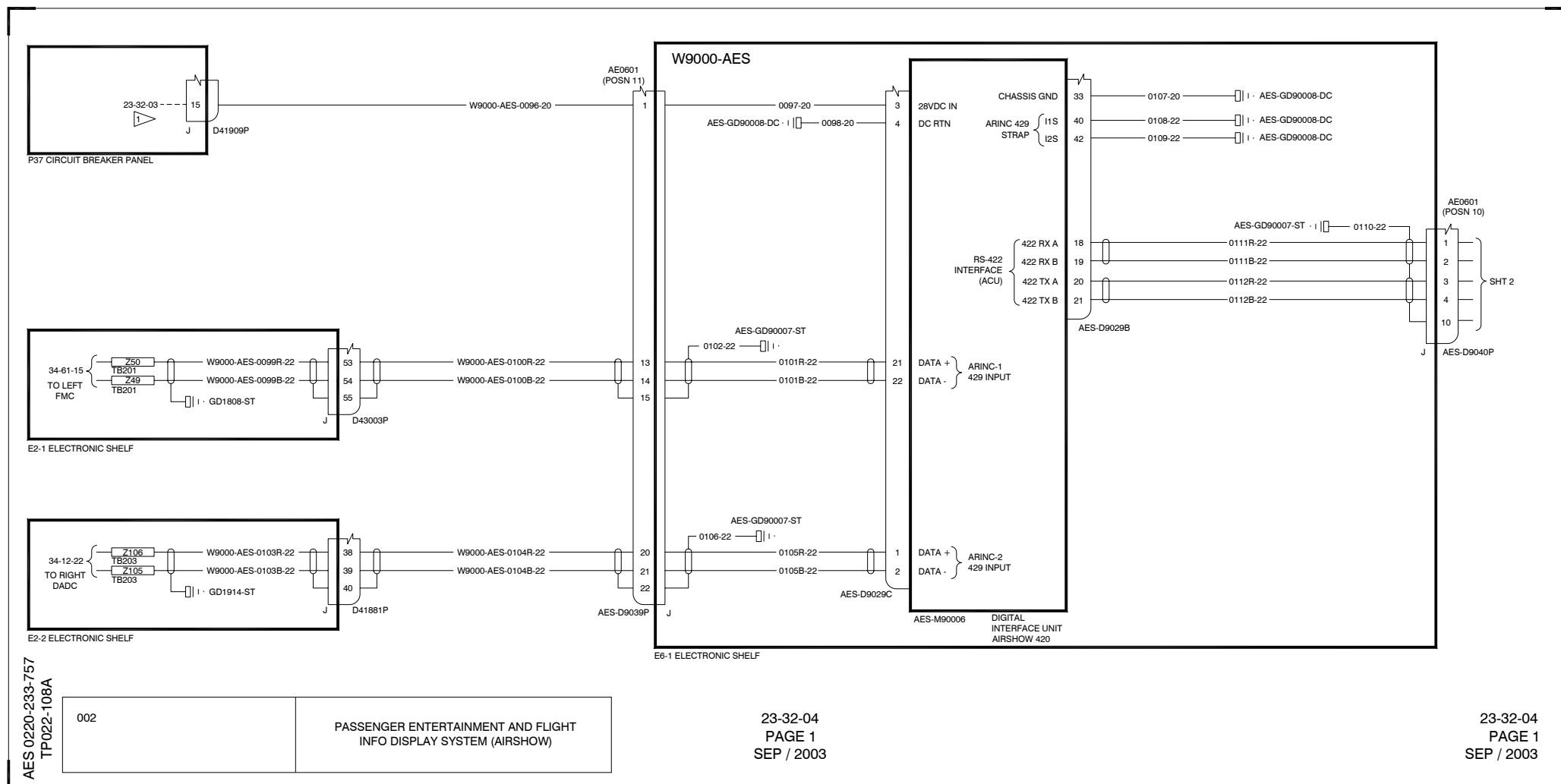
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*Technical
Publications Supplement*

*AES modifications AE-757-088,
AES-757-123, AES-757-217 and AES-757-277*

aes
aerospace engineering solutions



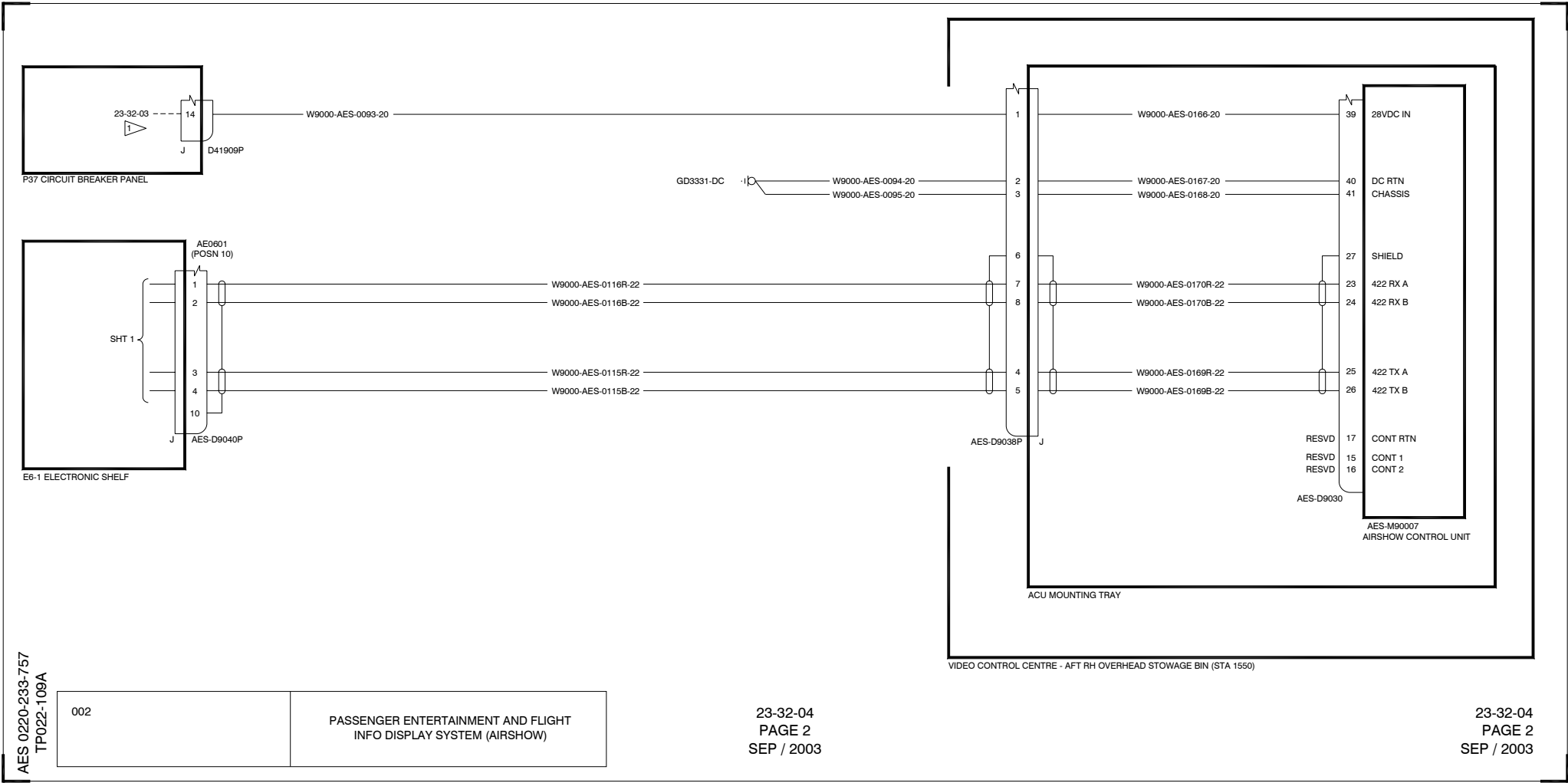
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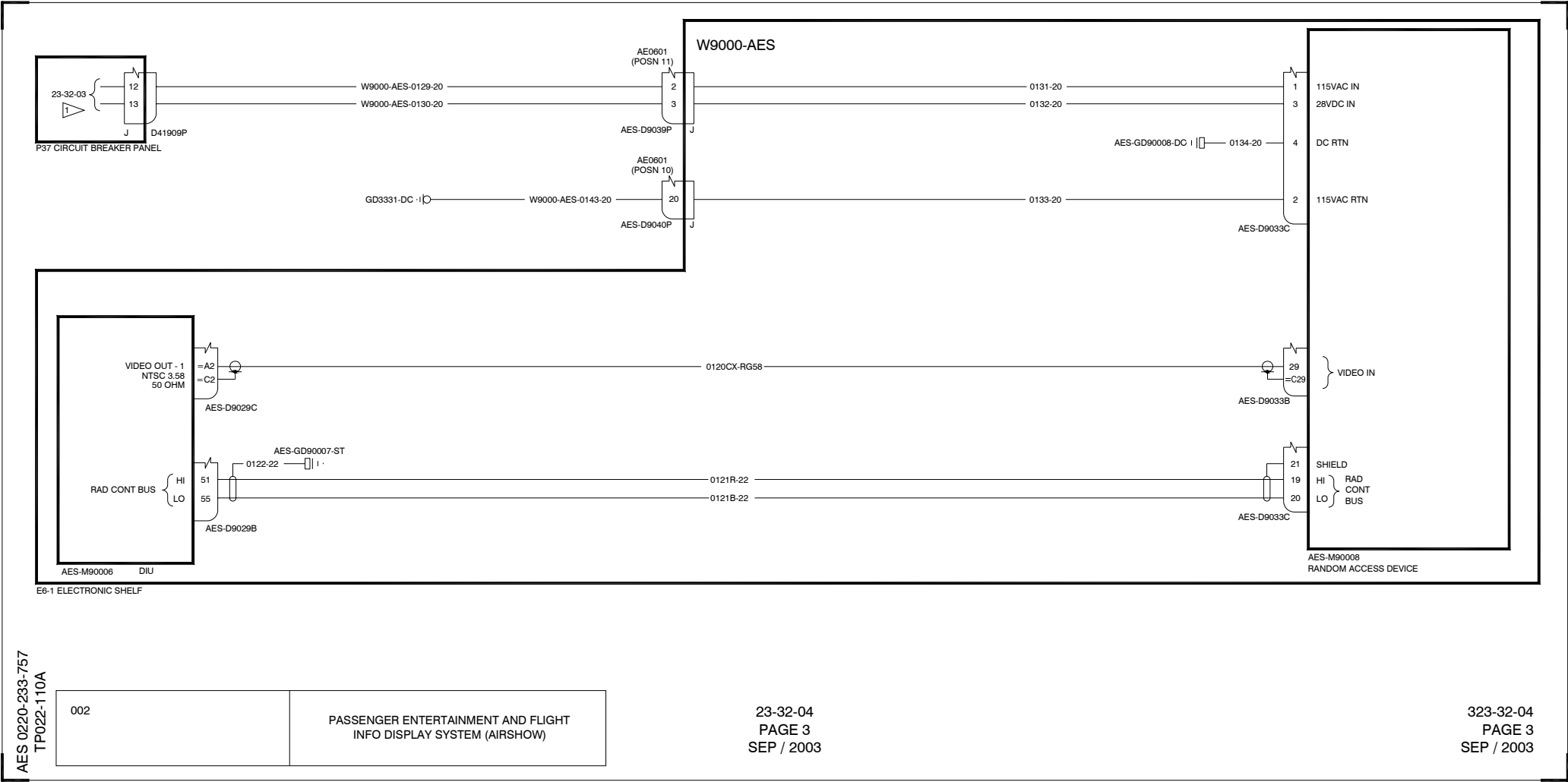
**INTRODUCTION OF THE
AIRSHOW SYSTEM**
*AES modifications AE-757-088,
AES-757-123, AES-757-217 and AES-757-277*
WIRING DIAGRAM MANUAL



EFFECTIVITY

(AES-TP-0022)
25268 (NB322),

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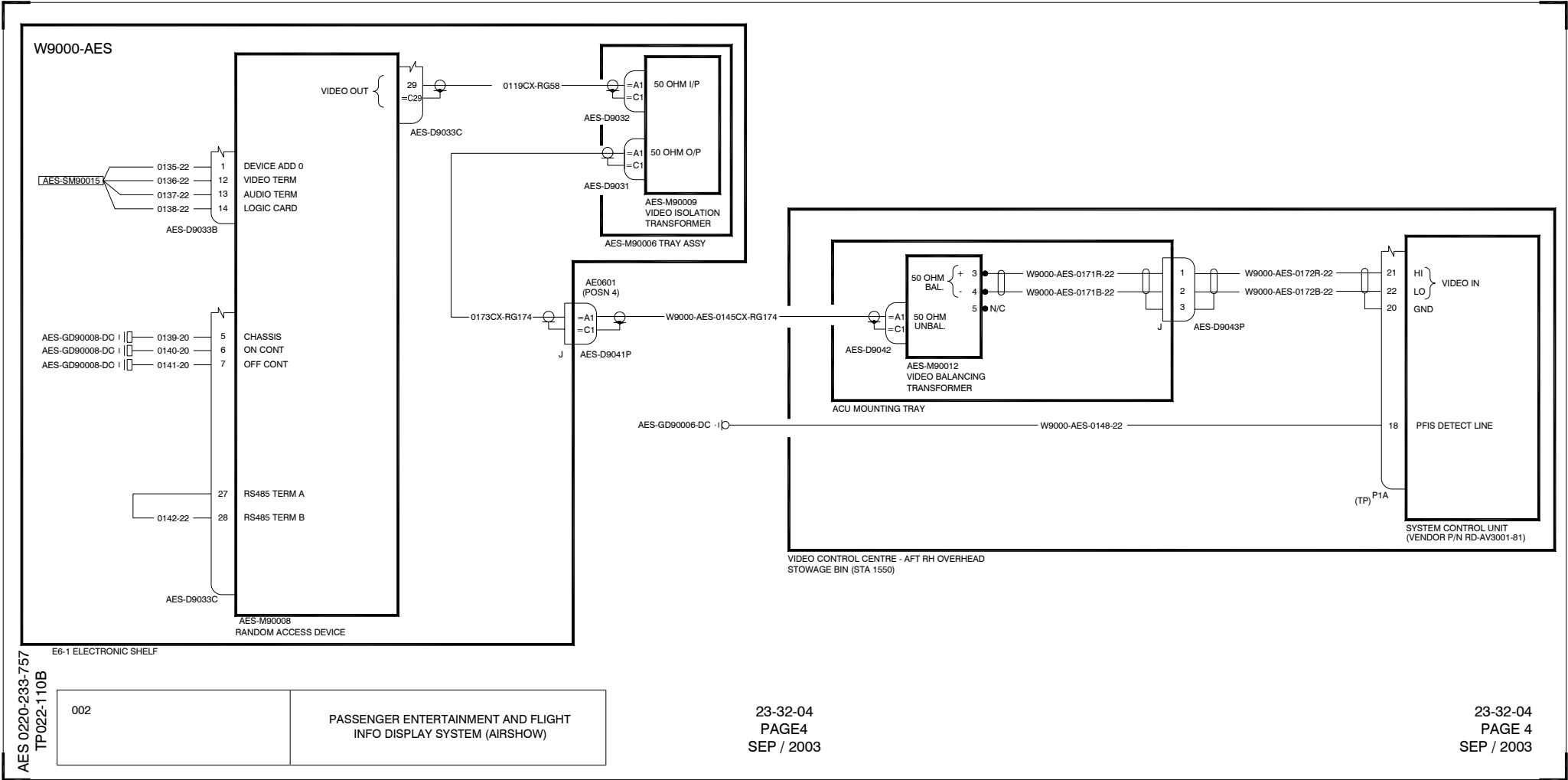
PASSENGER ENTERTAINMENT AND FLIGHT
INFO DISPLAY SYSTEM (AIRSHOW)

23-32-04
PAGE 3
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323-32-04
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WM SUPP - 23-32-04







**INTRODUCTION OF THE
AIRSHOW SYSTEM**
AES modifications AE-757-088,
AES-757-123, AES-757-217 and AES-757-277
WIRING DIAGRAM MANUAL



EFFECTIVITY

(AES-TP-0022)
25268 (NB322),

WM SUPP - 23-32-04

LEGEND USED ON WIRING DIAGRAMS	
	NEW WIRE
	NEW ROUTE OF EXISTING WIRE
	EXISTING WIRE
	DELETED WIRE OR FORMER ROUTE OF EXISTING WIRE
	CAPPED WIRE
	DENOTES REWORK OR CROSS REFERENCE INSTRUCTION # = NUMERALS

NOTES

-  CROSS REFER TO AES W/D 23-32-03 PAGE 2 (AES TP-0022)
-  CROSS REFER TO AES W/D 23-32-01 PAGE 2A (AES-TP0019)

EFFECTIVITY

(AES-TP-0022)

29942 (NT405)
29944 (NT407),

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EFFECTIVITY

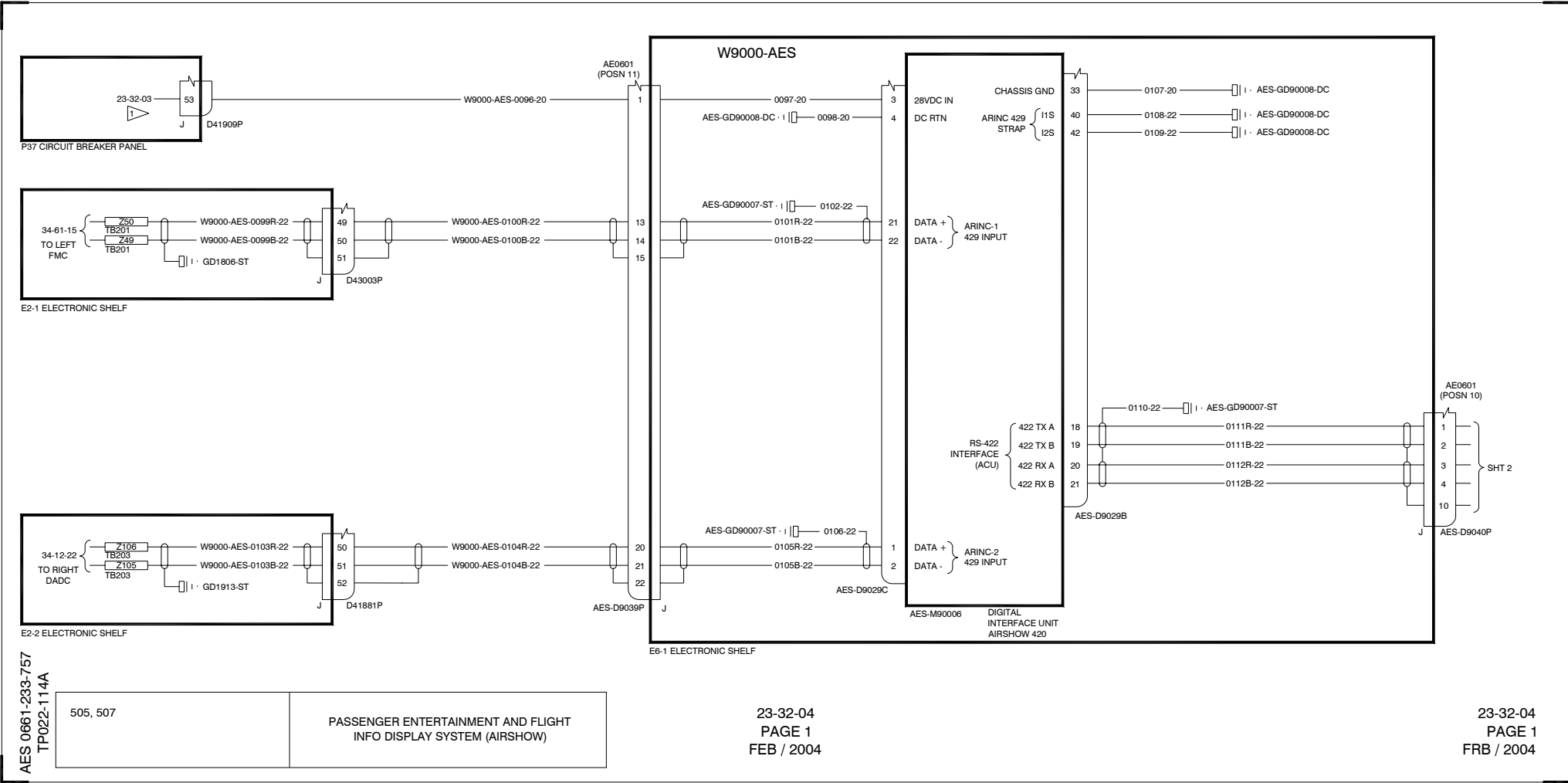
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29944 (NT407),

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**INTRODUCTION OF THE
AIRSHOW SYSTEM**
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AES-757-123, AES-757-217 and AES-757-277
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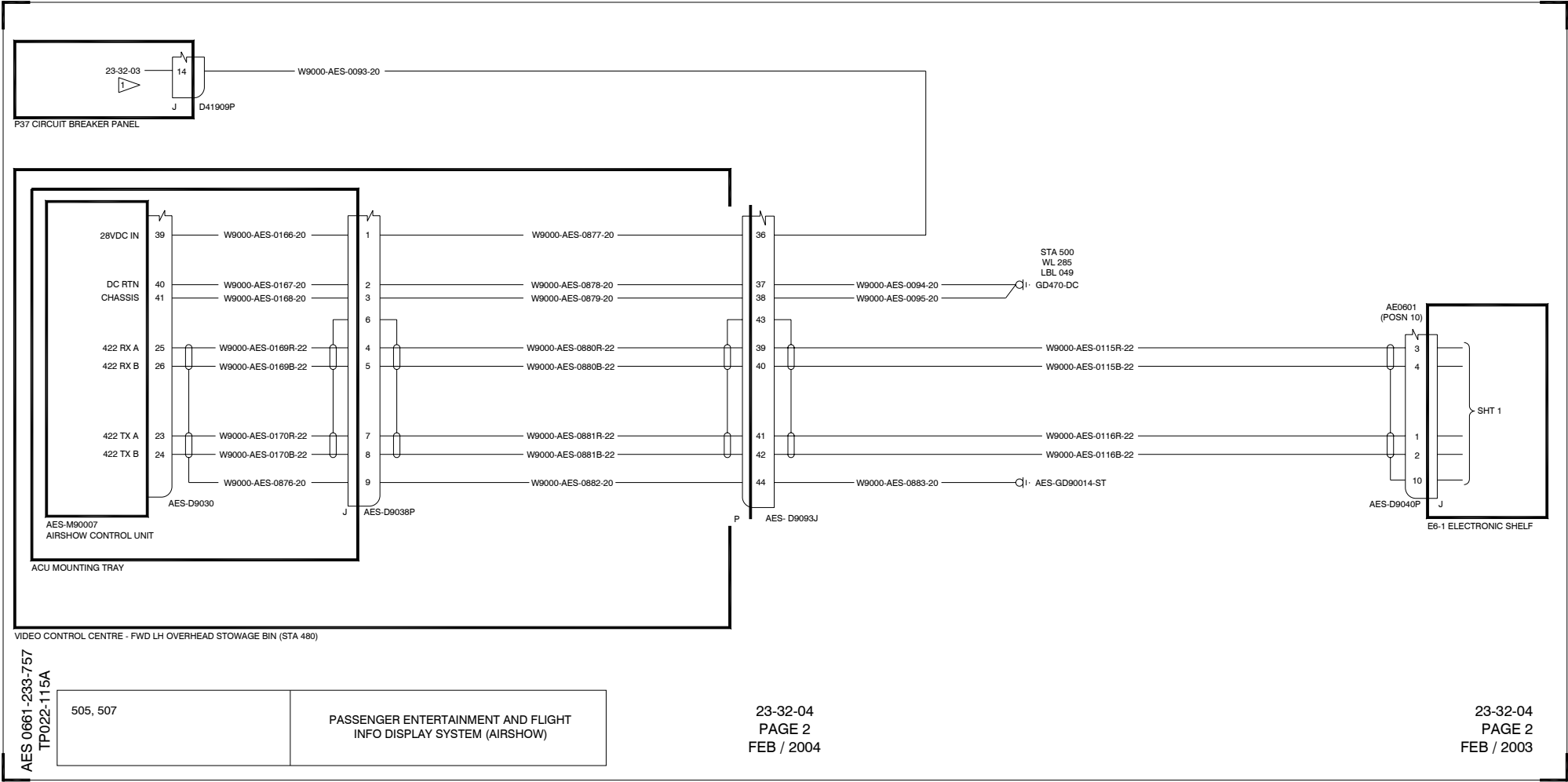


EFFECTIVITY

(AES-TP-0022)
29942 (NT405)
29944 (NT407)

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**INTRODUCTION OF THE
AIRSHOW SYSTEM**
*AES modifications AE-757-088,
AES-757-123, AES-757-217 and AES-757-277*
WIRING DIAGRAM MANUAL

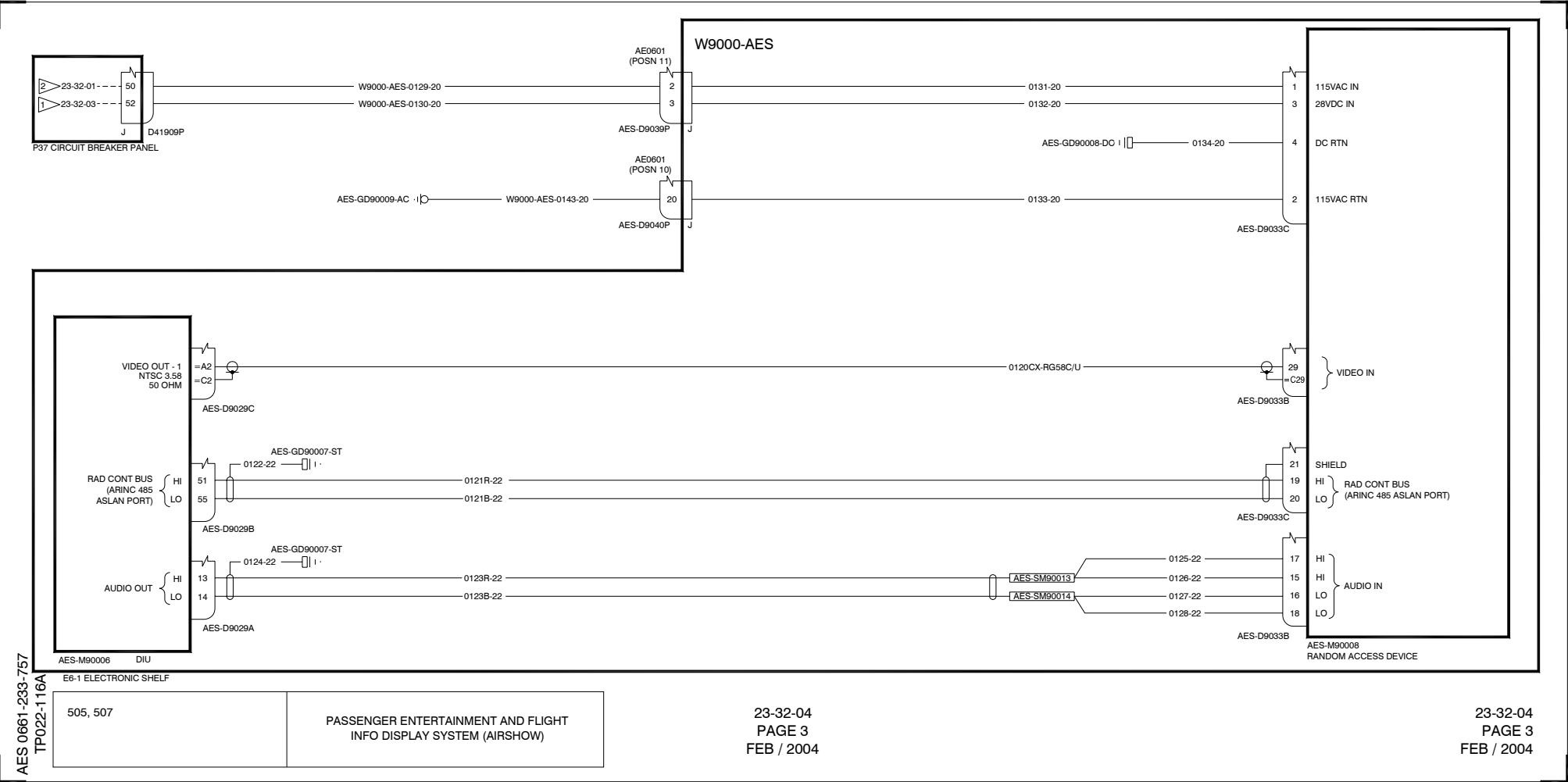


EFFECTIVITY

(AES-TP-0022)
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29944 (NT407)

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**INTRODUCTION OF THE
AIRSHOW SYSTEM**
AES modifications AE-757-088,
AES-757-123, AES-757-217 and AES-757-277
WIRING DIAGRAM MANUAL

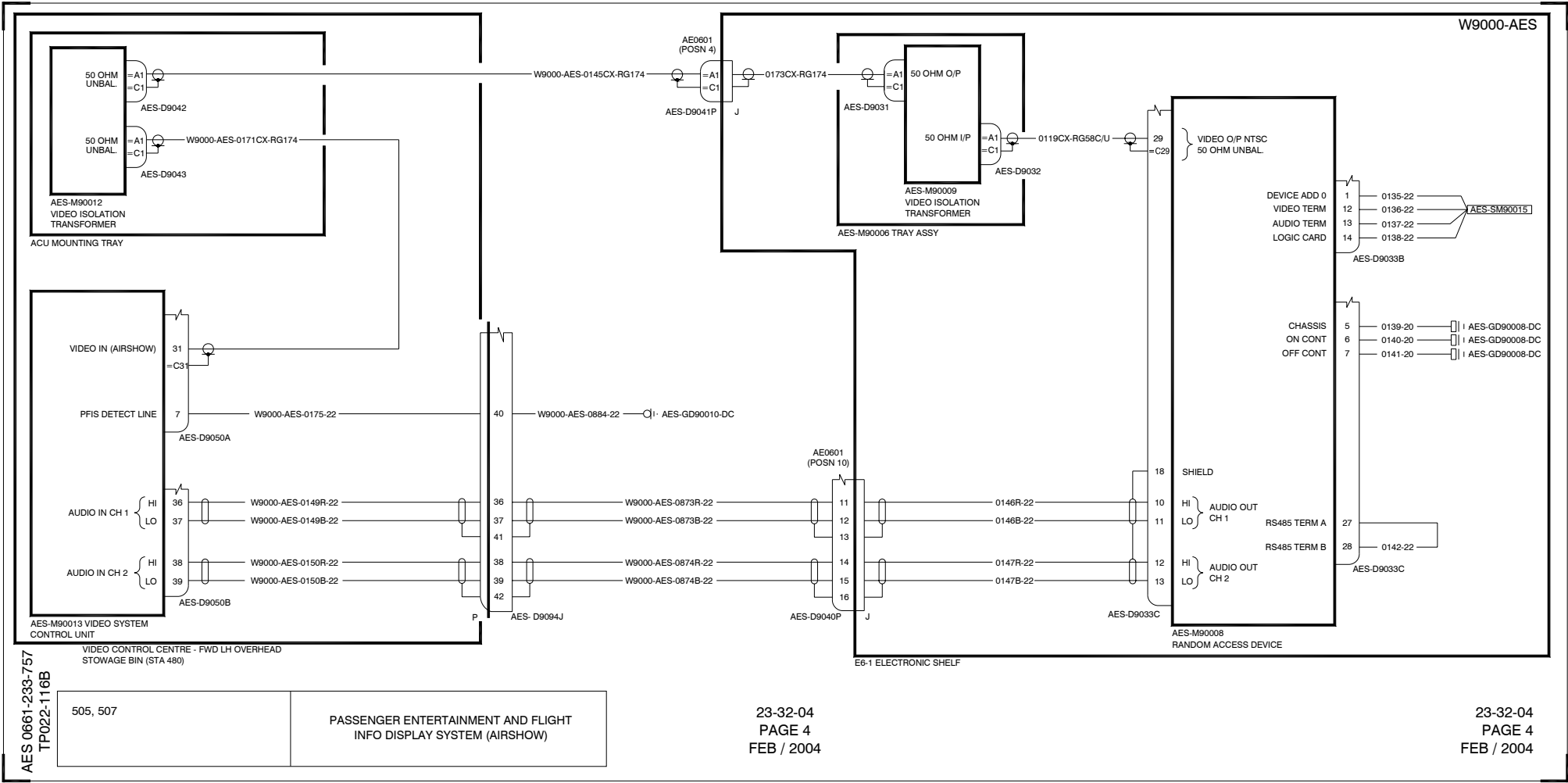


EFFECTIVITY

(AES-TP-0022)
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29944 (NT407)

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**INTRODUCTION OF THE
AIRSHOW SYSTEM**
AES modifications AE-757-088,
AES-757-123, AES-757-217 and AES-757-277
WIRING DIAGRAM MANUAL









EFFECTIVITY

(AES-TP-0022)
29942 (NT405)
29944 (NT407)

WM SUPP - 23-32-04

LEGEND USED ON WIRING DIAGRAMS

	NEW WIRE
	NEW ROUTE OF EXISTING WIRE
	EXISTING WIRE
	DELETED WIRE OR FORMER ROUTE OF EXISTING WIRE
	CAPPED WIRE
	DENOTES REWORK OR CROSS REFERENCE INSTRUCTION # = NUMERALS

NOTES

1 > CROSS REFER TO AES W/D 23-32-03 PAGE 2 (AES-TP-0022).

2 > CROSS REFER TO AES W/D 23-32-01 PAGE 2A (AES-TP0019)

EFFECTIVITY

(AES-TP-0022)

27146 (NB506)
27147 (NB507),

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EFFECTIVITY

(AES-TP-0022)

27146 (NB506)

27147 (NB507)

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Publications Supplement*

*AES modifications AES-757-088,
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EFFECTIVITY

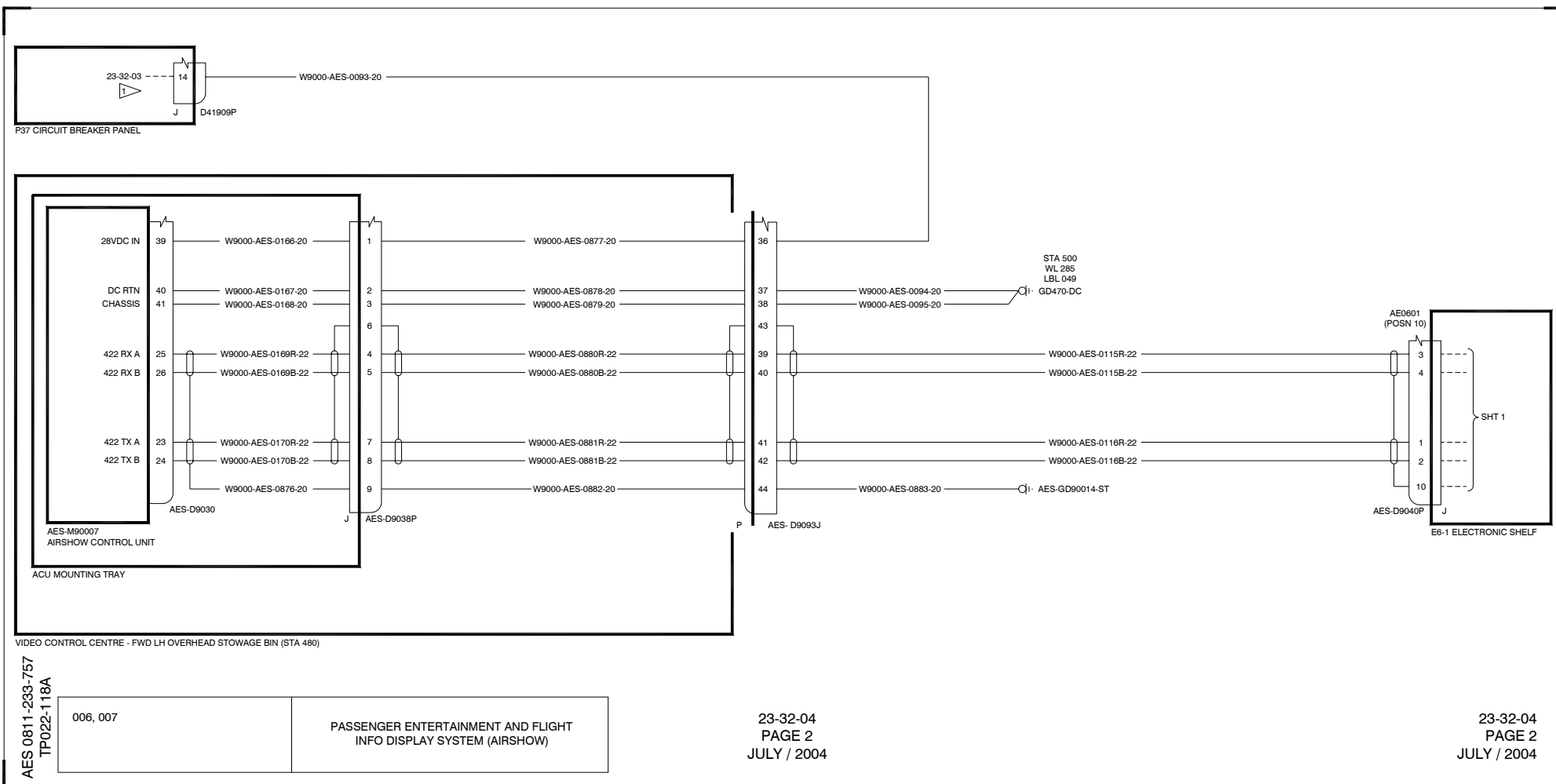
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EFFECTIVITY

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The diagram illustrates the electrical connections for the W9000-AES system. It is divided into three main sections: Power and Control, Video, and Audio.

- Power and Control:**
 - P37 CIRCUIT BREAKER PANEL:** Provides power to the system via terminals 50 and 52. Terminal 50 is connected to W9000-AES-0129-20, and terminal 52 is connected to W9000-AES-0130-20.
 - W9000-AES:** The central processing unit. It has two power input sections:
 - Top Section (AE0601 POSN 11):** Receives power from W9000-AES-0129-20 and W9000-AES-0130-20. It outputs 0131-20 and 0132-20 to the power distribution panel.
 - Bottom Section (AE0601 POSN 10):** Receives power from W9000-AES-0143-20. It outputs 0133-20 to the power distribution panel.
 - Power Distribution Panel:**
 - Terminals 1 and 3: 115VAC IN
 - Terminal 4: 28VDC IN
 - Terminal 2: 115VAC RTN
 - Terminal 4: DC RTN
- Video:**
 - VIDEO OUT - 1 (NTSC 3.58 50 OHM):** Connected to AES-D9029C.
 - VIDEO IN:** Connected to AES-D9033B via a 0120CX-RG58C/U cable.
- Audio:**
 - RAD CONT BUS (ARINC 485 ASLAN PORT):** Connected to AES-D9029B via a 0122-22 cable.
 - AUDIO OUT:** Connected to AES-D9029A via a 0124-22 cable.
 - AUDIO IN:** Connected to AES-D9033B via a 0128-22 cable.
- Other Components:**
 - AES-M90006 DIU:** Data Input Unit.
 - AES-M90008 RANDOM ACCESS DEVICE:** Storage device.
 - AES-SM90013 and AES-SM90014:** Signal modules connected to the audio input lines.

EFFECTIVITY

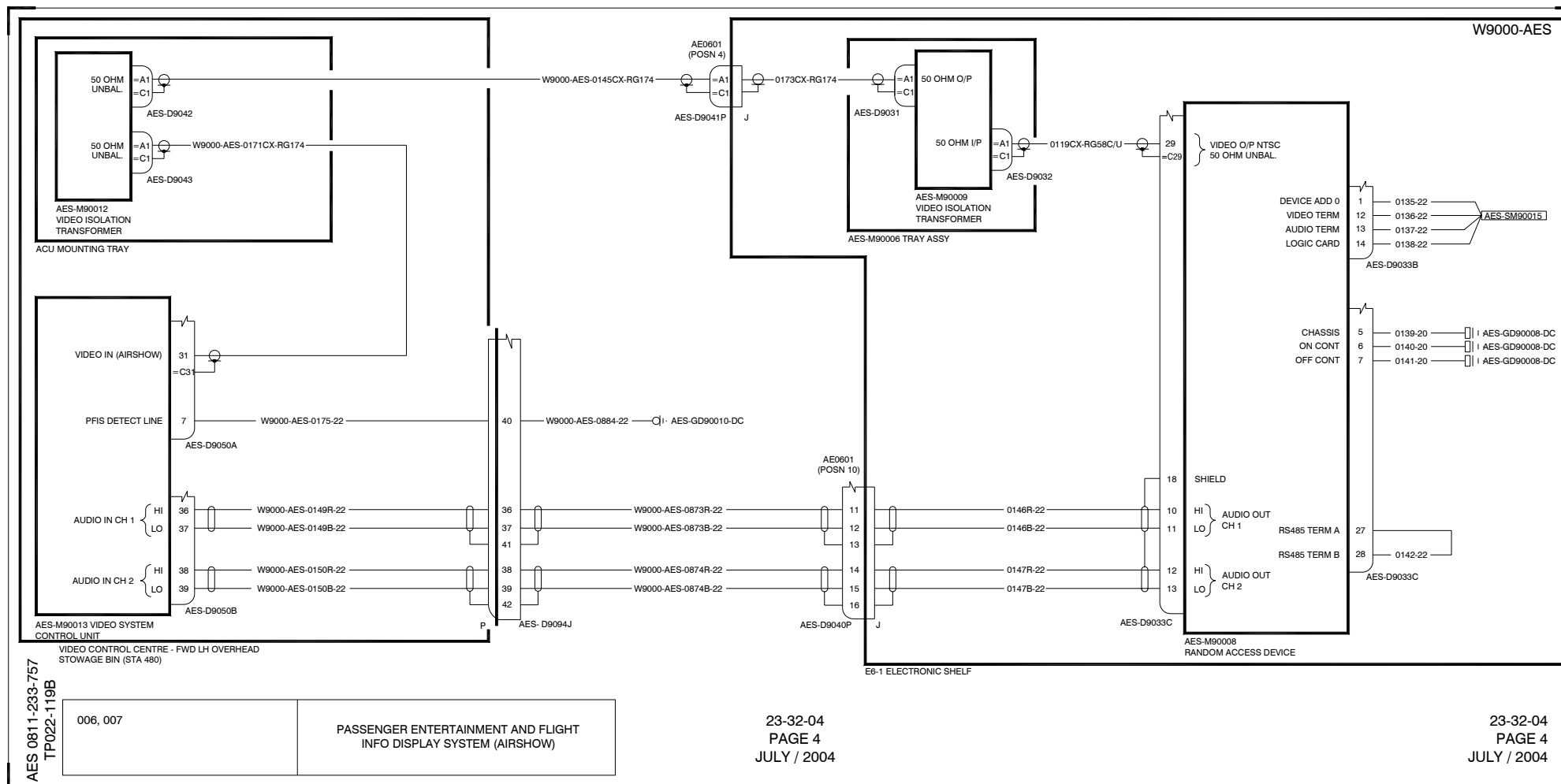
(AES-TP-0022)

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



EFFECTIVITY

(AES-TP-0022)

27146 (NB506)

27147 (NB507)

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LEGEND USED ON WIRING DIAGRAMS	
	NEW WIRE
	NEW ROUTE OF EXISTING WIRE
	EXISTING WIRE
	DELETED WIRE OR FORMER ROUTE OF EXISTING WIRE
	CAPPED WIRE
	DENOTES REWORK OR CROSS REFERENCE INSTRUCTION # = NUMERALS

NOTES

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EFFECTIVITY

(AES-TP-0022)

29941 (NT404)

29943 (NT406)

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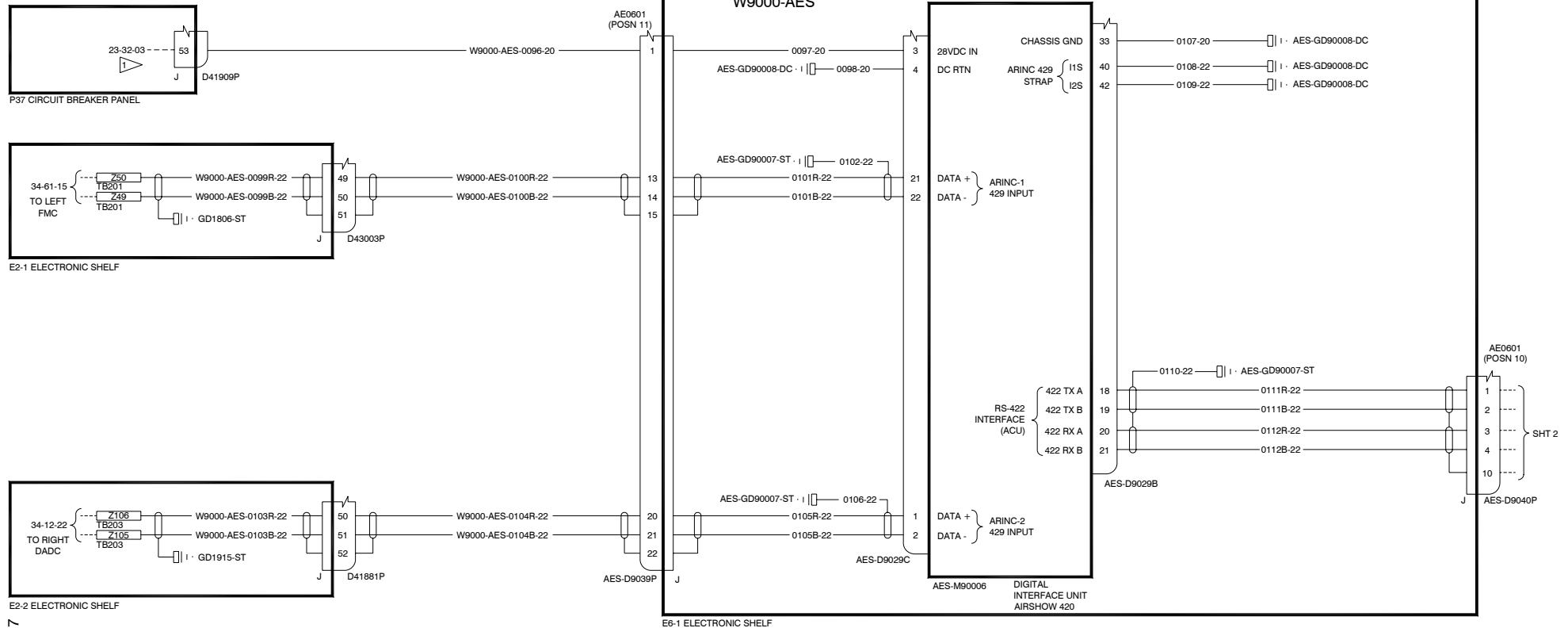
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*Technical
Publications Supplement*

INTRODUCTION OF THE AIRSHOW SYSTEM

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(AES-TP-0022)

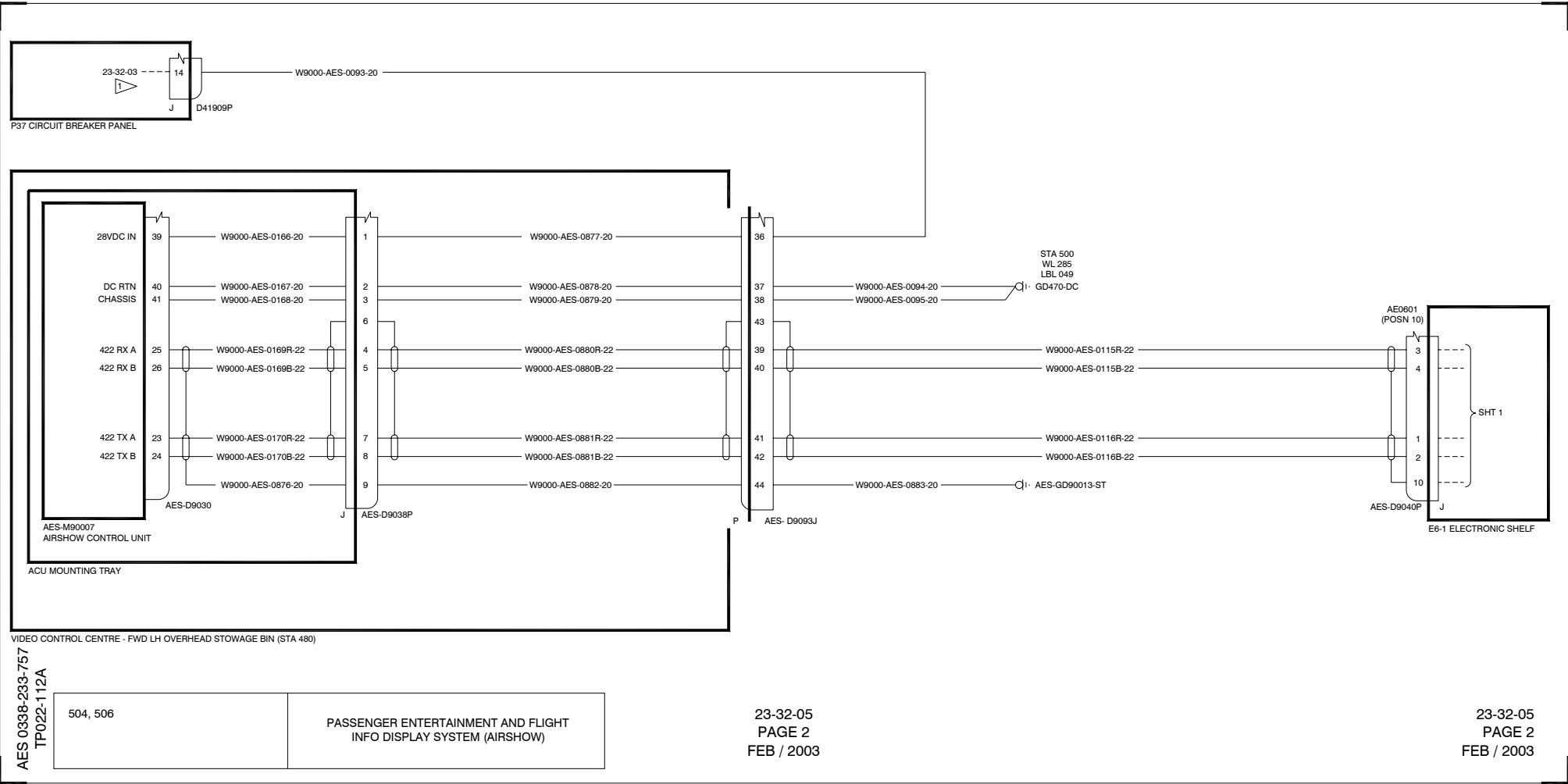
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WM SUPP - 23-32-05

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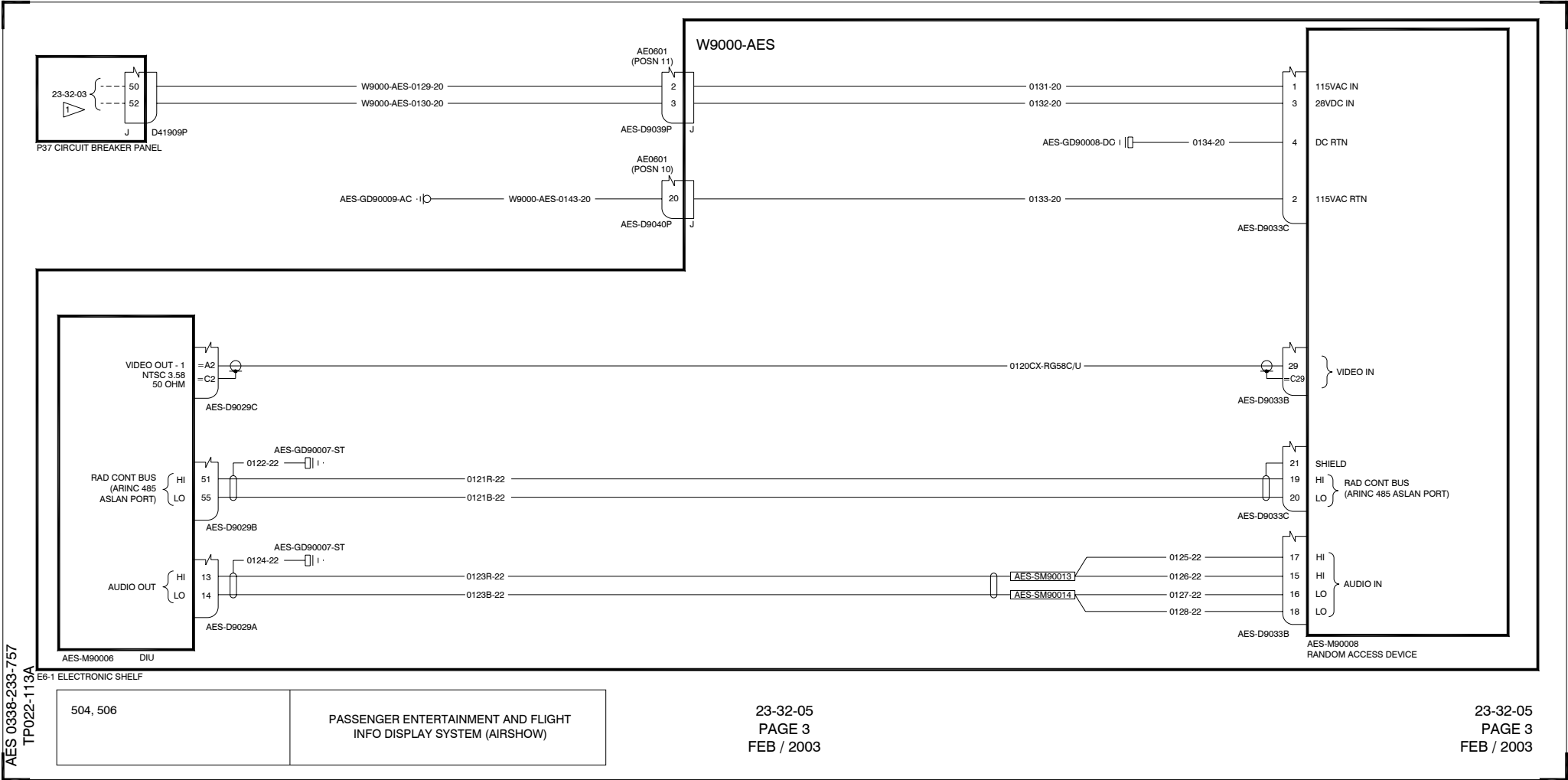


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(AES-TP-0022)

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29943 (NT406)

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0EFFECTIVITY

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MANUAL UPDATE
757-200
757-300

REFERENCE ONLY

AIRWORKS
COCKPIT DOOR SURVEILLANCE
SYSTEM (CDSS)
INSTALLATION

WIRING DIAGRAM MANUAL
SUPPLEMENT

DOC. NO.: WDM230018
FAA PROJECT NO.: ST10129LA-T

REVISION D
MAY 10, 2004

757-200/300
WIRING DIAGRAM MANUAL SUPPLEMENT

REVISION RECORD

Retain this record in front of the manual. Upon receipt of a revision, insert the revised pages in the manual; enter the revision number, date filed, and initial.

REVISION NUMBER	REVISION DATE	DATE FILED	BY
Initial Release	Nov 01, 2002	Nov 01, 2002	AirWorks
Revision A	Dec 13, 2002	Dec 13, 2002	AirWorks
Revision B	Jan 25, 2003	Jan 25, 2003	AirWorks
Revision C	Sep 10, 2003	Sep 10, 2003	AirWorks
Revision D	May 10, 2004	May 10, 2004	AirWorks

TEMPORARY REVISION RECORD

TEMPORARY REVISION NUMBER	DATE	DATE OF INCORPORATION INTO MANUAL

SERVICE BULLETIN LIST

SERVICE BULLETIN	DATE	TITLE	DATE OF INCORPORATION INTO MANUAL

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REVISION RECORD

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WIRING DIAGRAM MANUAL SUPPLEMENT

LIST OF EFFECTIVE PAGES

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Revision Record	1		May 10/04				
List of Effective Pages	1		May 10/04				
Introduction	1		May 10/04				
23-81-00	1	1	May 10/04				
	2	1	May 10/04				
Wire List	1		May 10/04				
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	5		May 10/04				
Hook-Up Chart	1		May 10/04				
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	5		May 10/04				
Ground Stud List	1		May 10/04				
Circuit Breaker List	1		May 10/04				
Equipment List	1		May 10/04				
	2		May 10/04				

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757-200/300
WIRING DIAGRAM MANUAL SUPPLEMENT

INTRODUCTION

1. Purpose **REFERENCE ONLY**

This publication is a supplement to the airplane Wiring Diagram Manual and pertains only to the installation and assemblies of the AirWorks Cockpit Door Surveillance System (CDSS) Installation.

2. Related Publications

This publication is one of three pertaining to the AirWorks Cockpit Door Surveillance System (CDSS) Installation. The other manuals are:

- A. Illustrated Parts Catalog
- B. Maintenance Manual Supplement

The three publications must be used together to effectively maintain the Cockpit Door Surveillance System (CDSS) in satisfactory functional condition.

3. Scope

This publication and the two related publications pertain only to the installation of the new AirWorks Cockpit Door Surveillance System (CDSS).

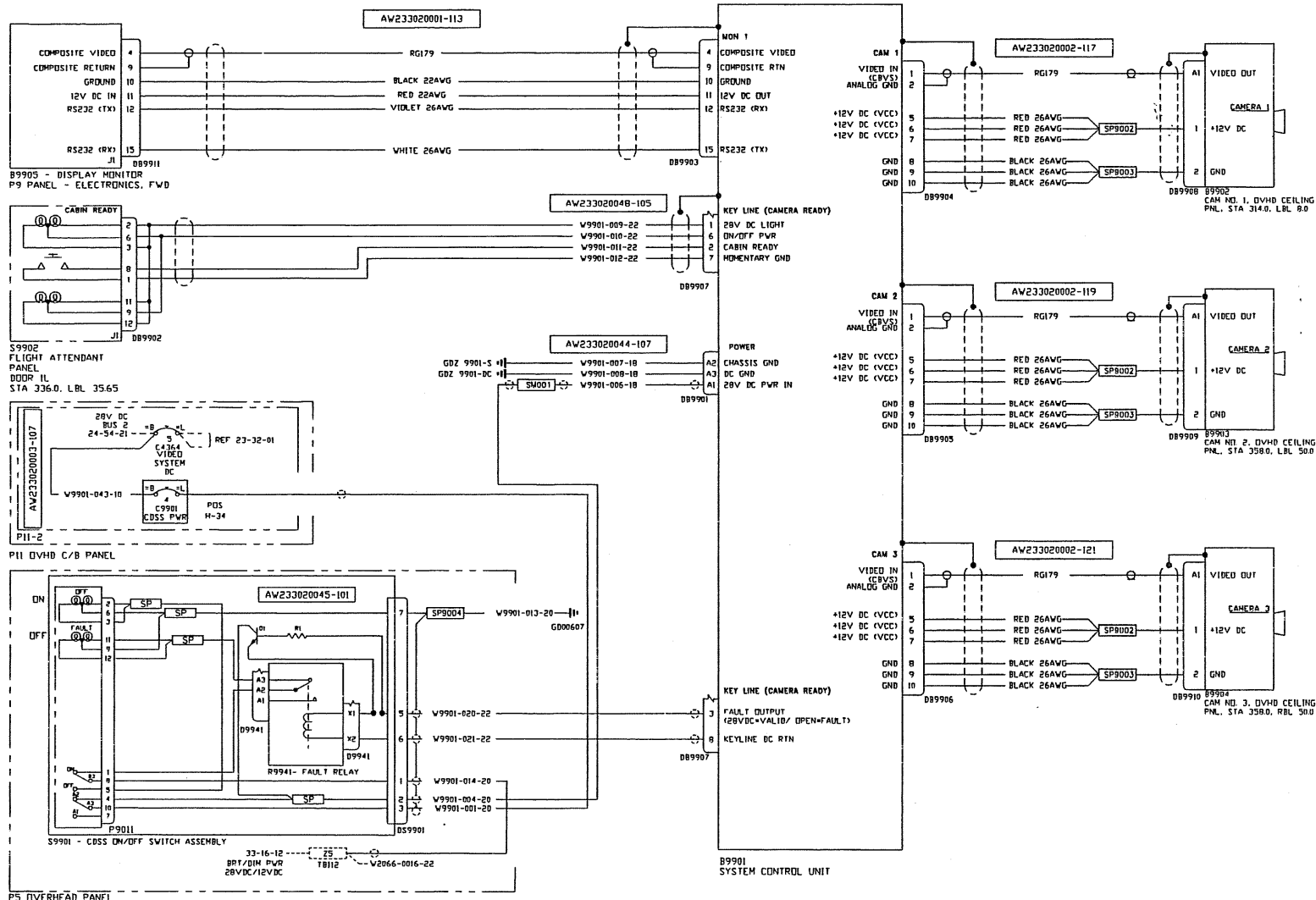
4. Contents

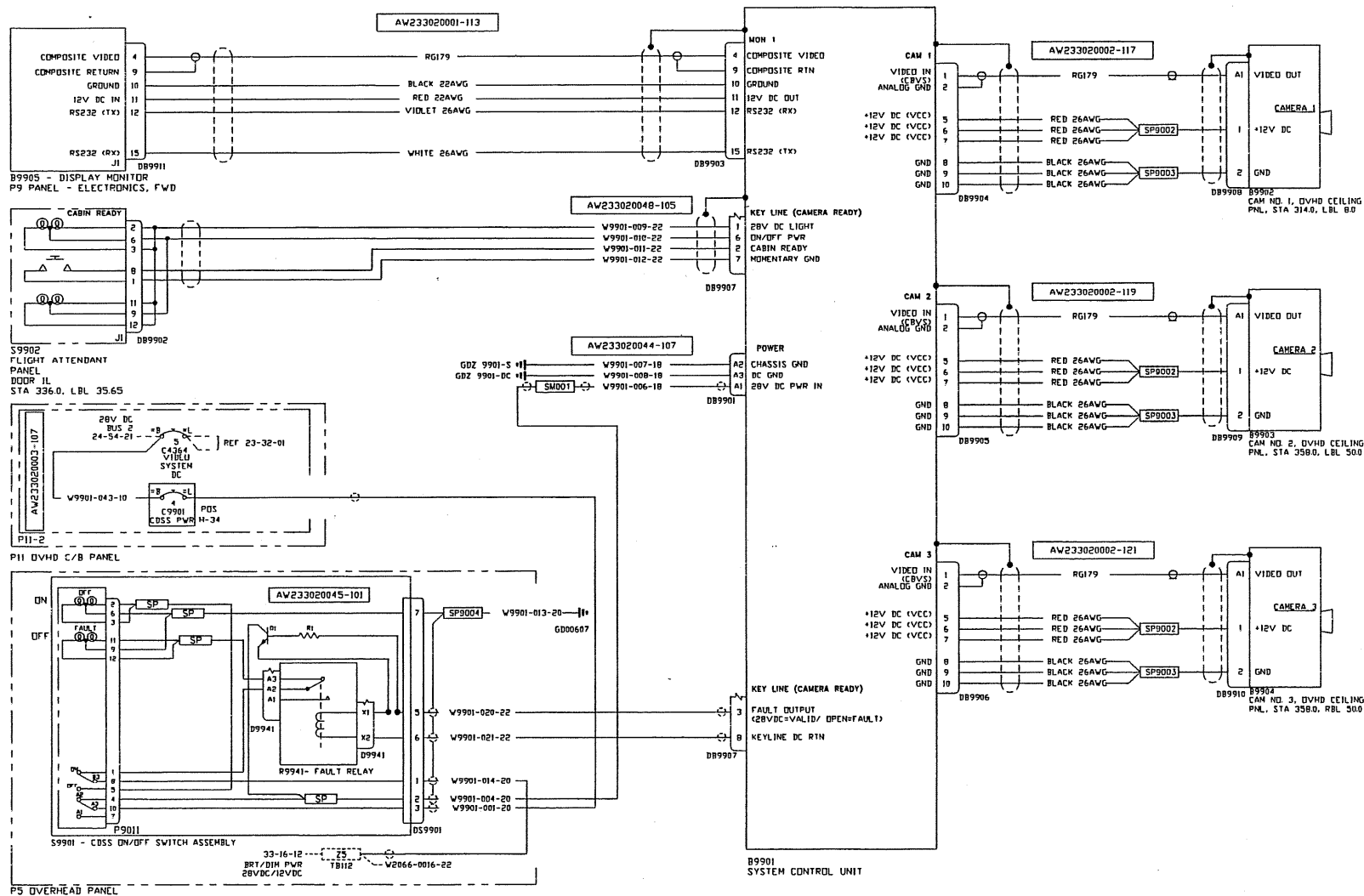
This publication consists of a front matter, introduction (this section), and the wiring diagram of the new AirWorks Cockpit Door Surveillance System (CDSS).

5. Effectivity

This Wiring Diagram Manual Supplement applies to all 757-200/-300 airplanes.

INTRODUCTION





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WIRING DIAGRAM MANUAL SUPPLEMENT

WIRE LIST - AIRWORKS CDSS SYSTEM

WIRE NO.	LENGTH FT - IN	DIAGRAM NO.	FROM EQUIP.	PIN TY SP	TO EQUIP.	PIN TY SP	EFFECTIVITY (757-200/300)
AW233020001-113 / RG179	42-1	23-81-00	DB9903	4	DB9911	4	
AW233020001-113 / BLACK / 22AWG	42-1	23-81-00	DB9903	10	DB9911	10	
AW233020001-113 / RED / 22AWG	42-1	23-81-00	DB9903	11	DB9911	11	
AW233020001-113 / VIOLET / 26AWG	42-1	23-81-00	DB9903	12	DB9911	12	
AW233020001-113 / WHITE / 26AWG	42-1	23-81-00	DB9903	15	DB9911	15	
AW233020002-117 / RG179	15-0	23-81-00	DB9904	1	DB9908	A1	
AW233020002-117 / RED / 26AWG	15-0	23-81-00	DB9904	5	SP9002		
AW233020002-117 / RED / 26AWG	15-0	23-81-00	DB9904	6	SP9002		
AW233020002-117 / RED / 26AWG	15-0	23-81-00	DB9904	7	SP9002		

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WIRING DIAGRAM MANUAL SUPPLEMENT

WIRE LIST – AIRWORKS CDSS SYSTEM

WIRE NO.	LENGTH FT - IN	DIAGRAM NO.	FROM EQUIP.	PIN TY SP	TO EQUIP.	PIN TY SP	EFFECTIVITY (757-200/300)
AW233020002-117 / BLACK / 26AWG	15-0	23-81-00	DB9904	8	SP9003		
AW233020002-117 / BLACK / 26AWG	15-0	23-81-00	DB9904	9	SP9003		
AW233020002-117 / BLACK / 26AWG	15-0	23-81-00	DB9904	10	SP9003		
AW233020002-119 / RG179	12-1	23-81-00	DB9905	1	DB9909	A1	
AW233020002-119 / RED / 26AWG	12-1	23-81-00	DB9905	5	SP9002		
AW233020002-119 / RED / 26AWG	12-1	23-81-00	DB9905	6	SP9002		
AW233020002-119 / RED / 26AWG	12-1	23-81-00	DB9905	7	SP9002		
AW233020002-119 / BLACK / 26AWG	12-1	23-81-00	DB9905	8	SP9003		
AW233020002-119 / BLACK / 26AWG	12-1	23-81-00	DB9905	9	SP9003		

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WIRING DIAGRAM MANUAL SUPPLEMENT

WIRE LIST – AIRWORKS CDSS SYSTEM

WIRE NO.	LENGTH FT - IN	DIAGRAM NO.	FROM EQUIP.	PIN TY SP	TO EQUIP.	PIN TY SP	EFFECTIVITY (757-200/300)
AW233020002-119 / BLACK / 26AWG	12-1	23-81-00	DB9905	10	SP9003		
AW233020002-121 / RG179	13-4	23-81-00	DB9906	1	DB9910	A1	
AW233020002-121 / RED / 26AWG	13-4	23-81-00	DB9906	5	SP9002		
AW233020002-121 / RED / 26AWG	13-4	23-81-00	DB9906	6	SP9002		
AW233020002-121 / RED / 26AWG	13-4	23-81-00	DB9906	7	SP9002		
AW233020002-121 / BLACK / 26AWG	13-4	23-81-00	DB9906	8	SP9003		
AW233020002-121 / BLACK / 26AWG	13-4	23-81-00	DB9906	9	SP9003		
AW233020002-121 / BLACK / 26AWG	13-4	23-81-00	DB9906	10	SP9003		
AW233020003-107 / W9001-043-10	1-0	23-81-00	C4364	=B	C9901	=B	

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WIRING DIAGRAM MANUAL SUPPLEMENT

WIRE LIST – AIRWORKS CDSS SYSTEM

WIRE NO.	LENGTH FT - IN	DIAGRAM NO.	FROM EQUIP.	PIN TY SP	TO EQUIP.	PIN TY SP	EFFECTIVITY (757-200/300)
AW233020044-107 / W9901-001-20	25-0	23-81-00	DS9901	3	C9901	=L	
AW233020044-107 / W9901-004-20	17-11	23-81-00	DS9901	2	SM001		
AW233020044-107 / W9901-006-18	17-11	23-81-00	SM001		DB9901	A1	
AW233020044-107 / W9901-007-18	4-0	23-81-00	DB9901	A2	GDZ9901-S		
AW233020044-107 / W9901-008-18	4-0	23-81-00	DB9901	A3	GDZ9901-DC		
AW233020044-107 / W9901-013-20	25-0	23-81-00	DS9901	7	GD00607		
AW233020044-107 / W9901-014-20	25-0	23-81-00	DS9901	1	TB112	Z5	
AW233020044-107 / W9901-020-22	17-11	23-81-00	DS9901	5	DB9907	3	
AW233020044-107 / W9901-021-22	17-11	23-81-00	DS9901	6	DB9907	8	
AW233020048-105 / W9901-009-22	16-8	23-81-00	DB9907	1	DB9902	2	
AW233020048-105 / W9901-010-22	16-8	23-81-00	DB9907	6	DB9902	6	

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WIRE LIST – AIRWORKS CDSS SYSTEM

WIRE NO.	LENGTH FT - IN	DIAGRAM NO.	FROM EQUIP.	PIN TY SP	TO EQUIP.	PIN TY SP	EFFECTIVITY (757-200/300)
AW233020048-105 / W9901-011-22	16-8	23-81-00	DB9907	2	DB9902	8	
AW233020048-105 / W9901-012-22	16-8	23-81-00	DB9907	7	DB9902	1	

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WIRING DIAGRAM MANUAL SUPPLEMENT

HOOK-UP CHARTS ADDENDUM – AIRWORKS CDSS SYSTEM

ITEM NO.	PIN	WIRE NO.	TT	DIAGRAM NO.	EFFECTIVITY (757-200/300)
DB9901	A1	AW233020044-107 / W9901-006-18		23-81-00	
DB9901	A2	AW233020044-107 / W9901-007-18		23-81-00	
DB9901	A3	AW233020044-107 / W9901-008-18		23-81-00	
DB9902	2	AW233010048-105 / W9901-009-22		23-81-00	
DB9902	6	AW233010048-105 / W9901-010-22		23-81-00	
DB9902	8	AW233010048-105 / W9901-011-22		23-81-00	
DB9902	1	AW233010048-105 / W9901-012-22		23-81-00	
DB9903	4	AW233020001-113 / RG179		23-81-00	
DB9903	10	AW233020001-113 / BLACK / 22AWG		23-81-00	
DB9903	11	AW233020001-113 / RED / 22AWG		23-81-00	
DB9903	12	AW233020001-113 / VIOLET / 26AWG		23-81-00	
DB9903	15	AW233020001-113 / WHITE / 26AWG		23-81-00	
DB9904	1	AW233020002-117 / RG179		23-81-00	

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WIRING DIAGRAM MANUAL SUPPLEMENT

HOOK-UP CHARTS ADDENDUM – AIRWORKS CDSS SYSTEM

ITEM NO.	PIN	WIRE NO.	TT	DIAGRAM NO.	EFFECTIVITY (757-200/300)
DB9904	5	AW233020002-117 / RED / 26AWG		23-81-00	
DB9904	6	AW233020002-117 / RED / 26AWG		23-81-00	
DB9904	7	AW233020002-117 / RED / 26AWG		23-81-00	
DB9904	8	AW233020002-117 / BLACK / 26AWG		23-81-00	
DB9904	9	AW233020002-117 / BLACK / 26AWG		23-81-00	
DB9904	10	AW233020002-117 / BLACK / 26AWG		23-81-00	
DB9905	1	AW233020002-119 / RG179		23-81-00	
DB9905	5	AW233020002-119 / RED / 26AWG		23-81-00	
DB9905	6	AW233020002-119 / RED / 26AWG		23-81-00	
DB9905	7	AW233020002-119 / RED / 26AWG		23-81-00	
DB9905	8	AW233020002-119 / BLACK / 26AWG		23-81-00	
DB9905	9	AW233020002-119 / BLACK / 26AWG		23-81-00	
DB9905	10	AW233020002-119 / BLACK / 26AWG		23-81-00	

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WIRING DIAGRAM MANUAL SUPPLEMENT

HOOK-UP CHARTS ADDENDUM – AIRWORKS CDSS SYSTEM

ITEM NO.	PIN	WIRE NO.	TT	DIAGRAM NO.	EFFECTIVITY (757-200/300)
DB9906	1	AW233020002-121 / RG179		23-81-00	
DB9906	5	AW233020002-121 / RED / 26AWG		23-81-00	
DB9906	6	AW233020002-121 / RED / 26AWG		23-81-00	
DB9906	7	AW233020002-121 / RED / 26AWG		23-81-00	
DB9906	8	AW233020002-121 / BLACK / 26AWG		23-81-00	
DB9906	9	AW233020002-121 / BLACK / 26AWG		23-81-00	
DB9906	10	AW233020002-121 / BLACK / 26AWG		23-81-00	
DB9907	1	AW233020048-105 / W9901-009-22		23-81-00	
DB9907	6	AW233020048-105 / W9901-010-22		23-81-00	
DB9907	2	AW233020048-105 / W9901-011-22		23-81-00	
DB9907	7	AW233020048-105 / W9901-012-22		23-81-00	
DB9907	3	AW233020044-107 / W9901-020-22		23-81-00	
DB9907	8	AW233020044-107 / W9901-021-22		23-81-00	

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WIRING DIAGRAM MANUAL SUPPLEMENT

HOOK-UP CHARTS ADDENDUM – AIRWORKS CDSS SYSTEM

ITEM NO.	PIN	WIRE NO.	TT	DIAGRAM NO.	EFFECTIVITY (757-200/300)
DB9908	A1	AW233020002-117 / RG179		23-81-00	
DB9909	A1	AW233020002-119 / RG179		23-81-00	
DB9910	A1	AW233020002-119 / RG179		23-81-00	
DB9911	4	AW233020001-113 / RG179		23-81-00	
DB9911	10	AW233020001-113 / BLACK / 22AWG		23-81-00	
DB9911	11	AW233020001-113 / RED / 22AWG		23-81-00	
DB9911	12	AW233020001-113 / VIOLET / 26AWG		23-81-00	
DB9911	15	AW233020001-113 / WHITE / 26AWG		23-81-00	
DS9901	1	AW233020044-107 / W9901-014-20		23-81-00	
DS9901	2	AW233020044-107 / W9901-004-20		23-81-00	
DS9901	3	AW233020044-107 / W9901-001-20		23-81-00	
DS9901	5	AW233020044-107 / W9901-020-22		23-81-00	
DS9901	6	AW233020044-107 / W9901-021-22		23-81-00	

REFERENCE ONLY

757-200/300

WIRING DIAGRAM MANUAL SUPPLEMENT

HOOK-UP CHARTS ADDENDUM – AIRWORKS CDSS SYSTEM

ITEM NO.	PIN	WIRE NO.	TT	DIAGRAM NO.	EFFECTIVITY (757-200/300)
DS9901	7	AW233020044-107 / W9901-013-20		23-81-00	
C9901	=B	AW233020003-107 / W9001-043-10		23-81-00	
C9901	=L	AW233020044-107 / W9901-001-20		23-81-00	
SM001		AW233020044-107 / W9901-004-20		23-81-00	
SM001		AW233020044-107 / W9901-006-18		23-81-00	
SP9002		AW233020002-117 / RED / 26AWG		23-81-00	
SP9002		AW233020002-117 / RED / 26AWG		23-81-00	
SP9002		AW233020002-117 / RED / 26AWG		23-81-00	
SP9002		AW233020002-119 / RED / 26AWG		23-81-00	
SP9002		AW233020002-119 / RED / 26AWG		23-81-00	
SP9002		AW233020002-119 / RED / 26AWG		23-81-00	
SP9002		AW233020002-121 / RED / 26AWG		23-81-00	
SP9002		AW233020002-121 / RED / 26AWG		23-81-00	

REFERENCE ONLY

757-200/300
WIRING DIAGRAM MANUAL SUPPLEMENT

HOOK-UP CHARTS ADDENDUM – AIRWORKS CDSS SYSTEM

ITEM NO.	PIN	WIRE NO.	TT	DIAGRAM NO.	EFFECTIVITY (757-200/300)
SP9002		AW233020002-121 / RED / 26AWG		23-81-00	
SP9003		AW233020002-117 / BLACK / 26AWG		23-81-00	
SP9003		AW233020002-117 / BLACK / 26AWG		23-81-00	
SP9003		AW233020002-117 / BLACK / 26AWG		23-81-00	
SP9003		AW233020002-119 / BLACK / 26AWG		23-81-00	
SP9003		AW233020002-119 / BLACK / 26AWG		23-81-00	
SP9003		AW233020002-119 / BLACK / 26AWG		23-81-00	
SP9003		AW233020002-121 / BLACK / 26AWG		23-81-00	
SP9003		AW233020002-121 / BLACK / 26AWG		23-81-00	
SP9003		AW233020002-121 / BLACK / 26AWG		23-81-00	

REFERENCE ONLY

757-200/300
WIRING DIAGRAM MANUAL SUPPLEMENT

GROUND STUD LIST ADDENDUM – AIRWORKS CDSS SYSTEM

GROUND STUD NO.	EFFECTIVITY	WIRE NO.	TT	DIAGRAM NO.	GRD - TYP
GDZ 9901-S		AW233020044-107 / W9901-007-18		23-81-00	CHASSIS
GDZ 9901-DC		AW233020044-107 / W9901-008-18		23-81-00	DC
GD00607		AW233020044-107 / W9901-013-20		23-81-00	DC

REFERENCE ONLY

757-200/300
WIRING DIAGRAM MANUAL SUPPLEMENT

CIRCUIT BREAKER LIST ADDENDUM – AIRWORKS CDSS SYSTEM

PANEL NO.	GRID NO.	CIRCUIT BREAKER	DESCRIPTION	DIAGRAM NO.
P11-2		C9901	CDSS SYSTEM – C/B POWER	23-81-00

REFERENCE ONLY

757-200/300

WIRING DIAGRAM MANUAL SUPPLEMENT

EQUIPMENT LIST ADDENDUM – AIRWORKS CDSS SYSTEM

EQUIP NO.	PART DESCRIPTION	PART NO.	VENDER CODE	QTY	EFFECTIVITY
DB9901	PLUG, SYSTEM CONTROL UNIT	DAM3W3SA197	AMP	1	
DB9903	PLUG, SYSTEM CONTROL UNIT	M24308/4-11		1	
DB9904	RJ-57 PLUG, SYSTEM CONTROL UNIT	5-557963-3		1	
DB9905	RJ-57 PLUG, SYSTEM CONTROL UNIT	5-557963-3		1	
DB9906	RJ-57 PLUG, SYSTEM CONTROL UNIT	5-557963-3		1	
DB9907	PLUG, SYSTEM CONTROL UNIT	M24308/4-259		1	
DB9911	PLUG, MONITOR	M24308/4-11		1	
DB9908	PLUG, CAMERA NO. 1	DEM5W1SA197	AMP	1	
DB9909	PLUG, CAMERA NO. 2	DEM5W1SA197	AMP	1	
DB9910	PLUG, CAMERA NO. 3	DEM5W1SA197	AMP	1	
DS9901	PLUG, ON-OFF SWITCH	MS24266R12B12SN		1	
C9901	CIRCUIT BREAKER, 4.0A	MS3320-4		1	
B9901	SYSTEM CONTROL UNIT	AW233050001-101	AIRWORKS	1	


REFERENCE ONLY

757-200/300
WIRING DIAGRAM MANUAL SUPPLEMENT

EQUIPMENT LIST ADDENDUM – AIRWORKS CDSS SYSTEM

EQUIP NO.	PART DESCRIPTION	PART NO.	VENDER CODE	QTY	EFFECTIVITY
B9905	CDSS MONITOR	AW233030001-101	AIRWORKS	1	
B9902	CAMERA NO. 1	AW233030006-103	AIRWORKS	1	
B9903	CAMERA NO. 2	AW233030006-103	AIRWORKS	1	
B9904	CAMERA NO. 3	AW233030006-103	AIRWORKS	1	
S9901	ON-OFF SWITCH ASSY	30248-002	81590	1	
S9902	CABIN READY SWITCH	30248-001	81590	1	
R9941	FAULT RELAY	X-D4A	58657	1	

REFERENCE ONLY

 www.aesglobal.com EUROPEAN AVIATION SAFETY AGENCY PART21 APPR: EASA.21J.036	MODIFICATION TITLE: INTRODUCTION OF FIXED ELT'S ON FCA B757 FLEET			MODIFICATION No. AES-757-416 PT A, B & C ISSUE 1 Page 1 of 8			
	A/C TYPE:. B757 A/C VARIANT: -200 A/C REG:. SEE SECTION 2 A/C SERIAL No:. SEE SECTION 2						
Retro. Action: SEE SHT. YES/NO Project No.: 0396	Certificate of Airworthiness Category: LARGE AEROPLANE Performance Group: TURBINE JET			EASA Class: MAJOR/MINOR ATA: 23			
Reason for Modification: TO SUIT THE OPERATORS REQUIREMENTS (FIRST CHOICE AIRWAYS Ltd)				Reports: AES-TR-0110 AES-SR-0028			
WEIGHT CHANGE SEE SECTION 5.5.1	ELECTRICAL LOAD SEE SECTION 5.5.2	NOISE SEE SECTION 5.3.1	DOCUMENTS SEE SECTION 11.0				
<p align="center">DECLARATION OF COMPLIANCE</p> <p align="center">I hereby certify that this modification defines all the changes associated with this certificate.</p> <p align="center">The technical information contained in this document has been approved under the authority of EASA Design Organisation Approval No EASA.21J.036.</p> <p align="center">I further certify that, with the exceptions listed below, the design of this modification complies with the requirements specified by the Agency as the certification basis for this type of aircraft and environmental protection requirements together with any additional requirements notified by the Agency in respect of the particular modification.</p> <p align="center">EXCEPTIONS</p> <p align="center">NONE</p>							
APPROVAL STATUS COMPLETE/INCOMPLETE (see section 10)				CAA STC No.: EASA STC No.: NOT APPLICABLE			
ISSUE	1						
DRN No.	1368						
APPROVAL DATE	21/09/05						
ISSUE	RAISE ISSUE DETAIL					SHEETS AFFECTED	
1	NEW ISSUE						
ISSUE	DATE	COMPILED	CVE / APP STRUCTURES	CVE / APP DESIGN	CVE / APP SYSTEMS	DOCUMENTS AFFECTED	SEE SHT
1	03/08/05	B MANDALIA	M EVANS	A DOLBY	A HEISSIG	MMEL	
						MAINT MANUAL	5
						WDM	5
						REPAIR MANUAL	
						FLIGHT MANUAL	
						CREW MANUAL	
						MAINT. SCHEDULE	
						PART CATALOGUE	5
						* OPERATORS RESPONSIBILITY	

DETAILS OF MODIFICATION

1.0 Introduction

- 1.1 This modification introduces a three frequency fixed automatically activated Emergency Locator Transmitter (ELT) System, consisting of an ELT transmitter, a remote flight deck panel and a transmitting Antenna installed on the fuselage.
- 1.2 This modification is written in three parts A, B & C to facilitate engineering planning. Part A of this modification facilitates manufacture of the associated ELT coding wiring kits. Part B of this modification facilitates the structural installation of the fixed ELT system, including the ELT Antenna installation. Part C of this modification facilitates the electrical installation of the fixed ELT system
- 1.3 Part B of this modification must be embodied prior to or concurrently with Part C of this modification.

2.0 Modification Definition

- 2.1 This modification is applicable to the following aircraft:

NOTE: Registrations shown in brackets [] represent sub-lease registrations.

<u>A/C REG</u>	<u>A/C S/N</u>	<u>A/C VAR</u>	<u>A/C TYPE</u>
G-OOOC [C-FDTV]	24017	NA443	B757-28A
G-OOBB [C-GTBB]	32447	NT246	B757-28A
G-OOBA [C-GUBA]	32446	NT245	B757-28A
G-CPEP	25268	NB322	B757-2YO
G-CPEU [C-FLEU]	29941	NT404	B757-236
G-CPEV	29943	NT406	B757-236
G-OOBG [C-FUBG]	29942	NT405	B757-236
G-OOBH [C-FOBH]	29944	NT407	B757-236
G-OOBI	27146	NB506	B757-2B7
G-OOBJ	27147	NB507	B757-2B7
G-OOOG	24292	NB134	B757-23A
G-OOOK [C-FLOK]	25054	NA346	B757-236
G-OOOX	26158	NB329	B757-2YO
G-OOOZ [C-GOOZ]	25593	NA352	B757-236

2.2 AES-757-416 Part A: ELT Kit Manufacture

2.2.1 The wiring component kit associated with Part C of this modification is manufactured in accordance with the instruction documents detailed in Section 11. These documents are not required for direct work on an aircraft and are shown herein for design traceability purposes only.

2.3 AES-757-416 Part B: Structural Installation

2.3.1 Part B of this modification facilitates structural provision for the installation of an Antenna (P/N 2624-82) located at STA 1510, LBL 5, WL 307. Additional structure is introduced in the aircraft ceiling area at STA 1490 to allow mounting of the ELT Transmitter and Aircraft Identification Module (AIM) unit.

2.4 AES-757-416 Part C: Electrical Installation

2.4.1 The Honeywell Rescue 406(AF) ELT system is a self contained system consisting of a Transmitter Unit (P/N 1152682-1) installed at STA 1490, a Remote Panel (P/N 1153006-1) visible by the Flight Crew and installed in the P5 Overhead panel. An additional aircraft Identification Module (AIM) P/N 1152780-1 is connected to the ELT transmitter. The function of this module is to automatically download specific aircraft identification information into the Transmitter Unit in the form of an external shorting plug configured with the aircraft's 24-bit Mode-S address.

2.4.2 A wiring harness is used to connect the ELT transmitter with the Remote panel located in the Flight Deck.

2.5 Operation

2.5.1 The ELT system is an automatically Activated Transmitter to aid in search and rescue operations. The Transmitter Unit detects that a crash has occurred via activation of an internal G-switch and automatically transmits three separate output signals at 121.5MHz, 243MHz and 406MHz frequencies for reception by the CORPAS-SARSAT system of satellites and other ground based receiving stations. The ELT can also be remotely activated by the Flight Crew from the panel installed in the cockpit.

3.0 Approval Procedures

3.1 This modification certification/approval/validation has been carried out in accordance with EASA Part 21.

4.0 Basis of Certification/Validation/Approval

4.1 **Certification/Validation/Approval Basis For The Aircraft/Modification**

4.1.1 The certification basis of the aircraft (B757) is FAR 25 (state of design in U.S.A.) with Amendment 25-1 through 25-45 and additional amendments applicable as defined in the FAA TCDS A2NM Rev 24.

- 4.1.2 The design requirements addressed by this modification are detailed within AES Technical Report AES-TR-0110 and AES Stress Report AES-SR-0028.

4.2 Design Requirements For Certificate Of Airworthiness

- 4.2.1 Not Applicable.

4.3 Environmental Requirements

- 4.3.1 Aircraft Environmental requirements (Aircraft Noise) are detailed in ICAO Annex 16 Volume 1 Chapter 3 (for Subsonic Jet Aeroplanes with an initial C of A application between 6th Oct 1977 and 1st January 2006).)

- 4.3.2 Aircraft Environmental requirements (Aircraft Engine Emissions) are detailed in ICAO Annex 16 Volume II.

4.4 Design Requirements Associated With operational Approvals

- 4.4.1 The design requirements associated with Operational approvals, addressed by this modification are detailed within AES Technical Report AES-TR-0110.

5.0 Compliance with the Basis of Certification/Validation/Approval

5.1 Compliance with the Certification/Validation/Approval Basis for the Aircraft/Modification.

- 5.1.1 Embodiment of this modification does not affect the certification basis of the aircraft.
- 5.1.2 Refer to AES Technical Report Number AES-TR-0110 and AES Stress Report AES-SR-0028 for compliance with design requirements.

5.2 Compliance With Design Requirements For Certificate Of Airworthiness

- 5.2.1 Not Applicable.

5.3 Compliance with Environmental Requirements

- 5.3.1 Embodiment of this modification does not affect the existing noise certificate or environmental protection requirements.

5.4 Compliance with Design Requirements Associated with Operational Approvals

- 5.4.1 Refer to AES Technical Report Number AES-TR-0110 for compliance with design requirements associated with operational approvals.

5.5 Required (Amendments to) Manuals and other Documents Including Mandatory Placards.

5.5.1 Weight:

5.5.1.1 The weight increase attributable to the installation of the ELT antenna is approximately 2.3 kg at Fus. Station 1509.

5.5.1.2 The weight increase attributable to the ELT transmitter installation and associated structure is approximately 3.9 kg acting at Fus. Station 1493.

5.5.1.3 The increase in weight attributable to the cable harness installation between the ELT transmitter (Fus Station 1510) and the ELT remote panel (flight deck) is negligible.

5.5.1.4 It is the operator's responsibility to amend the weight and balance manual.

5.5.1.5 The Δ weight change is as follows:

Weight (kg)	Arm (in)	Moment Arm (kg.in)
(+) 6.2	1504.9	(+) 9330.38

5.5.2 The electrical load demand on the aircraft power generating system is negligible. The ELT unit is powered by it's own battery pack and is not connected to the aircraft's power generating system. The only connection is from the aircraft 5VAC lighting circuit for illumination of the remote panel lighted back panel.

5.5.3 Embodiment of this modification does not affect the Aircraft Flight Manual.

5.5.4 AMM, IPC, WDM manual supplements will be prepared for insertion into the operator's existing manuals. AES Transmittal Sheet No. 15 refers.

5.5.5 It is the responsibility of the operator to provide crew procedures for the use of the ELT.

5.5.6 Maintenance: Conduct an external zonal inspection at every '1C' check (18 months) and an internal zonal inspection at every '4C' check (72 months) in conjunction with the Boeing 757 Maintenance Planning Manual and the operator's current check cycle pattern. These inspections must include the existing structure and additional structure introduced for the ELT unit and the ELT Antenna.

6.0 Conditions Affecting This Approval

- 6.1 The compatibility of this modification, with other previously approved modifications installed on the particular aircraft, must be verified by the installer. Where the potential for interactions between modifications exists, the advice of the Design Organisation/Agency shall be sought.
- 6.2 It is the operator's responsibility to ensure that the ELT unit is coded in accordance with ICAO Annex 10 and registered with the National Agency responsible for initiating Search and Rescue.
- 6.3 It is the operator's responsibility to obtain the approval of Transport Canada when embodied on airplanes on the applicable registry.

7.0 Continued Airworthiness

- 7.1 The influence of the modification on Airworthiness Directive, Service Bulletin eligibility and other data must be considered and the publications monitored accordingly. The maintenance schedule for the aircraft should include reference to this material additional to the original design. Co-ordination is the responsibility of the operator.

8.0 Survey

- 8.1 No further survey required.

9.0 Authorisation of Release to Service

- 9.1 In addition to the actions required by the procedures for release to service following maintenance or modification, the following actions must be completed prior to signing the Certificate of Release to Service:
 - a) All actions and ground test procedures specified by the modification instructions must be completed satisfactorily.
 - b) It must be verified that the documents or amendments to documents, above are as specified, including any changes specified under Section 8 above.

10.0 Approval

- 10.1 This Minor modification AES-757-416 and related instructions has been approved under the authority of EASA Design Organisation Approval no. EASA.21J.036. Eligibility for introduction in the Minor category is as stated on MCA-AES-757-416.
- 10.2 Embodiment on airplanes registered in Canada requires the approval of Transport Canada.

11. **Documents Required**

11.1 **AES-757-416 Part A**

11.1.1 **New Documents Required:** [Associated document required for production purposes only]

THESE DOCUMENTS ARE NOT REQUIRED FOR DIRECT WORK ON AN AIRCRAFT AND ARE SHOWN HEREIN FOR DESIGN TRACEABILITY PURPOSES ONLY.

<u>Document Number</u>	<u>Issue</u>	<u>Title</u>
1154-232-757	3	ELT CODING PLUG
1160-232-757	2	ELT HARNESS MANUFACTURE
MEI-571	2	MANUFACTURE OF ELT ELECTRICAL KIT

11.2 **AES-757-416 Part B**

11.2.1 **New Documents Required:**

<u>Document Number</u>	<u>Issue</u>	<u>Title</u>
1190-232-757	1	INSTALLATION OF FIXED ELT
1191-232-757	1	INSTALLATION OF ELT ANTENNA
MEI-607	1	MECHANICAL INSTALLATION OF ELT AND ANTENNA

11.3 **AES-757-416 Part C**

11.3.1 **New Drawings Required:**

<u>Document Number</u>	<u>Issue</u>	<u>Title</u>
1156-232-757	2	W/D: INSTALLATION OF ELT WIRING
1200-113-757	3	ELT DECALS
1190-232-757	1	INSTALLATION OF FIXED ELT
MEI-559	1	ELECTRICAL INSTALLATION OF ELT SYSTEM

11.4 Additional Documents Required

11.4.1 Reports/Documents

<u>Document Number</u>	<u>Issue</u>	<u>Title</u>
AES-TR-0110	1	REGULATORY REQUIREMENT COMPLIANCE ASSOCIATED WITH THE INTRODUCTION OF FIXED AUTOMATIC EMERGENCY LOCATOR TRANSMITTERS (ELT'S)
AES-SR-0028	1	ELT & ANTENNA INSTALLATION B757-200
AES-OPS-SUPPLEMENT No. 2	1	EMERGENCY LOCATOR TRANSMITTER – OPS MANUAL SUPPLEMENT

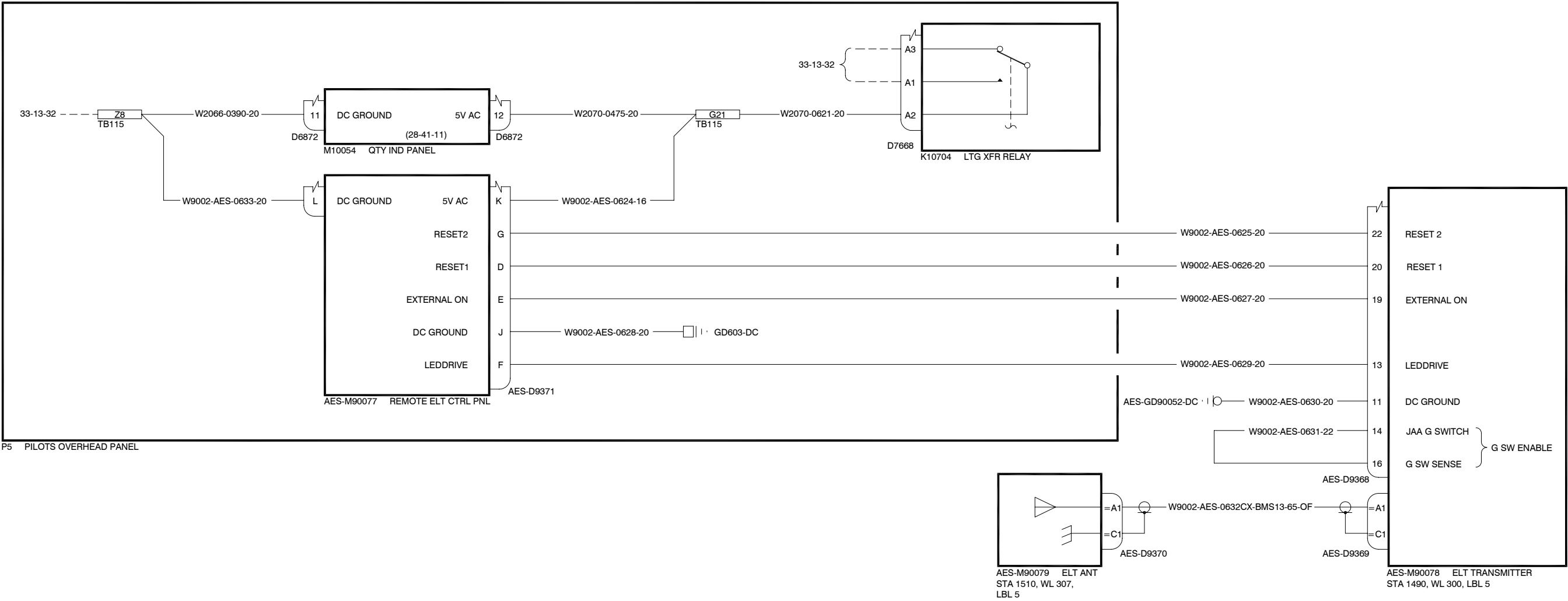
11.4.2 Technical Publication Supplements

<u>Document Number</u>	<u>Issue</u>	<u>Title</u>
Transmittal sheet 15	1	Supplement Transmittal sheet
23-24-00 P/B 001	1	AMM SUPPLEMENT – Description/Operation
23-24-00 P/B 101	1	AMM SUPPLEMENT – Component index
23-24-00 P/B 501	1	AMM SUPPLEMENT – Adjustment/Test
23-24-01 P/B 401	1	AMM SUPPLEMENT – ELT TX Removal/Install
23-24-02 P/B 401	1	AMM SUPPLEMENT – ELT Antenna Removal/Install
23-24-03 P/B 401	1	AMM SUPPLEMENT – ELT Panel Removal/Install
23-24-04 P/B 401	1	AMM SUPPLEMENT – AIM Removal/Install
23-24-01-01A	1	IPC SUPPLEMENT – ELT Panel Installation
23-24-01-02A	1	IPC SUPPLEMENT – ELT & AIM Installation
23-24-02-01A	1	IPC SUPPLEMENT – ELT Antenna Installation
23-24-11	1	WDM SUPPLEMENT – Emergency Locator Transmitter

BOEING 757



FIRST CHOICE AIRWAYS
D280N032
WIRING DIAGRAM MANUAL



002, 009	EMERGENCY LOCATOR TRANSMITTER
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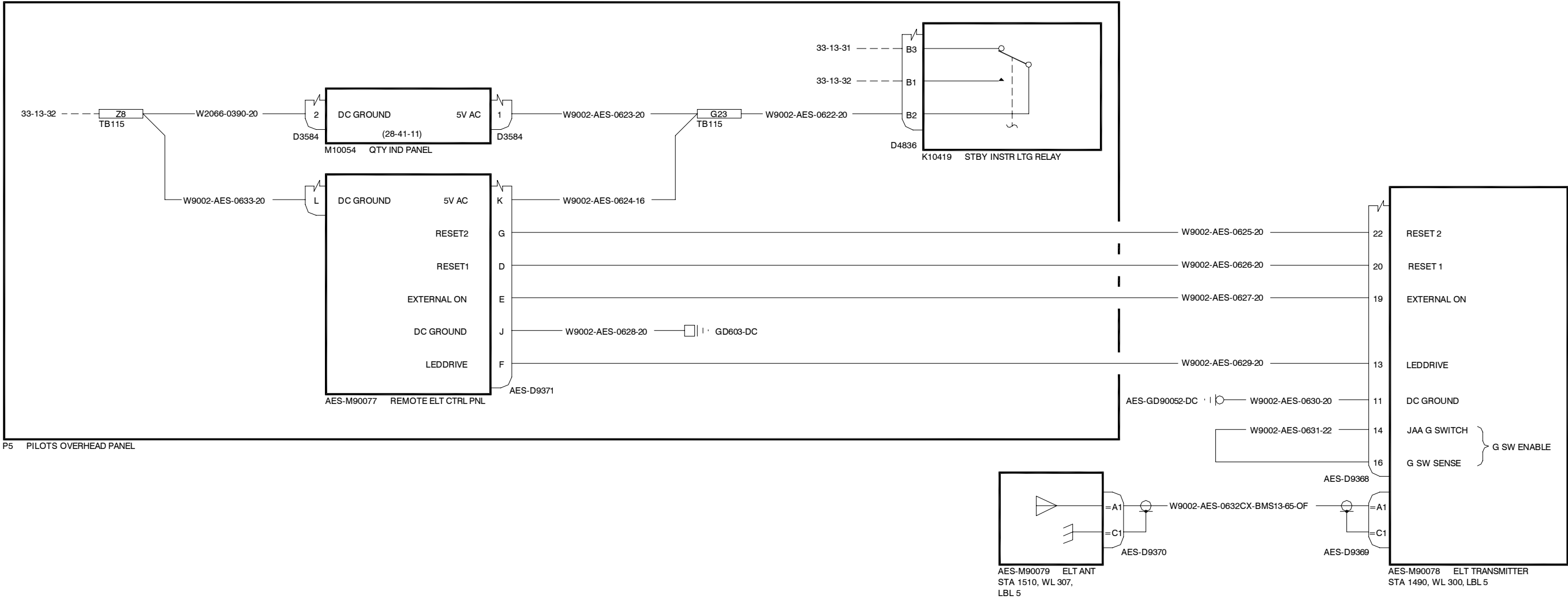
EFFECTIVITY

25268, 26158

BOEING 757



FIRST CHOICE AIRWAYS
D280N032
WIRING DIAGRAM MANUAL



115	EMERGENCY LOCATOR TRANSMITTER
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B757 MANUAL SUPPLEMENT - ATP 3510
SECTION 4 CHAPTER 23
CONTROL PAGE - ISSUE 2

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.
23-12-11	1	23-775
23-12-31	1	23-777
23-12-21	1	23-776
23-21-12	1	23-758
23-51-11	1	* 23-778
23-51-21	1	23-760
23-51-41	1	23-761

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

23-51-11	1	23-759
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* Indicates TRs/Alerts issued with this control page

**ATP
TEMPORARY
REVISION**

NB322

B757

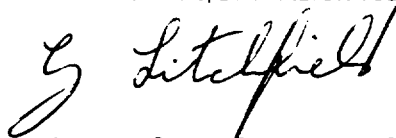
TR Page 1 of 1

6 July, 1998

WIRING DIAGRAM MANUAL

TEMPORARY REVISION No. 23-775

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 AND TRAINING

Manual Reference 23-12-11 Page 1

REASON FOR REVISION

Upgrade to 8.33Khz VHF.

ACTION

Read this TR in conjunction with the Boeing pages. Please add wire as detailed below.

CONNECTOR	PIN NO.	WIRE IDENT	GROUND NO.	
D123	4	W2071-9001-20	GD82	

Originator: E.Hoare
Reference: 23G225
Workbook: SS23-83
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23-12-11

**ATP
TEMPORARY
REVISION**

NB322

B757

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6 July, 1998

WIRING DIAGRAM MANUAL

TEMPORARY REVISION No. 23-777

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. DA1/8566/78.



For CHIEF ENGINEER QUALITY AND TRAINING

Manual Reference 23-12-31 Page 1

REASON FOR REVISION

Upgrade to 8.33Khz VHF.

ACTION

Read this TR in conjunction with the Boeing pages. Please add wire as detailed below.

CONNECTOR(FROM)	PIN NO.	WIRE IDENT	GROUND NO.(TO)
D891	4	W2069-9001-20	GD2303

Originator: E.Hoare
Reference: 23G225
Workbook: SS23-83

23-12-31
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**ATP
TEMPORARY
REVISION**

NB322

B757

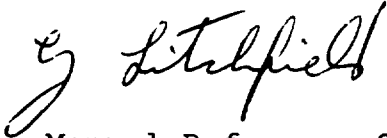
TR Page 1 of 1

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WIRING DIAGRAM MANUAL

TEMPORARY REVISION No. 23-776

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. DA1/8566/78.



For CHIEF ENGINEER QUALITY AND TRAINING

Manual Reference 23-12-21 Page 1

REASON FOR REVISION

Upgrade to 8.33Khz VHF.

ACTION

Read this TR in conjunction with the Boeing pages. Please add wire as detailed below.

CONNECTOR(FROM)	PIN NO.	WIRE IDENT	GROUND NO.(TO)
D127	4	W2073-9001-20	GD1650

Originator: E.Hoare
Reference: 23G225
Workbook: SS23-83

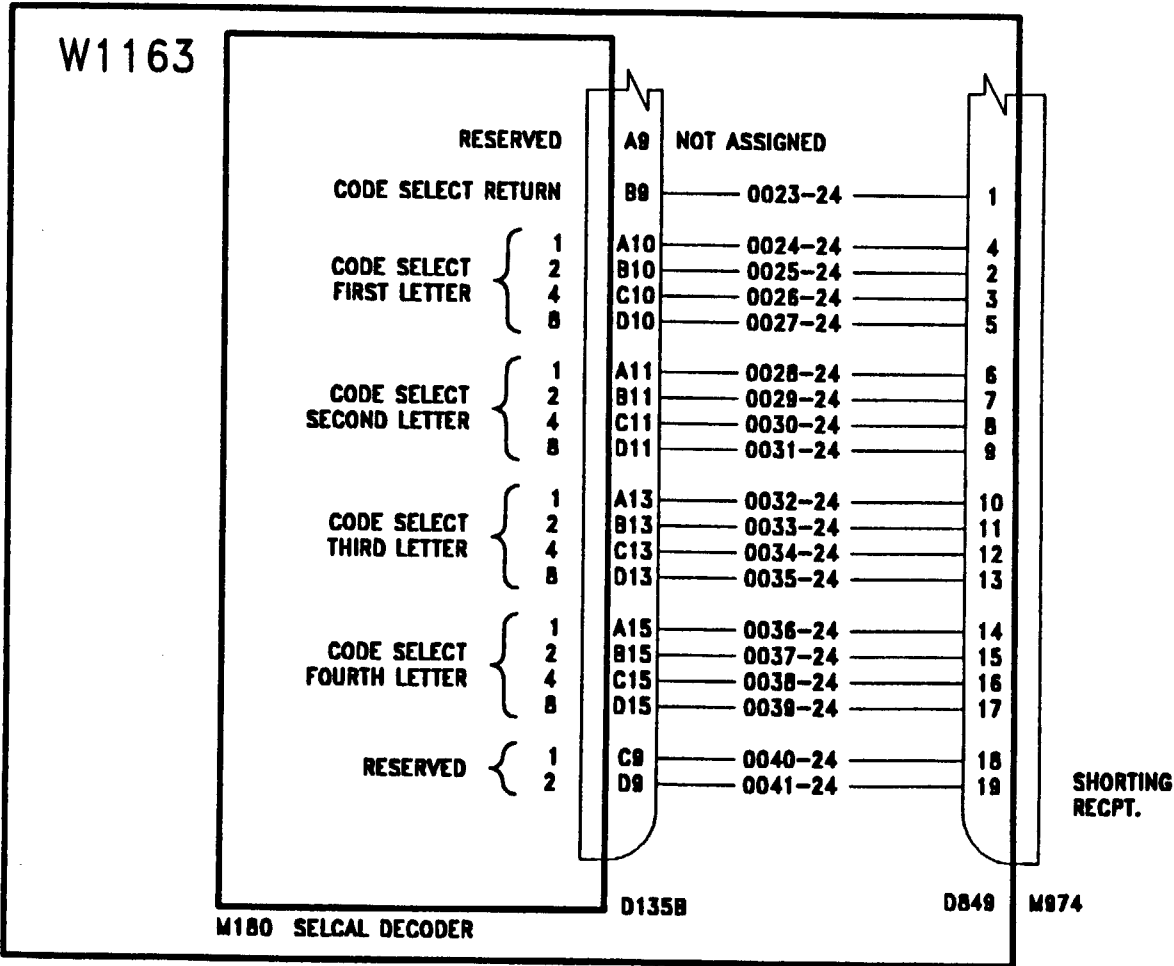
23-12-21
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MOD NO.	AIRCRAFT	VAR. No.	CODE	D135B PIN 9				D135B PIN 10				D135B PIN 11				D135B PIN 13				D135B PIN 15			
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
23G249	G-CPEP	N8322	AL-CR	1	0	0	0	1	0	0	0	1	1	0	1	1	1	0	0	1	1	1	1

TEMPORARY REVISION No: 23-758
WDM 8757
MANUAL Ref. 23-21-12 Page 1
Reason for Revision 23G249
Ref Drawing 104358
TIS WR (SH 23-76)

002	
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**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

TR Page 1 of 2
08 July 1998

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WIRING DIAGRAM MANUAL

TEMPORARY REVISION No. 23-778

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.

G Litchfield
For CHIEF ENGINEER QUALITY

Manual Reference 23-51-11 Page 1

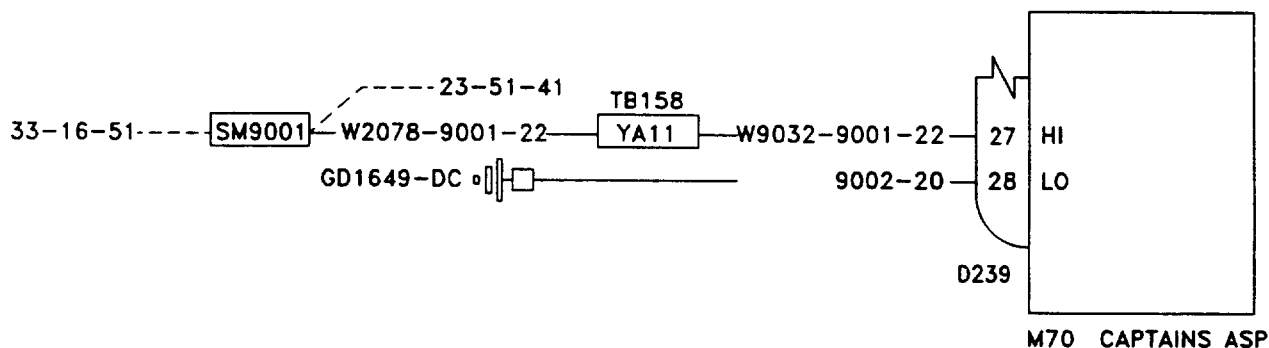
REASON FOR REVISION

Retrofit of Avtech ASP

ACTION

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

1) Post Mod 23D175.



Originator: E. Hoare/G.Kerr
Reference: 23D175/EOI-757-2368495 23-51-11
Workbook: SH 23-74/SS 23-79 Page 1

BRITISH AIRWAYS (NB 322)

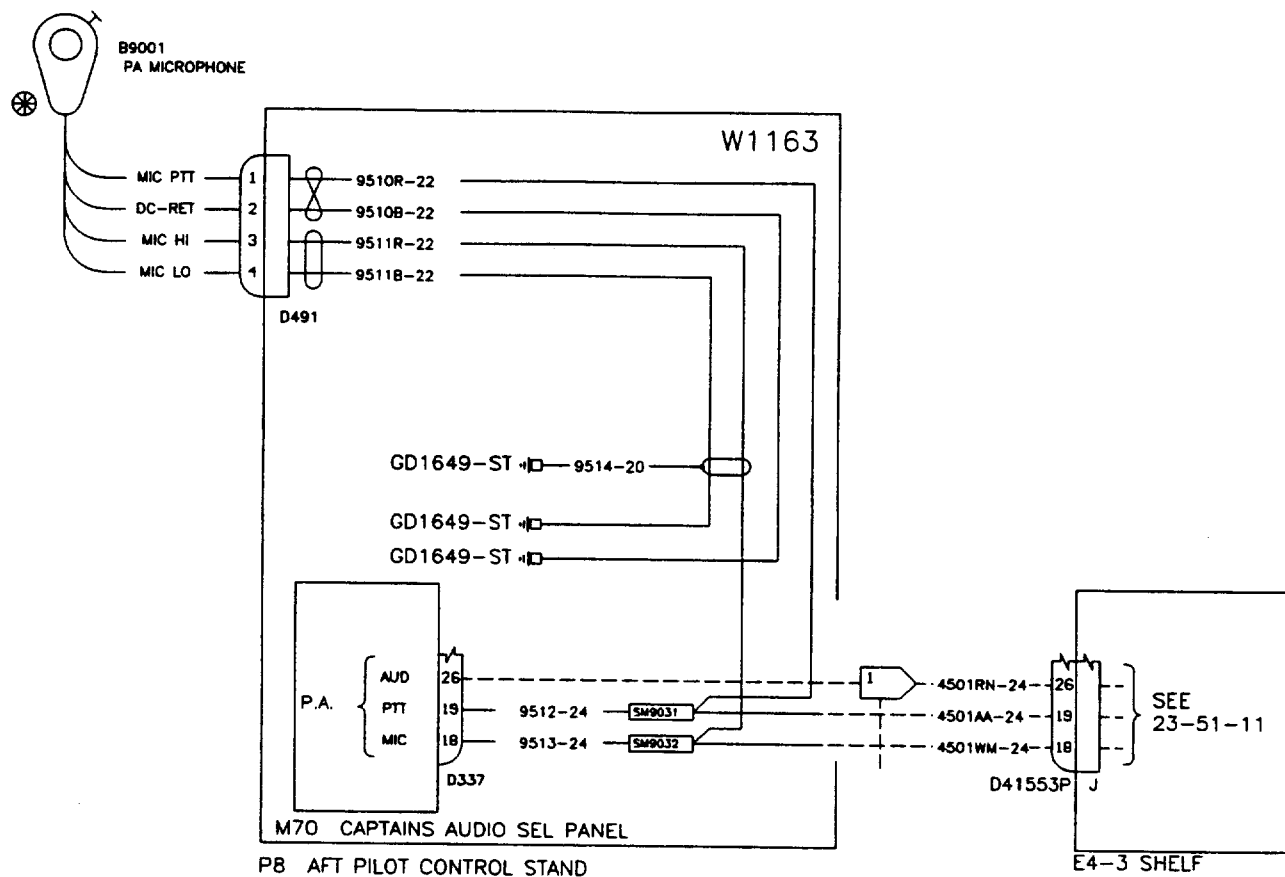
TR Page 2 of 2

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WIRING DIAGRAM MANUAL

TEMPORARY REVISION No. 23-778 (Cont'd)

2) Post Mod 39G002.



NOTES:



COTRAHELICAL CABLE

3) Post EOI-757-2368495

Cable W1163-0203-24 is now connected to Audio Accessory Unit connector D5A contact B6.

**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

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WIRING DIAGRAM MANUAL

TEMPORARY REVISION No. 23-760

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G Litchfield

For CHIEF ENGINEER QUALITY

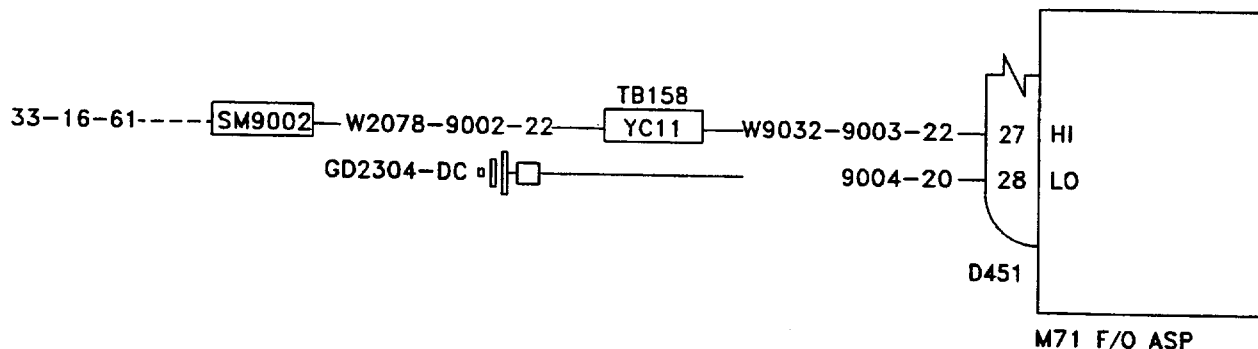
Manual Reference 23-51-21 Page 1

REASON FOR REVISION

Retrofit of Avtech ASP

ACTION

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



Originator: E. Hoare
Reference: 23D175
Workbook: SH 23-74

23-51-21
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TEMPORARY
REVISION**

BRITISH AIRWAYS
(NB 322)

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25 July, 1997

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WIRING DIAGRAM MANUAL

TEMPORARY REVISION No. 23-761

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G Litchfield

For CHIEF ENGINEER QUALITY

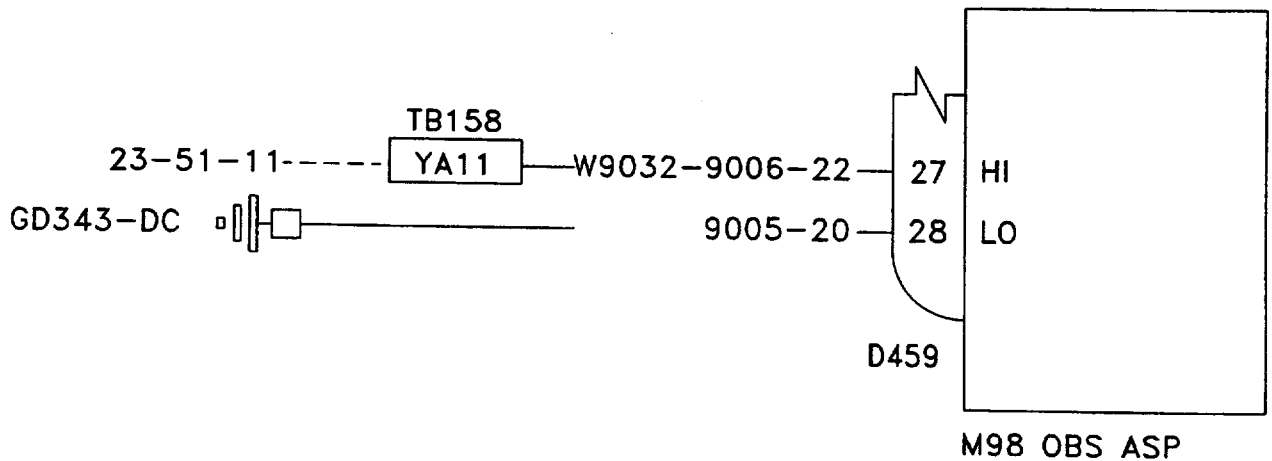
Manual Reference 23-51-41 Page 1

REASON FOR REVISION

Retrofit of Avtech ASP

ACTION

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



Originator: E. Hoare
Reference: 23D175
Workbook: SH 23-74

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CHAPTER

23

COMMUNICATIONS



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CHAPTER 23 COMMUNICATIONS

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
23-EFFECTIVE PAGES					23-31-31				
		1 thru 2		Oct 09/2008			1		Jan 21/2005
23-CONTENTS							2		Jan 21/2005
		1		Dec 18/2007	23-31-32				
		2		Dec 18/2007			1		Jan 21/2005
		3		Dec 18/2007			2		Jan 21/2005
		4		Dec 18/2007	23-31-33				
23-ALPHABETICAL INDEX							1		Jan 21/2005
		1		May 17/2006	23-31-34				
		2		May 17/2006			1		Jan 21/2005
23-11-11					23-31-41				
		1		Jan 21/2005			1		Dec 18/2007
		2		Jan 21/2005			2		Dec 18/2007
		3		Jan 21/2005	23-31-42				
23-11-21							1		Jan 21/2005
		1		Jan 21/2005			2		Jan 21/2005
		2		Jan 21/2005	23-32-01				
		3		Jan 21/2005			1		Jan 21/2005
23-12-11							2		Jan 21/2005
		1		Jan 21/2005	23-32-02				
		1.1		Jan 21/2005			1		Jan 21/2005
		2		Jan 21/2005			1.1		Jan 21/2005
23-12-21							2		Jan 21/2005
		1		Jan 21/2005	23-32-03				
		1.1		Jan 21/2005			1		Jan 21/2005
		2		Jan 21/2005	23-34-12				
23-12-31							1		Jan 21/2005
		1		Jan 21/2005			2		Jan 21/2005
		1.1		Jan 21/2005	23-34-13				
23-21-11							1		Jan 21/2005
		1		Jan 21/2005	23-34-15				
		2		Jan 21/2005			1		Jan 21/2005
23-21-12							2		May 17/2006
		1		Jan 21/2005	23-34-16				
		2		Jan 21/2005			1		Jan 21/2005
23-31-11					23-41-11				
		1		Jan 21/2005			1		Jan 21/2005
		2		Jan 21/2005			2		Jan 21/2005
23-31-13					23-41-12				
		1		Jan 21/2005			1		Jan 21/2005
		2		Jan 21/2005			2		Jan 21/2005
23-31-19					23-42-11				
		1		Dec 18/2007			1		Jan 21/2005
23-31-21							2		Jan 21/2005
		1		Jan 21/2005	23-42-12				
		2		Jan 21/2005			1		Jan 21/2005
		3		Jan 21/2005	23-43-11				
23-31-22							1		Jan 21/2005
		1		Jan 21/2005	23-51-11				
		2		Jan 21/2005			1		Jan 21/2005
23-31-23							2		Jan 21/2005
		1		Jan 21/2005			3		Jan 21/2005

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

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CHAPTER 23 COMMUNICATIONS

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		2		Jan 21/2005					
23-51-13		1		Jan 21/2005					
		2		Jan 21/2005					
		2.1		Dec 18/2007					
23-51-14		1		Jan 21/2005					
		2		Jan 21/2005					
		3		Dec 18/2007					
23-51-15									
		1		Jan 21/2005					
23-51-21									
		1		Jan 21/2005					
		2		Jan 21/2005					
		3		Jan 21/2005					
		3.1		Dec 18/2007					
23-51-41		1		Jan 21/2005					
		2		Jan 21/2005					
23-51-51									
		1		May 17/2006					
23-71-11									
		1		Jan 21/2005					
		1.1		Jan 21/2005					
		2		Jan 21/2005					

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

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CHAPTER 23 COMMUNICATIONS

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<u>HF COMMUNICATION SYSTEM</u>						
HF COMMUNICATIONS - LEFT	23-11-11		1		Jan 21/2005	001-008
			2		Jan 21/2005	009-099
			3		Jan 21/2005	115-199
HF COMMUNICATIONS - RIGHT	23-11-21		1		Jan 21/2005	001-008
			2		Jan 21/2005	009-099
			3		Jan 21/2005	115-199
<u>VHF COMMUNICATION SYSTEM</u>						
VHF COMMUNICATIONS - LEFT	23-12-11		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	001-002
			2		Jan 21/2005	115-199
VHF COMMUNICATIONS - RIGHT	23-12-21		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	001-002
			2		Jan 21/2005	115-199
VHF COMMUNICATIONS - CENTER	23-12-31		1		Jan 21/2005	001-099
VHF COMMUNICATIONS - CENTER (PROVISIONS)	23-12-31		1.1		Jan 21/2005	001-002
<u>SELCAL SYSTEM</u>						
SELCAL	23-21-11		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
SELCAL CODING	23-21-12		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
<u>PASSENGER ADDRESS SYSTEM</u>						
PASS. ADDRESS VOICE INPUT CIRCUITRY - PASSENGER ADDRESS SYSTEM	23-31-11		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
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PASSENGER ADRS BOARDING MUSIC - TAPE REPRODUCER AND ANNOUNCEMENT	23-31-19		1		Dec 18/2007	001-099
PASSENGER ADDRESS AND MUTING SPEAKERS - LEFT	23-31-21		1		Jan 21/2005	001-008
			2		Jan 21/2005	009-099
			3		Jan 21/2005	115-199
PASSENGER ADDRESS SPEAKERS - LEFT OUTPUT NO.1	23-31-22		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
PASSENGER ADDRESS SPEAKERS - LEFT OUTPUT NO.2	23-31-23		1		Jan 21/2005	115-199
PASSENGER ADDRESS AND MUTING SPEAKERS - RIGHT	23-31-31		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
PASSENGER ADDRESS SPEAKERS - RIGHT OUTPUT NO.1	23-31-32		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
PASSENGER ADDRESS SPEAKERS - RIGHT OUTPUT NO.2	23-31-33		1		Jan 21/2005	115-199
PASSENGER ADDRESS SPEAKERS - RIGHT OUTPUT NO.3	23-31-34		1		Jan 21/2005	115-199
PASSENGER ADDRESS SPEAKERS AND AUDIO ACCESSORY UNIT	23-31-41		1		Dec 18/2007	001-099
			2		Dec 18/2007	115-199
PASSENGER ADDRESS SPEAKER LOCATION	23-31-42		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
PASSENGER ENTERTAINMENT (VIDEO)						
VIDEO SYSTEM	23-32-01		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
VIDEO SYSTEM	23-32-02		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	001-002

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VIDEO SYSTEM	23-32-03		1		Jan 21/2005	115-199
<u>PASSENGER ENTERTAINMENT (MUSIC)</u>						
PASSENGER ENTERTAINMENT - AUDIO DISTRIBUTION	23-34-12		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
PASSENGER ENTERTAINMENT - AUDIO DISTRIBUTION - LEFT	23-34-13		1		Jan 21/2005	001-099
PASSENGER ENTERTAINMENT - POWER AND CONTROL SWITCH	23-34-15		1		Jan 21/2005	001-099
			2		May 17/2006	115-199
PASSENGER ENTERTAINMENT - POWER, CONTROL AND TAPE REPRODUCER	23-34-16		1		Jan 21/2005	115-199
<u>SERVICE INTERPHONE SYSTEM</u>						
SERVICE INTERPHONE OUTPUT	23-41-11		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
SERVICE INTERPHONE JACKS	23-41-12		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
<u>CABIN INTERPHONE SYSTEM</u>						
CABIN INTERPHONE SYSTEM	23-42-11		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
CABIN INTERPHONE SYSTEM - ELECTRONIC CHIME	23-42-12		1		Jan 21/2005	115-199
<u>GROUND CREW CALL SYSTEM</u>						
GROUND CREW CALL	23-43-11		1		Jan 21/2005	ALL
<u>FLIGHT INTERPHONE SYSTEM</u>						
FLIGHT INTERPHONE - CAPTAIN	23-51-11		1		Jan 21/2005	001-008 010-099
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FLIGHT INTERPHONE - CAPTAIN (cont.)	23-51-11		3.1		Dec 18/2007	115
FLIGHT INTERPHONE - CAPTAIN, DME AND VOR	23-51-12		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
FLIGHT INTERPHONE - CAPTAIN, ADF AND ILS	23-51-13		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
FLIGHT INTERPHONE - SECOND OFFICER	23-51-13		2.1		Dec 18/2007	115
FLIGHT INTERPHONE - CAPTAIN, HF - LEFT AND HF - RIGHT	23-51-14		1		Jan 21/2005	001-008
			2		Jan 21/2005	009-099
			3		Dec 18/2007	115-199
FLIGHT INTERPHONE - PA	23-51-15		1		Jan 21/2005	115-199
FLIGHT INTERPHONE - FIRST OFFICER	23-51-21		1		Jan 21/2005	001-008 010-099
			2		Jan 21/2005	009
			3		Jan 21/2005	115-199
			3.1		Dec 18/2007	115
FLIGHT INTERPHONE - OBSERVER	23-51-41		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
FLIGHT INTERPHONE - SUPERNUMERATOR	23-51-51		1		May 17/2006	115-199
<u>VOICE RECORDER SYSTEM</u>						
VOICE RECORDER	23-71-11		1		Jan 21/2005	001-099
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			2		Jan 21/2005	115-199

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23-42-11	CABIN INTERPHONE SYSTEM
23-42-12	CABIN INTERPHONE SYSTEM - ELECTRONIC CHIME
23-51-11	FLIGHT INTERPHONE - CAPTAIN
23-51-13	FLIGHT INTERPHONE - CAPTAIN, ADF AND ILS
23-51-12	FLIGHT INTERPHONE - CAPTAIN, DME AND VOR
23-51-14	FLIGHT INTERPHONE - CAPTAIN, HF - LEFT AND HF - RIGHT
23-51-21	FLIGHT INTERPHONE - FIRST OFFICER
23-51-41	FLIGHT INTERPHONE - OBSERVER
23-51-15	FLIGHT INTERPHONE - PA
23-51-51	FLIGHT INTERPHONE - SUPERNUMERATOR
23-43-11	GROUND CREW CALL
23-11-11	HF COMMUNICATIONS - LEFT
23-11-21	HF COMMUNICATIONS - RIGHT
23-31-11	PASS. ADDRESS VOICE INPUT CIRCUITRY - PASSENGER ADDRESS SYSTEM
23-31-21	PASSENGER ADDRESS AND MUTING SPEAKERS - LEFT
23-31-31	PASSENGER ADDRESS AND MUTING SPEAKERS - RIGHT
23-31-13	PASSENGER ADDRESS OUTPUT AND CONTROLS
23-31-42	PASSENGER ADDRESS SPEAKER LOCATION
23-31-22	PASSENGER ADDRESS SPEAKERS - LEFT OUTPUT NO.1
23-31-23	PASSENGER ADDRESS SPEAKERS - LEFT OUTPUT NO.2
23-31-32	PASSENGER ADDRESS SPEAKERS - RIGHT OUTPUT NO.1
23-31-33	PASSENGER ADDRESS SPEAKERS - RIGHT OUTPUT NO.2
23-31-34	PASSENGER ADDRESS SPEAKERS - RIGHT OUTPUT NO.3
23-31-41	PASSENGER ADDRESS SPEAKERS AND AUDIO ACCESSORY UNIT
23-31-19	PASSENGER ADRS BOARDING MUSIC - TAPE REPRODUCER AND ANNOUNCEMENT
23-34-12	PASSENGER ENTERTAINMENT - AUDIO DISTRIBUTION
23-34-13	PASSENGER ENTERTAINMENT - AUDIO DISTRIBUTION - LEFT
23-34-15	PASSENGER ENTERTAINMENT - POWER AND CONTROL SWITCH

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23-34-16	PASSENGER ENTERTAINMENT - POWER, CONTROL AND TAPE REPRODUCER
23-21-11	SELCAL
23-21-12	SELCAL CODING
23-41-12	SERVICE INTERPHONE JACKS
23-41-11	SERVICE INTERPHONE OUTPUT
23-12-31	VHF COMMUNICATIONS - CENTER
23-12-11	VHF COMMUNICATIONS - LEFT
23-12-21	VHF COMMUNICATIONS - RIGHT
23-32-01	VIDEO SYSTEM
23-32-02	VIDEO SYSTEM
23-32-03	VIDEO SYSTEM
23-71-11	VOICE RECORDER

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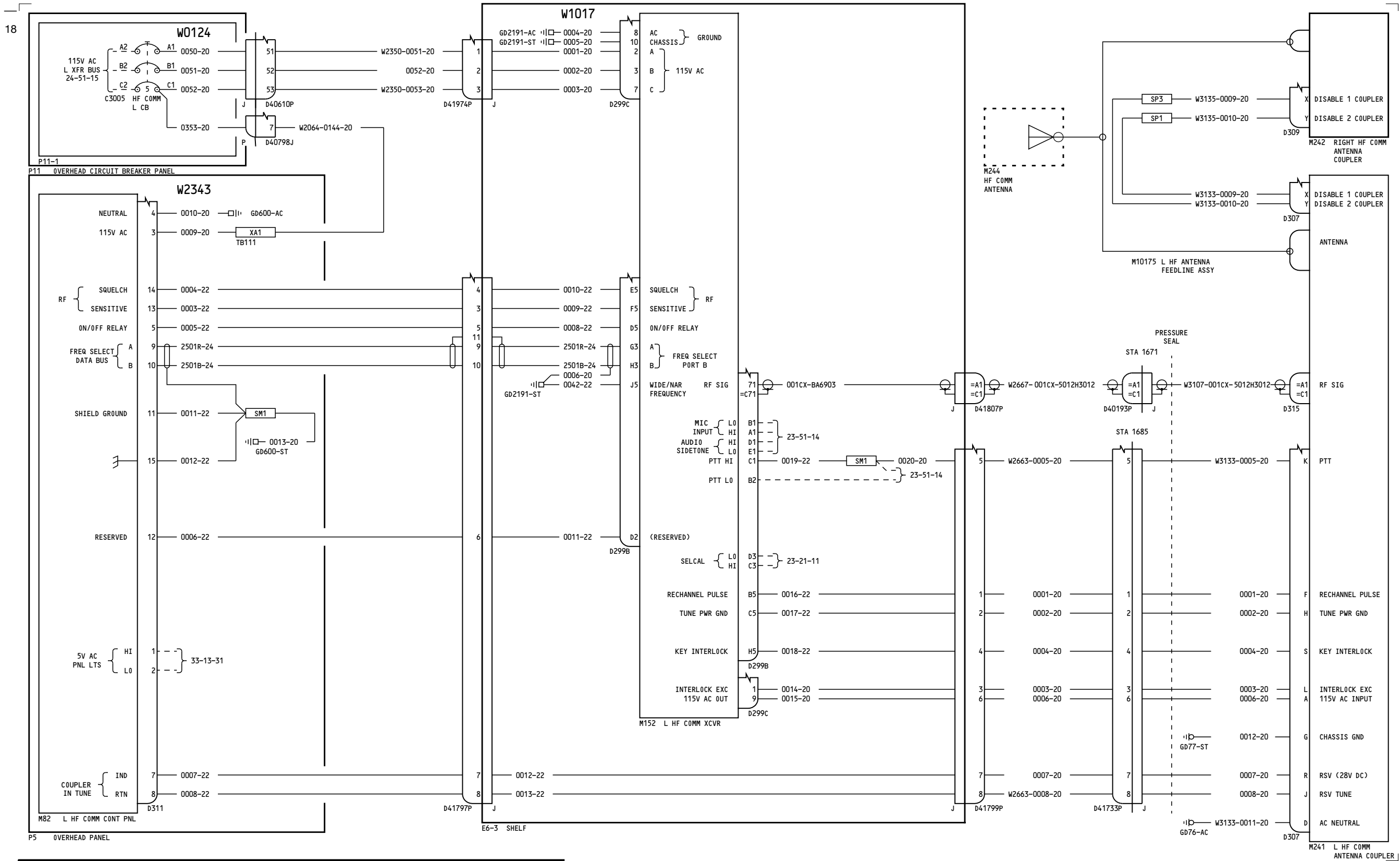
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23-11-21

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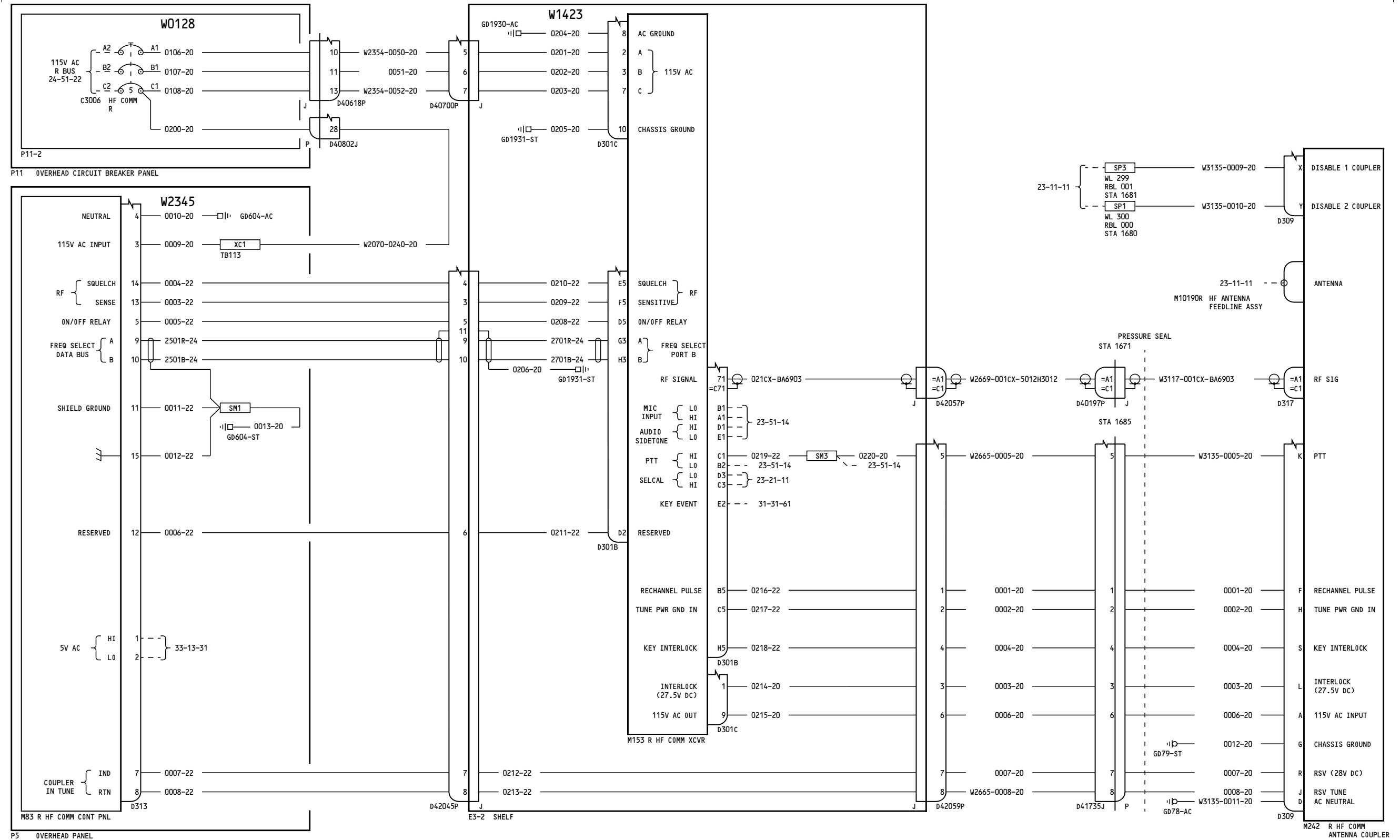
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HF COMMUNICATIONS - RIGHT

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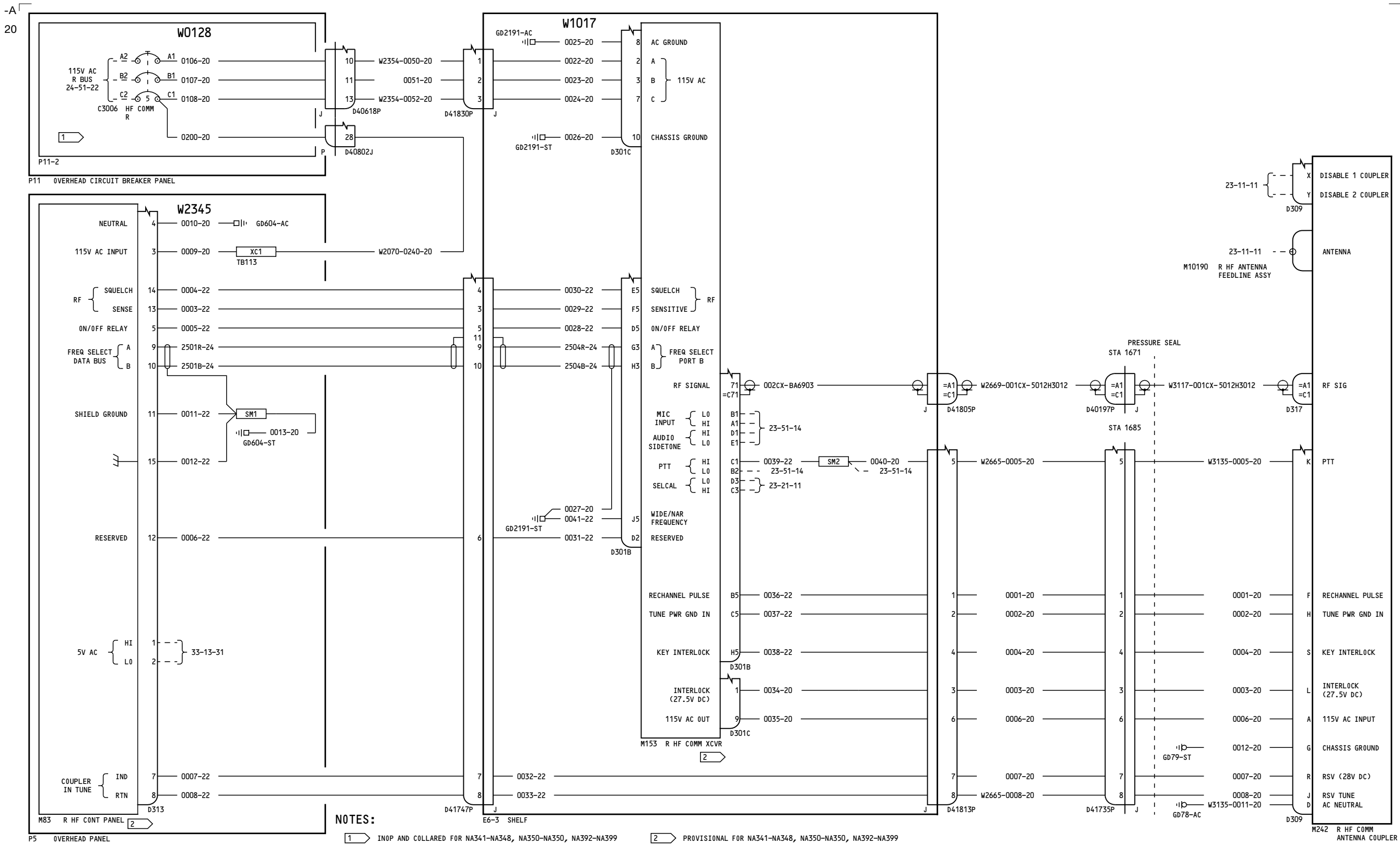
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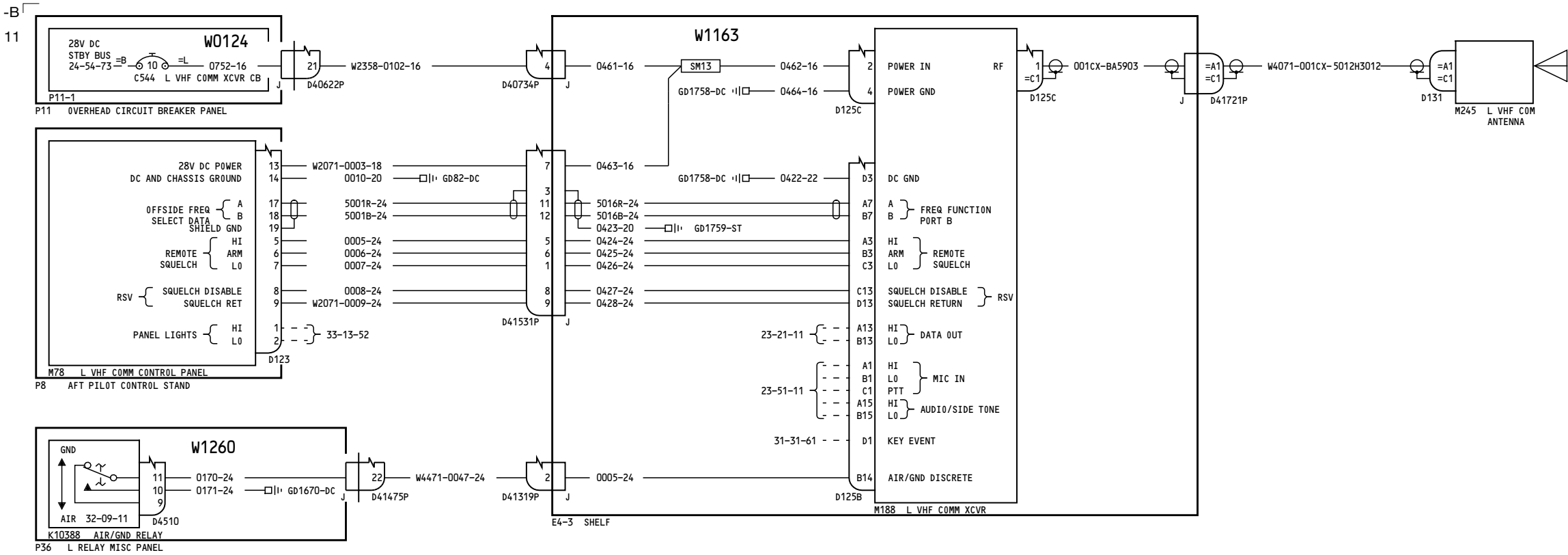
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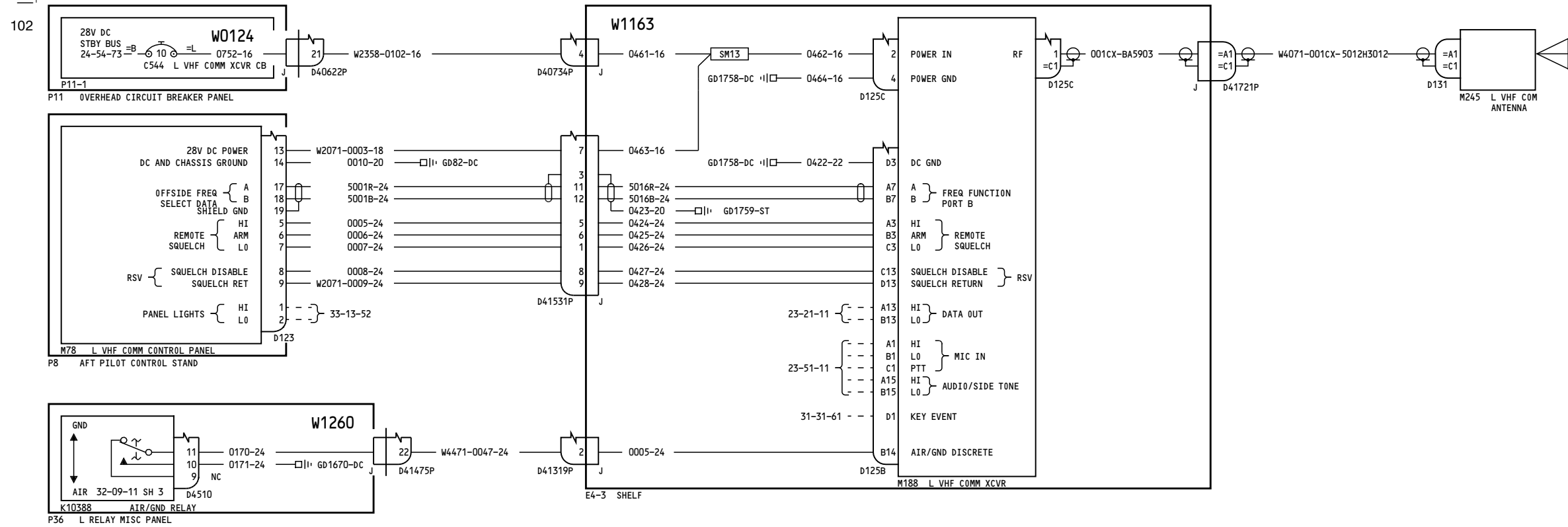
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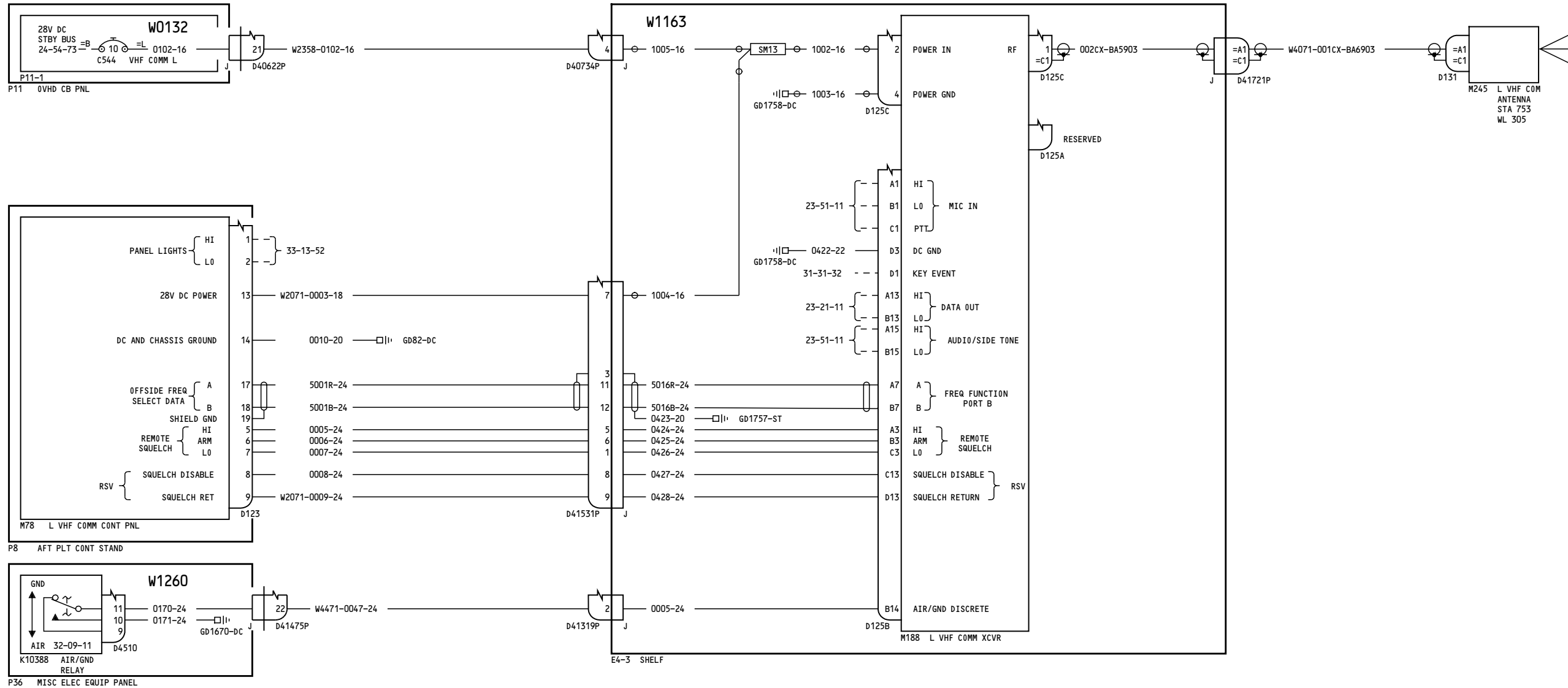
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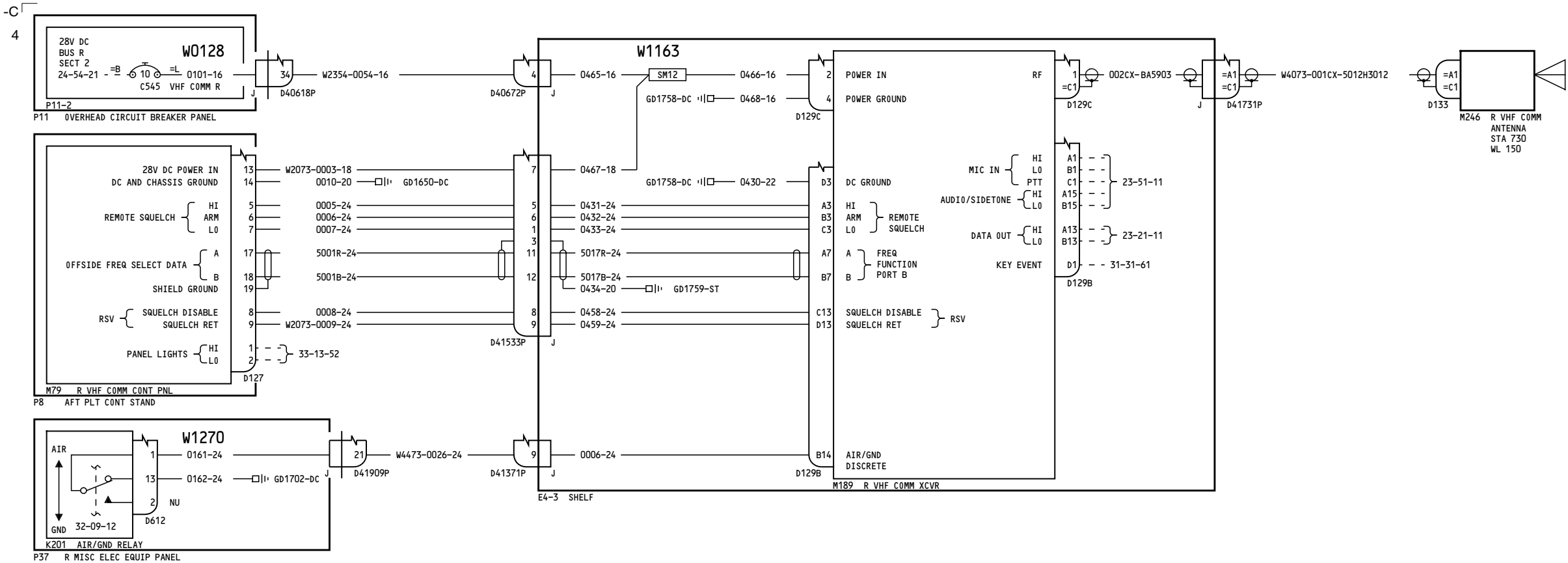


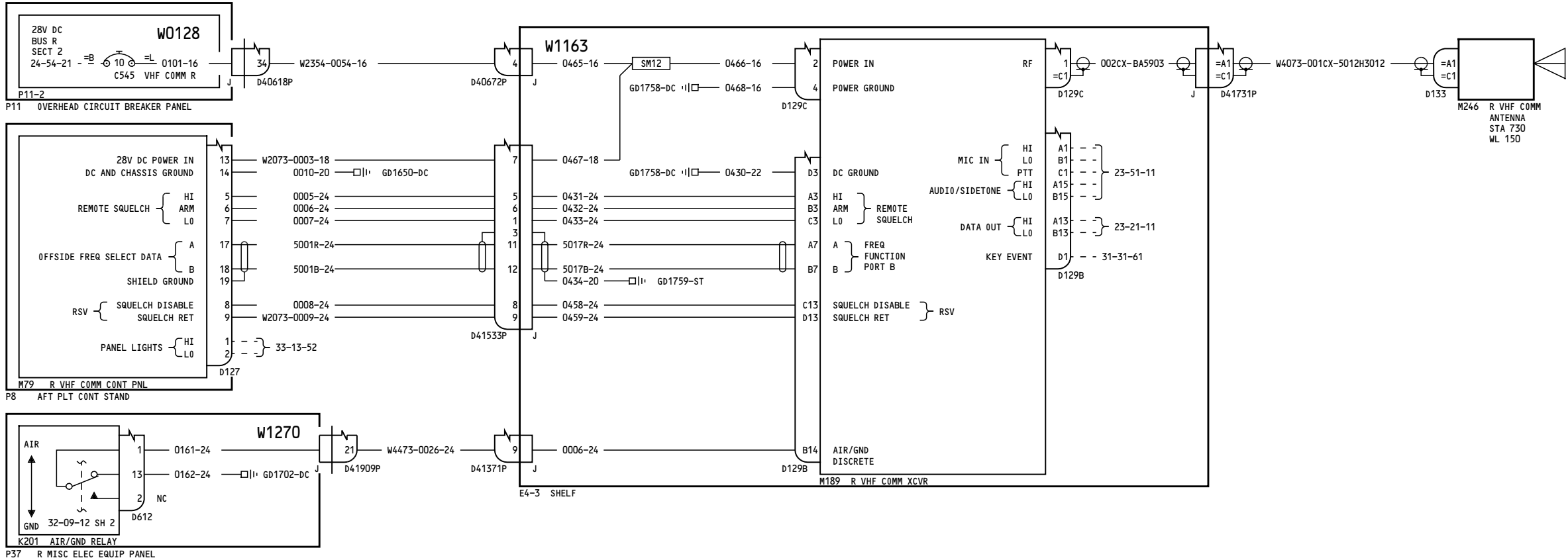


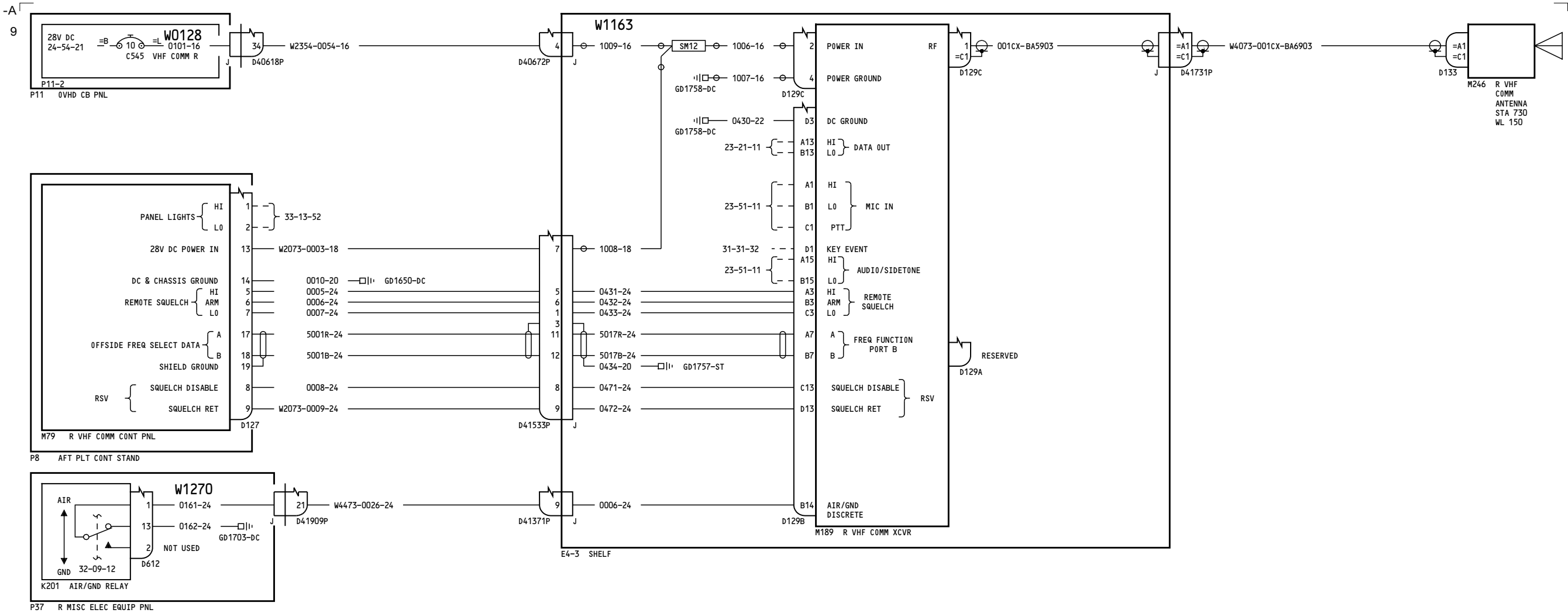


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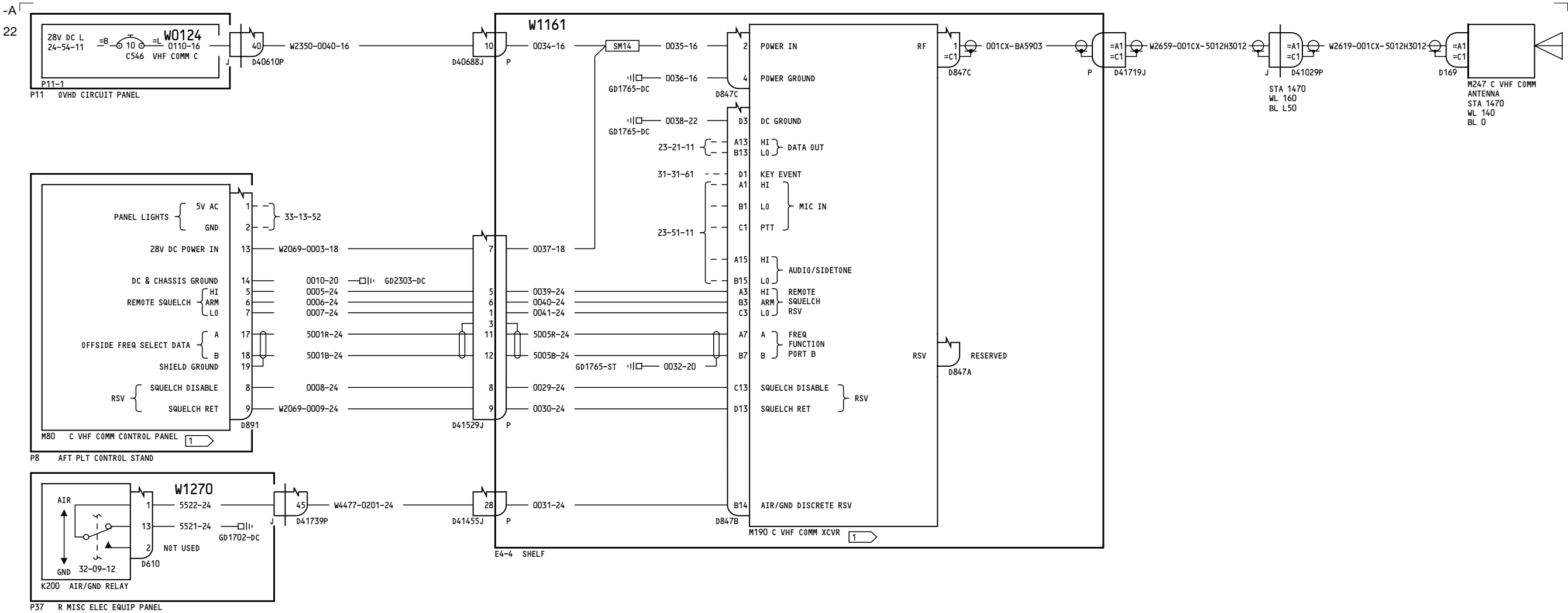








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NOTES:
1 PROVISIONAL FOR NB329 ONLY.

001-099	VHF COMMUNICATIONS - CENTER
	D280N032

23-12-31

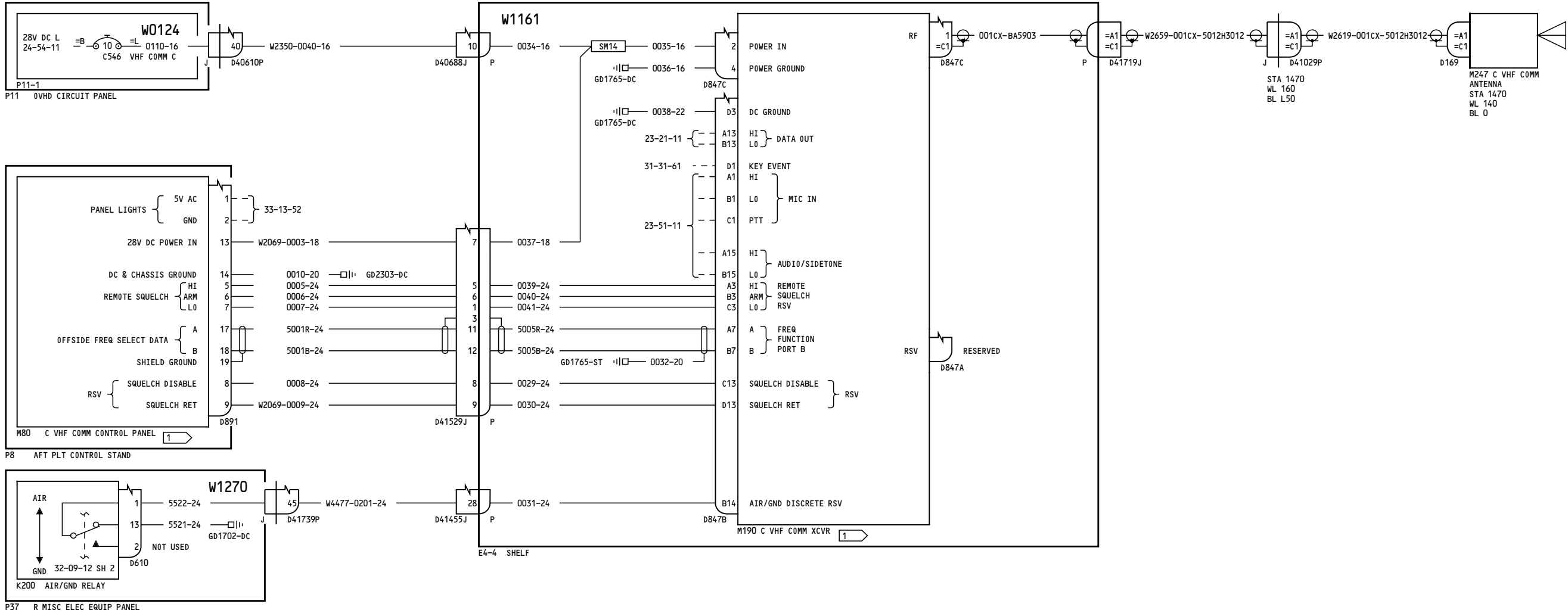
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NOTES:
1 PROVISIONAL FOR NB329 ONLY.

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**VHF COMMUNICATIONS -
CENTER (PROVISIONS)**

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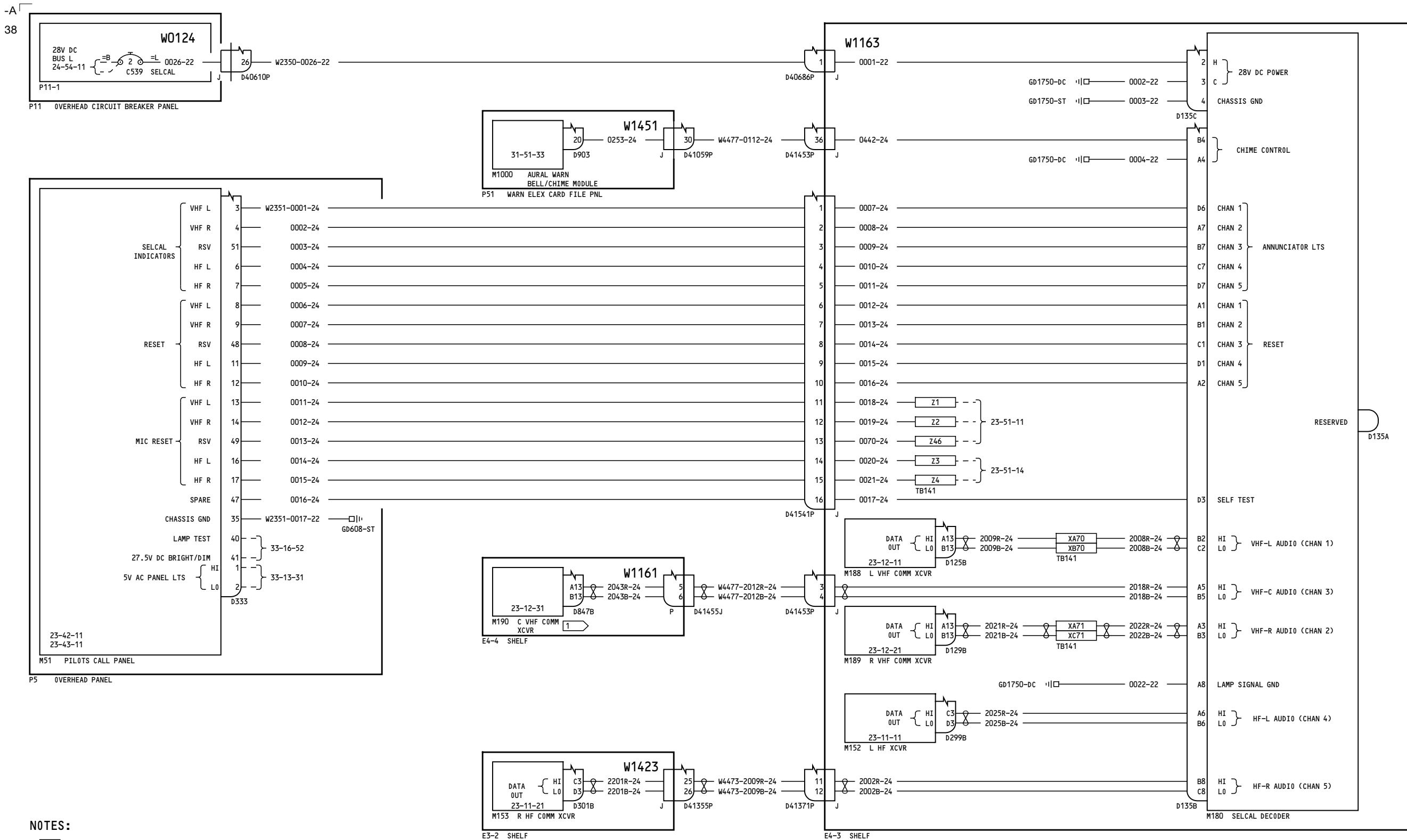
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Incorporates
27A0130 R01

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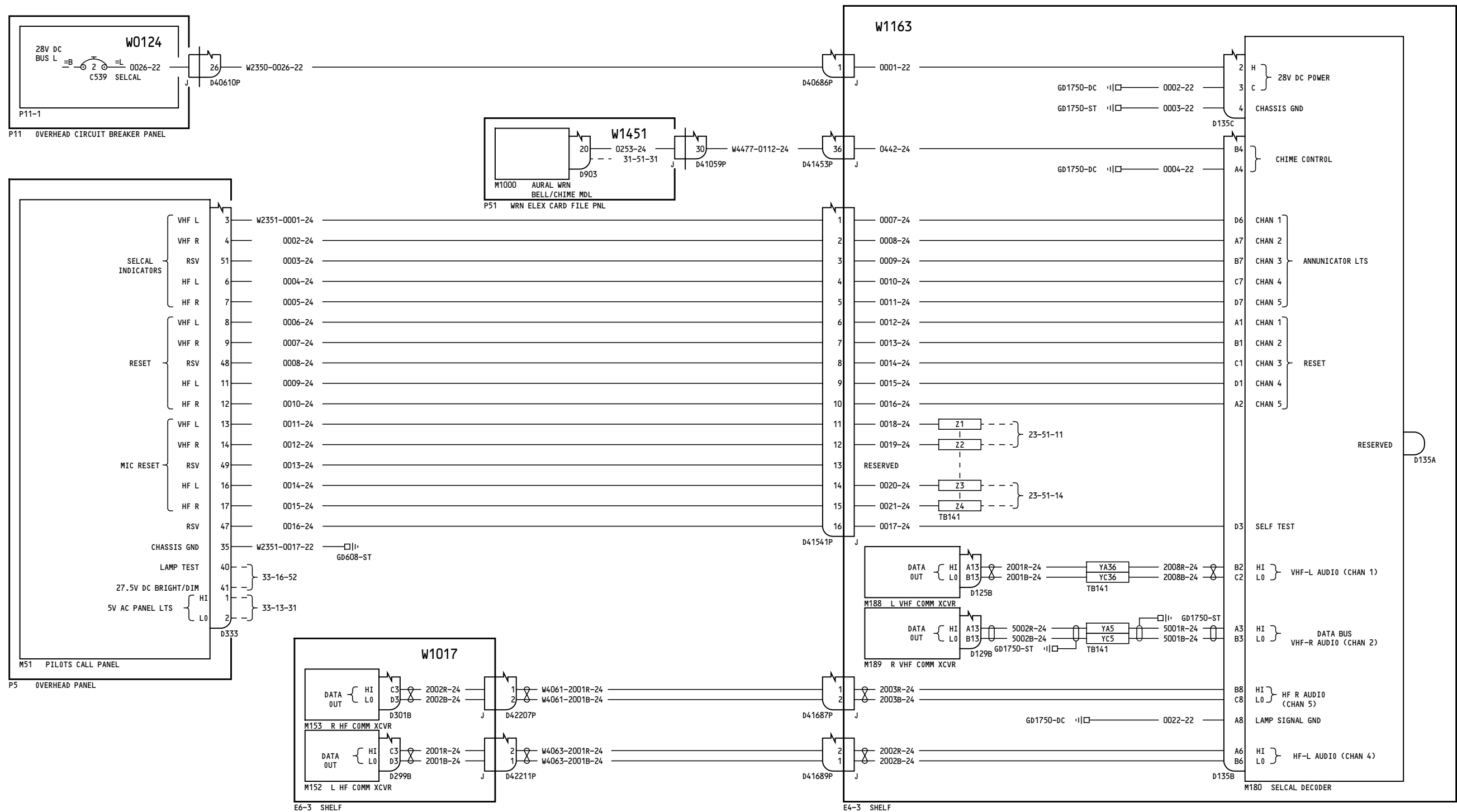
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[illegible]

1 0 = LOGIC "0" CONNECT WIRE FROM D135B TO D849
1 = LOGIC "1" NO WIRE TERMINATION

SELCAL CODING

D280N032

23-21-12

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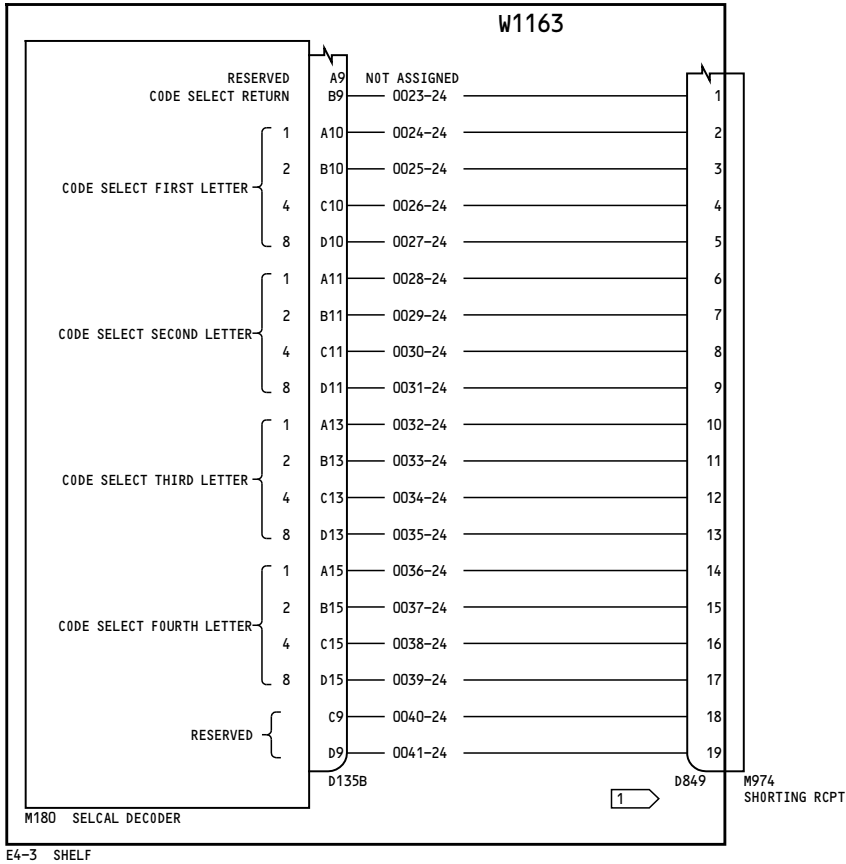
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AIRPLANE	CODE	D135B PIN 9				D135B PIN 10				D135B PIN 11				D135B PIN 13				D135B PIN 15			
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
NA341	LQ-EJ	1	0	0	0	1	1	0	1	0	1	1	1	1	0	1	0	1	0	0	1
NA342	LQ-EK	1	0	0	0	1	1	0	1	0	1	1	1	1	0	1	0	0	1	0	1
NA343	LQ-EM	1	0	0	0	1	1	0	1	0	1	1	1	1	0	1	0	0	0	1	1
NA344	LQ-EP	1	0	0	0	1	1	0	1	0	1	1	1	1	0	1	0	1	0	1	1
NA345	FM-LQ	1	0	0	0	0	1	1	0	0	0	1	1	1	1	0	1	0	1	1	1
NA346	FM-PQ	1	0	0	0	0	1	1	0	0	0	1	1	1	0	1	1	0	1	1	1
NA347	FP-AQ	1	0	0	0	0	1	1	0	1	0	1	1	1	0	0	0	0	1	1	1

NOTES:

1 0 = LOGIC "0" CONNECT WIRE FROM D135B TO D849
1 = LOGIC "1" NO WIRE TERMINATION

115-199

SELCAL CODING

D280N032

23-21-12

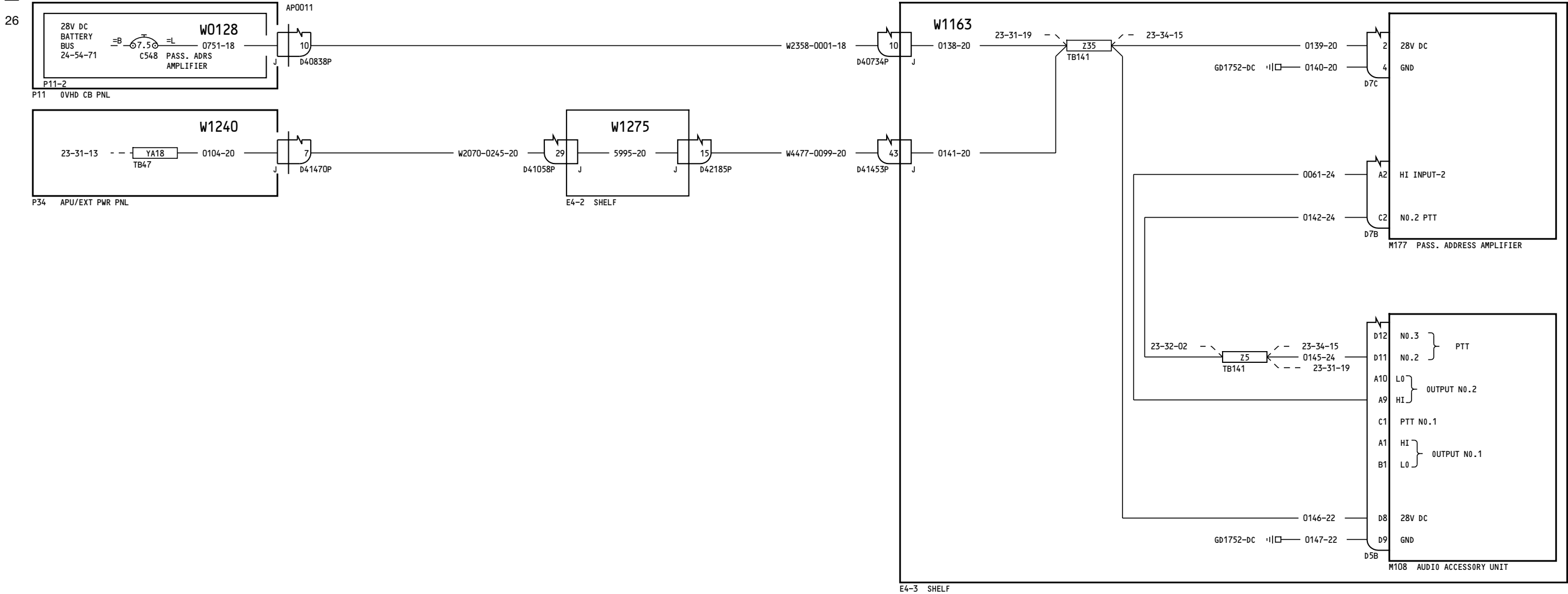
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PASS. ADDRESS VOICE INPUT
CIRCUITRY - PASSENGER
ADDRESS SYSTEM

D280N032

23-31-11

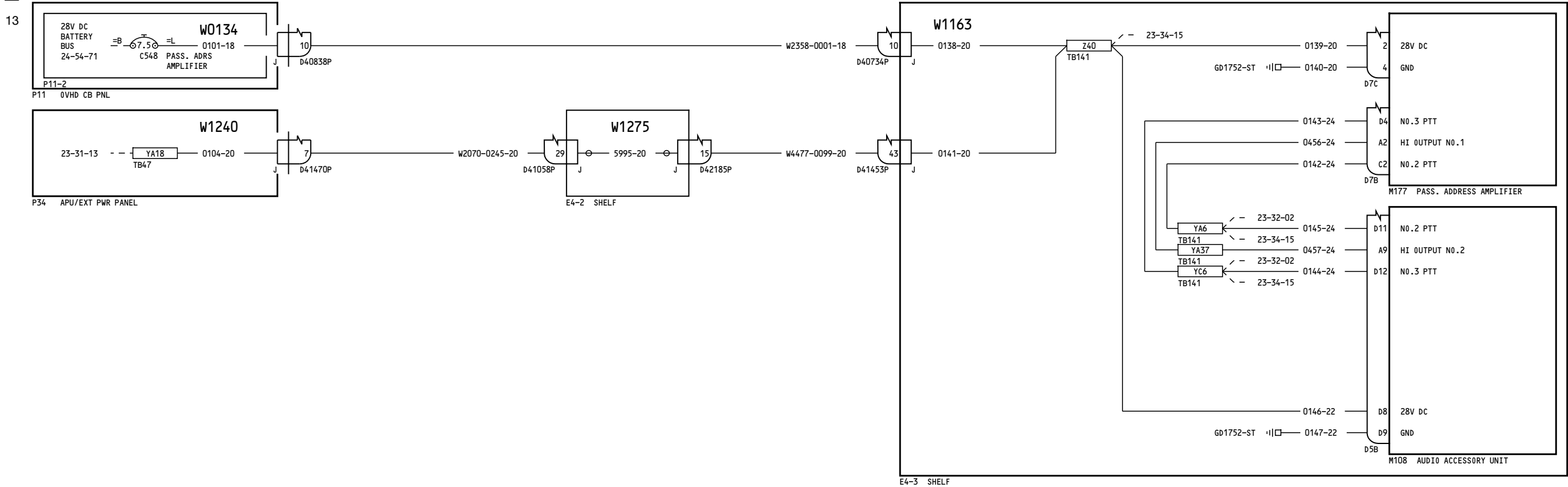
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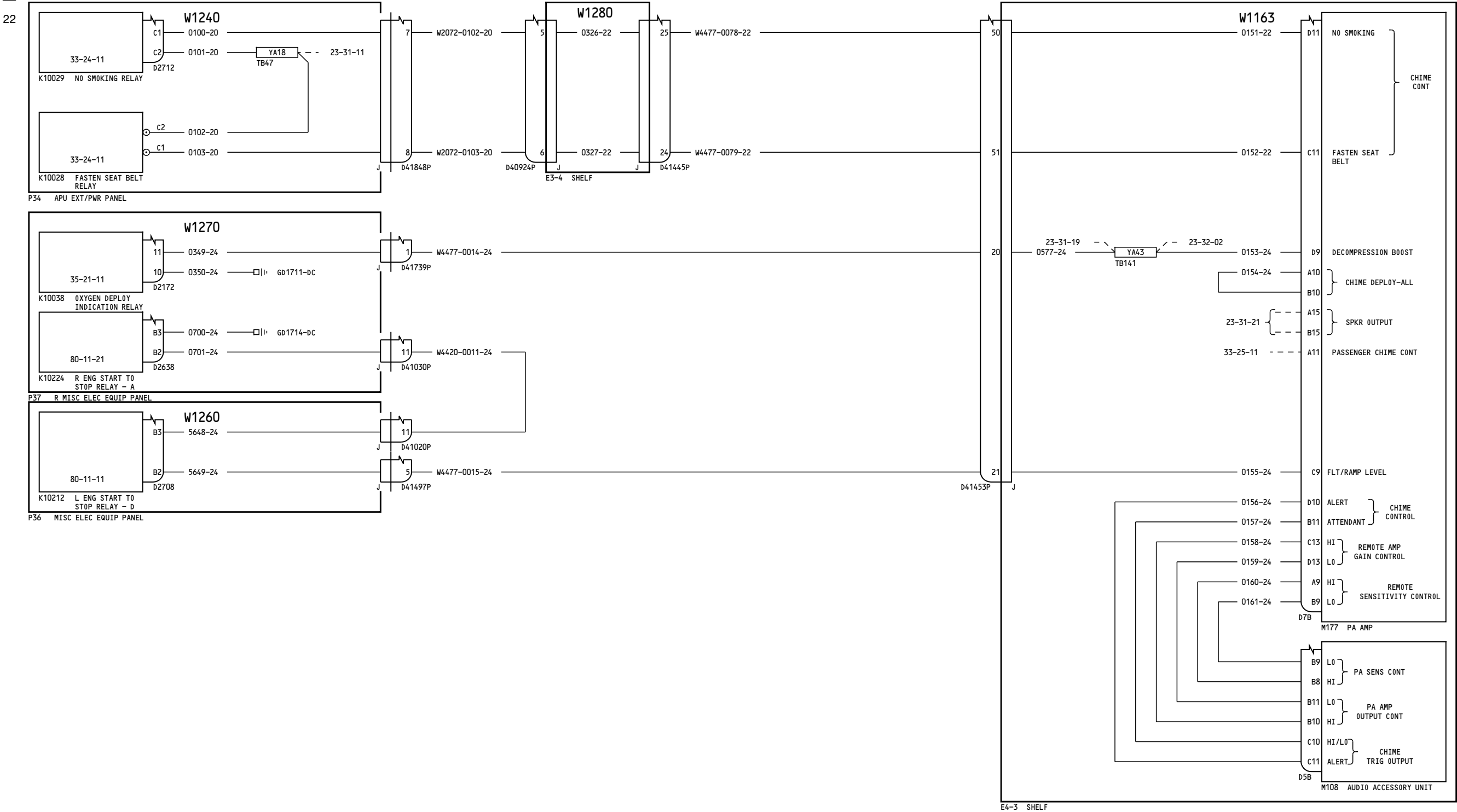
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PASSENGER ADDRESS
OUTPUT AND CONTROLS

D280N032

23-31-13

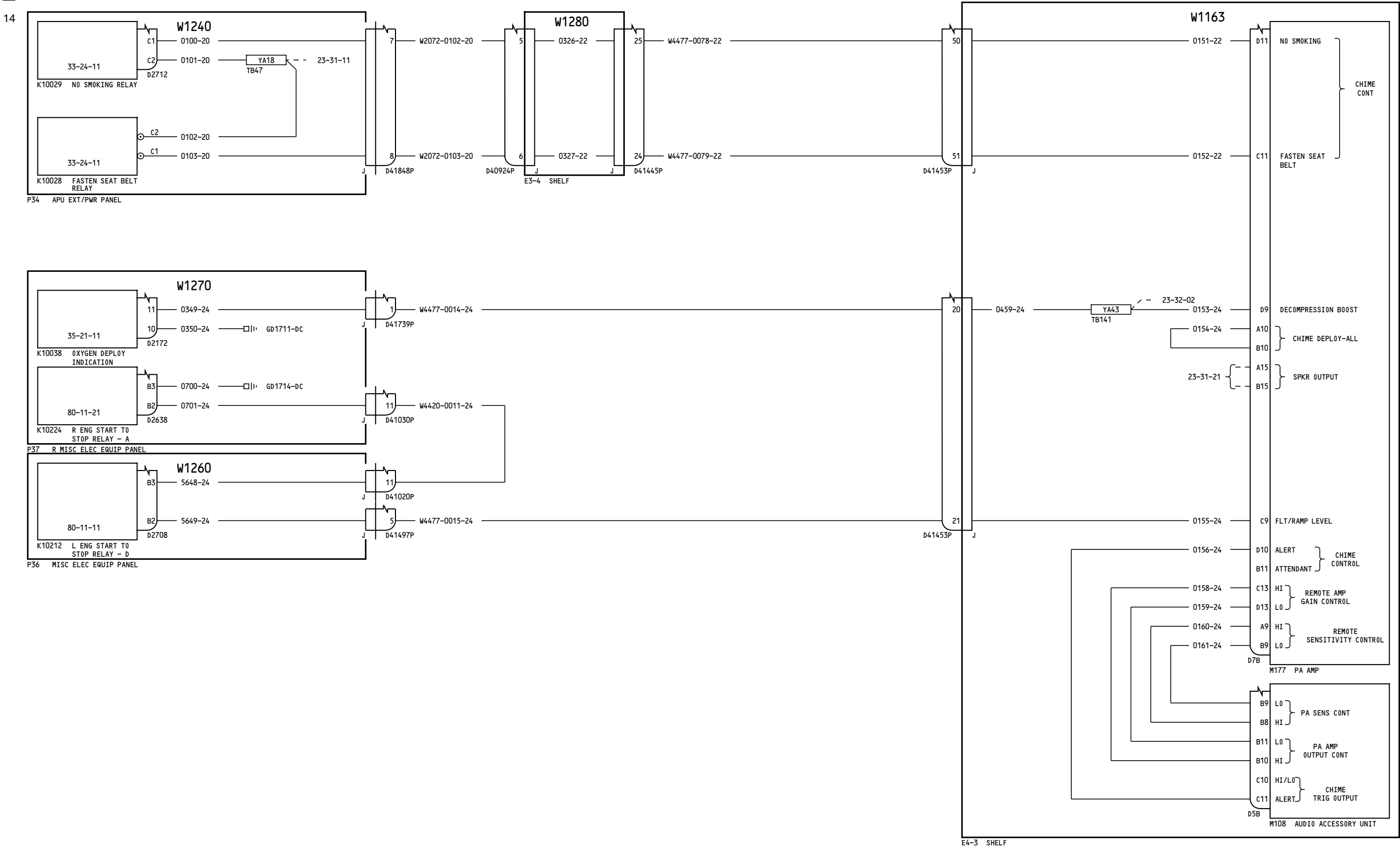
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PASSENGER ADDRESS
OUTPUT AND CONTROLS

23-31-13

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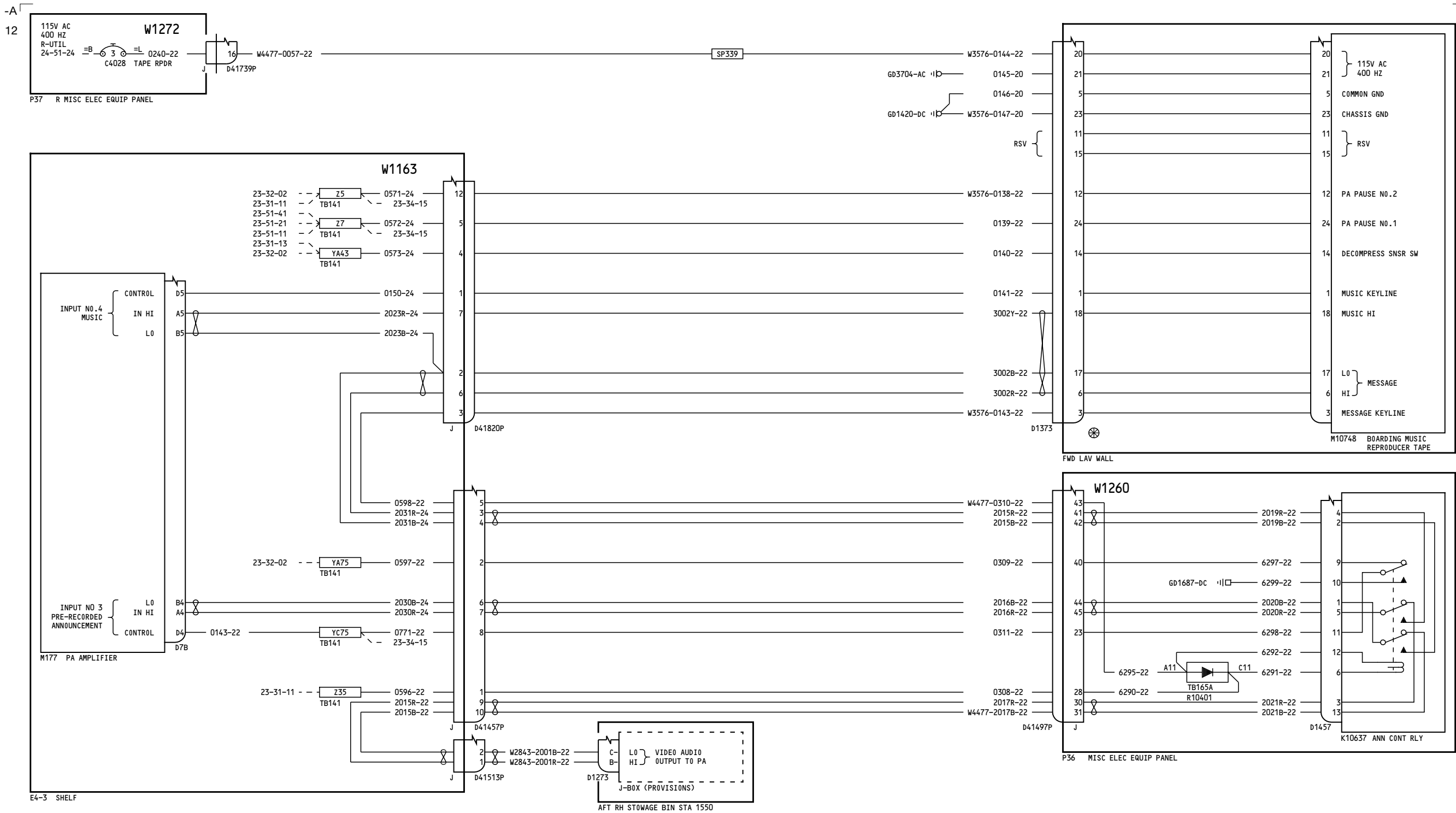
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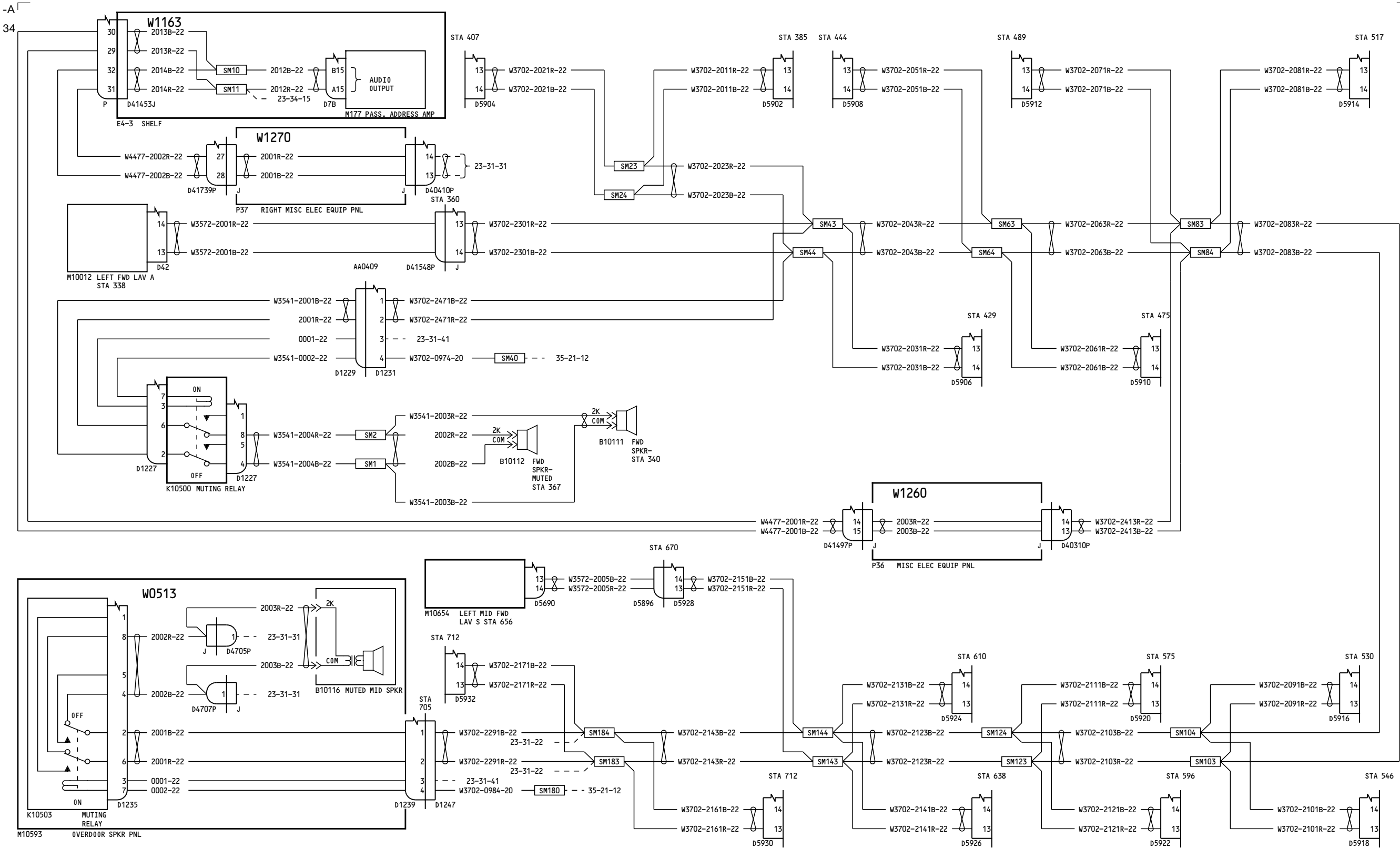
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PASSENGER ADDRESS AND
MUTING SPEAKERS - LEFT

D280N032

23-31-21

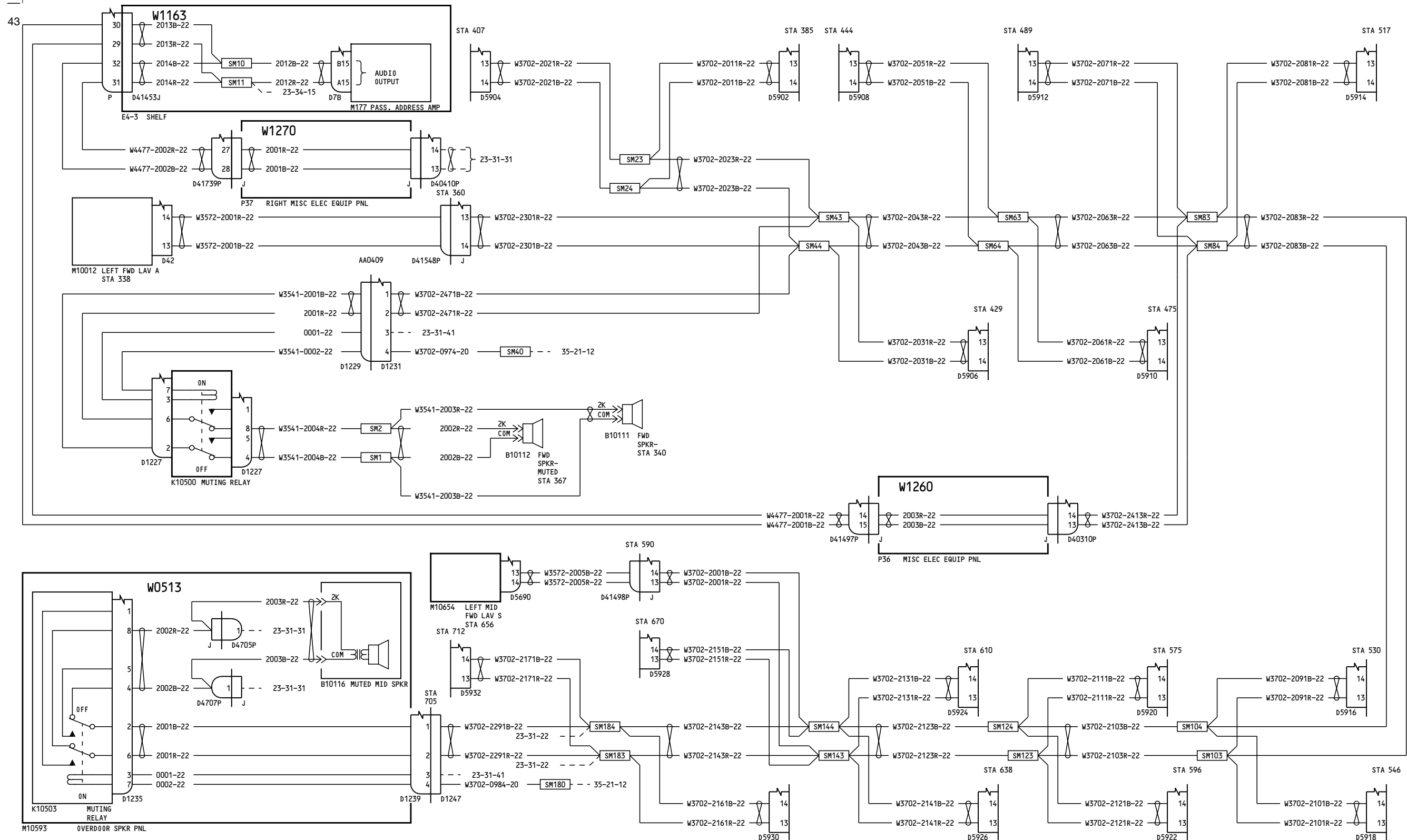
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PASSENGER ADDRESS AND MUTING SPEAKERS - LEFT

D280N032

23-31-21

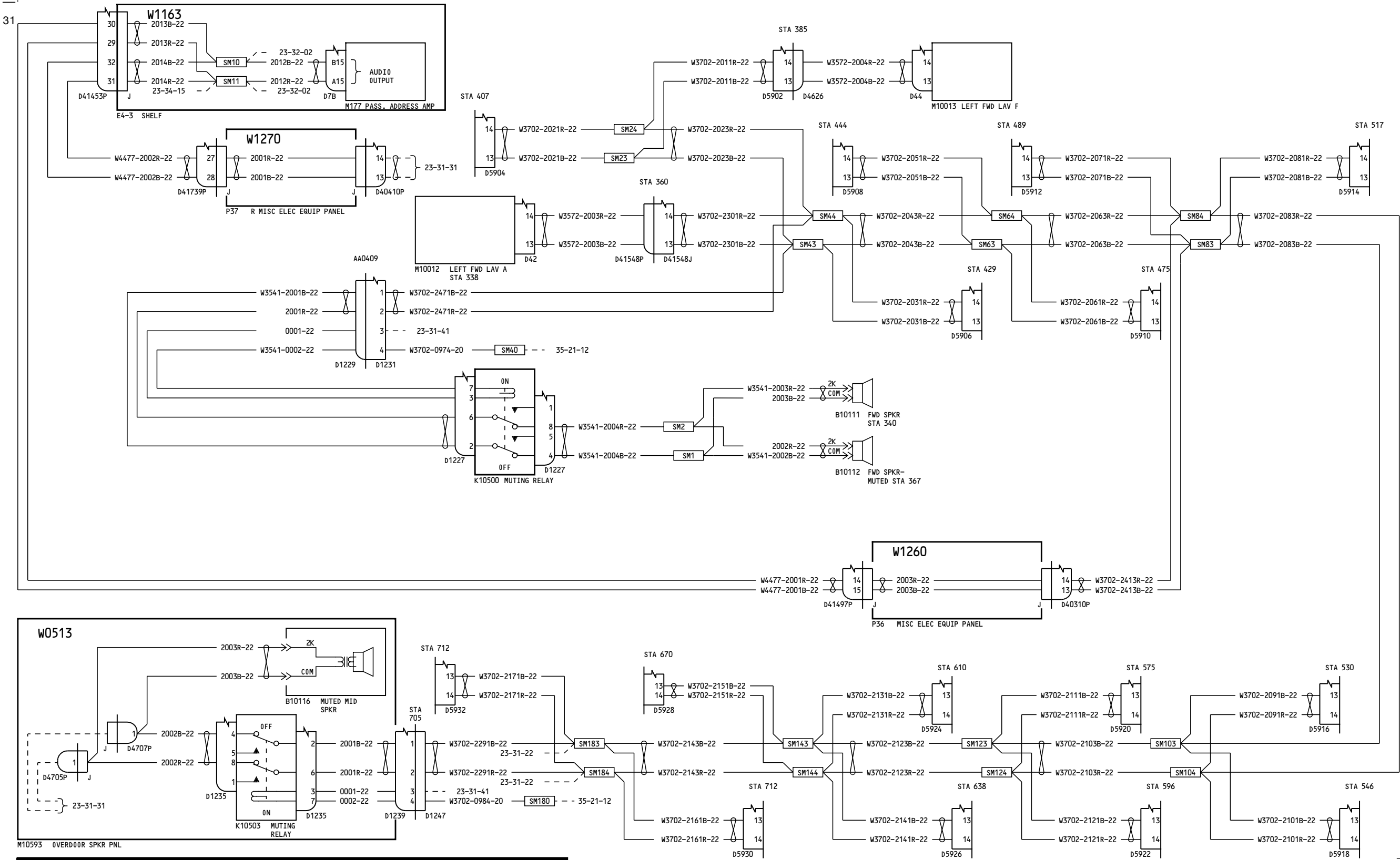
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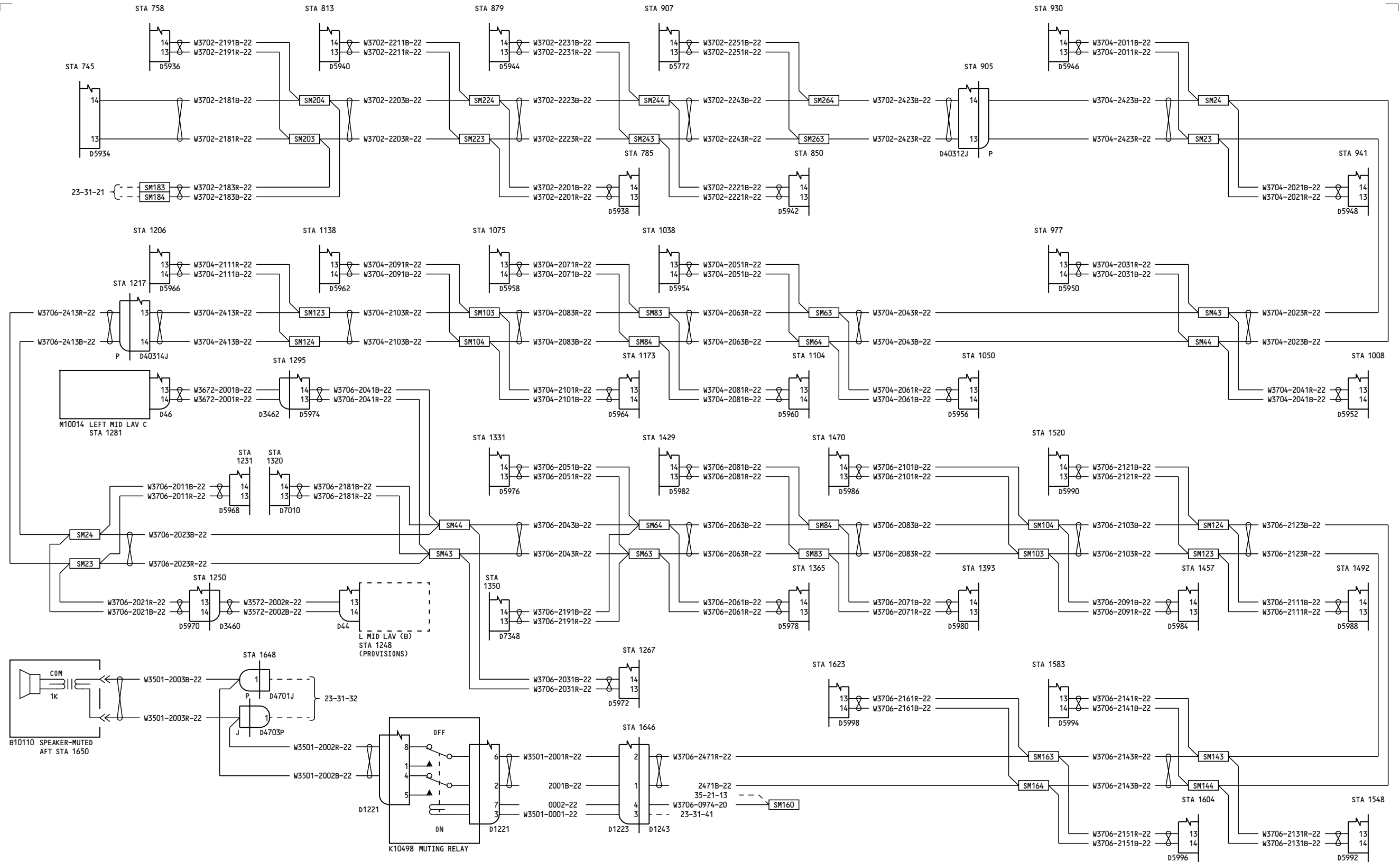
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**PASSENGER ADDRESS
SPEAKERS - LEFT OUTPUT
NO.1**

D280N032

23-31-22

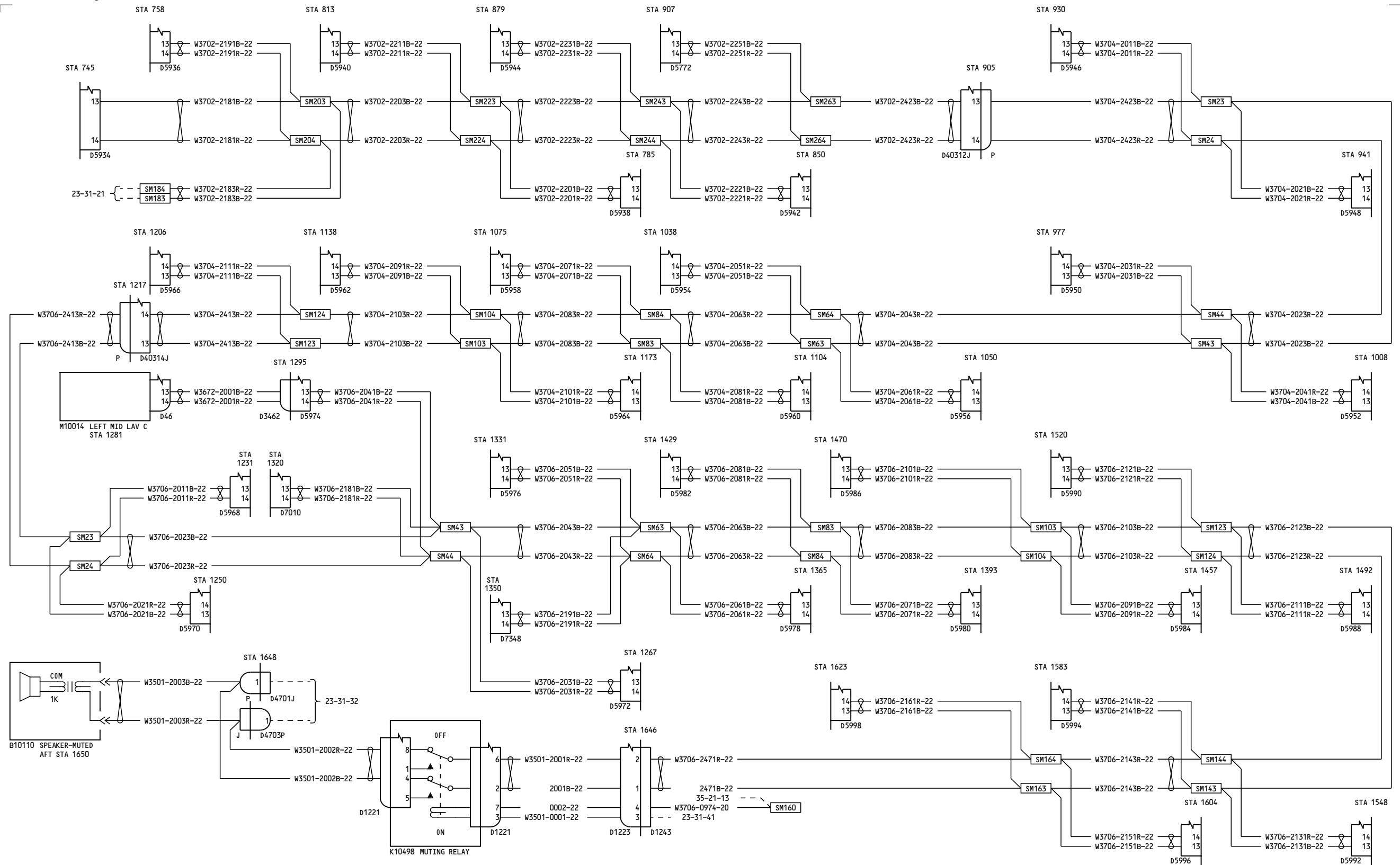
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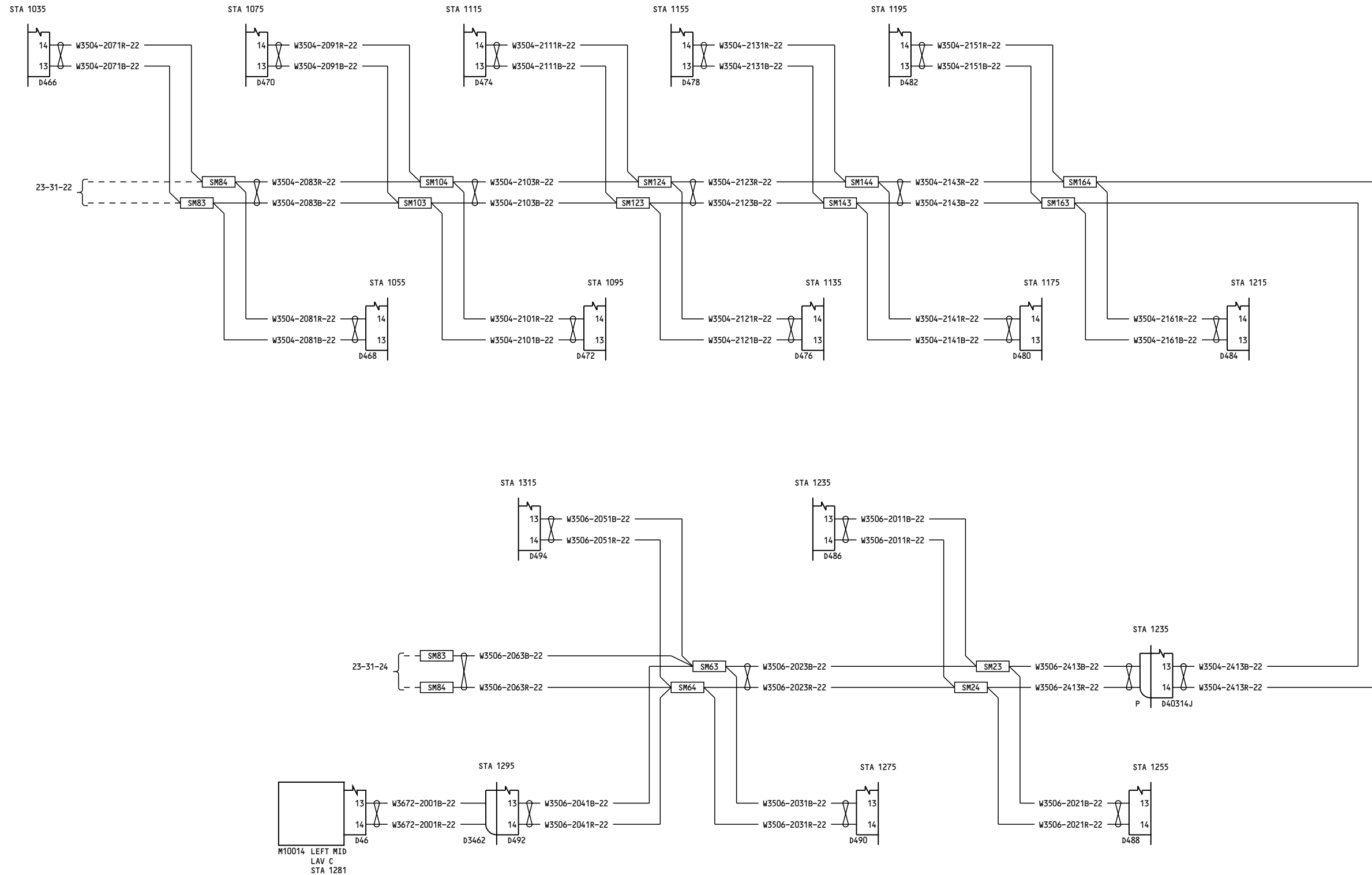
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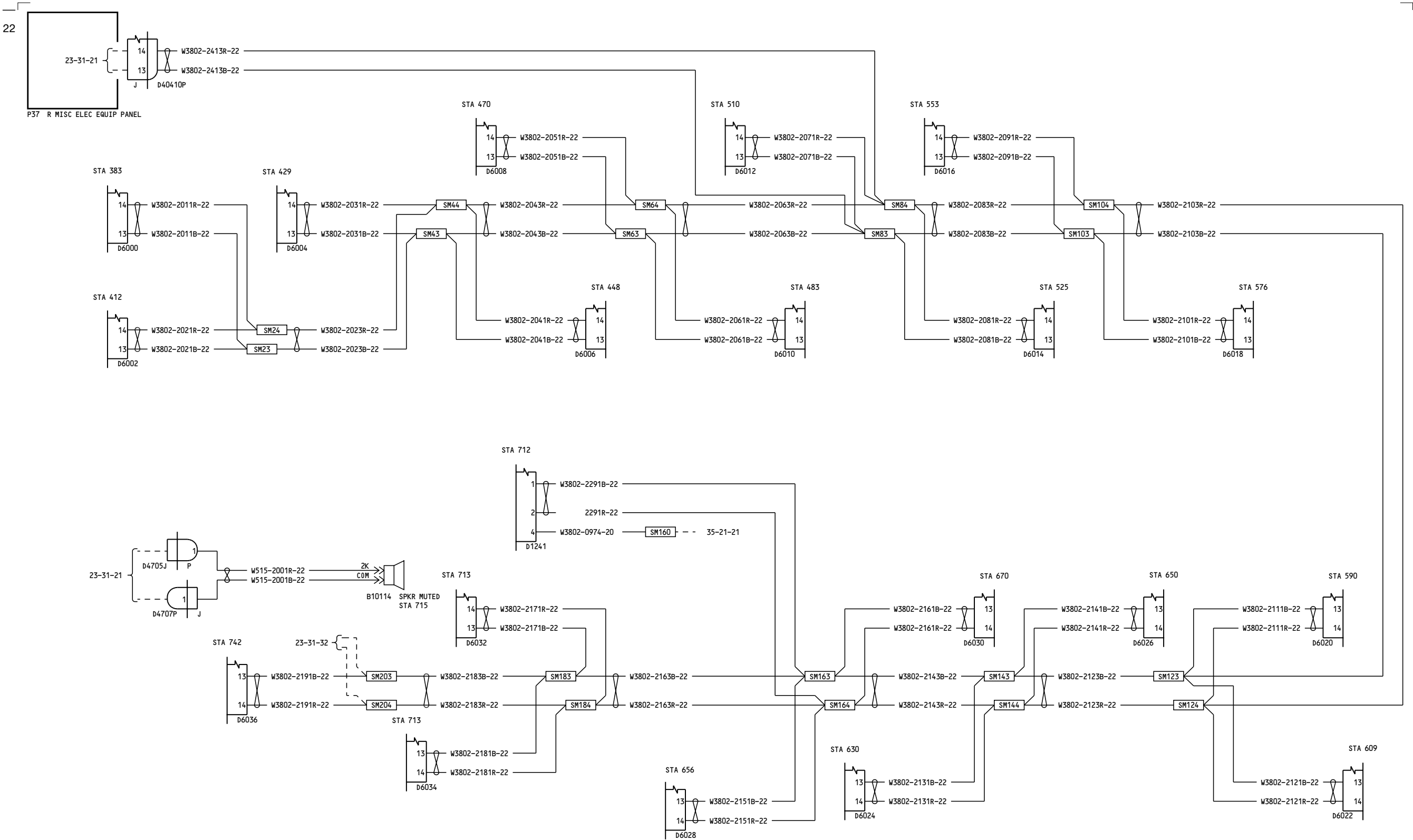
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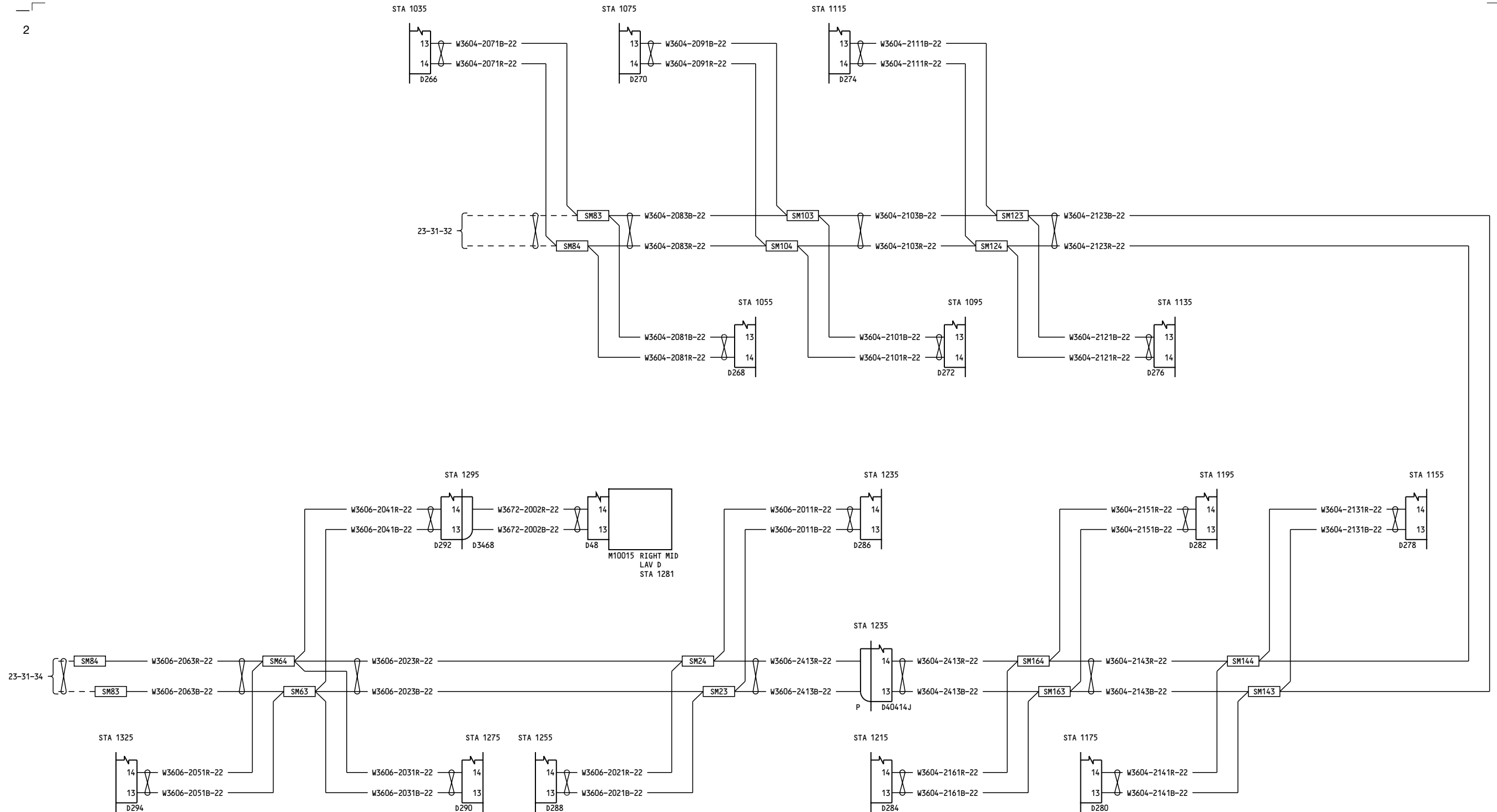
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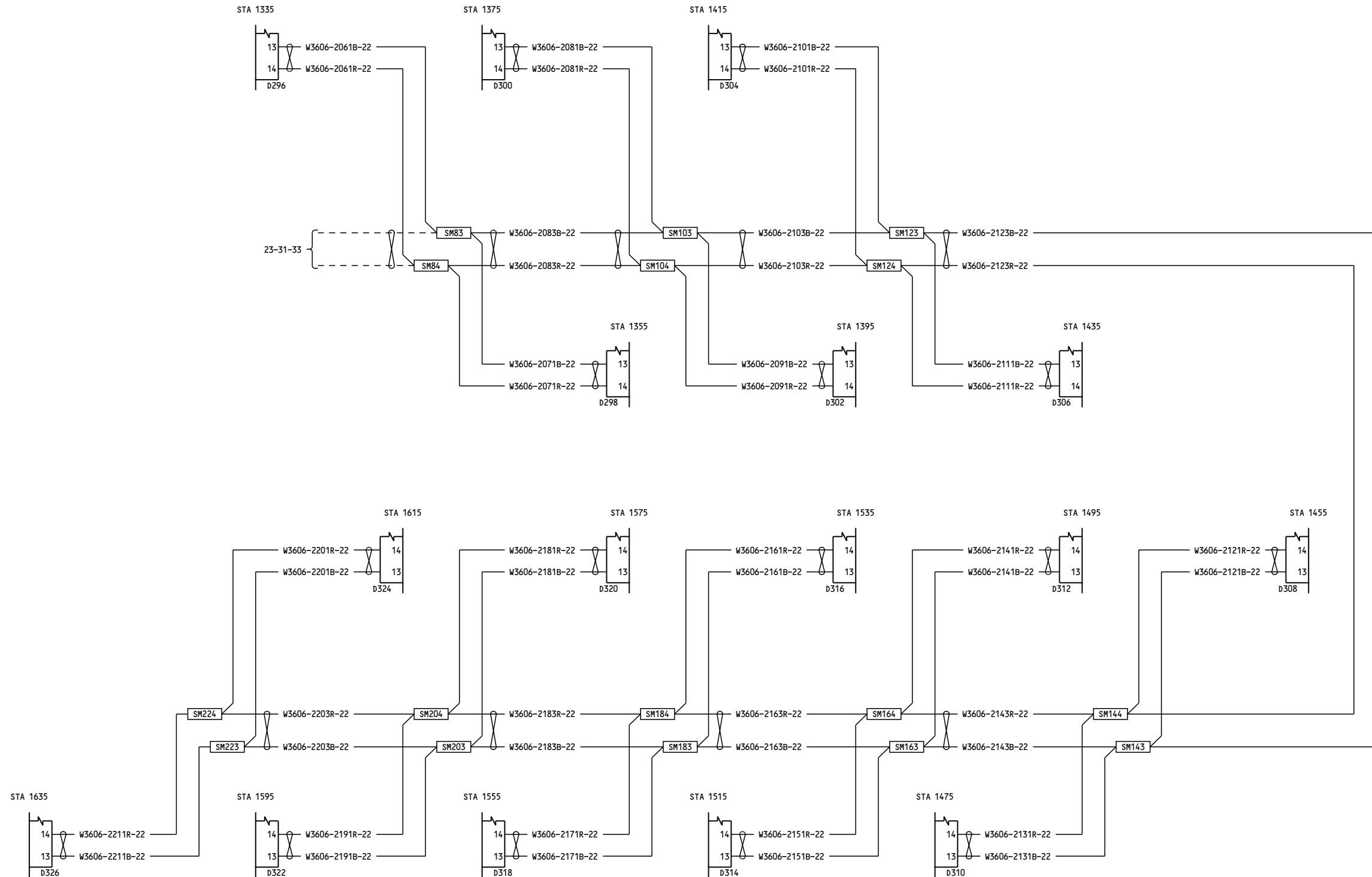
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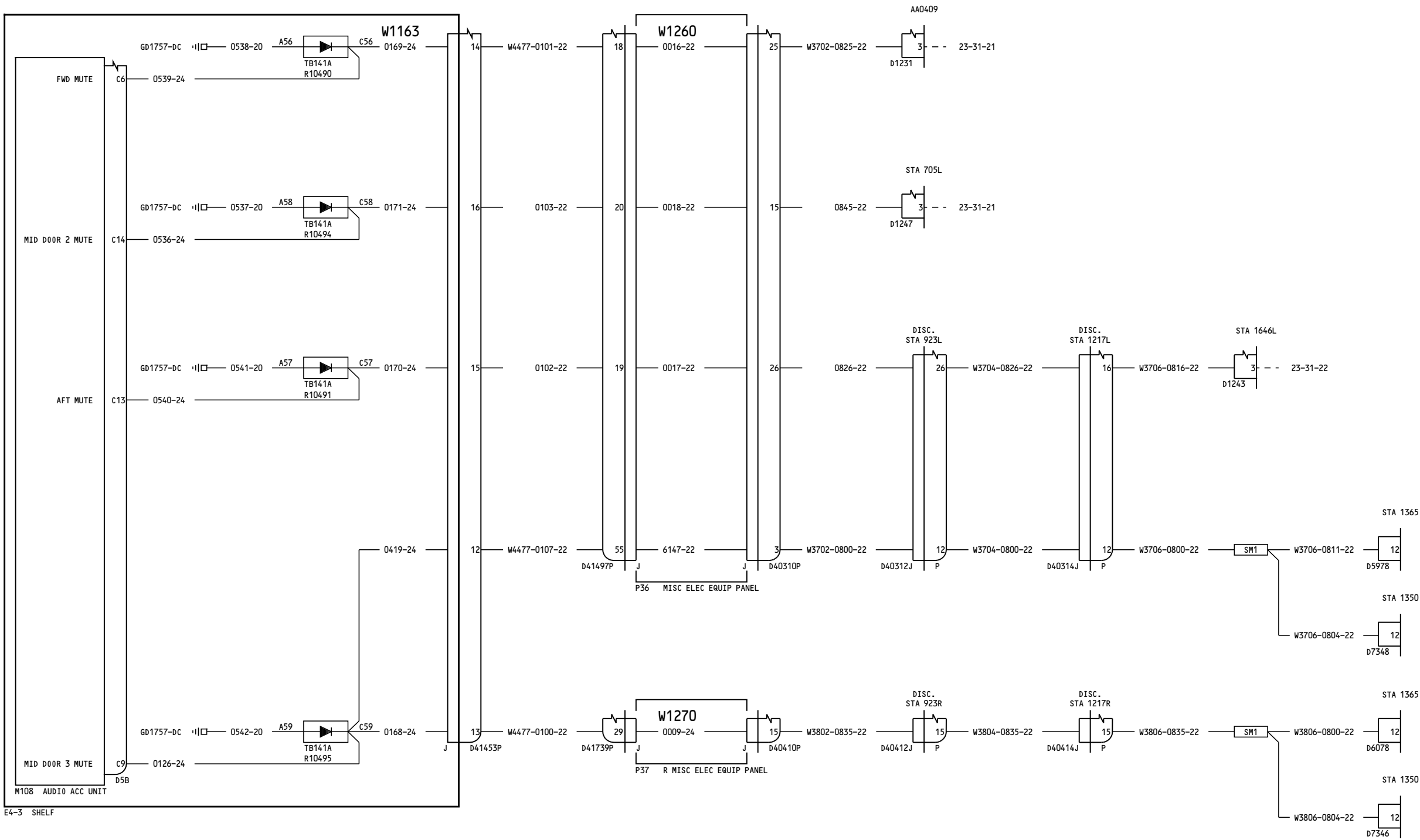












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**PASSENGER ADDRESS
SPEAKERS AND AUDIO
ACCESSORY UNIT**

D280N032

23-31-41

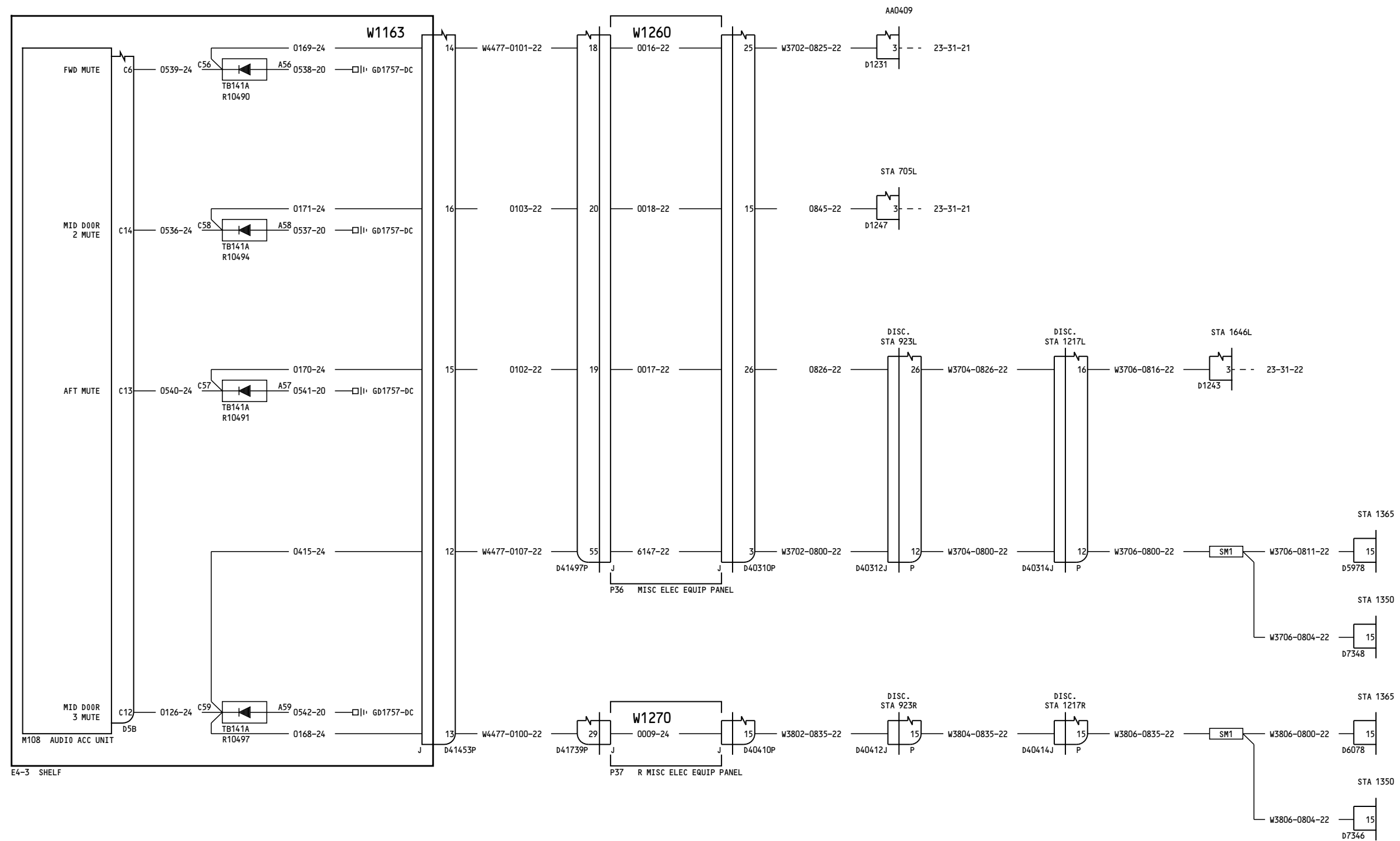
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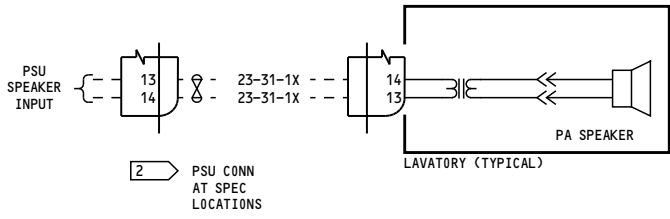
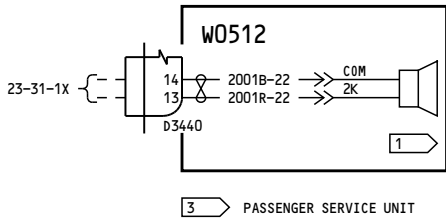
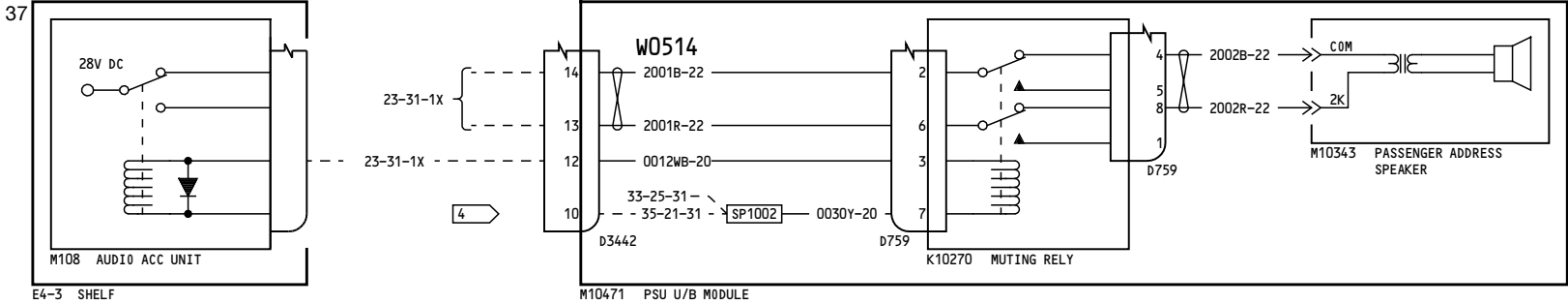


TABLE 1 MUTING CAPABILITY

PSU CONN STA LOC	SPKR STA LOC	SPEAKER/ FUNCTION	MUTING RELAY	AUDIO ACC UNIT E4-3 CONN D58 PIN NO 23-31-41	SPEAKER REF. WIRE DIAGRAM
LH409	LH 367	B10112 MUTED	K10500	C6	23-31-21
5	LH 340	B10111 MUTED			23-31-21
LH705	LH 710	B10116 MUTED	K10503	C14	23-31-21
6	RH 715	B10114 MUTED			23-31-31
LH1365	LH 1365	M10343 MUTED	K10270	C9	23-31-22
RH1365	RH 1365	M10343 MUTED	K10270	C9	23-31-32
LH1646	LH 1650	B10110 MUTED	K10498	C13	23-31-22
7	RH 1650	B10140 MUTED			23-31-32

LH SPEAKER ARRANGEMENT

STA NO	CONNECTOR	DISCRIPTION
360	D41548	2
385	D5902	
407	D5904	
409	D1231	4
429	D5906	
444	D5908	
475	D5910	
489	D5912	
517	D5914	1
530	D5916	
546	D5918	
575	D5920	
596	D5922	
610	D5924	1
638	D5926	1
670	D5928	
705	D1247	
712	D5930	
712	D5932	
745	D5934	1
758	D5936	
785	D5938	1
813	D5940	
850	D5942	1
879	D5944	
907	D5772	1
930	D5946	
941	D5948	
977	D5950	
1006	D5952	1
1038	D5954	1
1050	D5956	
1075	D5958	
1104	D5960	1
1138	D5962	
1173	D5964	
1206	D5966	1
1231	D5968	
1250	D5970	
1267	D5972	
1295	D5974	2
1331	D5976	
1365	D5978	4
1393	D5980	
1429	D5982	1
1457	D5984	
1470	D5986	1
1492	D5988	
1520	D5990	
1548	D5992	1
1583	D5994	
1604	D5996	
1623	D5998	1
1646	D1243	4

RH SPEAKER ARRANGEMENT

STA NO	CONNECTION	DESCRIPTION
383	D6000	
412	D6002	
429	D6004	
448	D6006	1
470	D6008	1
483	D6010	
510	D6012	
525	D6014	
553	D6016	
576	D6018	1
590	D6020	
609	D6022	
630	D6024	1
650	D6026	
656	D6028	
670	D6030	
713	D6032	
713	D6034	
712	D1241	
742	D6036	1
757	D6038	1
785	D6040	
813	D6042	1
849	D6044	
879	D5872	1
930	D6046	
941	D6048	1
977	D6050	
1008	D6052	1
1040	D6054	
1050	D6056	
1074	D6058	1
1103	D6060	
1138	D6062	
1173	D6064	
1206	D6066	1
1233	D6068	
1250	D6070	
1267	D6072	1
1295	D6074	2
1330	D6076	
1365	D6078	4
1393	D6080	1
1429	D6082	
1456	D6084	1
1470	D6086	
1491	D6088	
1520	D6090	1
1548	D6092	
1583	D6094	1
1610	D6096	
1623	D6098	1
1646	D1245	
	D1241	

NOTES:

- 1 PSU SPEAKER (6") (M10342)
- 2 LAVATORY SPEAKER (5")
- 3 M3012 MODULE - PSU U/B - MULTI POSITION
- 4 SEE TABLE 1
- 5 THIS SPEAKER IS SPLICED IN AND MUTED WITH SPEAKER AT STA LH 367
- 6 THIS SPEAKER IS SPLICED IN AND MUTED WITH SPEAKER AT STA LH 710
- 7 THIS SPEAKER IS SPLICED IN AND MUTED WITH SPEAKER AT STA LH 1650

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PASSENGER ADDRESS
SPEAKER LOCATION

D280N032

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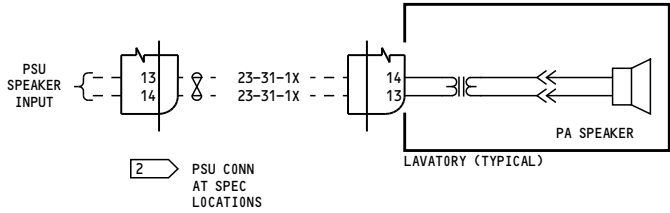
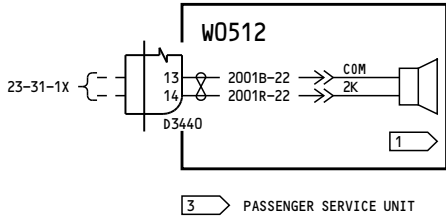
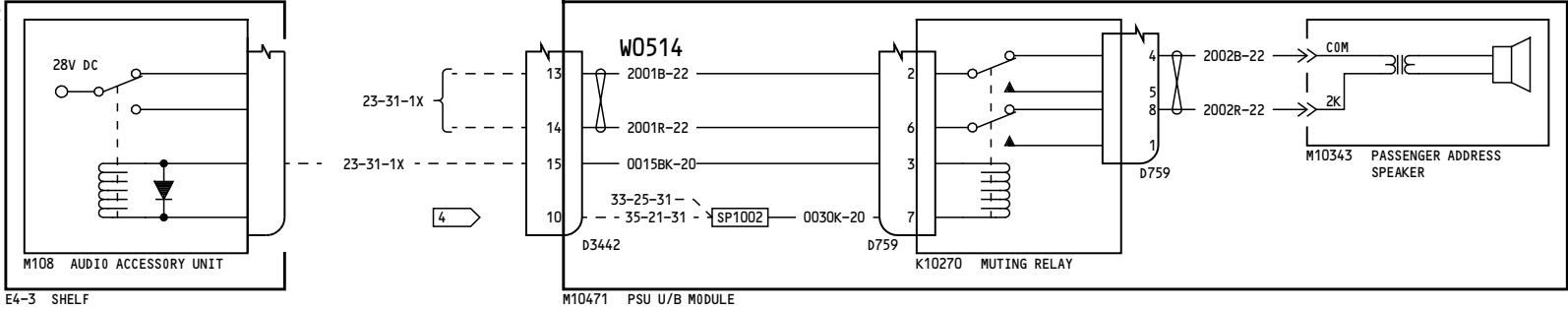


TABLE 1 MUTING CAPABILITY

PSU CONN STA LOC	SPKR STA LOC	SPEAKER/ FUNCTION	MUTING RELAY	AUDIO ACC UNIT E4-3 CONN D58 PIN NO 23-31-41	SPEAKER REF. WIRE DIAGRAM
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5	LH 340	B10111 MUTED			23-31-21
LH705	LH 710	B10116 MUTED	K10503	C14	23-31-21
6	RH 715	B10114 MUTED			23-31-31
LH1365	LH 1365	M10343 MUTED	K10270	C12	23-31-22
RH1365	RH 1365	M10343 MUTED	K10270	C12	23-31-32
LH1646	LH 1650	B10110 MUTED	K10498	C13	23-31-22
7	RH 1650	B10140 MUTED			23-31-32

LH SPEAKER ARRANGEMENT

STA NO	CONNECTOR	DISCRIPTION
360	D41548	2
385	D5902	
407	D5904	2
409	D1231	4
429	D5906	
444	D5908	1
475	D5910	
489	D5912	
517	D5914	1
530	D5916	
546	D5918	
575	D5920	1
596	D5922	
610	D5924	
638	D5926	1
670	D5928	
705	D1247	4
712	D5930	
712	D5932	
745	D5934	1
758	D5936	
785	D5938	
813	D5940	1
850	D5942	1
879	D5944	
907	D5772	1
930	D5946	
941	D5948	
977	D5950	1
1006	D5952	
1038	D5954	1
1050	D5956	
1075	D5958	
1104	D5960	1
1138	D5962	1
1173	D5964	
1206	D5966	1
1231	D5968	
1250	D5970	1
1267	D5972	
1295	D5974	2
1331	D5976	
1365	D5978	4
1393	D5980	1
1429	D5982	
1457	D5984	1
1470	D5986	
1492	D5988	1
1520	D5990	
1548	D5992	1
1583	D5994	
1604	D5996	1
1623	D5998	
1646	D1243	4

RH SPEAKER ARRANGEMENT

STA NO	CONNECTION	DESCRIPTION
383	D6000	1
412	D6002	1
429	D6004	
448	D6006	
470	D6008	1
483	D6010	
510	D6012	
525	D6014	1
553	D6016	
576	D6018	
590	D6020	1
609	D6022	
630	D6024	
650	D6026	1
656	D6028	
670	D6030	
713	D6032	
713	D6034	
712	D1241	
742	D6036	
757	D6038	
785	D6040	1
813	D6042	
849	D6044	1
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930	D6046	
941	D6048	
977	D6050	1
1008	D6052	1
1040	D6054	
1050	D6056	
1074	D6058	1
1103	D6060	
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1173	D6064	
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1233	D6068	
1250	D6070	1
1267	D6072	1
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1330	D6076	
1365	D6078	4
1393	D6080	1
1429	D6082	
1456	D6084	
1470	D6086	1
1491	D6088	
1520	D6090	1
1548	D6092	
1583	D6094	1
1610	D6096	1
1623	D6098	
1646	D1245	

NOTES:

- 1 PSU SPEAKER (6") (M10342)
- 2 LAVATORY SPEAKER (5")
- 3 M3012 MODULE - PSU U/B - MULTI POSITION
- 4 SEE TABLE 1
- 5 THIS SPEAKER IS SPLICED IN AND MUTED WITH SPEAKER AT STA LH 367
- 6 THIS SPEAKER IS SPLICED IN AND MUTED WITH SPEAKER AT STA LH 710
- 7 THIS SPEAKER IS SPLICED IN AND MUTED WITH SPEAKER AT STA LH 1650

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PASSENGER ADDRESS
SPEAKER LOCATION

23-31-42

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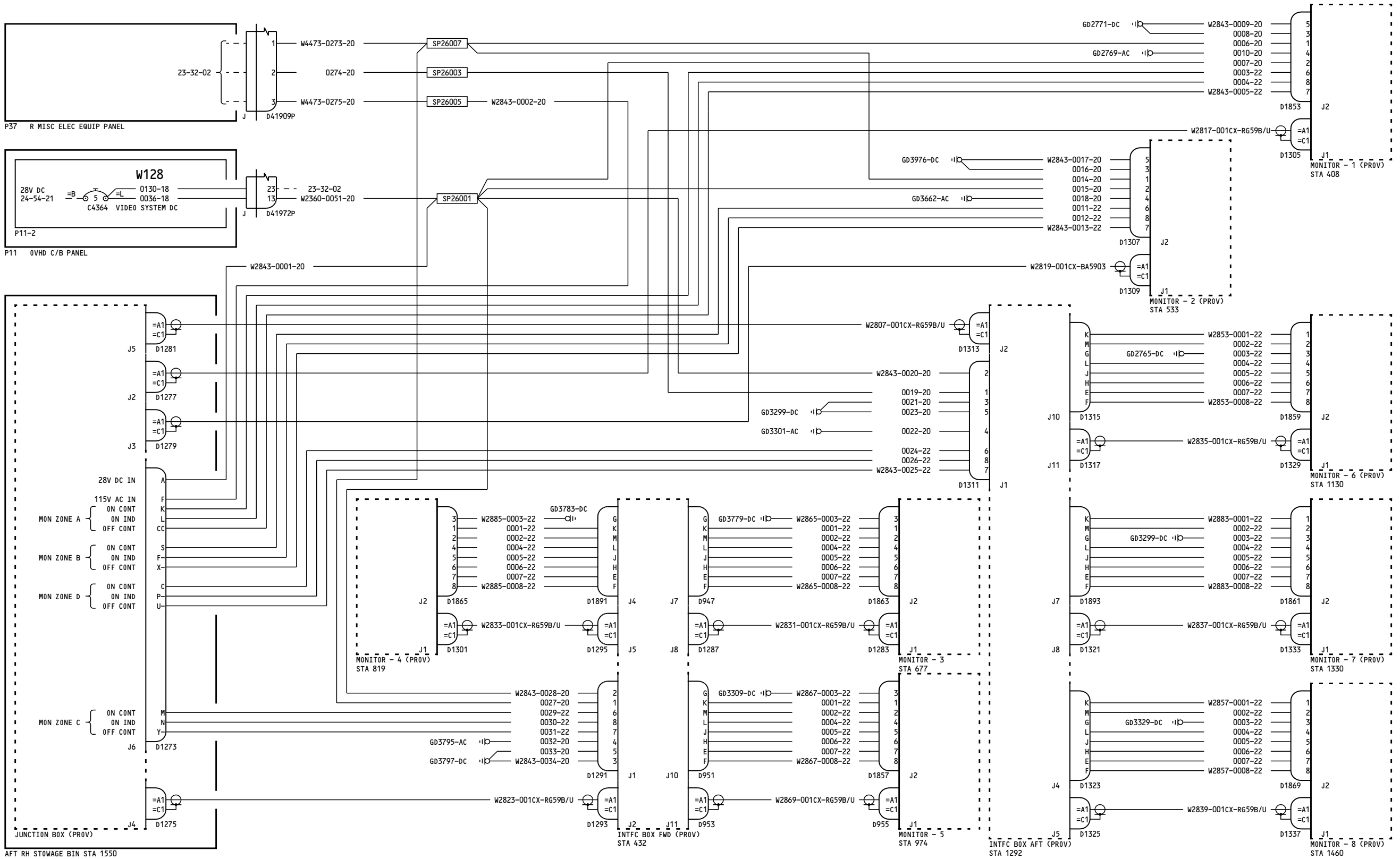
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D280N032

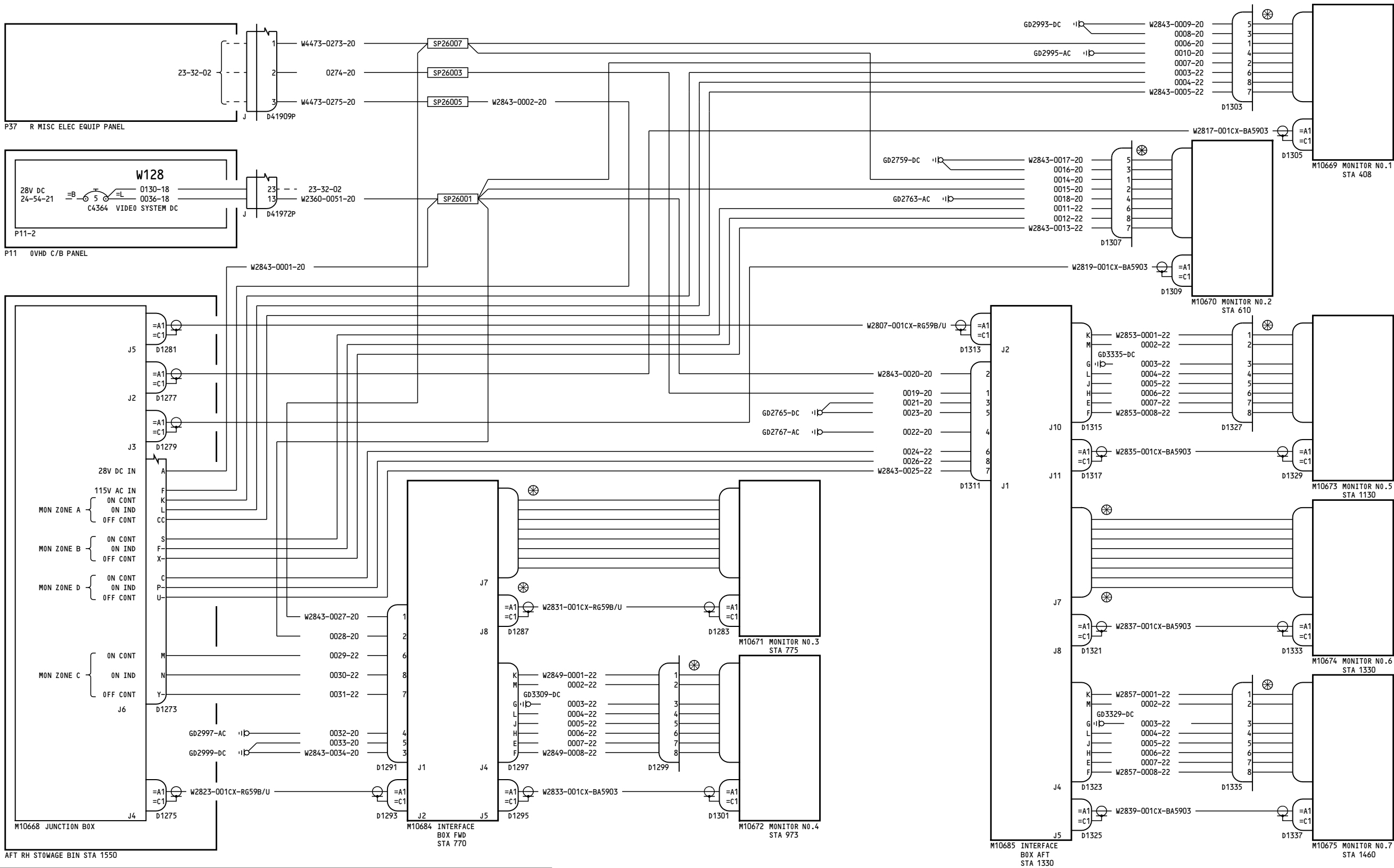
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VIDEO SYSTEM

23-32-01

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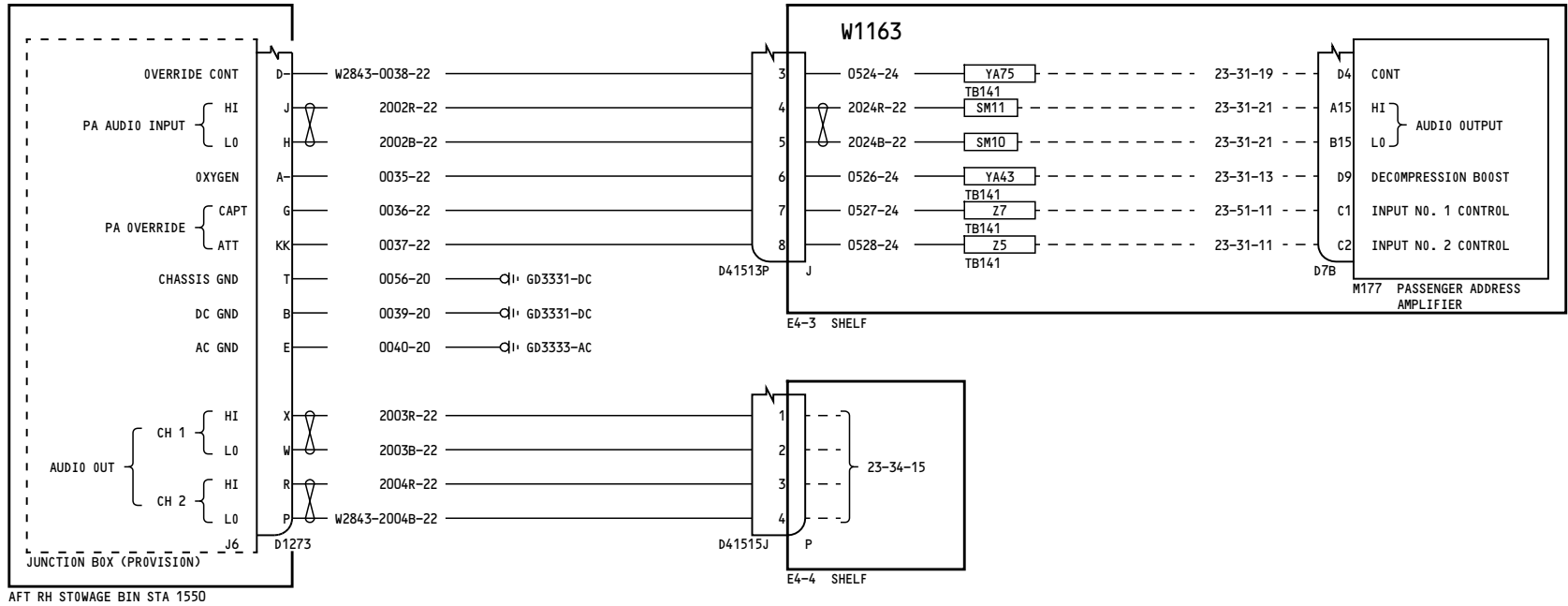
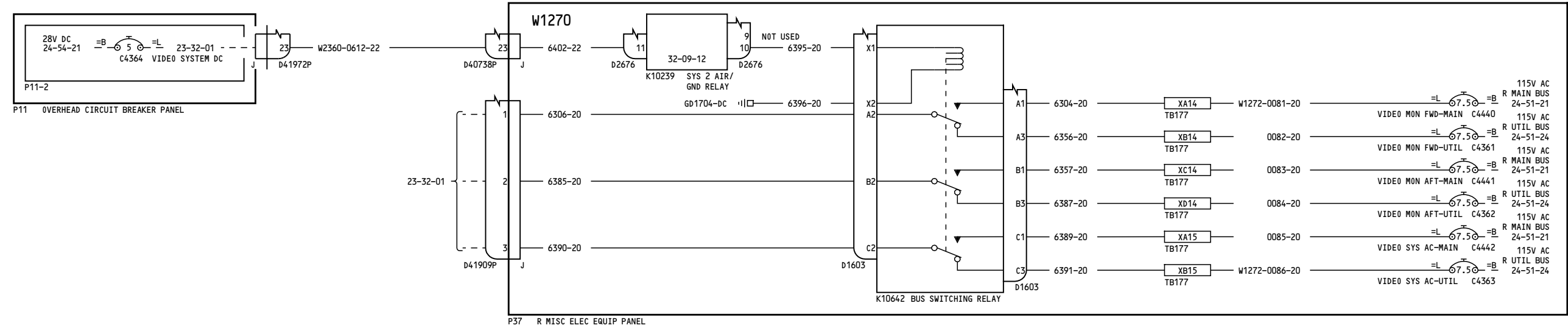
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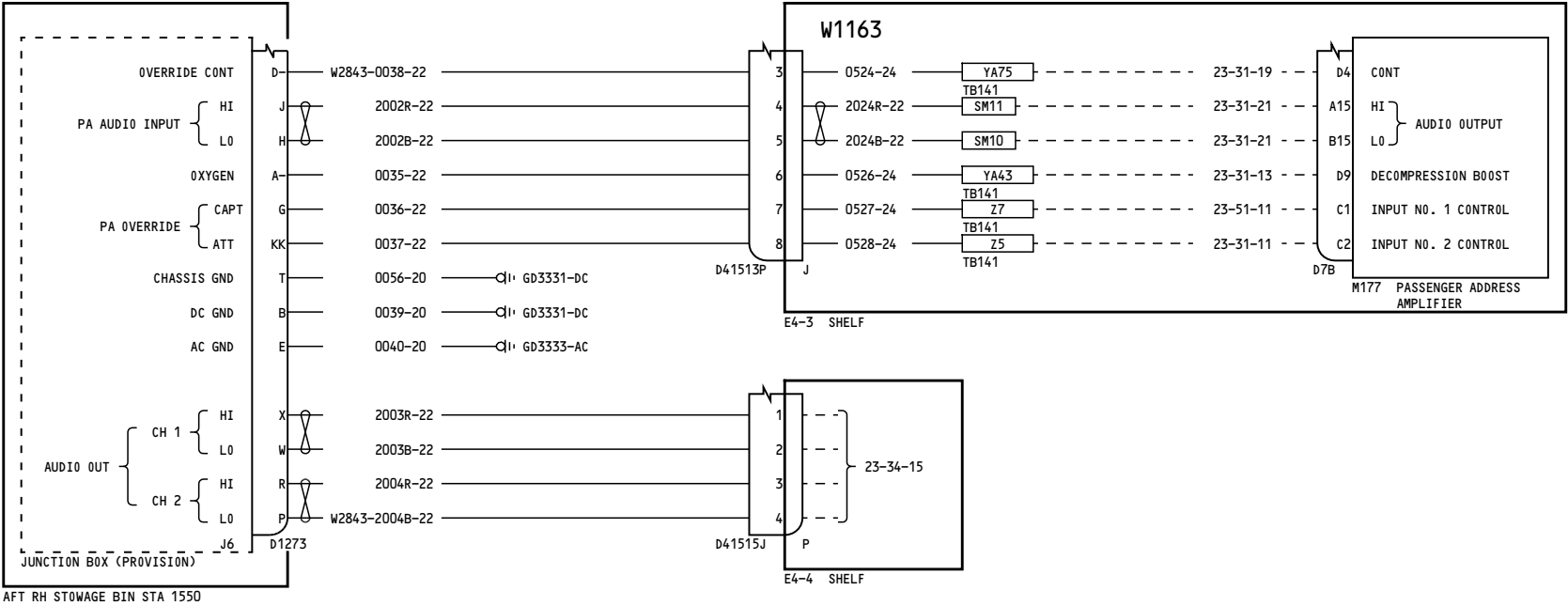
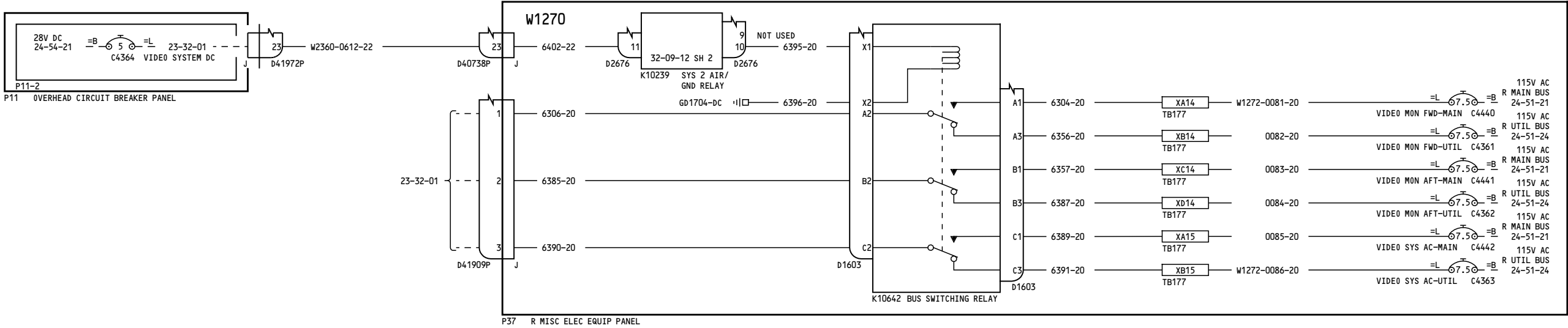
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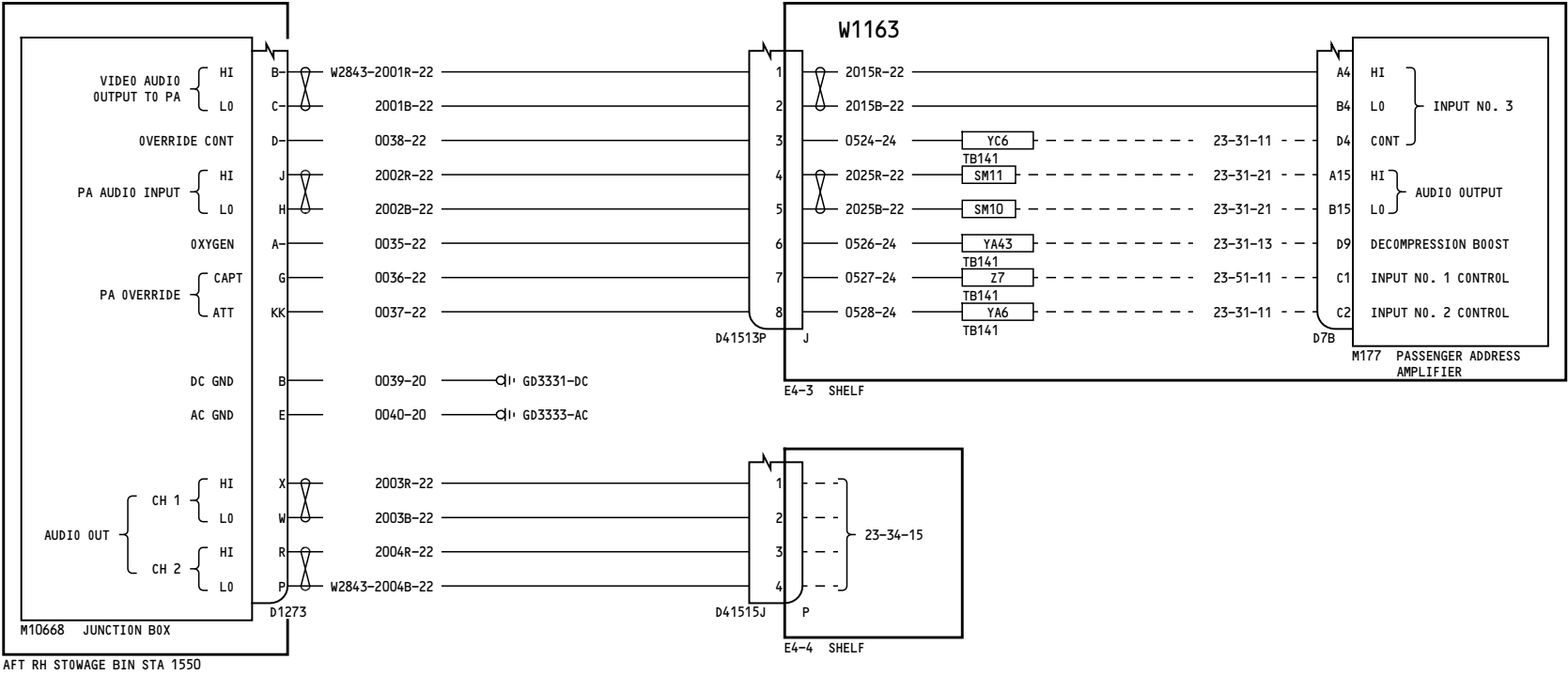
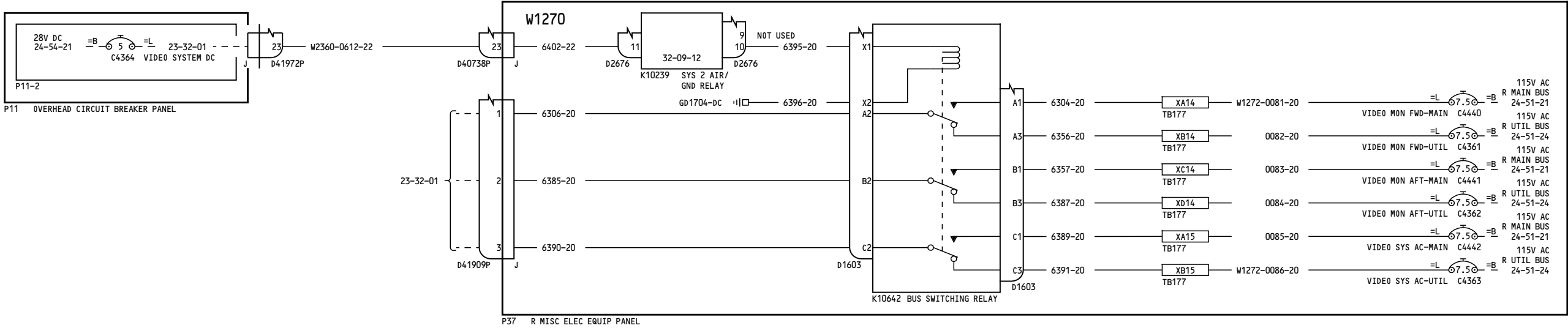
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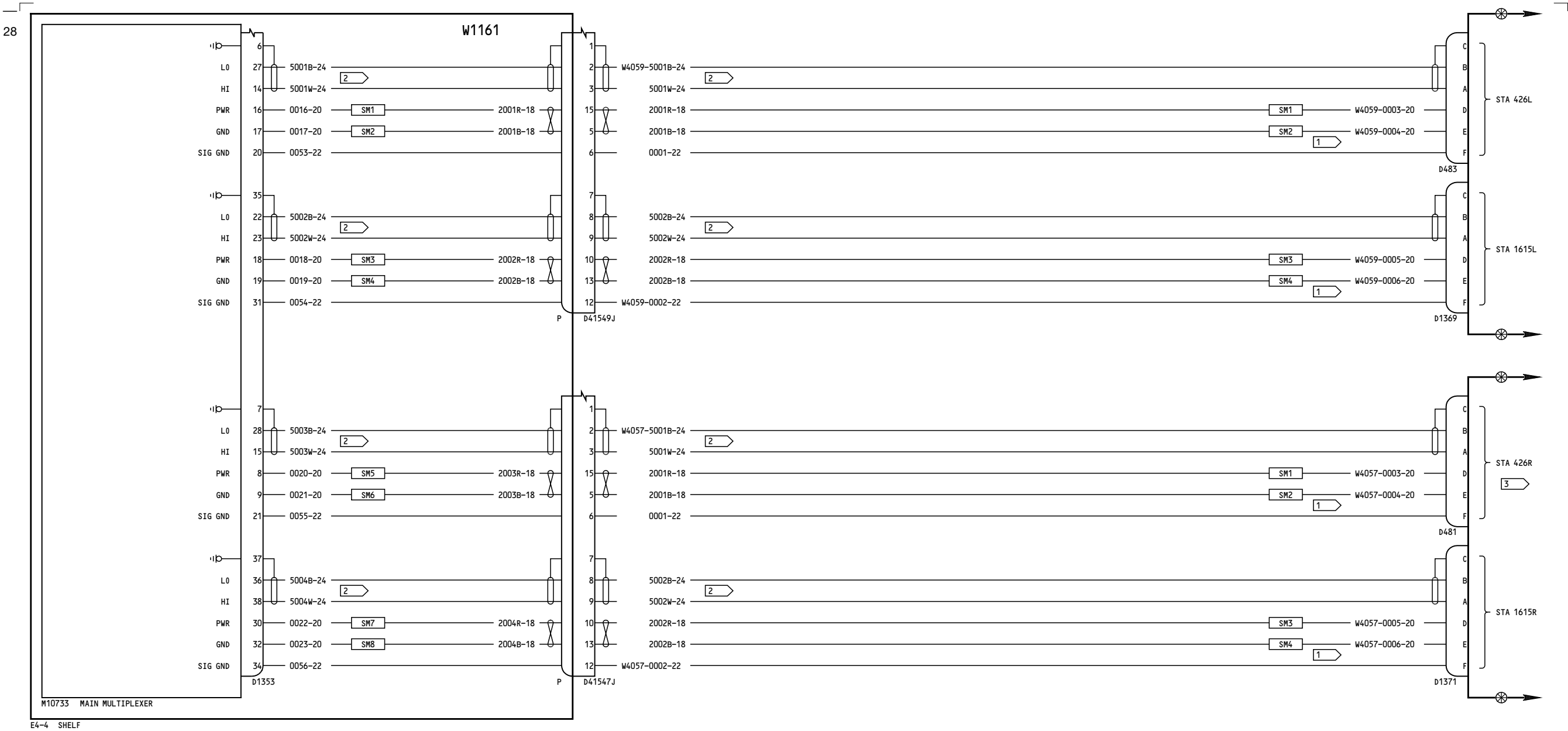








757-200 WIRING DIAGRAM MANUAL



NOTES:

- 1 1 FOOT MAX FROM SMUS TO SIDEWALL RECEPTACLES
- 2 CABLE P/N 10-60816-62
- 3 STA 455R FOR NB324 AND NB326 ONLY

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PASSENGER ENTERTAINMENT -
AUDIO DISTRIBUTION

D280N032

23-34-12

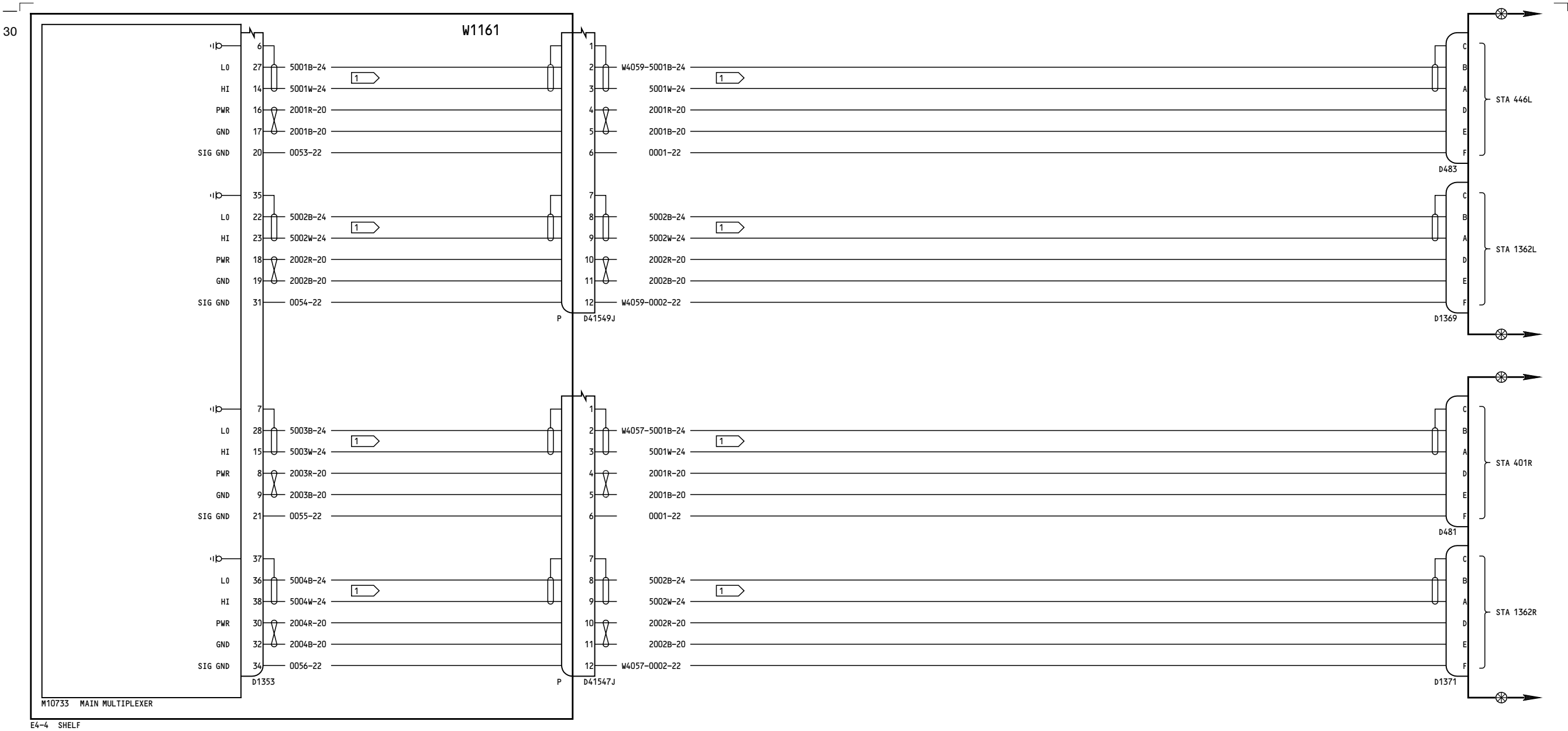
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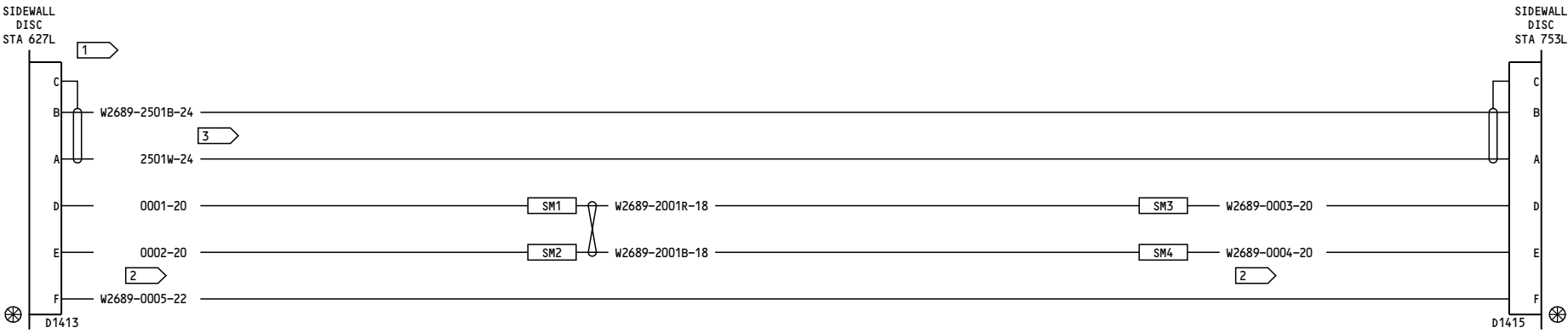
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NOTES:
1 CABLE P/N 10-60816-62



NOTES:

- 1 CABLE RUN IN SIDEWALL WITH FIXED SIDEWALL RECEPTACLES
- 2 1 FOOT MAX FROM SMUS TO SIDEWALL RECEPTACLES
- 3 CABLE P/N 10-60816-62

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PASSENGER ENTERTAINMENT -
AUDIO DISTRIBUTION - LEFT

D280N032

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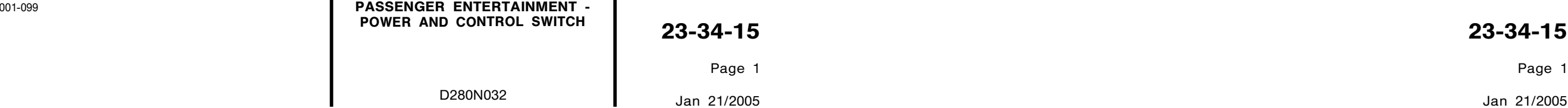
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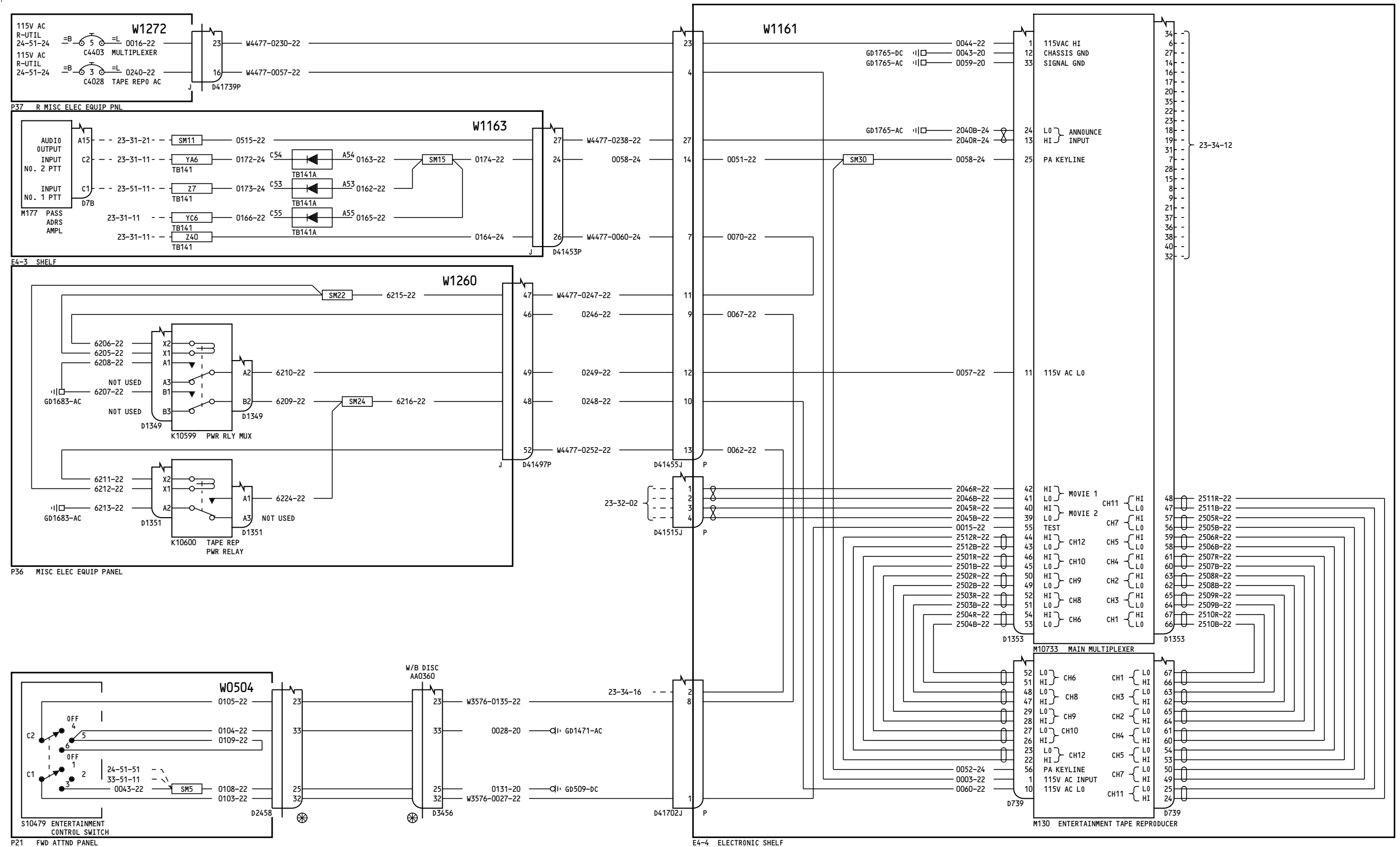
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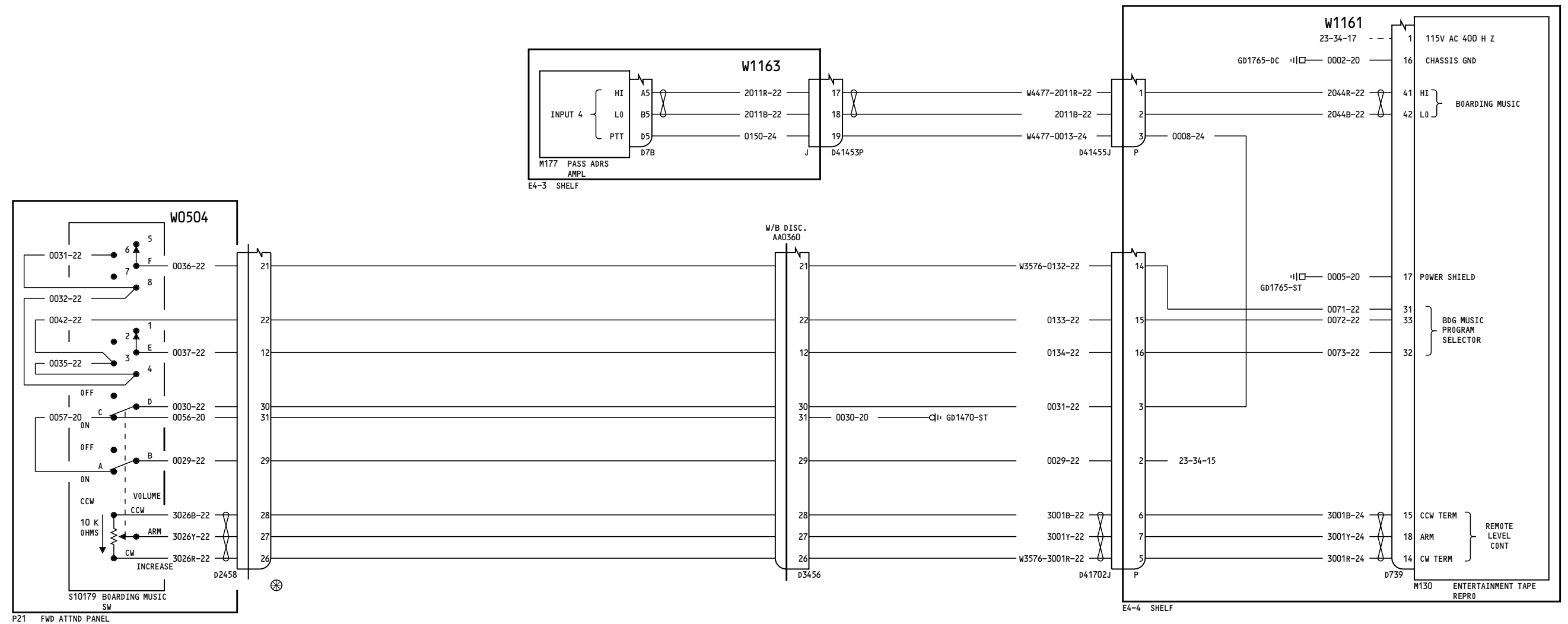


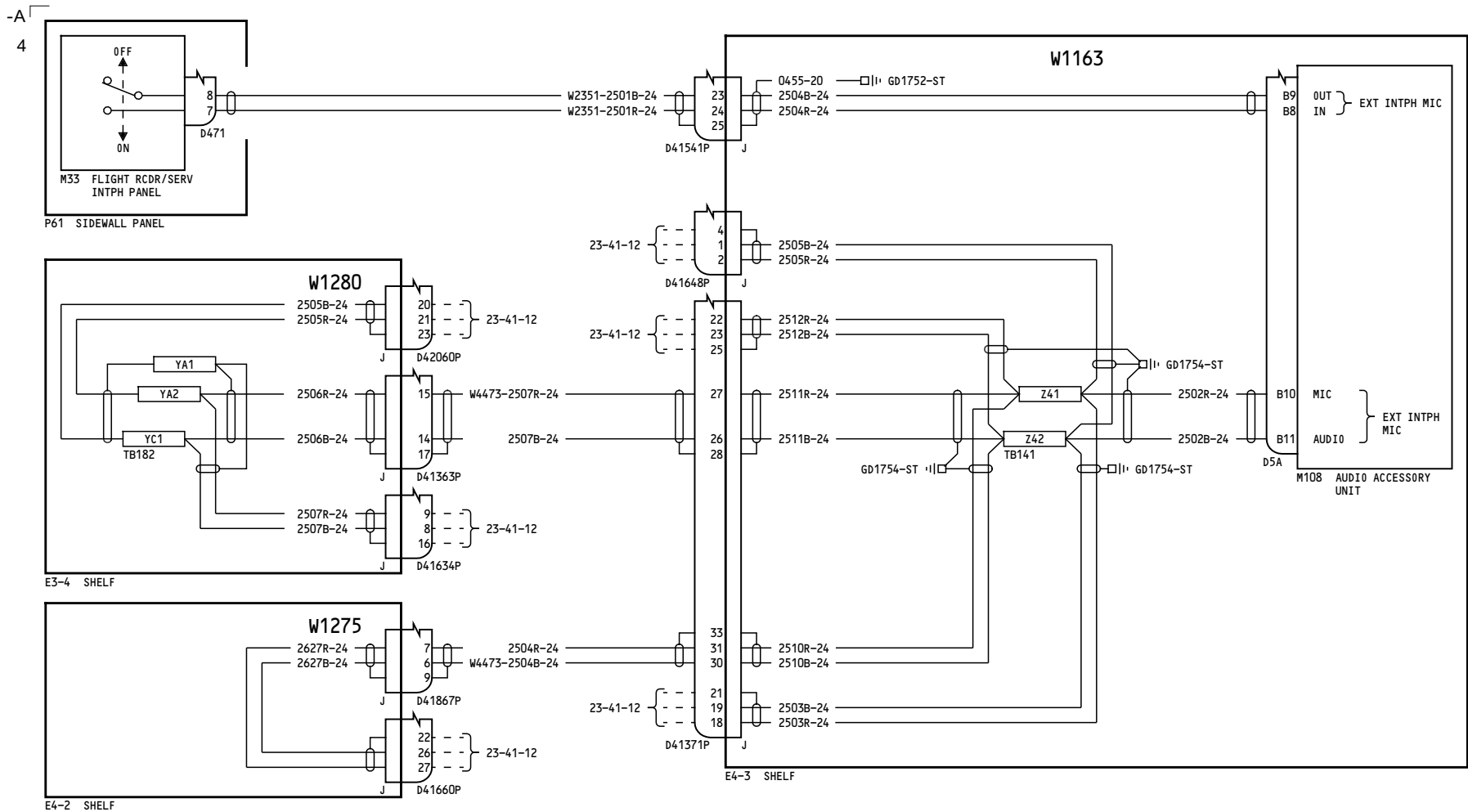
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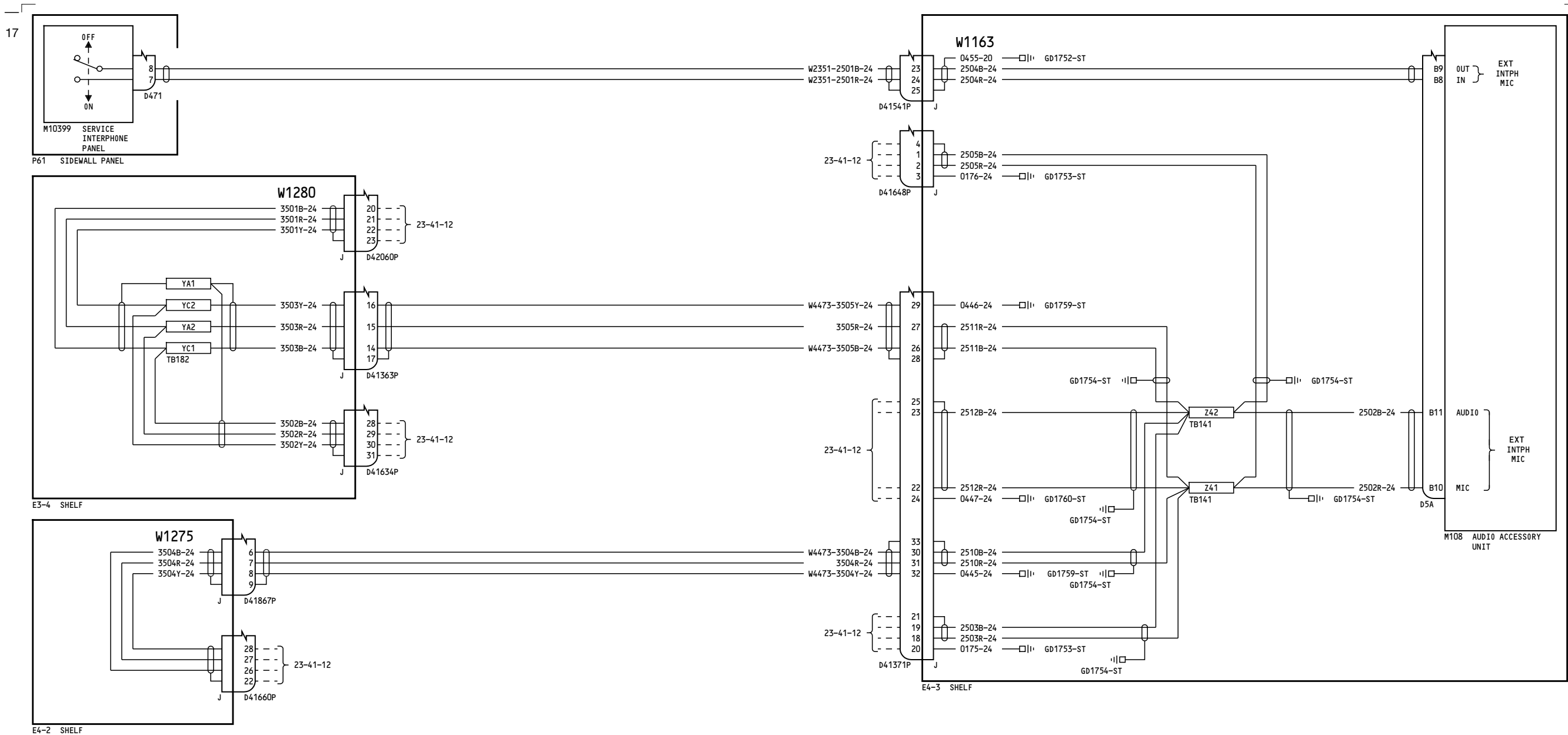


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SERVICE INTERPHONE JACKS

D280N032

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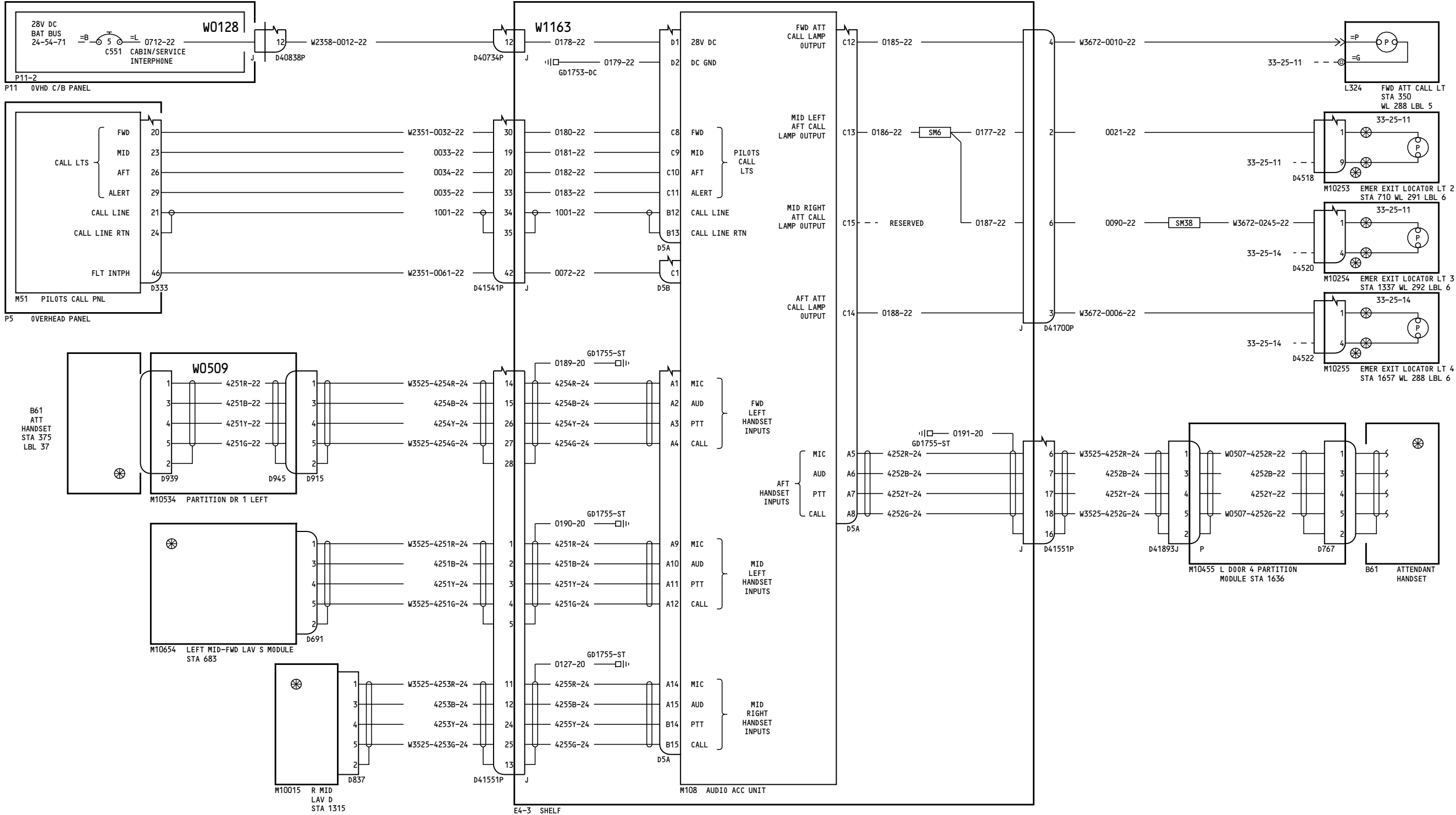
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CABIN INTERPHONE SYSTEM

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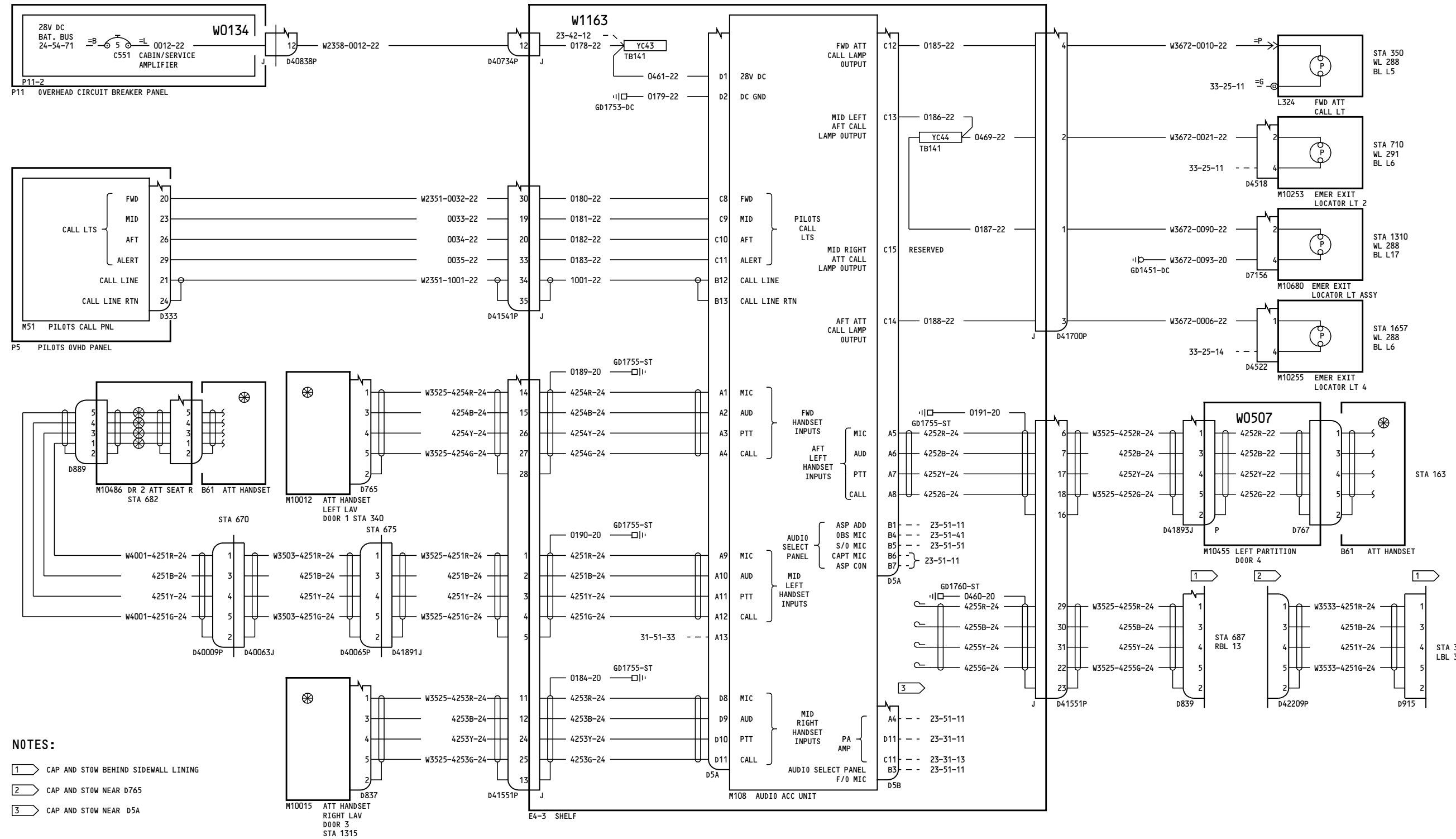
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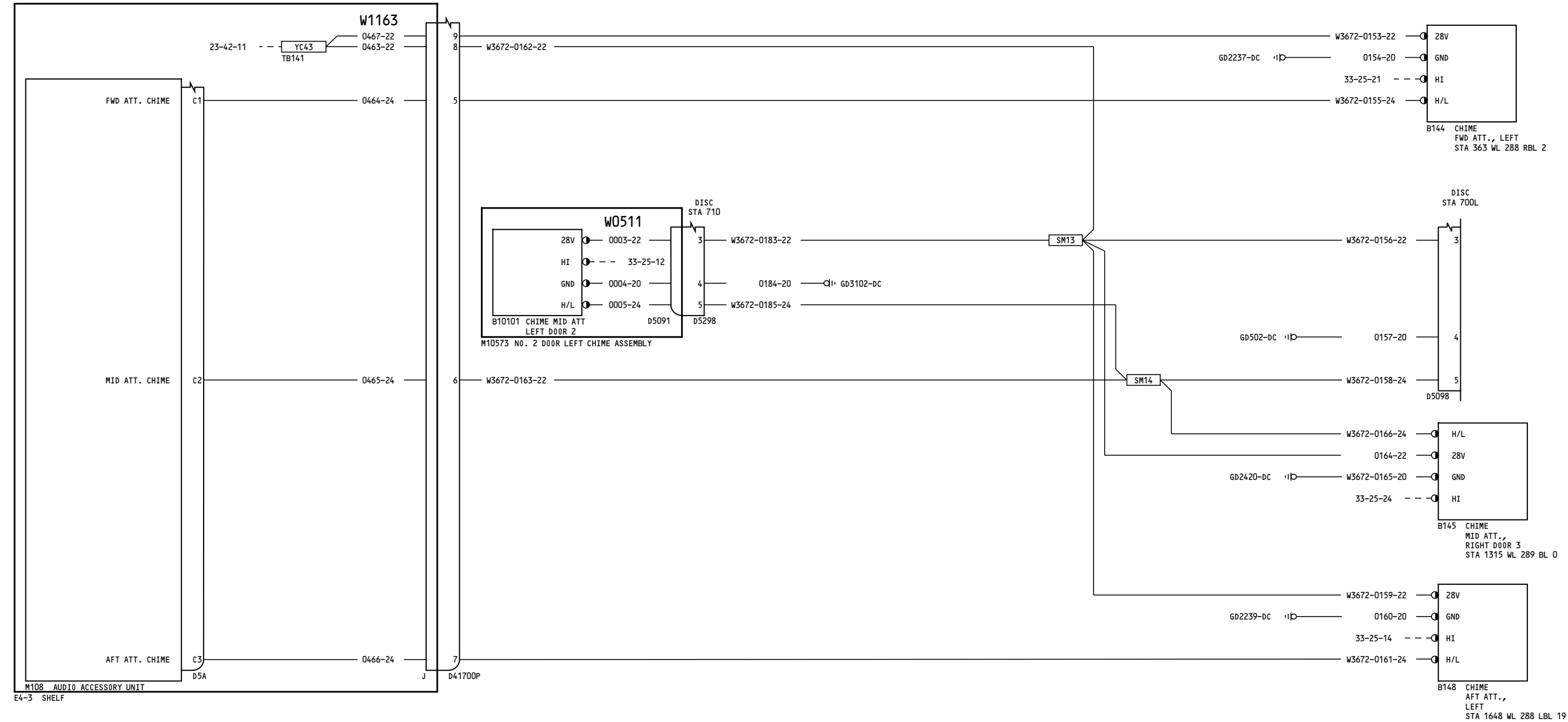
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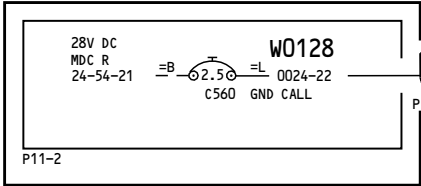
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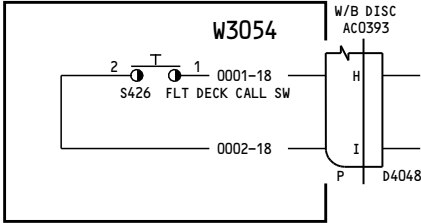
NOTES:

- 1 CAP AND STOW BEHIND SIDEWALL LINING
- 2 CAP AND STOW NEAR D765
- 3 CAP AND STOW NEAR D5A

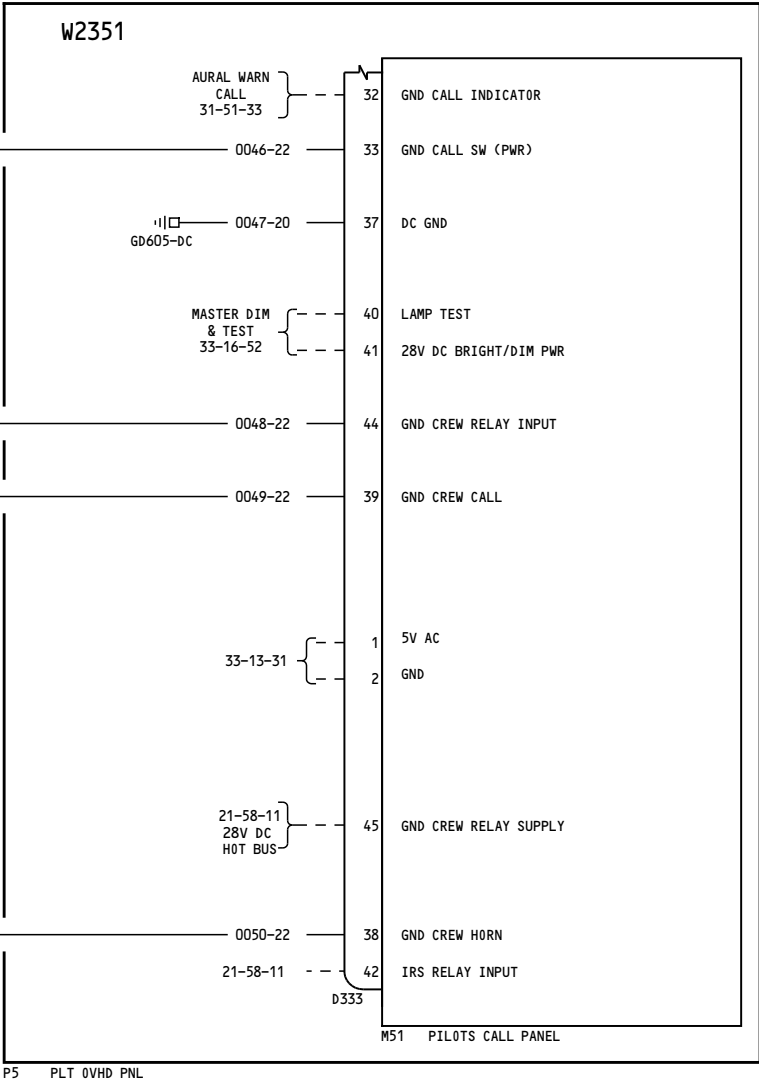
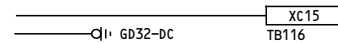
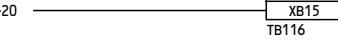
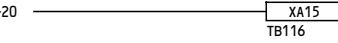
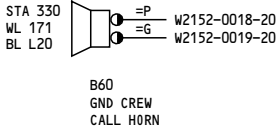




P11 OVHD CIRCUIT BREAKER PANEL



P62 R NLG CONT PNL



P5 PLT OVHD PNL

M51 PILOTS CALL PANEL

ALL	GROUND CREW CALL
	D280N032

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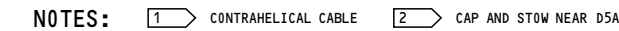
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**FLIGHT INTERPHONE -
CAPTAIN**

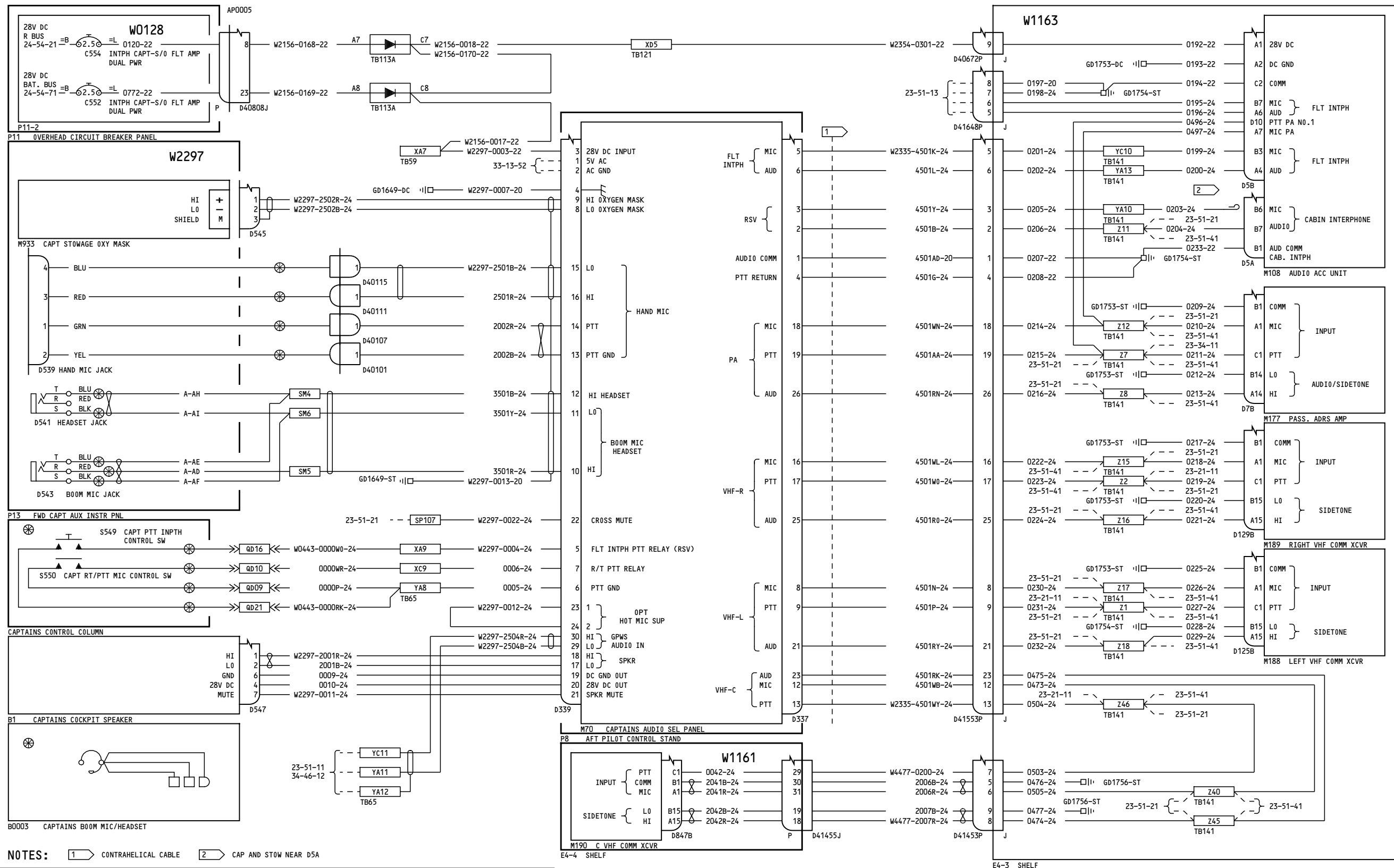
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FLIGHT INTERPHONE - CAPTAIN

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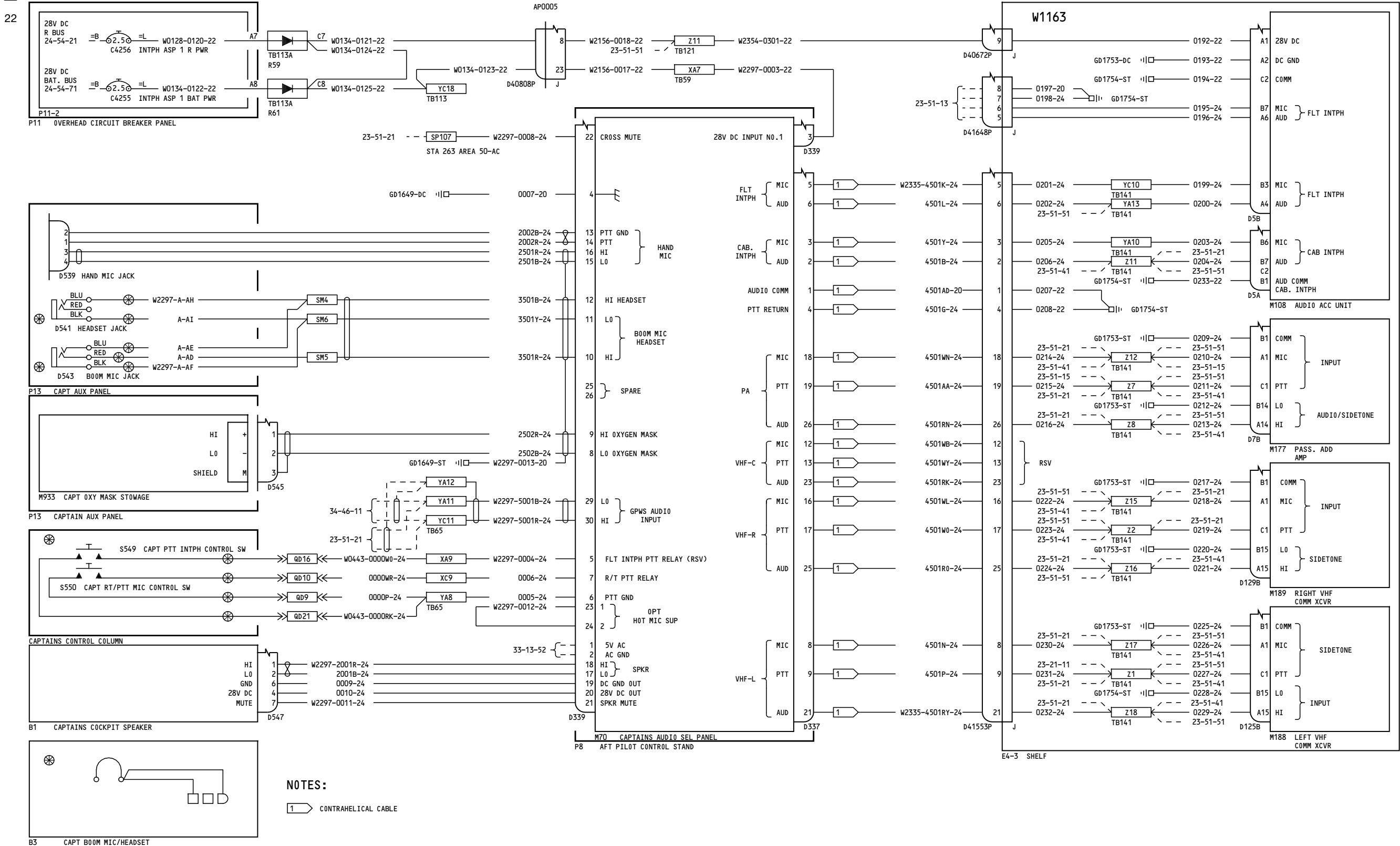
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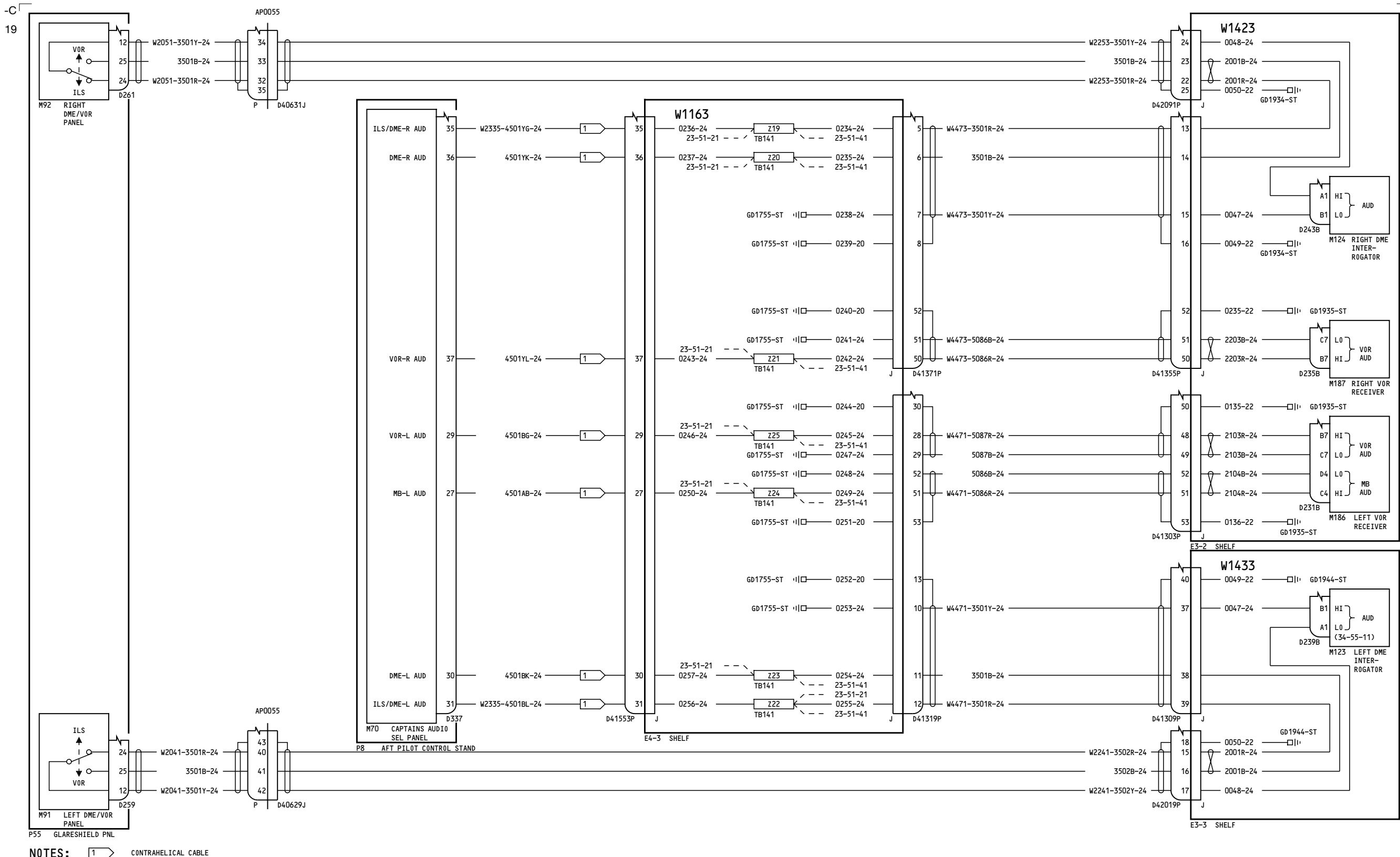
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NOTES:

1 CONTRAHELICAL CABLE



NOTES: 1 CONTRAHELICAL CABLE

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FLIGHT INTERPHONE -
CAPTAIN, DME AND VOR

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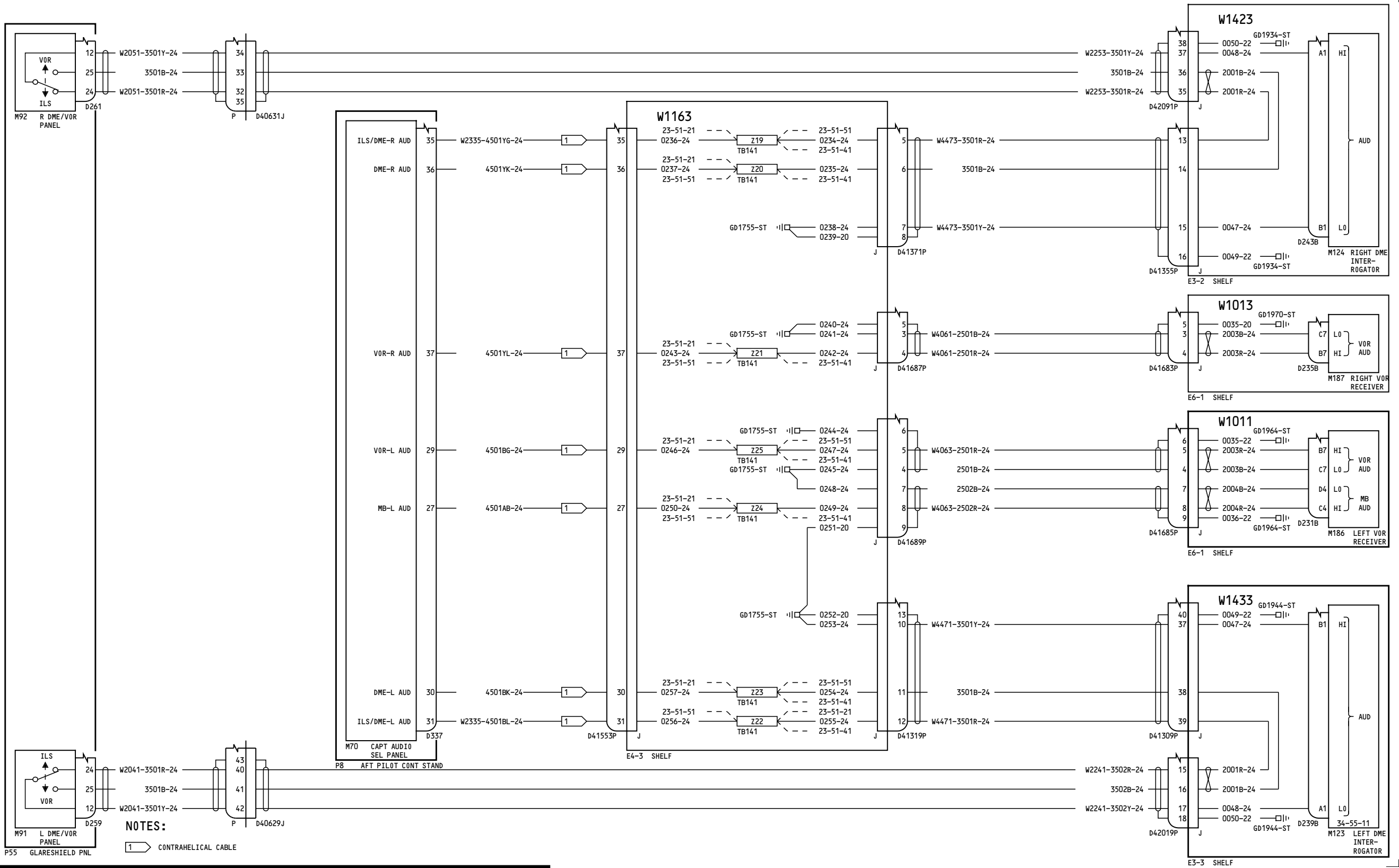
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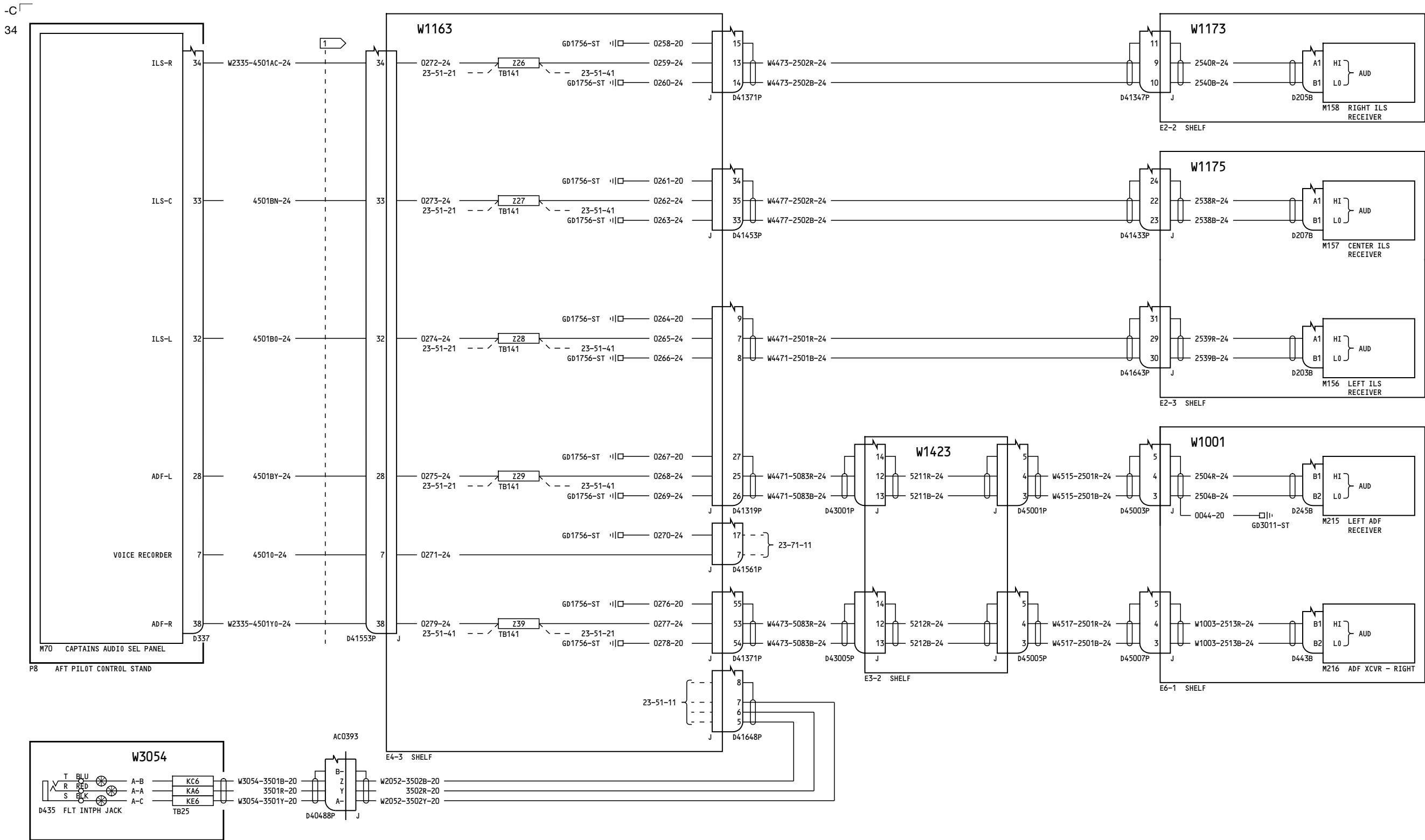
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NOTES: 1 CONTRAHELICAL CABLE

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FLIGHT INTERPHONE -
CAPTAIN, ADF AND ILS

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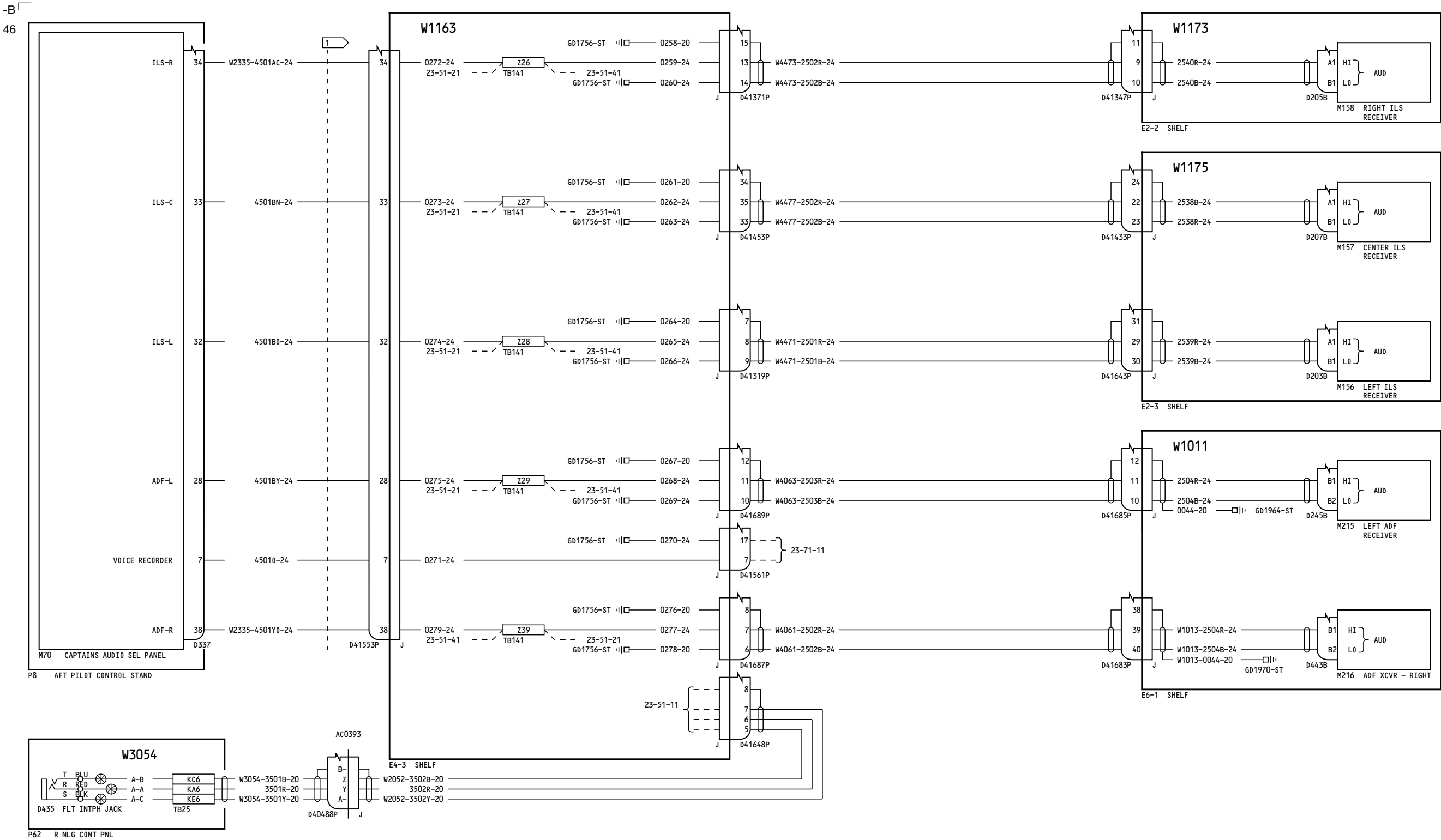
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NOTES: 1 CONTRAHELICAL CABLE

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**FLIGHT INTERPHONE -
SECOND OFFICER**

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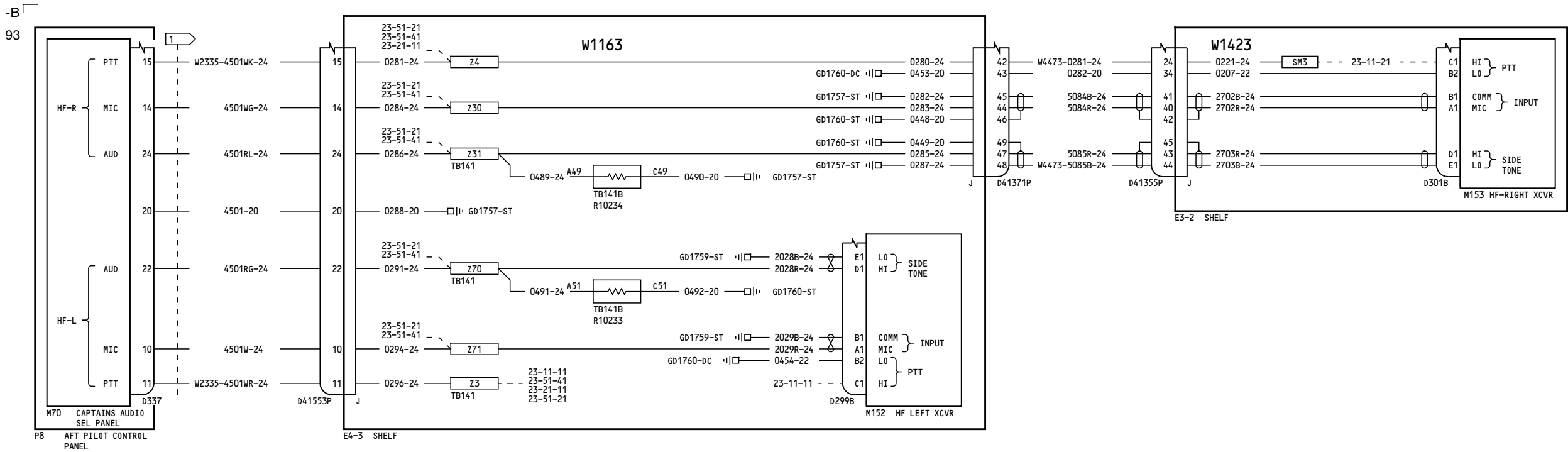
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NOTES:

1 CONTRAHELICAL CABLE

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FLIGHT INTERPHONE -
CAPTAIN, HF - LEFT AND
HF - RIGHT

D280N032

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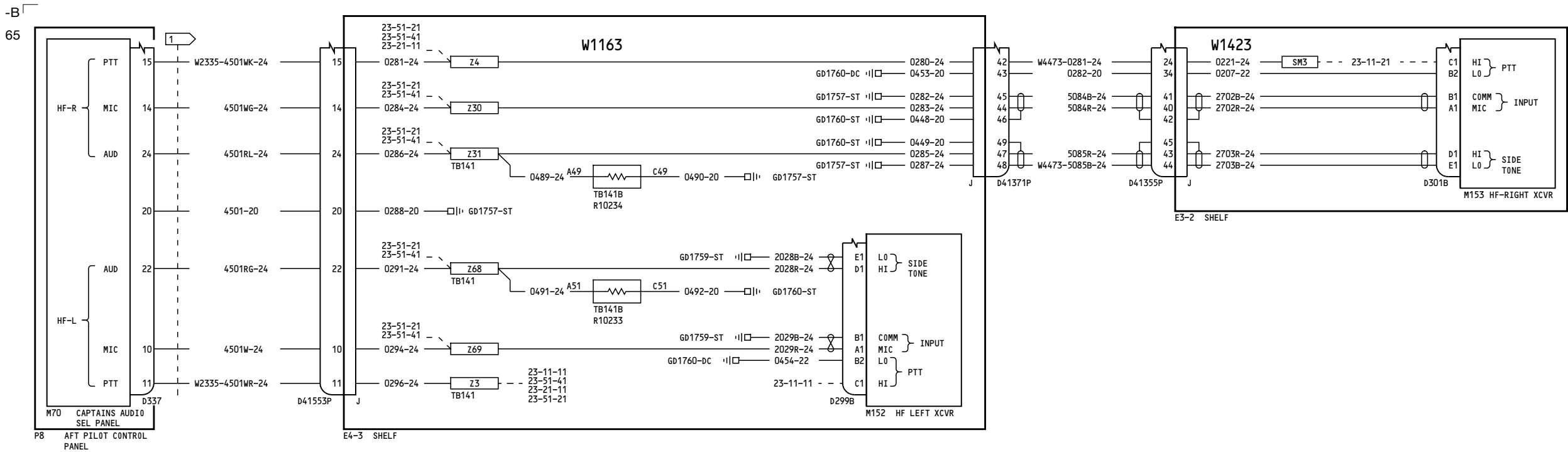
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NOTES:

1 CONTRAHELICAL CABLE

009-099

FLIGHT INTERPHONE -
CAPTAIN, HF - LEFT AND
HF - RIGHT

D280N032

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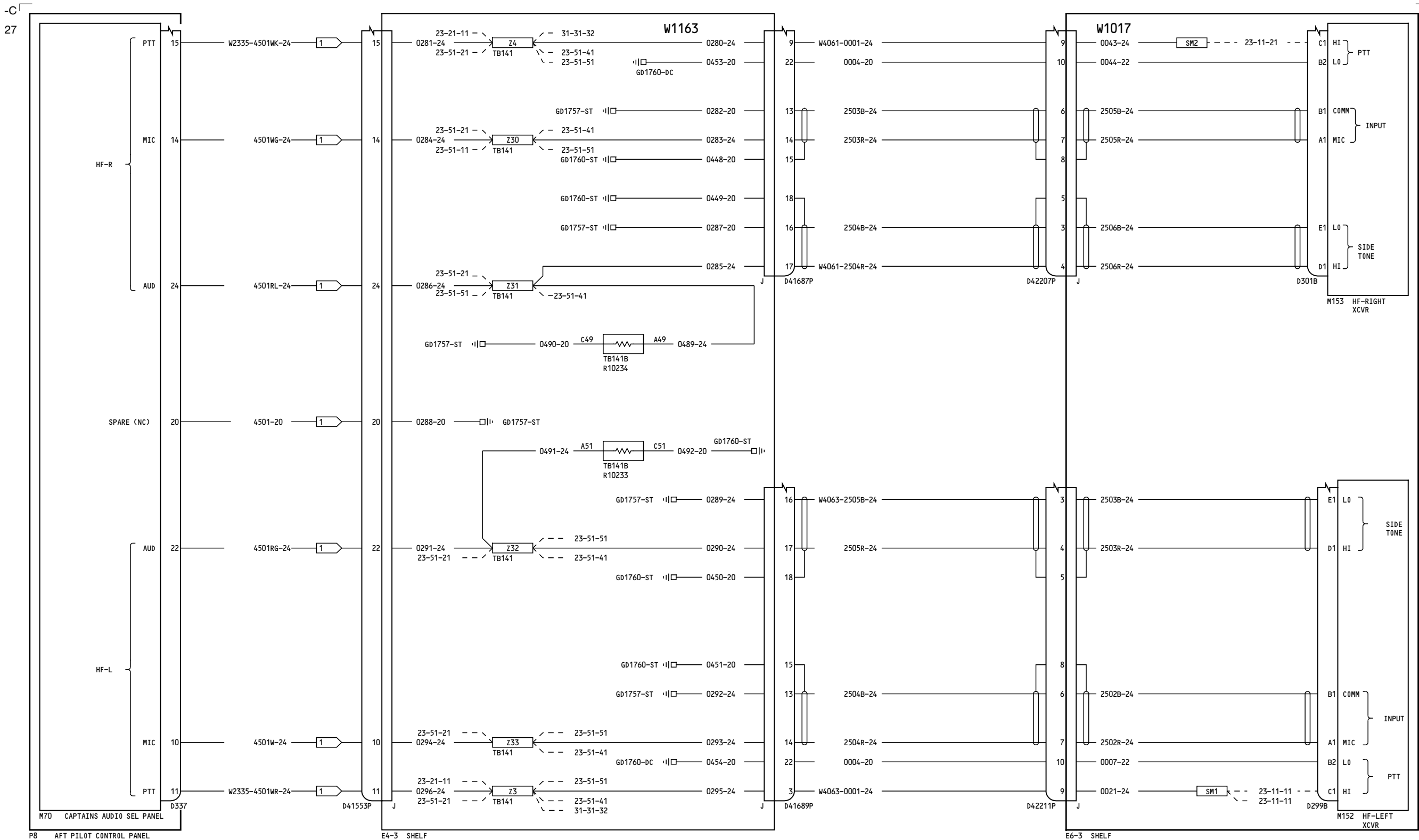
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757-200 WIRING DIAGRAM MANUAL



NOTES:

1 CONTRAHELICAL CABLE

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FLIGHT INTERPHONE -
CAPTAIN, HF - LEFT AND
HF - RIGHT

D280N032

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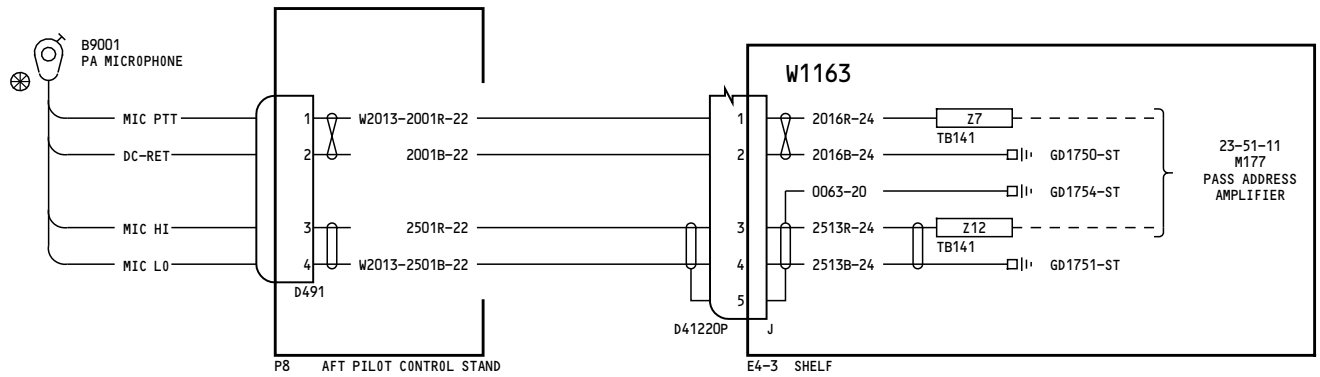
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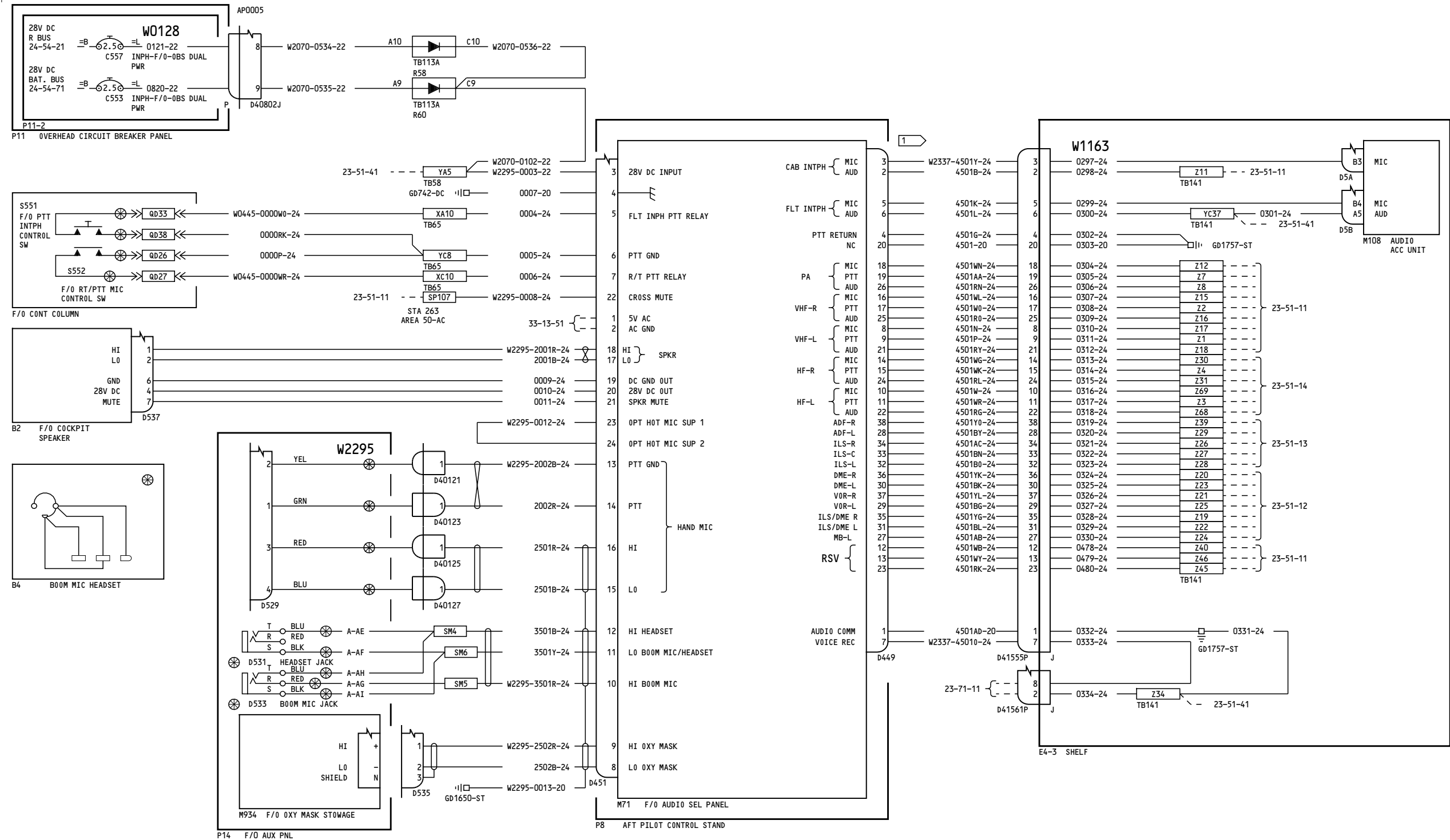
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NOTES:

1 CONTRAHELICAL CABLE

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**FLIGHT INTERPHONE -
FIRST OFFICER**

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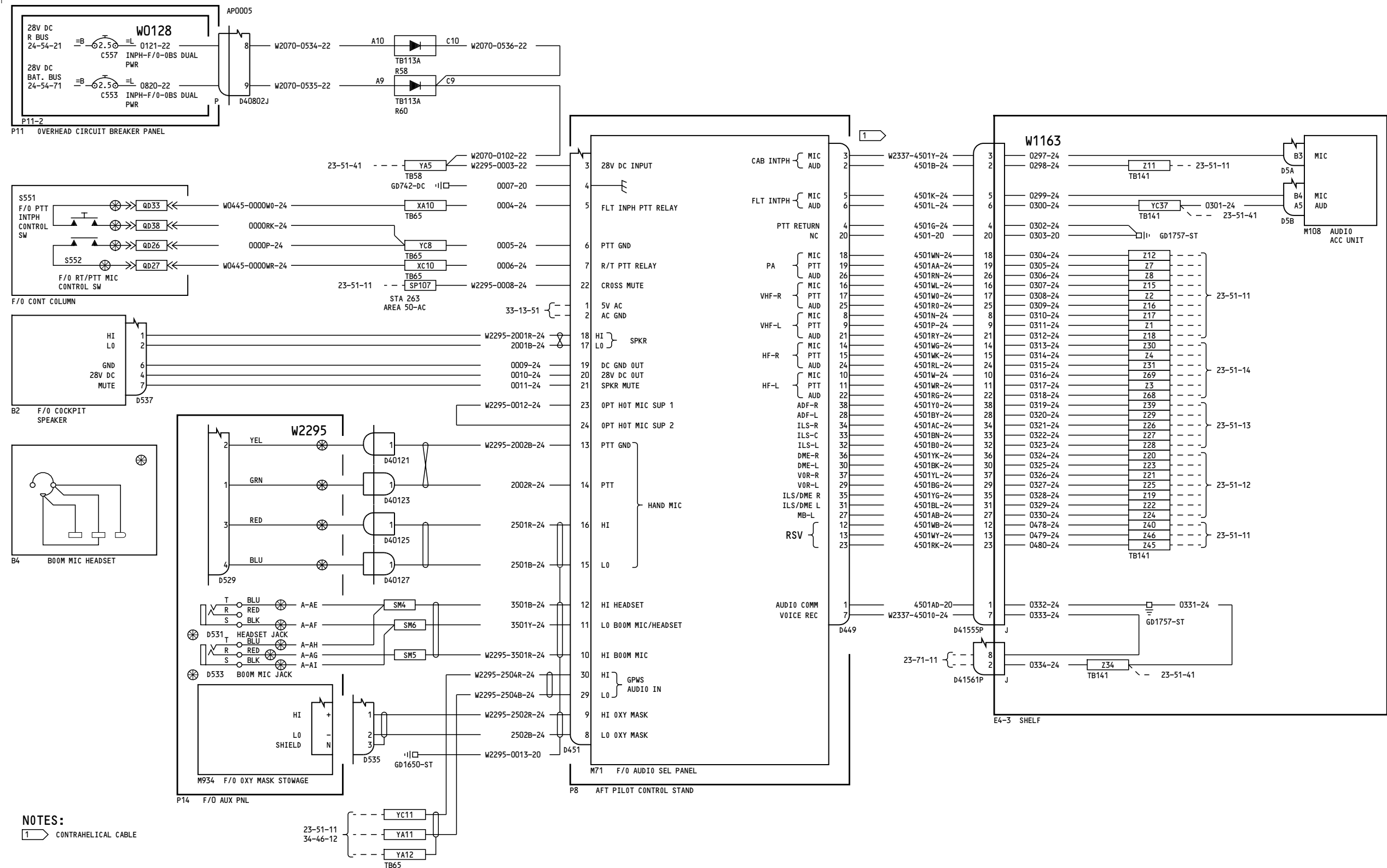
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**FLIGHT INTERPHONE -
FIRST OFFICER**

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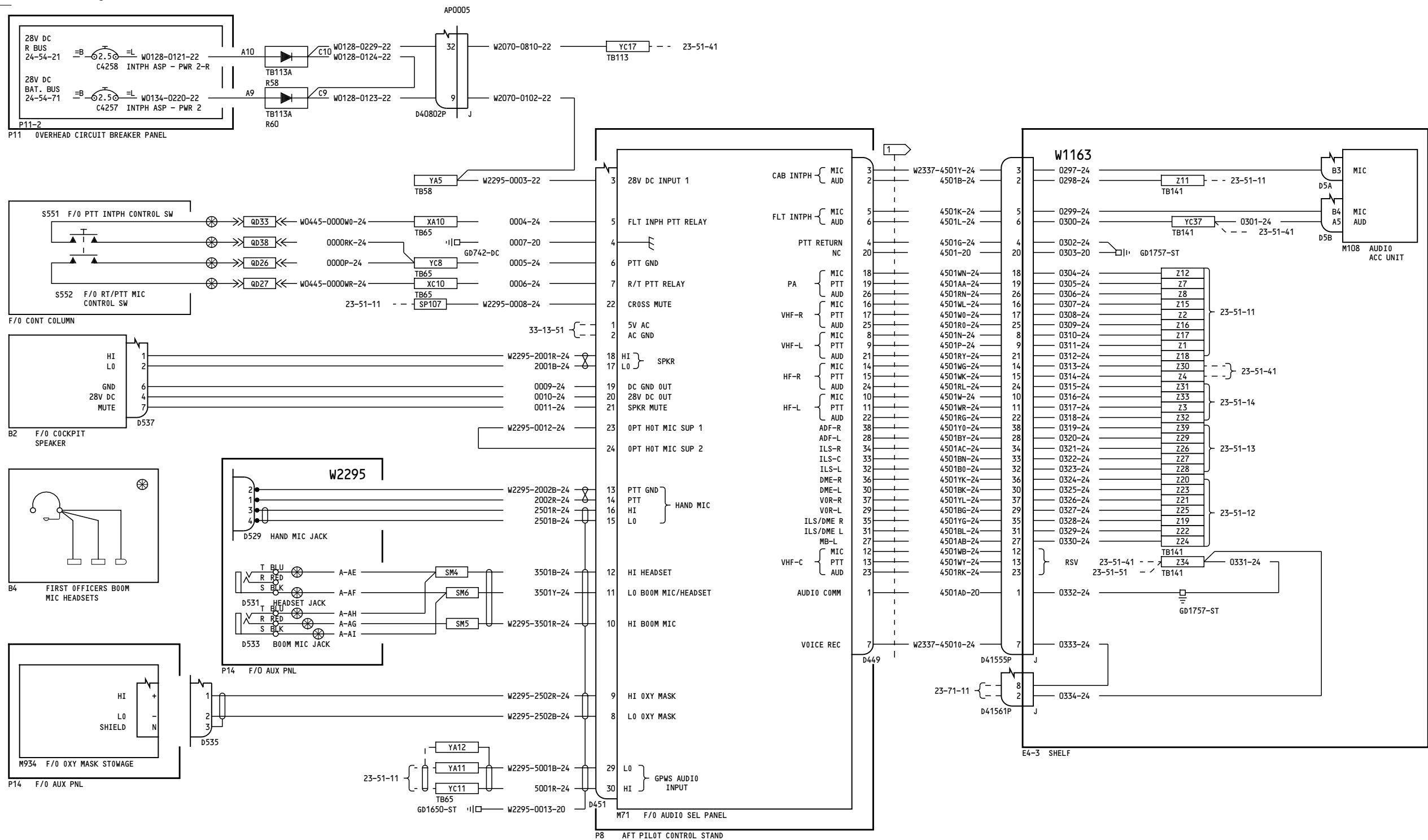
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**FLIGHT INTERPHONE -
FIRST OFFICER**

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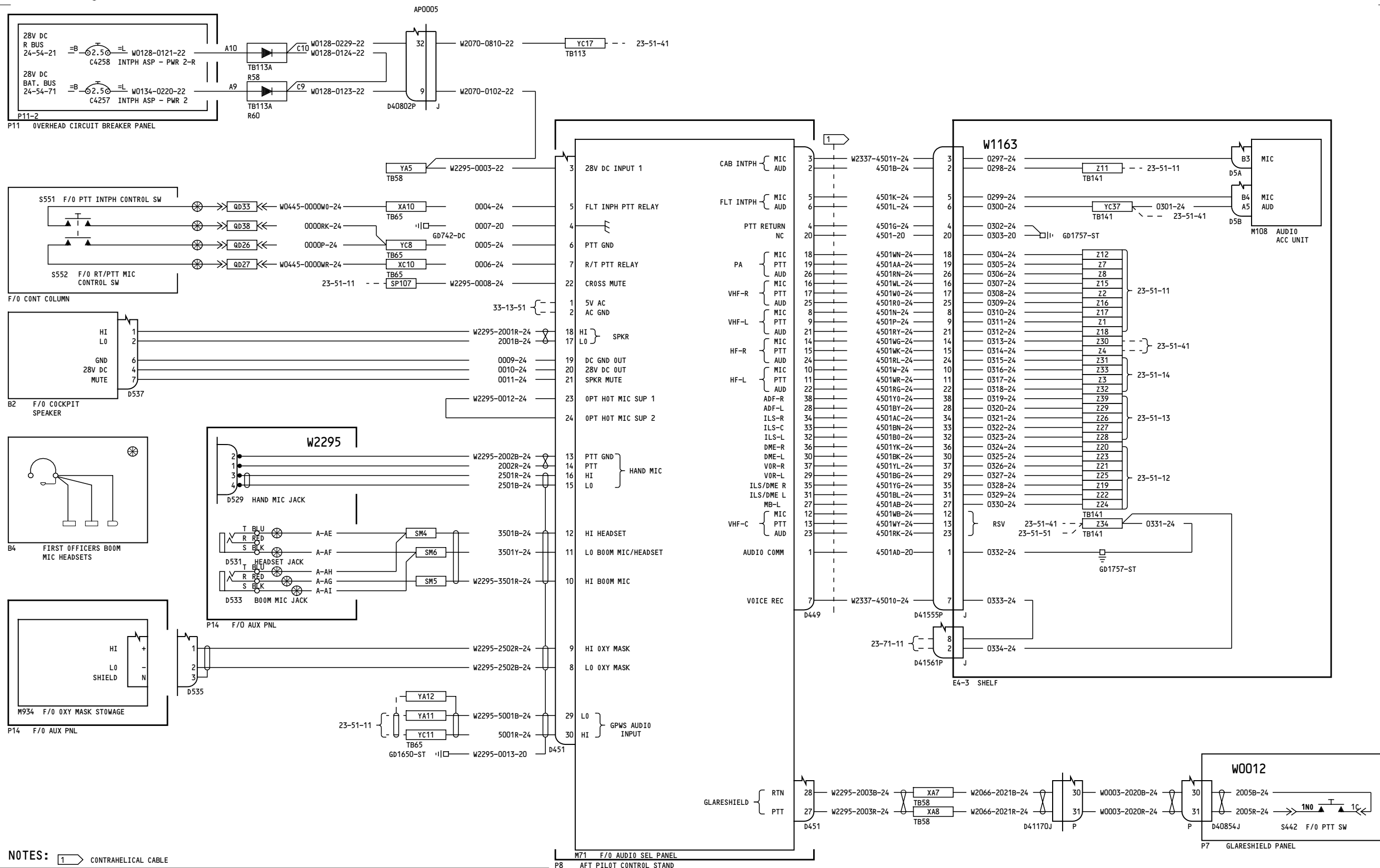
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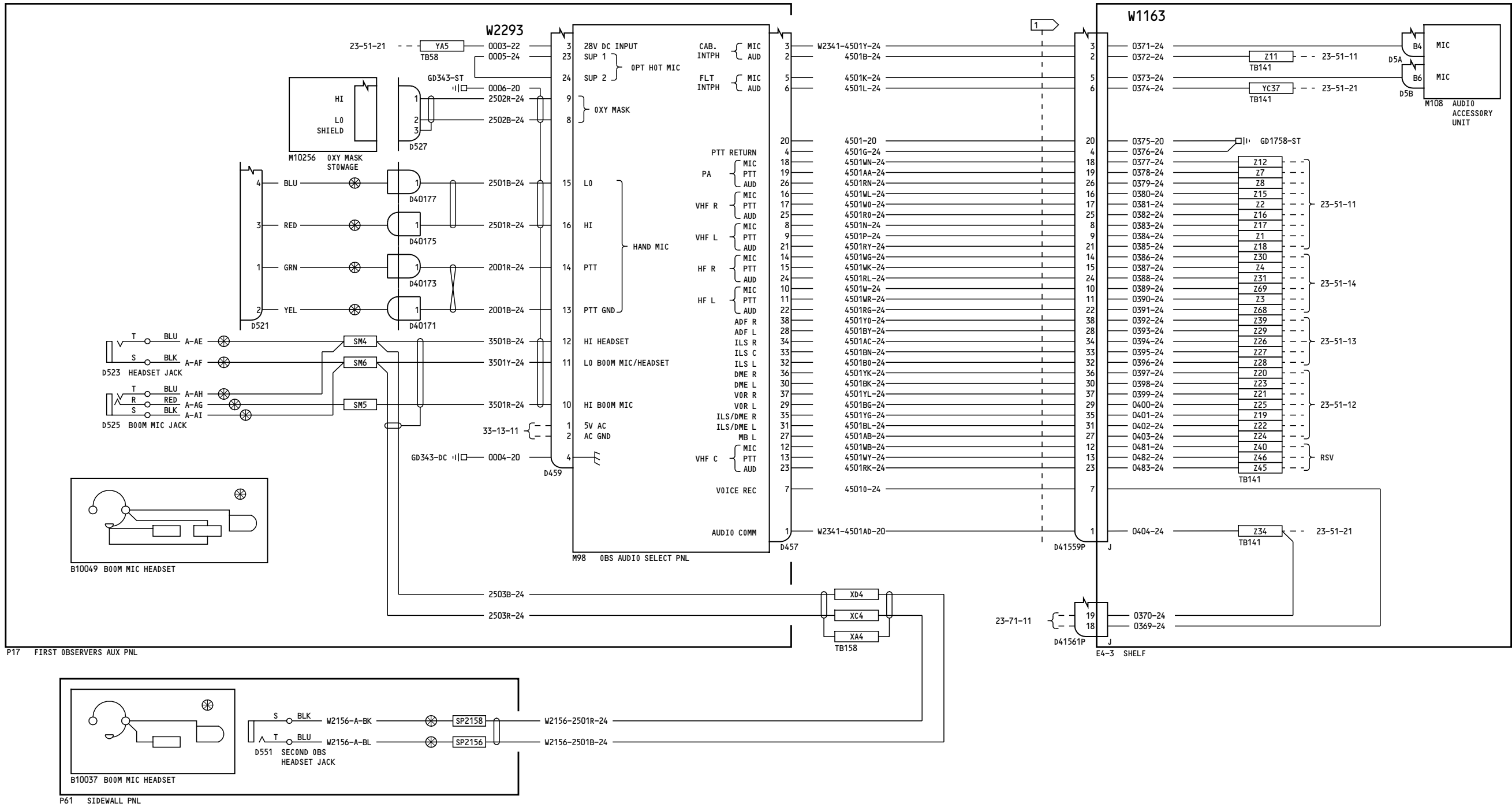
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NOTES: 1 CONTRAHELICAL CABLE



NOTES:

1 CONTRAHELICAL CABLE

001-099

FLIGHT INTERPHONE -
OBSERVER

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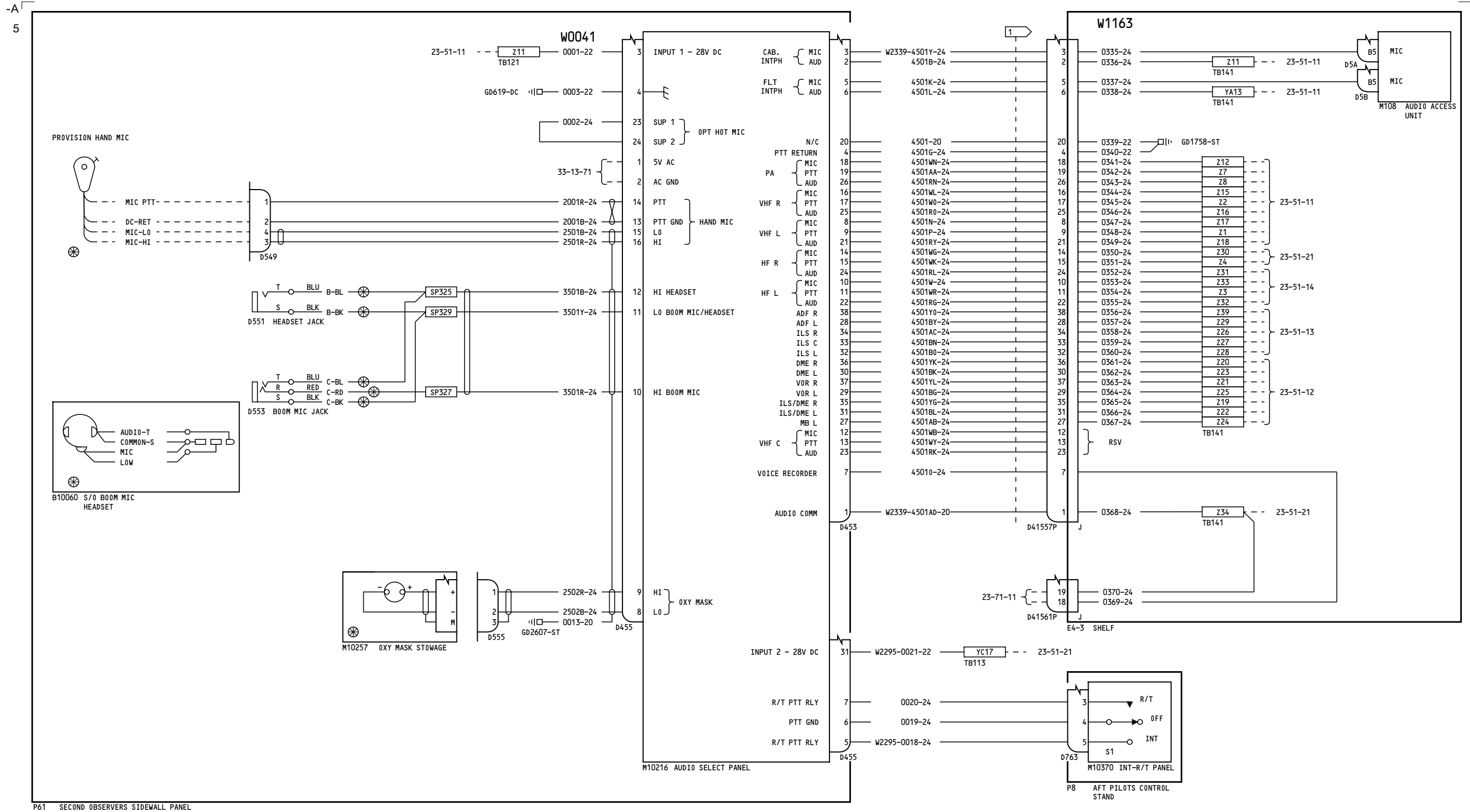
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1 CONTRAHELICAL CABLE



NOTES:

1 CONTRAHELICAL CABLE

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**FLIGHT INTERPHONE -
SUPERNUMERATOR**

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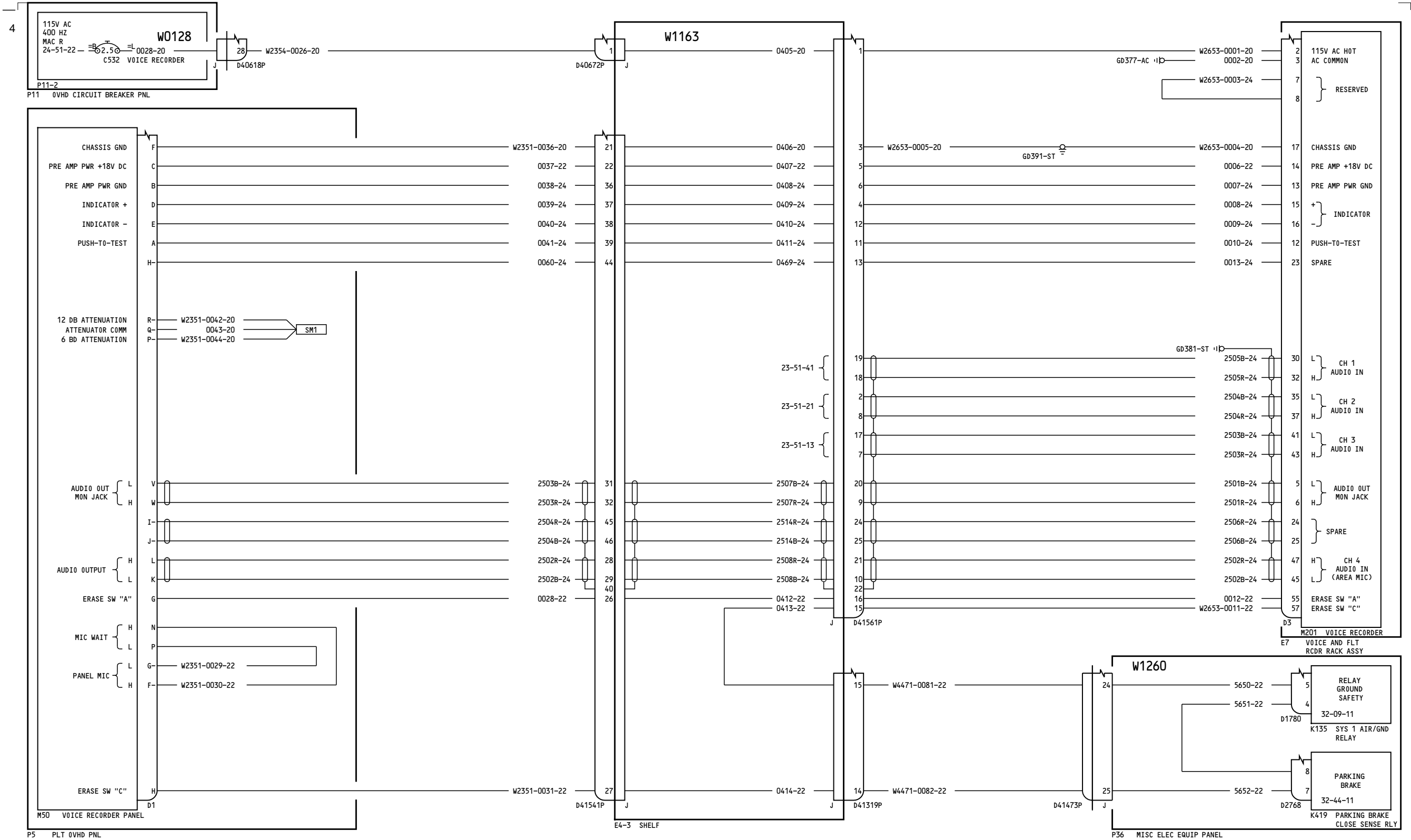
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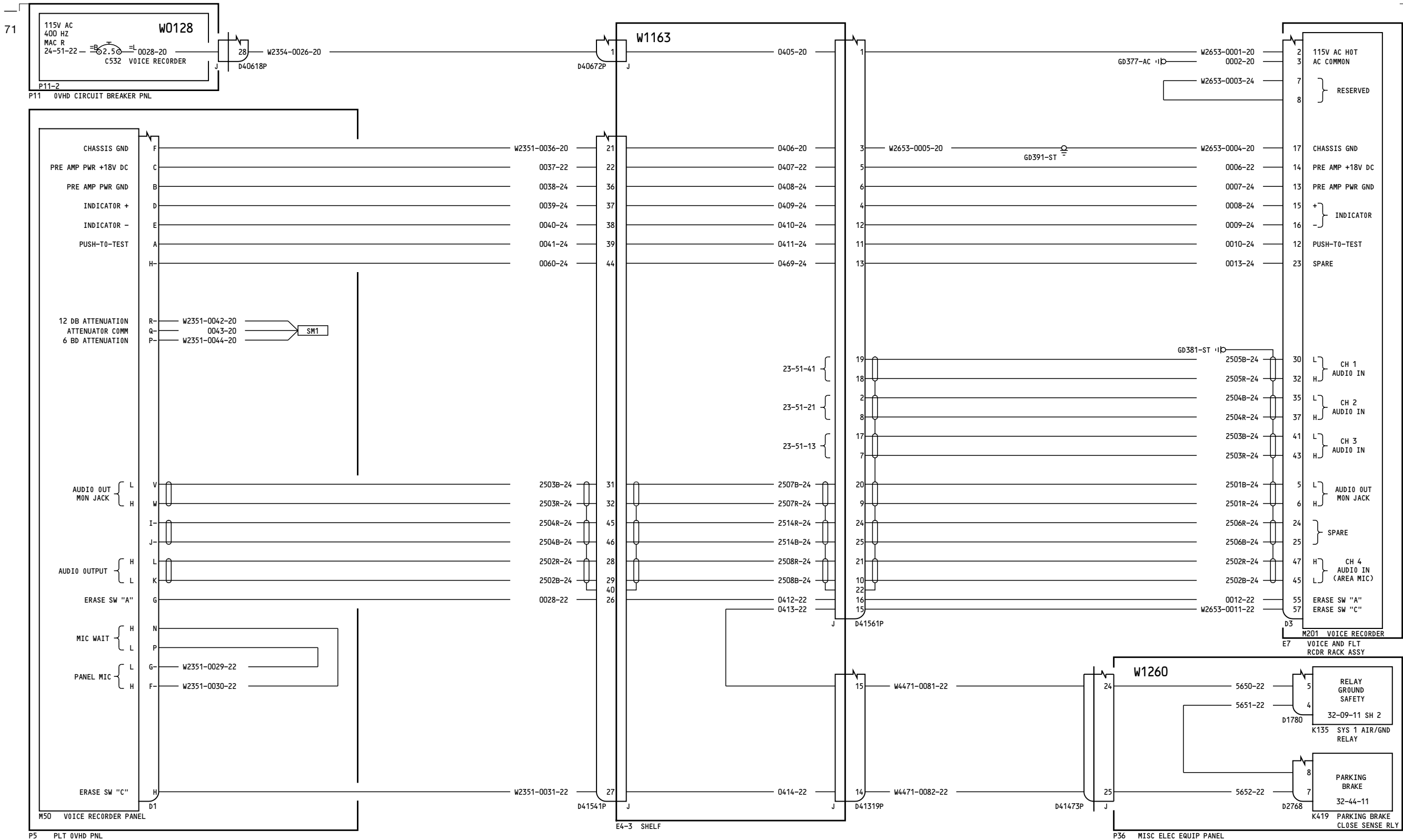
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VOICE RECORDER

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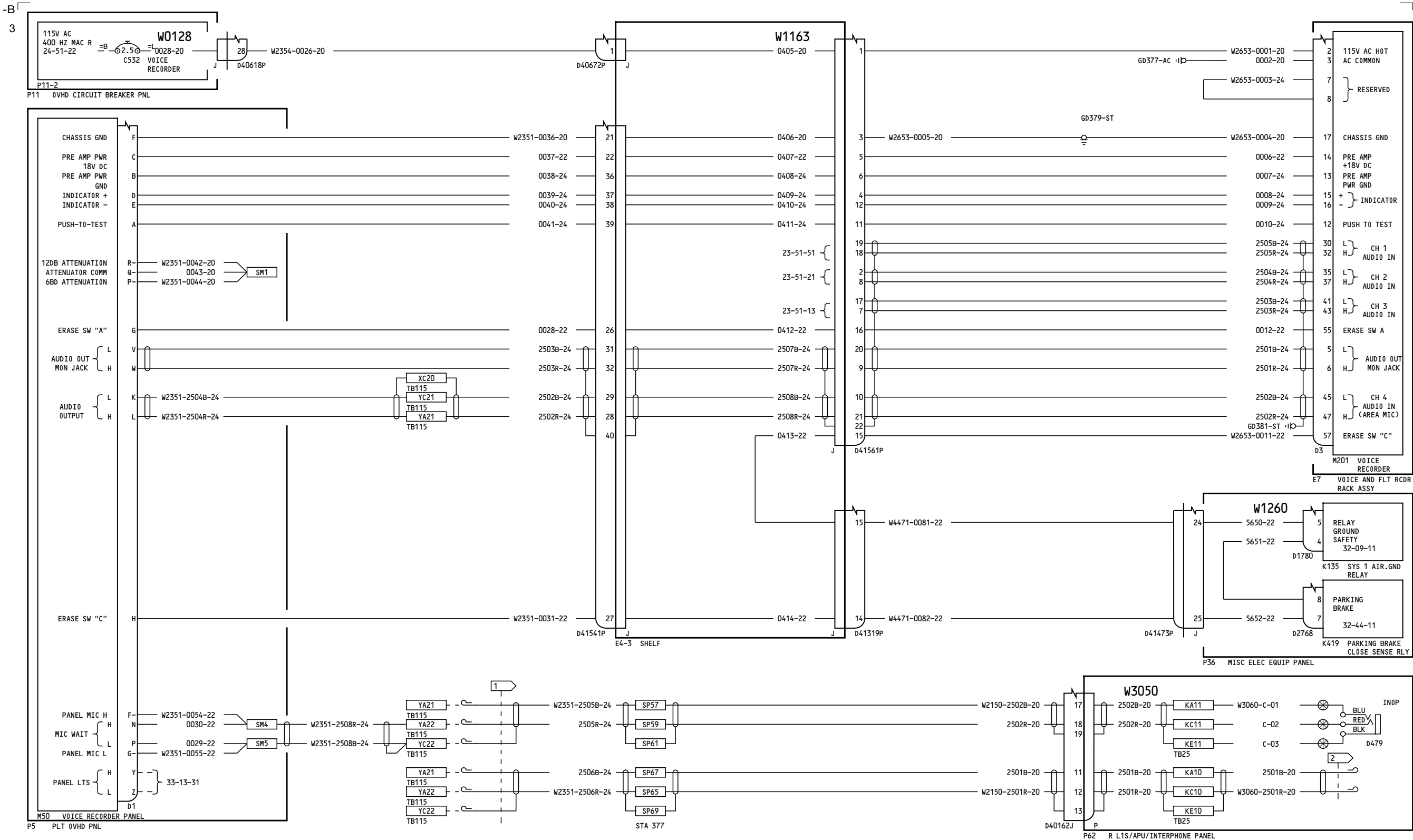
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NOTES: 1 CAP AND STOW NEAR TB115Y 2 CAP AND STOW NEAR D479

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