

BOEING 757

Wiring Diagram Manual

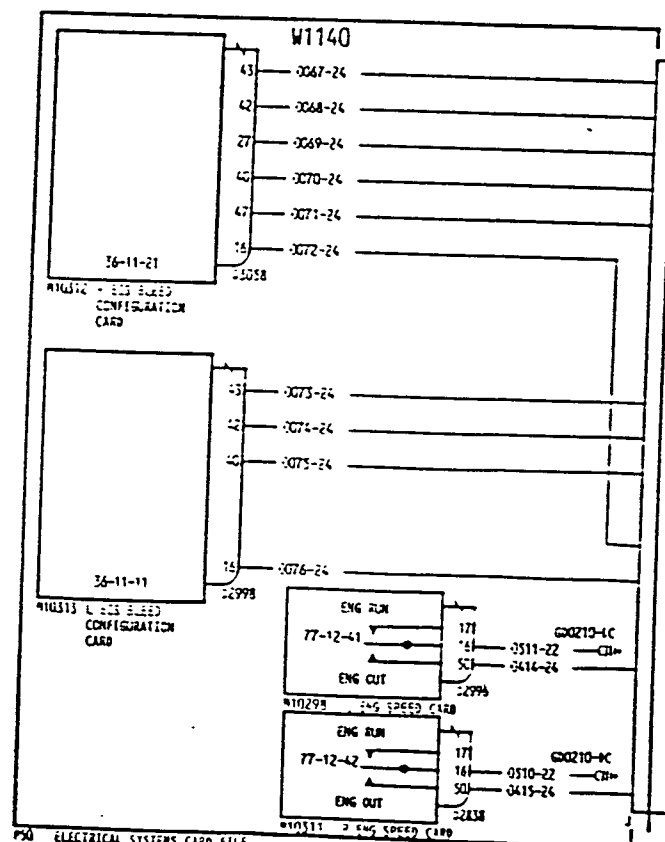
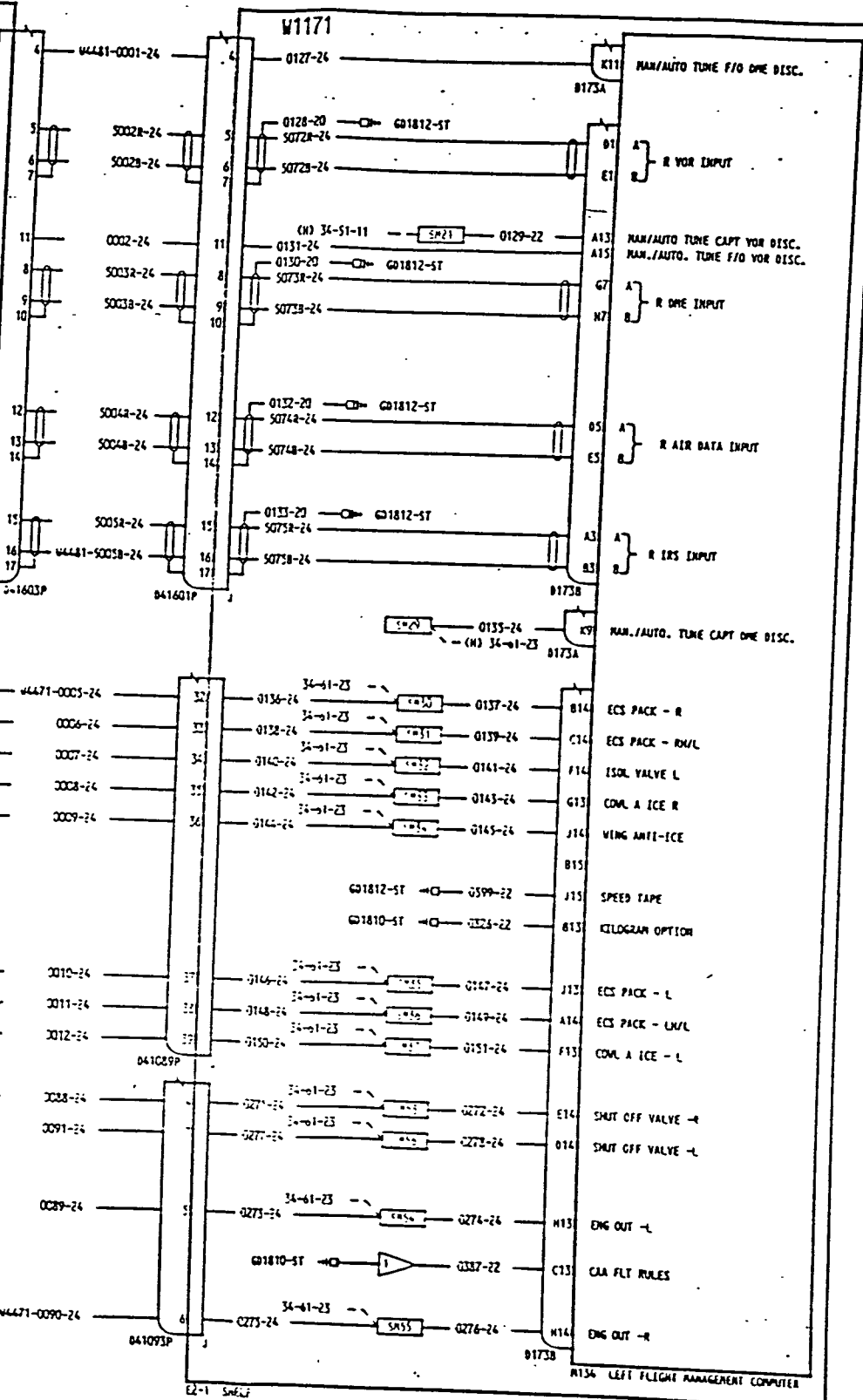
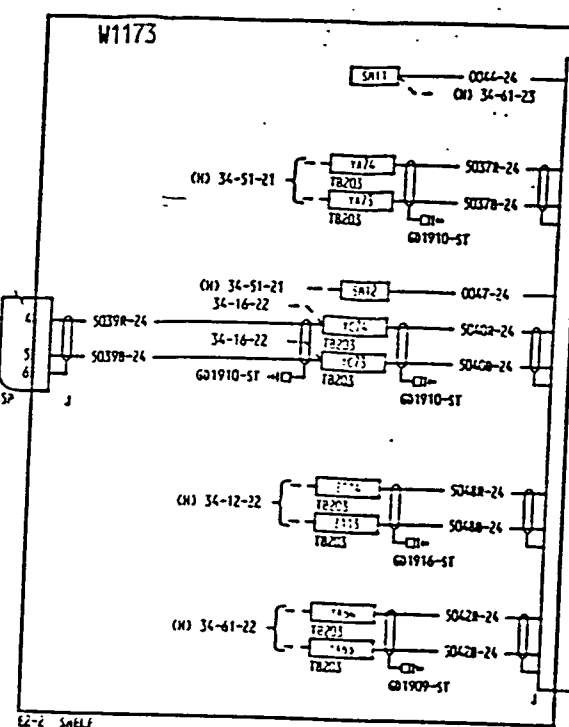
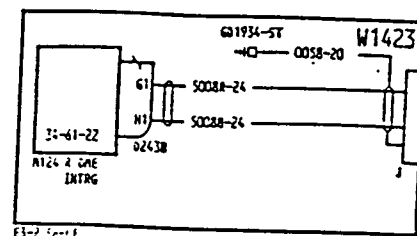
CHAPTER 34 - NAVIGATION

AIR 2000 CUSTOMISATIONS



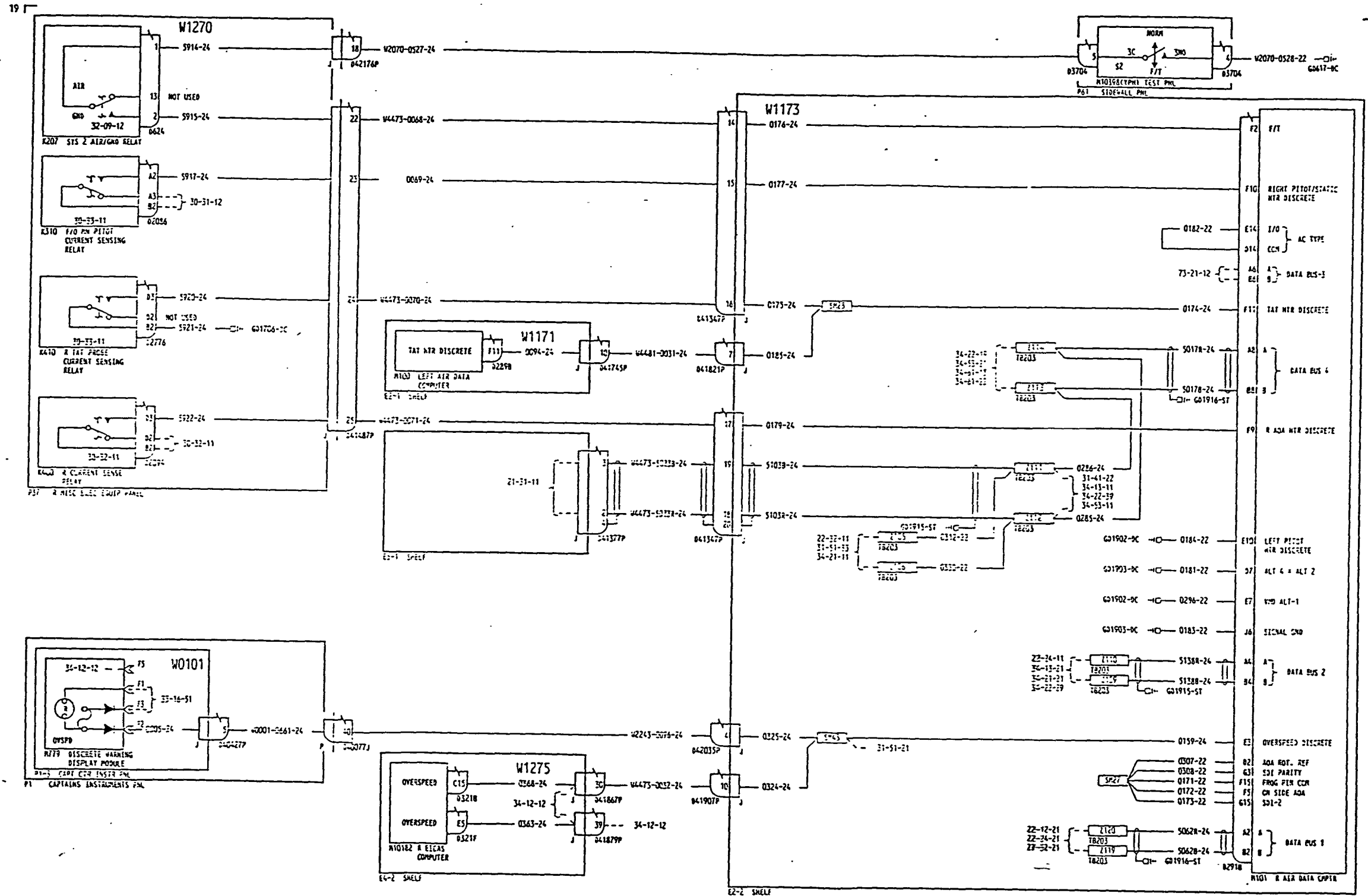
16

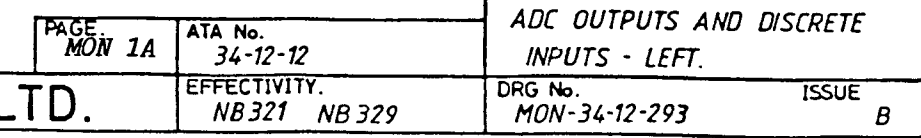


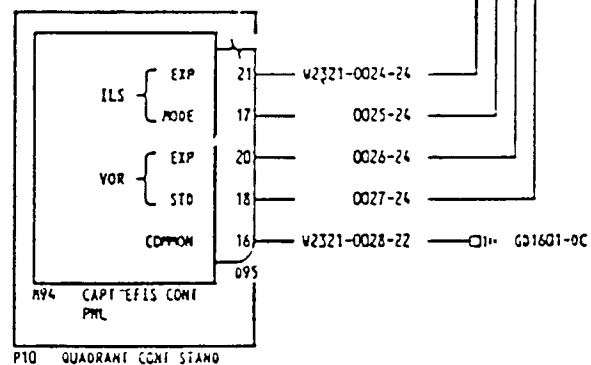


NOTES:
 1. APPLIES TO M321 AND M329

BOEING 757 WIRING DIAGRAM







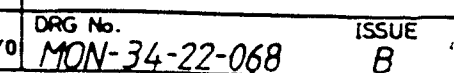
ATA No. 34-22-18

EFFECTIVITY. *B757-200*

TITLE. EFIS SENSOR 'A'
INTERFACE - LEFT

DRG No.
MON-34-22-150

ISSUE
B



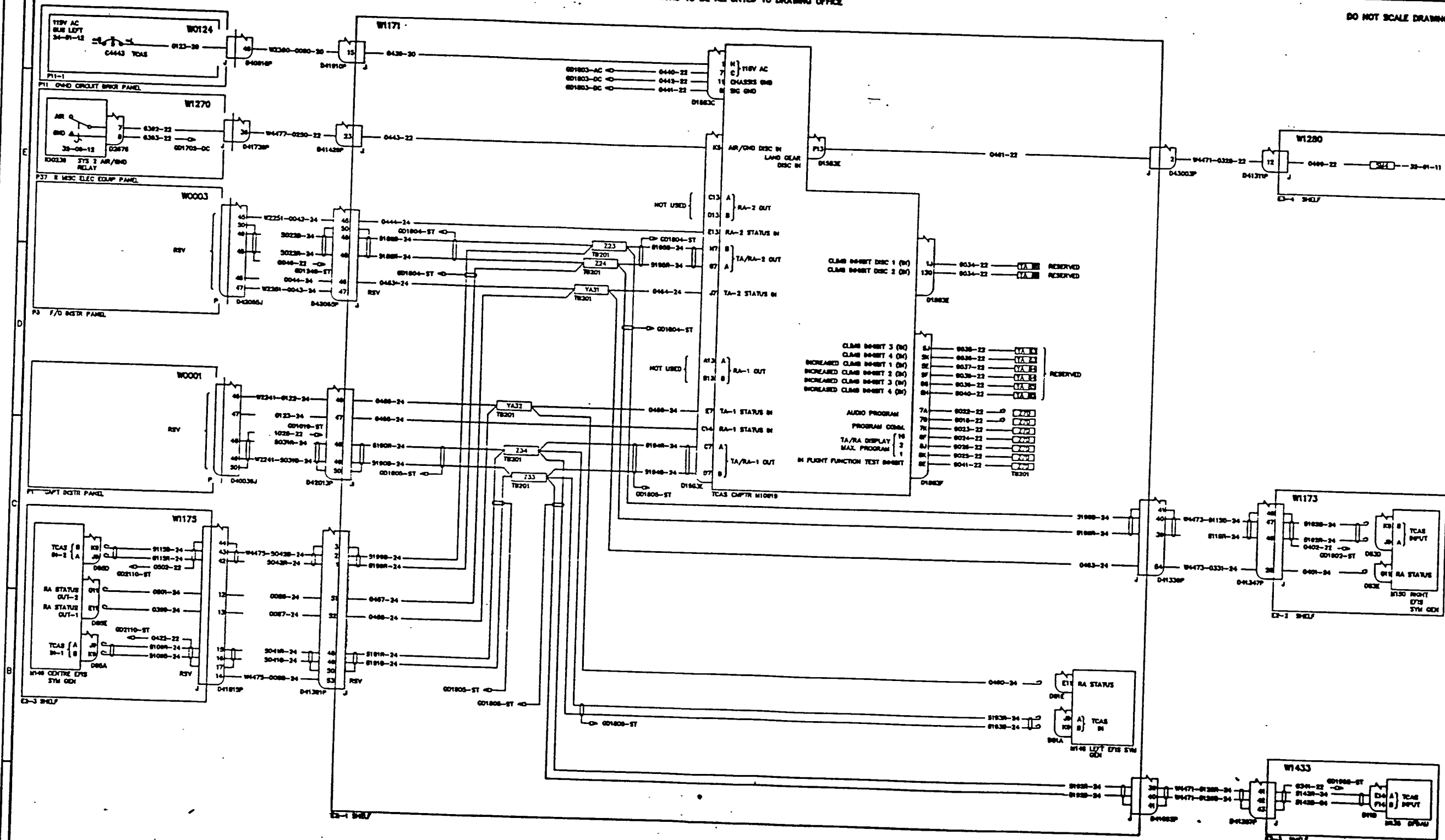


**MONARCH AIRCRAFT
ENGINEERING LTD
LUTON AIRPORT, BEDS**

2-10-93 5-1-93	17-9-93 P.A.MATHER	DRAWING ISSUE ISSUE DATE APPROVAL
CONNECTOR D42085P PIN NUMBER CHANGE R.MATHUR	INITIAL	DRAWING CHANGE

DO NOT SCALE DRAWING

ALL ERRORS TO BE REPORTED TO DRAWING OFFICE



EFFECTIVITY G-000X (NB 329)	TITLE TCAS - POWER AND DISPLAY	ATA # 34-45-01	PAGE MON 2
			SHEET

© MONARCH AIRCRAFT ENGINEERING LTD THIS DOCUMENT IS COPYRIGHT AND IS NOT TO BE REPRODUCED, USED FOR MANUFACTURE OR OTHERWISE WITHOUT THE EXPRESS PERMISSION OF MAEL

MOO M ²	MON/757/34/1800	DRAWN BY	C. HALL	CHECKED	E. WEST
IS COPYRIGHT AND IS NOT TO BE THE EXPRESS PERMISSION OF MAEL		DATE	17-9-93	MON-34-45-75	

MON-34-22-756

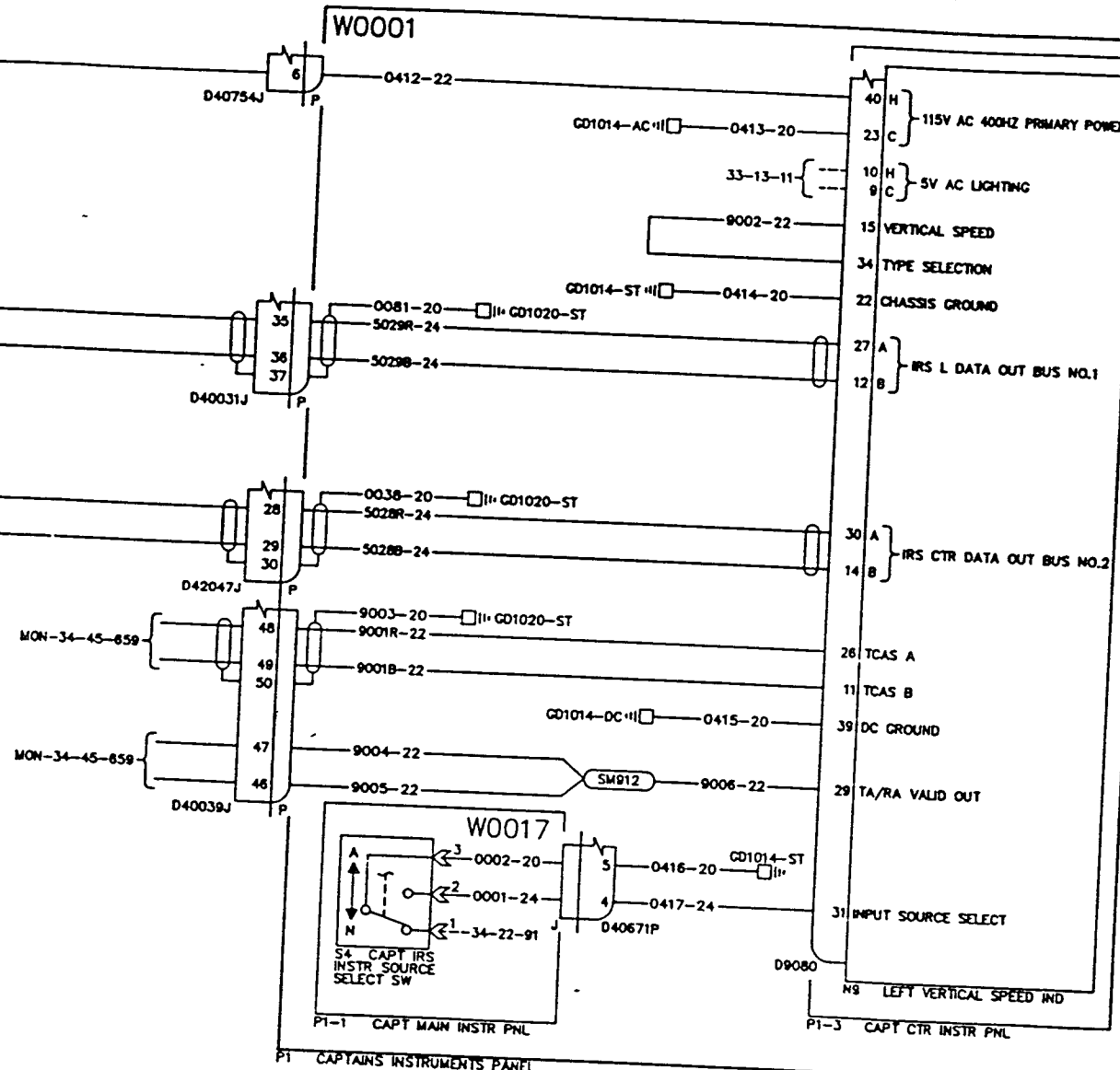
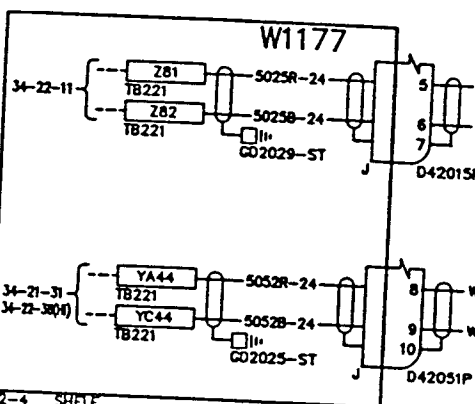
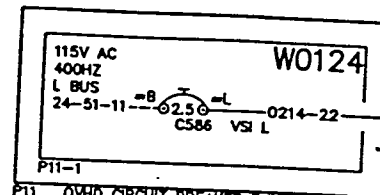
MONARCH AIRCRAFT
ENGINEERING LTD
LUTON AIRPORT, BEDS

IF IN DOUBT ASK

ALL ERRORS TO BE REPORTED TO DRAWING OFFICE

DRAWING ISSUE
ISSUE DATE
APPROVAL
INITIAL
DRAWING
CHANGE

DO NOT SCALE DRAWING



EFFECTIVITY	TITLE	ATA N°	PAGE
G-000X (N/A329)	VERTICAL SPEED INDICATOR -LEFT	34-22-82	MON 1
			SHEET

MONARCH AIRCRAFT ENGINEERING LTD THIS DOCUMENT IS COPYRIGHT AND IS NOT TO BE
REPRODUCED, USED FOR MANUFACTURE OR OTHERWISE WITHOUT THE EXPRESS PERMISSION OF MAEL

MOD N° MON/757/34/1800

DRAWN BY C. HALL

CHECKED E. WES.

DATE 15-8-93

MON-34-22-756

MON-34-22-757

MONARCH AIRCRAFT
ENGINEERING LTD
LUTON AIRPORT, BEDS

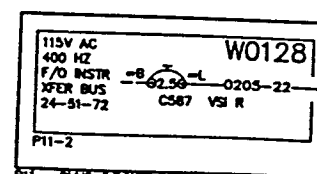
IF IN DOUBT ASK

ALL ERRORS TO BE REPORTED TO DRAWING OFFICE

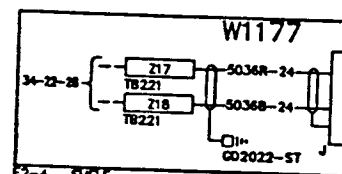
INITIAL


DRAWING ISSUE
ISSUE DATE
APPROVAL
DRAWING
CHANGE

DO NOT SCALE DRAWING



P11 OVD CIRCUIT BREAKER PNL



 www.aesglobal.com EUROPEAN AVIATION SAFETY AGENCY PART21 APPR: EASA.21J.036	MODIFICATION TITLE: INTRODUCTION OF REMOVABLE MODE-S ADDRESS CODING PLUGS				MODIFICATION No. AES-757-427 PART A & B ISSUE 2 Page 1 of 6		
	A/C TYPE: B757		A/C VARIANT: -200		A/C REG: SEE SECTION 2		
Retro. Action: SEE SHT. YES/NO		Certificate of Airworthiness Category: LARGE AEROPLANE				EASA Class: MAJOR/MINOR	
Project No.: 0404		Performance Group: TURBINE JET				ATA: 34	
Reason for Modification: TO SUIT THE OPERATORS REQUIREMENTS (FIRST CHOICE AIRWAYS Ltd)						Reports: NONE	
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">CERTIFICATE OF DESIGN</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 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	2					
DRN No.	1276	1364					
APPROVAL DATE	MAE 03-07-05	MAE 12.09.05					
ISSUE	RAISE ISSUE DETAIL					SHEETS AFFECTED	
1 2	NEW ISSUE DETAILS OF C-FLEU INCLUDED DOCUMENT ISSUE NUMBERS AMENDED CHANGES INDICATED BY A MARGINAL VERTICAL LINE					2 6	
ISSUE	DATE	COMPILED	CVE / APP STRUCTURES	CVE / APP DESIGN	CVE / APP SYSTEMS	DOCUMENTS AFFECTED	SEE SHT
1	04.07.05	T HAWKINS	M EVANS	A DOLBY	A HEISSIG	MMEL MAINT MANUAL	4
2	18.08.05	A MADDY	M EVANS	A DOLBY	A HEISSIG	WDM* REPAIR MANUAL	
						FLIGHT MANUAL	
						CREW MANUAL	
						MAINT. SCHEDULE PART CATALOGUE	
						* OPERATORS RESPONSIBILITY	

DETAILS OF MODIFICATION

1.0 Introduction

- 1.1 This modification introduces a new wiring configuration for the aircraft left and right ATC/Mode-S transponders to facilitate installation of a removable 24-bit Mode-S address coding plug.
- 1.2 This modification is written in two parts A & B to facilitate progressive embodiment. Part A of this modification enables manufacture of a 24-bit Mode-S address coding plug. Part B of this modification enables rework of the Left and Right Transponder coding bundle to allow installation of the removable 24-bit Mode-S address coding plug.

2.0 Modification Definition

- 2.1 Applicability: This modification is applicable to the following aircraft:
NOTE: Registrations shown in brackets [] represent sub-lease registrations

<u>Aircraft Registration</u>	<u>Variable No.</u>	<u>Hexadecimal Code</u>
G-OOBH [C-FOBH]	NT407	400A8A [C0251A]
G-OOBG [C-FUBG]	NT405	40078A [C034F1]
G-OOOK [C-FLOK]	NA346	400488 [C01E83]
G-OOOZ [C-GOOZ]	NA352	40051C [C06B26]
G-OOBB [C-GTBB]	NT246	40090E [C076F0]
G-CPEP	NB322	400699
G-CPEU [C-FLEU]	NT404	400788 [C01D89]
G-CPEV	NT406	400789
G-OOBA	NT245	40090D
G-OOBI	NB506	400AEE
G-OOBJ	NB507	400AED
G-OOOX	NB329	400533
G-OOOY	NT232	4006B5

2.1 AES-757-427 Part A: Removable Plug Manufacture

- 2.1.1 The component kit associated with Part B 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. The applicable Hexadecimal codes are shown for reference.

2.2 AES-757-427 Part B: Mode-S Coding Bundle Rework & Installation of Removable coding plug

2.2.1 The Left and Right transponder coding bundle and plugs located on the E3-3 and E3-2 shelves are reworked to allow installation of the removable 24-bit Mode-S address coding plug. AES drawing 1178-345-757 refers.

2.2.2 The new 24-bit Mode-S coding plug manufactured by Part A of this modification is installed to the Left and Right mode-S transponders.

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 is 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 following CS25 (initial issue) design requirements, which meet or exceed the applicable FAR's determined from the type certification basis, are addressed within this modification.

Requirement	Description
CS/FAR 25.869 (a)(4)	Fire Protection: Systems
CS/FAR 25.1301	Function and Installation
CS/FAR 25.1309 (b)	Equipment, Systems and Installations
CS/FAR 25.1353 (a)(b)(d)	Electrical Equipment and Installations

4.2 **Design Requirements For Certificate Of Airworthiness**

4.2.1 Not Applicable

4.3 **Environmental Requirements**

4.3.1 The aircraft noise requirements are detailed in CAA Noise Certificate No. 126. Environmental requirements are contained within Chapter 1 of Annex 16, Volume 1, Part II of the Chicago convention.

4.4 **Design Requirements Associated With operational Approvals**

4.4.1 Not Applicable

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. **CS/FAR 25.869(a)(4):** All new wiring used is of a type approved for use on the aircraft type by the constructor (BMS13-48) and meets the applicable smoke and flammability requirements.
- 5.1.3. **CS/FAR 25.1301, 25.1309 (b):** The functionality of the transponder system will remain unaffected by this modification. A ground test in accordance with the relevant maintenance manual chapter post modification will verify correct Mode-S address pin coding MEI-564 refers.
- 5.1.4. **CS/FAR 25.1353 (a)(b)(d):** All wiring changes are carried out in accordance with the constructor standard wiring practices ref D6-54446.

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 requirements.

5.4 Compliance with Design Requirements Associated with Operational Approvals

- 5.4.1 Not Applicable.

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

- 5.5.1 Weight: The weight change attributable to this modification is negligible.
- 5.5.2 Electrical Load Demand: This modification does not affect the aircraft electrical load demand. Emergency Flight times and battery discharge times are not adversely affected
- 5.5.3 The Aircraft Flight Manual is not affected by this modification.
- 5.5.4 A supplement to the existing Wiring Diagram Manual (WDM) may be produced at the operator's discretion, or this data attached to the existing manuals.

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.

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-757-427 (MCA-AES-757-427) and related instructions has been approved under the authority of EASA Design Organisation Approval no. EASA.21J.036.

11. **Documents Required**

11.1 **AES-757-427 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>Drawing Number</u>	<u>Issue</u>	<u>Title</u>
1164-345-757	2	MANUFACTURE OF MODE-S ADDRESS CODING PLUGS
MEI-565	2	MANUFACTURE OF MODE-S ADDRESS CODING PARTS

11.2 **AES-757-427 Part B**

11.2.1 **New Documents Required:**

<u>Drawing Number</u>	<u>Issue</u>	<u>Title</u>
1178-345-757	1	INSTALLATION OF REMOVABLE MODE-S ADDRESS CODING PLUG SYSTEM
MEI-564	2	REWORK OF LEFT AND RIGHT MODE-S TRANSPONDER CODING BUNDLE AND INSTALLATION OF REMOVABLE MODE S CODING PLUG

1164-345-757

SHEET 2 OF 2 SHEETS

DRAWING SIMILAR TO

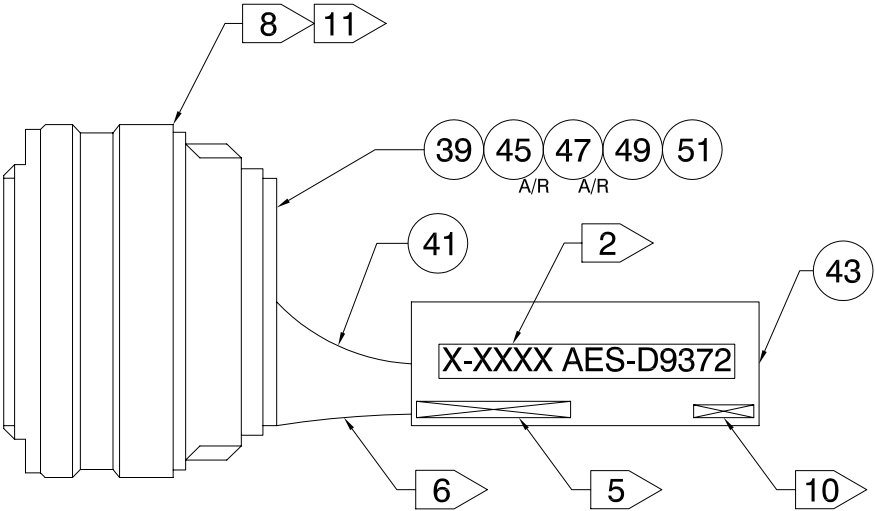
N/A

REVISIONS

DRG ISS No.	RELEASE DOC.	ISSUE DATE:	DRG CHANGE	APP BY:
1	DRN 1292	04.07.2005	NEW	ALH
2	DRN 1364	08.09.2005	DCN 0465	ALH

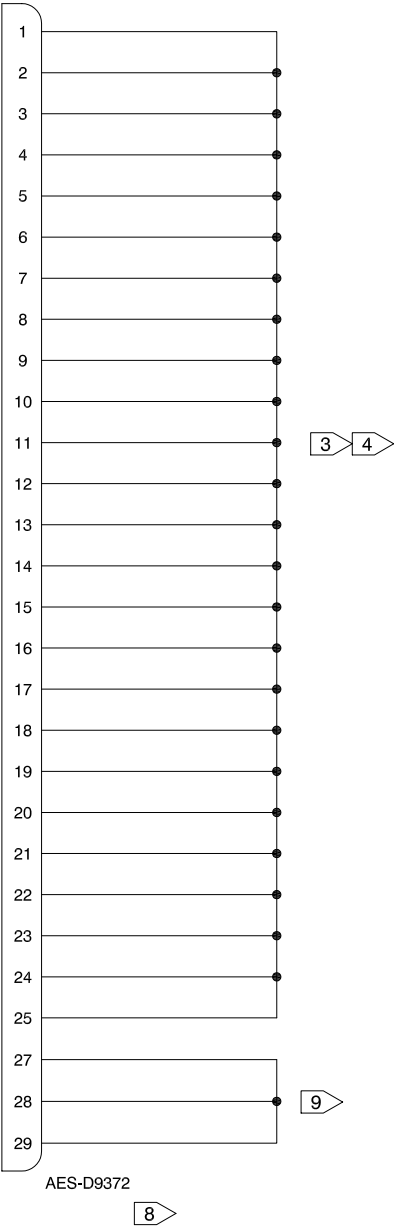
CABLE ASSY 1164-345-757-()	AIRCRAFT REG'N	7 MODE-S ADDRESS HOOKUP MATRIX (TABLE A)																									HEX CODE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
-001	C-GTBB	X	X								X	X	X		X	X		X	X	X	X					X	C076F0
-003	G-CPEP		X												X	X		X			X	X			X	X	400699
-005	G-CPEU		X												X	X	X	X				X				X	400788
-007	G-CPEV		X												X	X	X	X				X			X	X	400789
-009	G-OOBA		X											X			X					X	X		X	X	40090D
-011	G-OOBB		X											X			X					X	X	X		X	40090E
-013	G-OOBG		X												X	X	X	X				X		X		X	40078A
-015	G-OOBH		X											X		X		X				X		X		X	400A8A
-017	G-OOBI		X											X		X		X	X	X		X	X	X		X	400AEE
-019	G-OOBJ		X											X		X		X	X	X		X	X		X	X	400AED
-021	G-OOOK		X												X			X				X				X	400488
-023	G-OOOX		X												X		X			X	X			X	X	X	400533
-025	G-OOOY		X												X	X		X		X	X		X		X	X	4006B5
-027	G-OOOZ		X												X		X				X	X	X			X	40051C
-029	C-FOBH	X	X									X			X		X				X	X		X		X	C0251A
-031	C-FUBG	X	X									X	X		X			X	X	X	X				X	X	C034F1
-033	C-FLOK	X	X										X	X	X	X		X						X	X	X	C01E83
-035	C-GOOZ	X	X								X	X		X		X	X			X			X	X		X	C06B26
-037	C-FLEU	X	X										X	X	X		X	X				X			X	X	C01D89


AES LTD
OFFICIAL ISSUE
DATE: 13.09.05
COPY



MODE-S ADDRESS CODING PLUG ASSY -001 TO -037

(SCALE 1:1)



No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	MAP REF	ITEM No.	PART NUMBER		ITEM ISS	SEE SHEET 1		MATERIAL	SPECIFICATION	DIMENSIONS	TREATMENT			
No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF	No. OFF			KEYWORD / DESCRIPTION											
A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	A/D	HAND	DRAWN BY:		DATE:		MODIFICATION No:		OR REMARKS						
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	ISS	T HAWKINS		04 JUNE 2005		AES-757-427-PT-A								
1164-345-757-037	1164-345-757-035	1164-345-757-033	1164-345-757-031	1164-345-757-029	1164-345-757-027	1164-345-757-025	1164-345-757-023	1164-345-757-021	1164-345-757-019	1164-345-757-017	1164-345-757-015	1164-345-757-013	1164-345-757-011	1164-345-757-009	1164-345-757-007	1164-345-757-005	1164-345-757-003	1164-345-757-001	PART NUMBER	CHECKED BY:		SCALE:		EASA APP.: EASA.21J.036								
																					A HEISSIG		1:1 AT A3 U.O.S.				THIRD ANGLE PROJECTION:					
																					N/A		N/A U.O.S.									
																					A HEISSIG		SURFACE FINISH:		DIMENSIONS IN:							
																					TITLE:		MANUFACTURE OF MODE-S ADDRESS CODING PLUGS									

MODIFICATION EMBODIMENT INSTRUCTIONS

A. TITLE PAGE

TITLE: MANUFACTURE OF MODE-S ADDRESS CODING PARTS

DATE COMPILED: 04.07.2005

MODIFICATION NO.: AES-757-427 PTA

PROJECT NO.: 0404

EFFECTIVITY:	A/C TYPE	REG.	INDICATE AS APPLICABLE	SERIAL NO.
--------------	----------	------	------------------------	------------

NOT APPLICABLE

This document is issued for production engineering purposes.

The definitive design requirements are shown in mod AES-757-427 PTA, the contents of which override information contained in this MEI.

Differences resulting from existing repairs, variation in build standard or corrosion to be reported to AES Ltd Design Department.

Manufacturing processes and inspection and installation procedures are the responsibility of FIRST CHOICE AIRWAYS LTD.

ISSUE	1	2	3	4	5	6
DRN:	1292	1364				
DATE	04.07.2005	09.05.09				
COMPILED BY:	T HAWKINS	A MADDY				
CHECKED BY:	A HEISSIG	A HEISSIG				
DESIGN APP:	A HEISSIG	A HEISSIG				

MODIFICATION EMBODIMENT INSTRUCTIONS

B. REVISION DETAILS

WRITE BELOW A BRIEF SUMMARY OF THE CHANGES WHICH HAVE BEEN INTRODUCED AT THE STATED REVISION:

ISSUE	DESCRIPTION
1	NEW ISSUE
2	Table H: Note at bottom of table amended to reflect 2off assy's required per aircraft - ie TOTAL 2 x 19 = 38 assy's Changes indicated by a vertical marginal line

MODIFICATION EMBODIMENT INSTRUCTIONS

C. CONTENTS

A.	TITLE PAGE	1
B.	REVISION DETAILS.....	2
C.	CONTENTS	3
D1.	ACCOMPLISHMENT INSTRUCTIONS – MANUFACTURE OF MODE-S ADDRESS CODING PLUGS	4
E.	DOCUMENTS REQUIRED	5
F.	SPECIAL TOOLS REQUIRED	6
G.	ESTIMATED TIME REQUIRED	6
H.	PARTS REQUIRED LIST	7
I.	PARTS REMOVED LIST	8
J.	WIRE LIST	9
K.	WIRING DIAGRAMS	10
L.	MEI - REPORT SHEET.....	11
	APPENDIX A - FIRST CHOICE AIRWAYS RE-CERTIFICATION CONTROL SHEET	12
	APPENDIX B: - ADDITIONAL WORK CARD INDEX SHEET	13
	QUERY NOTE	14

MODIFICATION EMBODIMENT INSTRUCTIONS

D1. ACCOMPLISHMENT INSTRUCTIONS – MANUFACTURE OF MODE-S ADDRESS CODING PLUGS INDICATE A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

	MECH SIG.	INSP STAMP
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]	N/A	N/A
D1.1 <u>Ref AES Dwg 1164-345-757:</u> Making reference to AES drawing 1164-345-757 sheet 1, ensure all related parts to facilitate the manufacture of harness part No. 1164-345-757-() are in place.		
D1.2 <u>Ref AES Dwg 1164-345-757:</u> Manufacture coding plug assemblies I.A.W reference drawing, ensuring all notes are complied with.		
D1.3 <u>Ref AES Dwg 1178-345-757:</u> Carry out continuity and IR/OR checks on the assembled plug.		
D1.4 Protect exposed connector using a dust cap. Label and secure coding plug into sealed plastic bag for aircraft installation.		
END		

MODIFICATION EMBODIMENT INSTRUCTIONS

E. DOCUMENTS REQUIRED

THE FOLLOWING DOCUMENTS ARE REQUIRED FOR EMBODIMENT OF MODIFICATION AES-757-427 PTA. **NOTE: REFER TO MODIFICATION SHEET FOR LATEST DRAWING ISSUE.**

The following existing drawings/documents are required for embodiment:

<u>Drawing No</u>	<u>Title</u>	<u>SOURCE</u>
1164-345-757	MANUFACTURE OF MODE-S ADDRESS CODING PLUGS	AES

MODIFICATION EMBODIMENT INSTRUCTIONS

F. SPECIAL TOOLS REQUIRED

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR</u>	<u>COMMENTS</u>
M22520/1-01	CRIMP TOOL	QPL	
M22520/1-02	LOCATOR	QPL	

G. ESTIMATED TIME REQUIRED

It is estimated that this modification will take approximately 30 man-hours.

This is based on the direct labour cost to do the work. The estimated assume that the work will be done by experienced personal, and may need to be revised upwards to suit operators' circumstances. The estimates do not include the time to prepare, plan or inspect the work. Manufacture and procurement of parts and tools' drying time for paints sealants, etc and general administration work are also not included.

MODIFICATION EMBODIMENT INSTRUCTIONS

H. PARTS REQUIRED LIST KIT NUMBER MEI-565 (MOD. NUMBER: AES-757-427 PTA)

ITEM NO	PART NUMBER	QTY RQD	DESCRIPTION	USED ON	ADD/	REMARKS / VENDOR	ALT PART NUMBER	OWNER	REVISION
1	BACC45FT22-55PN	1	CONNECTOR - PLUG	1164-345-757	ADD	AES-D9372		FCA	1
2	BACC10GH22	1	CONNECTOR BACKSHELL	1164-345-757	ADD			FCA	1
3	TMS3/8-4	1	HEAT-SHRINKABLE SLEEVING	1164-345-757	ADD			FCA	1
4	BACC47CN1A	20	CONTACT – PIN	1164-345-757	ADD		BACC47CN1S	FCA	1
5	MS27488-20	50	SEAL CONTACTS	1164-345-757	ADD		PYLE NATIONAL No. BA-4020-59P	FCA	1
6	BMS13-60T01C01G024	10 FT	WIRE SINGLE CORE 24AWG	1164-345-757	ADD	BOEING CODE GA		FCA	1
7	TY23M	1	TIE WRAP	1164-345-757	ADD	OR EQUIVALENT		FCA	1

* Quantities shown above are per ELT coding plug assy. There are 38 assemblies required per drawing 1164-345-757.

MODIFICATION EMBODIMENT INSTRUCTIONS

I. PARTS REMOVED LIST

ITEM NO	PART NUMBER	QTY RQD	DESCRIPTION	USED ON	ADD/ REMOVE/ REWORK	REMARKS / VENDOR	ALT PART NUMBER	OWNER	REVISION
1					REMOVE			FCA	1

NONE

MODIFICATION EMBODIMENT INSTRUCTIONS

J. WIRE LIST

WIRE IDENT	WIRE CODE	GAUGE	LENGTH	WIRE TYPE	USED ON

NONE

MODIFICATION EMBODIMENT INSTRUCTIONS

K. WIRING DIAGRAMS

NONE

MODIFICATION EMBODIMENT INSTRUCTIONS

L. MEI - REPORT SHEET

THE MEI REPORT SHEET IS PROVIDED FOR THE PURPOSE OF COMMUNICATING TO AES DESIGN OFFICE ANY IMPROVEMENTS / SUGGESTIONS ARISING FROM THE EMBODIMENT OF THE MODIFICATION.

REPORT SHEET	MEI No: MEI-565 MOD No: AES-757-427 PTA
AIRCRAFT TYPE:	
REGISTRATION AND SERIAL NUMBER:	
LOCATION:	
COMMENTS:	
PREPARED BY / DATE: _____	

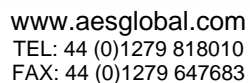
MODIFICATION EMBODIMENT INSTRUCTIONS

APPENDIX A

FIRST CHOICE AIRLINES RE-CERTIFICATION CONTROL SHEET

A/C REG.

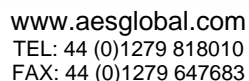
PART NUMBER	DESCRIPTION	SERIAL NO.	LOCATION	QTY.	COMMENTS I.E. SERVICEABLE / UNSERVICEABLE	DATE / INSPECTION STAMP



AES Limited
28 Golds Nurseries Business Park
Elsenham
Essex
CM22 6JX

(Photocopy additional sheets as required)

Item	Work card REF	Description	MECH SIG.	INSP STAMP

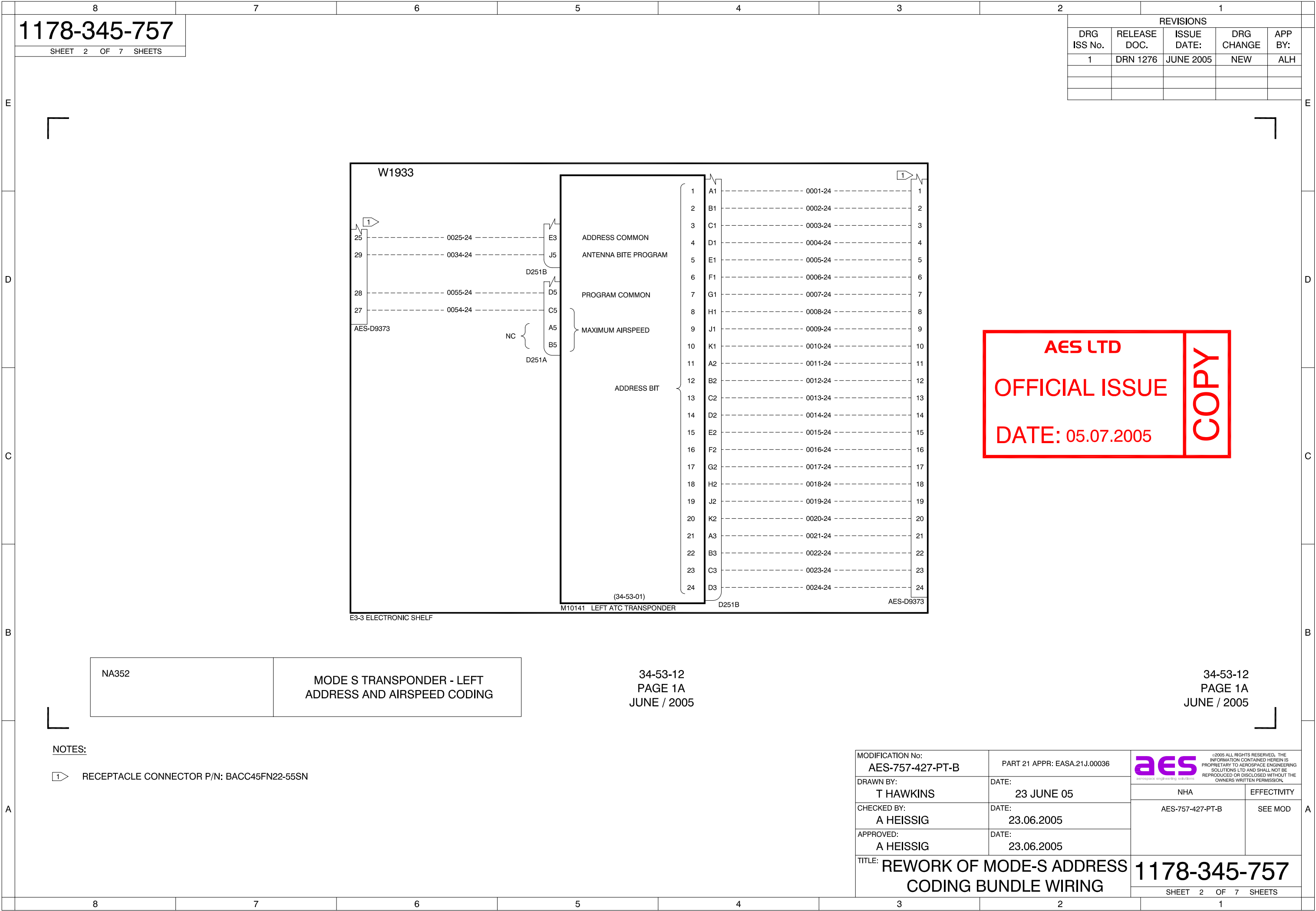


AES Limited
28 Golds Nurseries Business Park
Elsenham
Essex
CM22 6JX

QUERY NOTE		AES REF No.: QN-AES-.....-.....-..... (COMPLETED BY AES STAFF ONLY)
AIRCRAFT TYPE:.....	APPLICANTS NAME:.....	
REGISTRATION:.....	DATE:.....	
LOCATION:.....	APPLICANTS FAX No:.....	
DRAWING (S) / P/N AFFECTED:	APPLICANTS TEL No:.....	
GIVE FULL DETAILS, INCLUDE OR ATTACH RELEVANT SKETCHES 		

DESIGN RESPONSE TO QUERY NOTE	
DRAWING (S) TO BE AMENDED YES / NO	DATE AMENDED:
(AEROSPACE ENGINEERING SOLUTIONS LIMITED DESIGN OFFICE USE ONLY)	
COMPILED BY:	APPROVED BY:

8		7		6		5		4		3		2		1	
1178-345-757		REVISIONS													
		DRG ISS No.	RELEASE DOC.	ISSUE DATE:		DRG CHANGE	APP BY:								
SHEET 1 OF 7 SHEETS		1	DRN 1276	JUNE 2005		NEW	ALH								



NA352

MODE S TRANSPONDER - LEFT ADDRESS AND AIRSPEED CODING

34-53-12

PAGE 1A

JUNE / 2005

34-53-12

PAGE 1A

JUNE / 2005

NOTES:

1

 RECEPTACLE CONNECTOR P/N: BACC45FN22-55SN

MODIFICATION No: AES-757-427-PT-B	PART 21 APPR: EASA.21J.00036	<div><div>aes</div><div>©2005 ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO AEROSPACE ENGINEERING SOLUTIONS LTD AND SHALL NOT BE REPRODUCED OR DISCLOSED WITHOUT THE OWNERS WRITTEN PERMISSION.</div></div>	
DRAWN BY: T HAWKINS	DATE: 23 JUNE 05	NHA	EFFECTIVITY
CHECKED BY: A HEISSIG	DATE: 23.06.2005	AES-757-427-PT-B	SEE MOD
APPROVED: A HEISSIG	DATE: 23.06.2005		
TITLE: REWORK OF MODE-S ADDRESS CODING BUNDLE WIRING		1178-345-757	
		SHEET 2 OF 7 SHEETS	

8

7

6

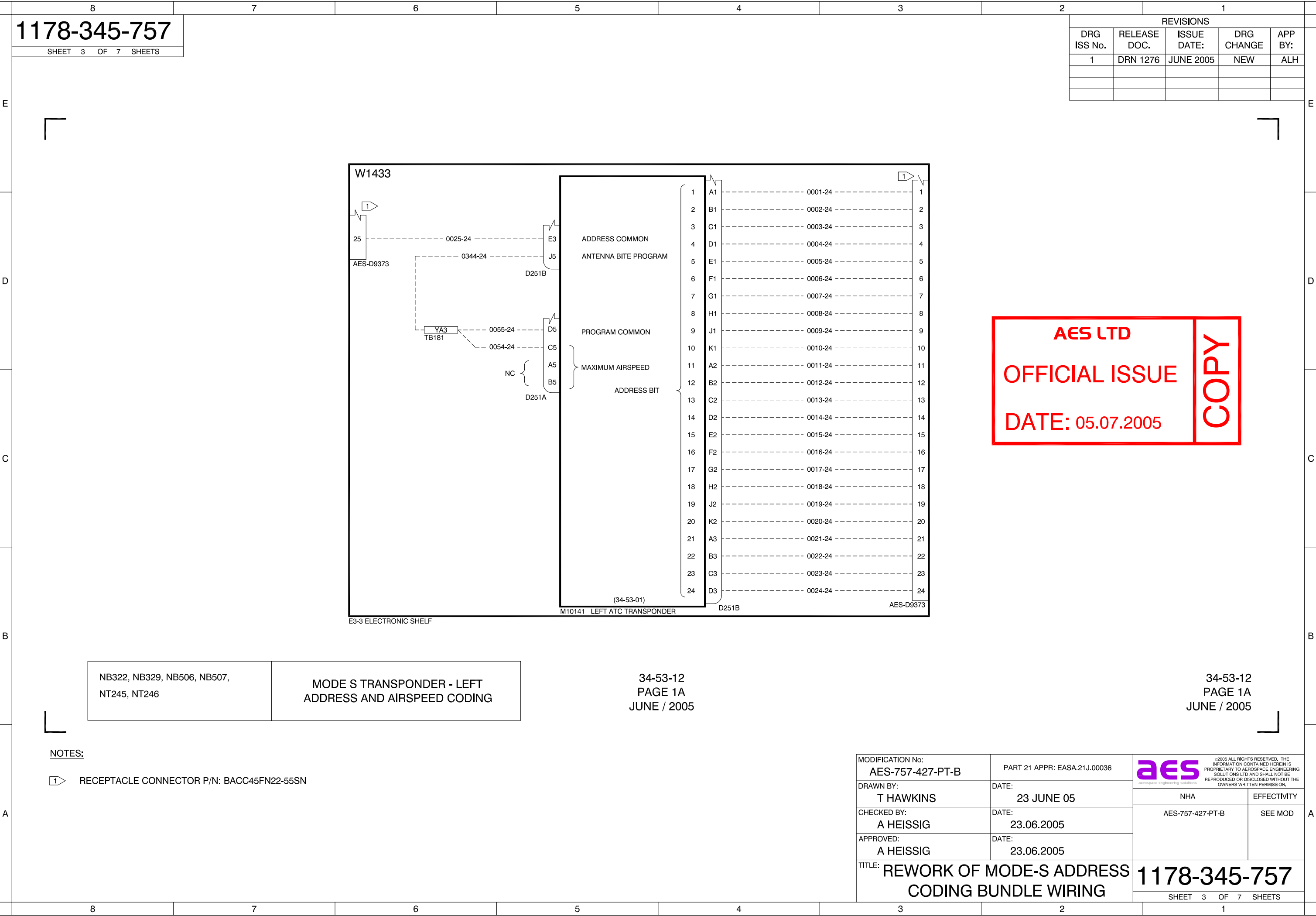
5

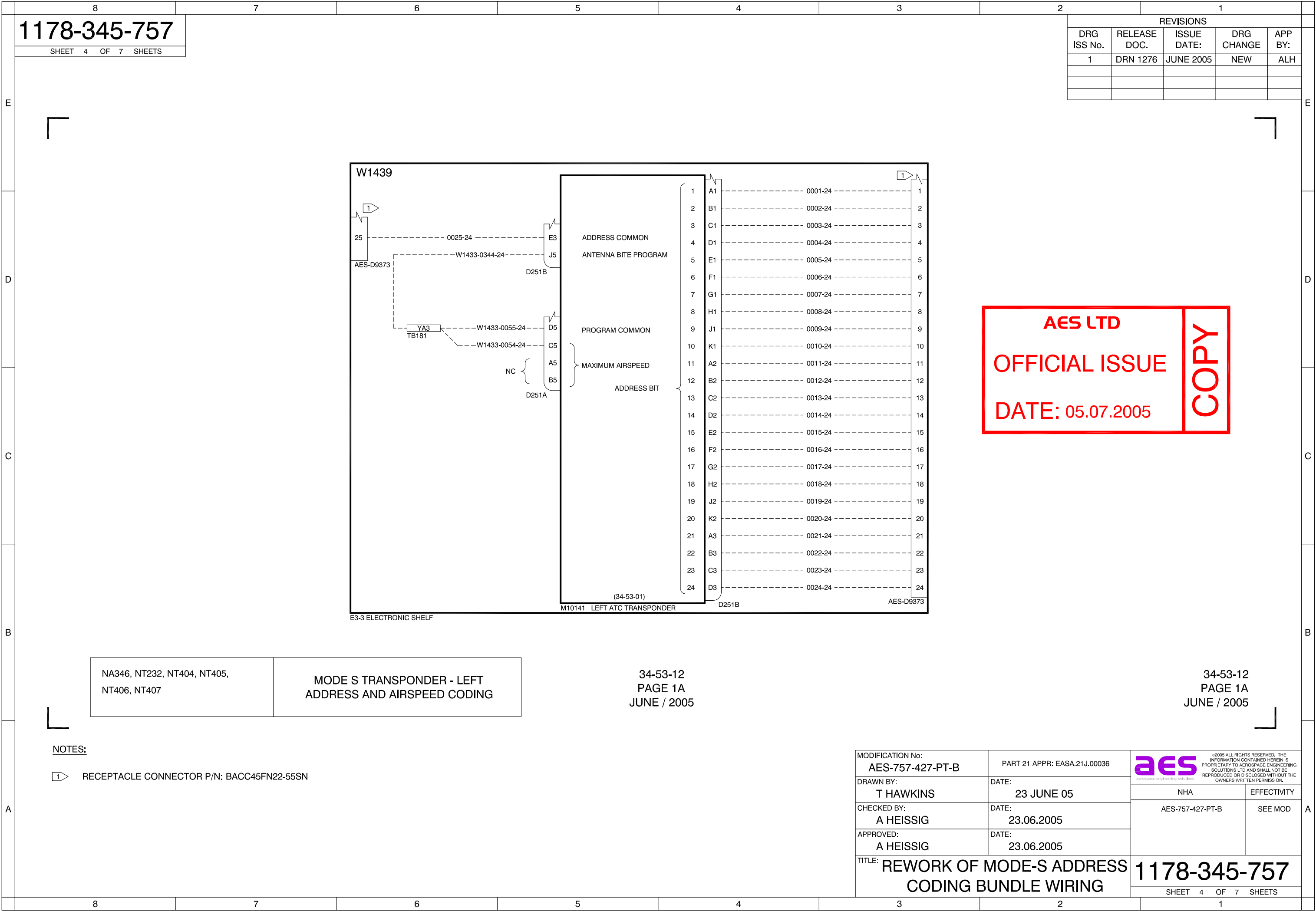
4

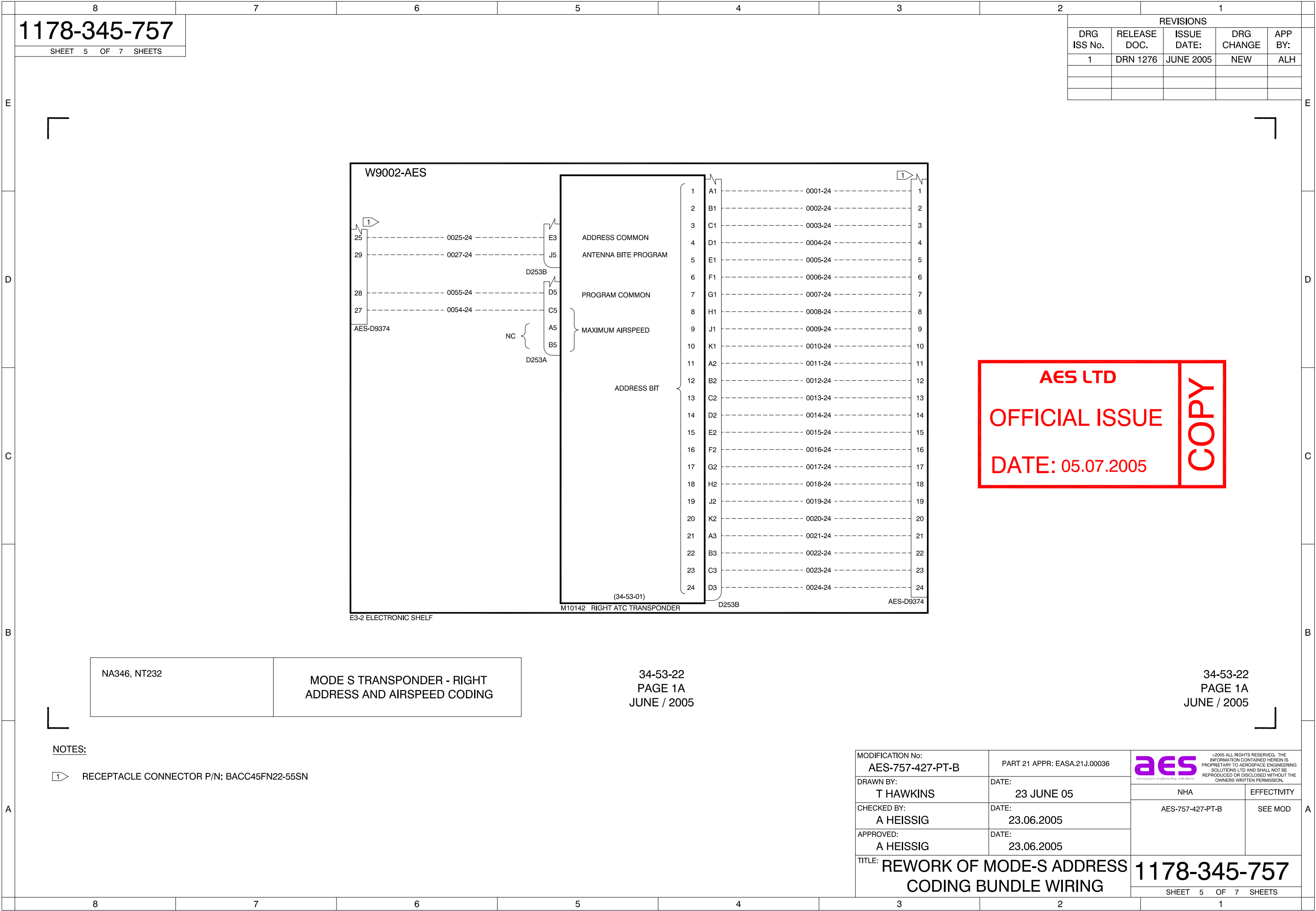
3

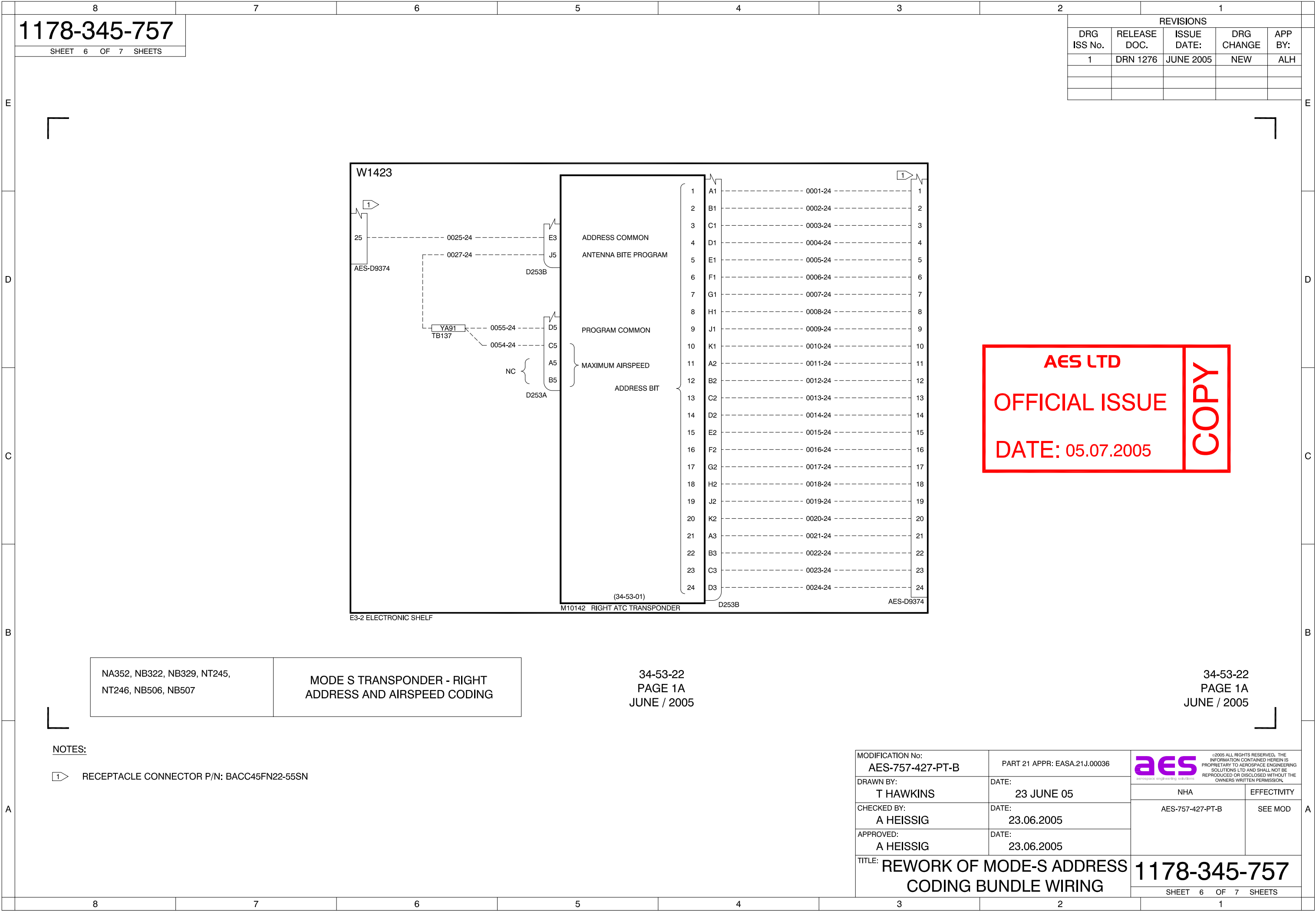
2

1









NA352, NB322, NB329, NT245,
NT246, NB506, NB507

MODE S TRANSPONDER - RIGHT
ADDRESS AND AIRSPEED CODING

34-53-22
PAGE 1A
JUNE / 2005

34-53-22
PAGE 1A
JUNE / 2005

NOTES:

1 RECEPTACLE CONNECTOR P/N: BACC45FN22-55SN

MODIFICATION No:
AES-757-427-PT-B

DRAWN BY:
T HAWKINS

CHECKED BY:
A HEISSIG

APPROVED:
A HEISSIG

TITLE:
REWORK OF MODE-S ADDRESS
CODING BUNDLE WIRING

PART 21 APPR: EASA.21J.00036

DATE:
23 JUNE 05

DATE:
23.06.2005

DATE:
23.06.2005

aes

©2005 ALL RIGHTS RESERVED. THE
INFORMATION CONTAINED HEREIN IS
PROPRIETARY TO AEROSPACE ENGINEERING
SOLUTIONS LTD AND SHALL NOT BE
REPRODUCED OR DISCLOSED WITHOUT THE
OWNERS WRITTEN PERMISSION.

NHA

AES-757-427-PT-B

EFFECTIVITY

SEE MOD

1178-345-757

SHEET 6 OF 7 SHEETS

1

2

3

4

5

6

7

8

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

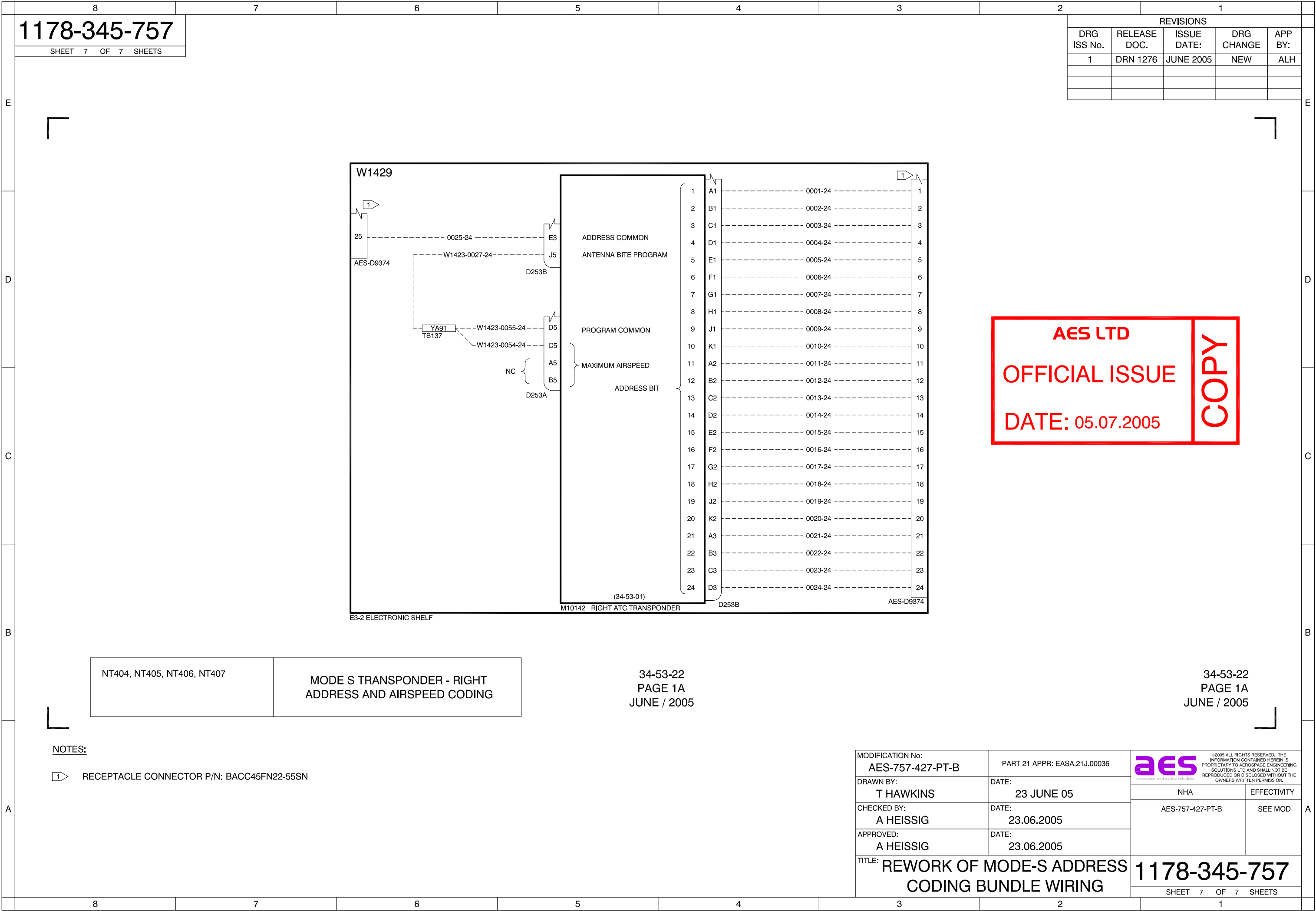
20

21

22

23

24



NT404, NT405, NT406, NT407

MODE S TRANSPONDER - RIGHT
ADDRESS AND AIRSPEED CODING

34-53-22
PAGE 1A
JUNE / 2005

34-53-22
PAGE 1A
JUNE / 2005

NOTES:

1 RECEPTACLE CONNECTOR P/N: BACC45FN22-55SN

MODIFICATION No: AES-757-427-PT-B	PART 21 APPR: EASA.21J.00036	<div><div>aes</div><div>©2005 ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO AEROSPACE ENGINEERING SOLUTIONS LTD AND SHALL NOT BE REPRODUCED OR DISCLOSED WITHOUT THE OWNERS WRITTEN PERMISSION.</div></div>	
DRAWN BY: T HAWKINS	DATE: 23 JUNE 05	NHA	EFFECTIVITY
CHECKED BY: A HEISSIG	DATE: 23.06.2005	AES-757-427-PT-B	SEE MOD
APPROVED: A HEISSIG	DATE: 23.06.2005		
TITLE: REWORK OF MODE-S ADDRESS CODING BUNDLE WIRING		1178-345-757	
		SHEET 7 OF 7 SHEETS	

8

7

6

5

4

3

2

1

MODIFICATION EMBODIMENT INSTRUCTIONS

A. TITLE PAGE

TITLE: REWORK OF LEFT AND RIGHT MODE-S TRANSPONDER CODING
BUNDLE AND INSTALLATION OF REMOVABLE MODE S CODING
PLUG

DATE COMPILED: 04.07.2005

MODIFICATION NO.: AES-757-427-PT B

PROJECT NO.: 0404

EFFECTIVITY: A/C TYPE REG. INDICATE AS SERIAL NO.
APPLICABLE

REFER TO SECTION D0 FOR AIRCRAFT EFFECTIVITIES

This document is issued for production engineering purposes.

The definitive design requirements are shown in mod AES-757-427-PT B, the contents of which override information contained in this MEI.

Differences resulting from existing repairs, variation in build standard or corrosion to be reported to AES Ltd Design Department.

Manufacturing processes and inspection and installation procedures are the responsibility of FIRST CHOICE AIRWAYS LTD.

ISSUE	1	2	3	4	5	6
DRN:	1276	1364				
DATE	04.07.2005	18.08.2005				
COMPILED BY:	T HAWKINS	A MADDY				
CHECKED BY:	A HEISSIG	A HEISSIG				
DESIGN APP:	A HEISSIG	A HEISSIG				

MODIFICATION EMBODIMENT INSTRUCTIONS

B. REVISION DETAILS

WRITE BELOW A BRIEF SUMMARY OF THE CHANGES WHICH HAVE BEEN INTRODUCED AT THE STATED REVISION:

ISSUE	DESCRIPTION
1	NEW ISSUE
2	D0: C-FLEU ADDED TO TABLE OF EFFECTIVITIES D2.5: C-FLEU ADDED TO PART NUMBER TABLE D3.5: C-FLEU ADDED TO PART NUMBER TABLE FIGURE 1 - AIRCRAFT REG / HEX CODE APPLICABILITY C-FLEU DETAILS ADDED TO TABLE ALL CHANGES INDICATED BY A MARGINAL VERTICAL LINE

MODIFICATION EMBODIMENT INSTRUCTIONS

C. CONTENTS

A.	TITLE PAGE	1
B.	REVISION DETAILS.....	2
C.	CONTENTS	3
D0.	AIRCRAFT EFFECTIVITIES	4
D1.	ACCOMPLISHMENT INSTRUCTIONS – PREPARATION	5
D2.	ACCOMPLISHMENT INSTRUCTIONS – E3-2 SHELF.....	6
D3.	ACCOMPLISHMENT INSTRUCTIONS – E3-3 SHELF.....	10
D4.	ACCOMPLISHMENT INSTRUCTIONS – FUNCTION TESTING.....	13
E.	DOCUMENTS REQUIRED	16
F.	SPECIAL TOOLS REQUIRED	17
G.	ESTIMATED TIME REQUIRED.....	17
H.	PARTS REQUIRED LIST	18
I.	PARTS REMOVED LIST	19
J.	WIRE LIST	20
K.	WIRING DIAGRAMS	21
L.	MEI - REPORT SHEET.....	22
	APPENDIX A - FIRST CHOICE AIRWAYS RE-CERTIFICATION CONTROL SHEET	23
	APPENDIX B: - ADDITIONAL WORK CARD INDEX SHEET	24
	QUERY NOTE	25

MODIFICATION EMBODIMENT INSTRUCTIONS

D0. AIRCRAFT EFFECTIVITIES

<u>AIRCRAFT REG</u>	<u>AIRCRAFT S/N</u>	<u>AIRCRAFT VAR</u>	<u>AIRCRAFT TYPE</u>
C-GTBB	32447	NT246	B757
C-FUBG	29942	NT405	B757
C-FOBH	29944	NT407	B757
C-FLOK	25054	NA346	B757
C-GOOZ	25593	NA352	B757
G-CPEP	25268	NB322	B757
G-CPEU	29941	NT404	B757
G-CPEV	29943	NT406	B757
G-OOBA	32446	NT245	B757
G-OOBB	32447	NT246	B757
G-OOBG	29942	NT405	B757
G-OOBH	29944	NT407	B757
G-OOBI	27146	NB506	B757
G-OOBJ	27147	NB507	B757
G-OOOK	25054	NA346	B757
G-OOOX	26158	NB329	B757
G-OOOY	28203	NT232	B757
G-OOOZ	25593	NA352	B757
C-FLEU	29941	NT404	B757

MODIFICATION EMBODIMENT INSTRUCTIONS

D1. ACCOMPLISHMENT INSTRUCTIONS – PREPARATION

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

	MECH SIG.	INSP STAMP
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]	N/A	N/A
D1.1 Remove electrical power from the airplane per 24-22-00 P201		
D1.2 Open all circuit breakers relevant to equipment fitted to E3-2 and E3-3 electronic shelves and attach 'DO-NOT-CLOSE' tags.		
D1.3 Locate the following circuit breakers on the P11 panel. Open and attach 'DO-NOT-CLOSE' tags: a) 11F07 ATC-L b) 11F28 ATC-R		
D1.4 Gain access to the E/E Bay.		
END		

MODIFICATION EMBODIMENT INSTRUCTIONS

D2. ACCOMPLISHMENT INSTRUCTIONS – E3-2 SHELF

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

				MECH SIG.	INSP STAMP																																				
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]				N/A	N/A																																				
D2.1 Gain access to E/E bay shelf E3-2. The following units may be removed to gain better access to the back of the rack.																																									
<table border="1"> <thead> <tr> <th colspan="4">E3-2</th> </tr> <tr> <th>IDENT</th> <th>DESCRIPTION</th> <th>REMOVAL</th> <th>SERIAL NO.</th> </tr> </thead> <tbody> <tr> <td>M187</td> <td>VOR/MKR R</td> <td>34-51-01 P401</td> <td>_____</td> </tr> <tr> <td>M153</td> <td>HF COMM R</td> <td>23-11-03 P401</td> <td>_____</td> </tr> <tr> <td>M186</td> <td>VOR/MKR L</td> <td>34-51-01 P401</td> <td>_____</td> </tr> <tr> <td>M127</td> <td>PACK TEMP CONT R</td> <td>21-51-14 P401</td> <td>_____</td> </tr> <tr> <td>M168</td> <td>MCDP</td> <td>22-41-01 P401</td> <td>_____</td> </tr> <tr> <td>M124</td> <td>DME R</td> <td>34-55-01 P401</td> <td>_____</td> </tr> <tr> <td>M10142</td> <td>ATC R</td> <td>34-53-01 P401</td> <td>_____</td> </tr> </tbody> </table>						E3-2				IDENT	DESCRIPTION	REMOVAL	SERIAL NO.	M187	VOR/MKR R	34-51-01 P401	_____	M153	HF COMM R	23-11-03 P401	_____	M186	VOR/MKR L	34-51-01 P401	_____	M127	PACK TEMP CONT R	21-51-14 P401	_____	M168	MCDP	22-41-01 P401	_____	M124	DME R	34-55-01 P401	_____	M10142	ATC R	34-53-01 P401	_____
E3-2																																									
IDENT	DESCRIPTION	REMOVAL	SERIAL NO.																																						
M187	VOR/MKR R	34-51-01 P401	_____																																						
M153	HF COMM R	23-11-03 P401	_____																																						
M186	VOR/MKR L	34-51-01 P401	_____																																						
M127	PACK TEMP CONT R	21-51-14 P401	_____																																						
M168	MCDP	22-41-01 P401	_____																																						
M124	DME R	34-55-01 P401	_____																																						
M10142	ATC R	34-53-01 P401	_____																																						
<p>Check for serviceability and tag all removed units. Route to safe storage.</p> <p>Remove E3-2 rack if required for access and route to workshop for rework.</p>																																									

MODIFICATION EMBODIMENT INSTRUCTIONS

D2. ACCOMPLISHMENT INSTRUCTIONS – E3-2 SHELF

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

		MECH SIG.	INSP STAMP																											
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]		N/A	N/A																											
D2.2	<p><u>Ref AES W/D 1178-345-757:</u></p> <p>Locate existing connector D753 on AE0302 disconnect panel and replace with new connector AES-D9373 (P/N BACC45FN22-55SN).</p> <p>Install removed wires in accordance with wiring diagram 1178-345-757. Refer to drawing page 1 for applicable aircraft sheets.</p>																													
D2.3	<p>Insert contact sealing plugs (P/N MS27488-20) in all remaining vacant contact positions.</p> <p>Carry out resistance and continuity checks on all new and disturbed wiring.</p>																													
D2.4	<p>Re-install the following LRU's if removed for access:</p> <table><tr><th colspan="3"><u>E3-2</u></th></tr><tr><th><u>IDENT</u></th><th><u>DESCRIPTION</u></th><th><u>INSTL'N</u></th></tr><tr><td>M187</td><td>VOR/MKR R</td><td>34-51-01 P401</td></tr><tr><td>M153</td><td>HF COMM R</td><td>23-11-03 P401</td></tr><tr><td>M186</td><td>VOR/MKR L</td><td>34-51-01 P401</td></tr><tr><td>M127</td><td>PACK TEMP CONT R</td><td>21-51-14 P401</td></tr><tr><td>M168</td><td>MCDP</td><td>22-41-01 P401</td></tr><tr><td>M124</td><td>DME R</td><td>34-55-01 P401</td></tr><tr><td>M10142</td><td>ATC R</td><td>34-53-01 P401</td></tr></table>	<u>E3-2</u>			<u>IDENT</u>	<u>DESCRIPTION</u>	<u>INSTL'N</u>	M187	VOR/MKR R	34-51-01 P401	M153	HF COMM R	23-11-03 P401	M186	VOR/MKR L	34-51-01 P401	M127	PACK TEMP CONT R	21-51-14 P401	M168	MCDP	22-41-01 P401	M124	DME R	34-55-01 P401	M10142	ATC R	34-53-01 P401		
<u>E3-2</u>																														
<u>IDENT</u>	<u>DESCRIPTION</u>	<u>INSTL'N</u>																												
M187	VOR/MKR R	34-51-01 P401																												
M153	HF COMM R	23-11-03 P401																												
M186	VOR/MKR L	34-51-01 P401																												
M127	PACK TEMP CONT R	21-51-14 P401																												
M168	MCDP	22-41-01 P401																												
M124	DME R	34-55-01 P401																												
M10142	ATC R	34-53-01 P401																												

MODIFICATION EMBODIMENT INSTRUCTIONS

D2. ACCOMPLISHMENT INSTRUCTIONS – E3-2 SHELF

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

	MECH SIG.	INSP STAMP																																								
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]	N/A	N/A																																								
D2.5 <u>Ref AES W/D 1164-345-757:</u> Locate from stores 2off coding plug assembly manufactured I.A.W the applicable aircraft registration imprinted on the coding plug sleeving. (Retain 1off assy for E3-3 shelf – Section D3.5) Install 1off coding plug on mating connector AES-D9373 located on E3-2 disconnect panel AE0302. Select P/N I.A.W table below: <table><tr><th><u>AIRCRAFT REGISTRATION</u></th><th><u>CODING PLUG P/N</u></th></tr><tr><td>C-GTBB</td><td>1164-345-757-001</td></tr><tr><td>G-CPEP</td><td>1164-345-757-003</td></tr><tr><td>G-CPEU</td><td>1164-345-757-005</td></tr><tr><td>G-CPEV</td><td>1164-345-757-007</td></tr><tr><td>G-OOBA</td><td>1164-345-757-009</td></tr><tr><td>G-OOBB</td><td>1164-345-757-011</td></tr><tr><td>G-OOBG</td><td>1164-345-757-013</td></tr><tr><td>G-OOBH</td><td>1164-345-757-015</td></tr><tr><td>G-OOBI</td><td>1164-345-757-017</td></tr><tr><td>G-OOBJ</td><td>1164-345-757-019</td></tr><tr><td>G-OOOK</td><td>1164-345-757-021</td></tr><tr><td>G-OOOX</td><td>1164-345-757-023</td></tr><tr><td>G-OOOY</td><td>1164-345-757-025</td></tr><tr><td>G-OOOZ</td><td>1164-345-757-027</td></tr><tr><td>C-FOBH</td><td>1164-345-757-029</td></tr><tr><td>C-FUBG</td><td>1164-345-757-031</td></tr><tr><td>C-FLOK</td><td>1164-345-757-033</td></tr><tr><td>C-GOOZ</td><td>1164-345-757-035</td></tr><tr><td>C-FLEU</td><td>1164-345-757-037</td></tr></table>	<u>AIRCRAFT REGISTRATION</u>	<u>CODING PLUG P/N</u>	C-GTBB	1164-345-757-001	G-CPEP	1164-345-757-003	G-CPEU	1164-345-757-005	G-CPEV	1164-345-757-007	G-OOBA	1164-345-757-009	G-OOBB	1164-345-757-011	G-OOBG	1164-345-757-013	G-OOBH	1164-345-757-015	G-OOBI	1164-345-757-017	G-OOBJ	1164-345-757-019	G-OOOK	1164-345-757-021	G-OOOX	1164-345-757-023	G-OOOY	1164-345-757-025	G-OOOZ	1164-345-757-027	C-FOBH	1164-345-757-029	C-FUBG	1164-345-757-031	C-FLOK	1164-345-757-033	C-GOOZ	1164-345-757-035	C-FLEU	1164-345-757-037		
<u>AIRCRAFT REGISTRATION</u>	<u>CODING PLUG P/N</u>																																									
C-GTBB	1164-345-757-001																																									
G-CPEP	1164-345-757-003																																									
G-CPEU	1164-345-757-005																																									
G-CPEV	1164-345-757-007																																									
G-OOBA	1164-345-757-009																																									
G-OOBB	1164-345-757-011																																									
G-OOBG	1164-345-757-013																																									
G-OOBH	1164-345-757-015																																									
G-OOBI	1164-345-757-017																																									
G-OOBJ	1164-345-757-019																																									
G-OOOK	1164-345-757-021																																									
G-OOOX	1164-345-757-023																																									
G-OOOY	1164-345-757-025																																									
G-OOOZ	1164-345-757-027																																									
C-FOBH	1164-345-757-029																																									
C-FUBG	1164-345-757-031																																									
C-FLOK	1164-345-757-033																																									
C-GOOZ	1164-345-757-035																																									
C-FLEU	1164-345-757-037																																									

MODIFICATION EMBODIMENT INSTRUCTIONS

D2. ACCOMPLISHMENT INSTRUCTIONS – E3-2 SHELF

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

	MECH SIG.	INSP STAMP
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]	N/A	N/A
END		

MODIFICATION EMBODIMENT INSTRUCTIONS

D3. ACCOMPLISHMENT INSTRUCTIONS – E3-3 SHELF

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

				MECH SIG.	INSP STAMP																																
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]				N/A	N/A																																
<p>D3.1 Gain access to E/E bay shelf E3-3. The following units may be removed to gain better access to the back of the rack.</p> <table border="1"> <thead> <tr> <th colspan="4"><u>E3-3</u></th> </tr> <tr> <th><u>IDENT</u></th> <th><u>DESCRIPTION</u></th> <th><u>REMOVAL</u></th> <th><u>SERIAL NO.</u></th> </tr> </thead> <tbody> <tr> <td>M123</td> <td>DME L</td> <td>34-55-01 P401</td> <td>_____</td> </tr> <tr> <td>M195</td> <td>ZONE TEMP CONT</td> <td>21-61-03 P401</td> <td>_____</td> </tr> <tr> <td>M10389</td> <td>STBY PACK TEMP CONT</td> <td>21-51-14 P401</td> <td>_____</td> </tr> <tr> <td>M126</td> <td>PACK TEMP CONT L</td> <td>21-51-14 P401</td> <td>_____</td> </tr> <tr> <td>M138</td> <td>DFDAU</td> <td>31-31-03 P401</td> <td>_____</td> </tr> <tr> <td>M10141</td> <td>ATC L</td> <td>34-53-01 P401</td> <td>_____</td> </tr> </tbody> </table> <p>Check for serviceability and tag all removed units. Route to safe storage.</p> <p>Remove E3-3 rack if required for access and route to workshop for rework.</p>				<u>E3-3</u>				<u>IDENT</u>	<u>DESCRIPTION</u>	<u>REMOVAL</u>	<u>SERIAL NO.</u>	M123	DME L	34-55-01 P401	_____	M195	ZONE TEMP CONT	21-61-03 P401	_____	M10389	STBY PACK TEMP CONT	21-51-14 P401	_____	M126	PACK TEMP CONT L	21-51-14 P401	_____	M138	DFDAU	31-31-03 P401	_____	M10141	ATC L	34-53-01 P401	_____		
<u>E3-3</u>																																					
<u>IDENT</u>	<u>DESCRIPTION</u>	<u>REMOVAL</u>	<u>SERIAL NO.</u>																																		
M123	DME L	34-55-01 P401	_____																																		
M195	ZONE TEMP CONT	21-61-03 P401	_____																																		
M10389	STBY PACK TEMP CONT	21-51-14 P401	_____																																		
M126	PACK TEMP CONT L	21-51-14 P401	_____																																		
M138	DFDAU	31-31-03 P401	_____																																		
M10141	ATC L	34-53-01 P401	_____																																		

MODIFICATION EMBODIMENT INSTRUCTIONS

D3. ACCOMPLISHMENT INSTRUCTIONS – E3-3 SHELF

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

		MECH SIG.	INSP STAMP																								
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]		N/A	N/A																								
D3.2 <u>Ref AES W/D 1178-345-757:</u> Locate existing connector D751 on AE0303 disconnect panel and replace with new connector AES-D9374 (P/N BACC45FN22-55SN). Install removed wires in accordance with wiring diagram 1178-345-757. Refer to drawing page 1 for applicable aircraft sheets.																											
D3.3	Insert contact sealing plugs (P/N MS27488-20) in all remaining vacant contact positions. Carry out resistance and continuity checks on all new and disturbed wiring.																										
D3.4	Re-install the following LRU's if removed for access: <table border="1"><thead><tr><th colspan="3">E3-3</th></tr><tr><th>IDENT</th><th>DESCRIPTION</th><th>INSTL'N</th></tr></thead><tbody><tr><td>M123</td><td>DME L</td><td>34-55-01 P401</td></tr><tr><td>M195</td><td>ZONE TEMP CONT</td><td>21-61-03 P401</td></tr><tr><td>M10389</td><td>STBY PACK TEMP CONT</td><td>21-51-14 P401</td></tr><tr><td>M126</td><td>PACK TEMP CONT L</td><td>21-51-14 P401</td></tr><tr><td>M138</td><td>DFDAU</td><td>31-31-03 P401</td></tr><tr><td>M10141</td><td>ATC L</td><td>34-53-01 P401</td></tr></tbody></table>	E3-3			IDENT	DESCRIPTION	INSTL'N	M123	DME L	34-55-01 P401	M195	ZONE TEMP CONT	21-61-03 P401	M10389	STBY PACK TEMP CONT	21-51-14 P401	M126	PACK TEMP CONT L	21-51-14 P401	M138	DFDAU	31-31-03 P401	M10141	ATC L	34-53-01 P401		
E3-3																											
IDENT	DESCRIPTION	INSTL'N																									
M123	DME L	34-55-01 P401																									
M195	ZONE TEMP CONT	21-61-03 P401																									
M10389	STBY PACK TEMP CONT	21-51-14 P401																									
M126	PACK TEMP CONT L	21-51-14 P401																									
M138	DFDAU	31-31-03 P401																									
M10141	ATC L	34-53-01 P401																									

MODIFICATION EMBODIMENT INSTRUCTIONS

D3. ACCOMPLISHMENT INSTRUCTIONS – E3-3 SHELF

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

		MECH SIG.	INSP STAMP																																								
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]		N/A	N/A																																								
D3.5	<p><u>Ref AES W/D 1164-345-757:</u></p> <p>Install 1 off coding plug on mating connector AES-D9374 located on E3-3 disconnect panel AE0303.</p> <p>Select P/N I.A.W table below:</p> <table border="1"> <thead> <tr> <th>AIRCRAFT REGISTRATION</th> <th>CODING PLUG P/N</th> </tr> </thead> <tbody> <tr><td>C-GTBB</td><td>1164-345-757-001</td></tr> <tr><td>G-CPEP</td><td>1164-345-757-003</td></tr> <tr><td>G-CPEU</td><td>1164-345-757-005</td></tr> <tr><td>G-CPEV</td><td>1164-345-757-007</td></tr> <tr><td>G-OOBA</td><td>1164-345-757-009</td></tr> <tr><td>G-OOBB</td><td>1164-345-757-011</td></tr> <tr><td>G-OOBG</td><td>1164-345-757-013</td></tr> <tr><td>G-OOBH</td><td>1164-345-757-015</td></tr> <tr><td>G-OOBI</td><td>1164-345-757-017</td></tr> <tr><td>G-OOBJ</td><td>1164-345-757-019</td></tr> <tr><td>G-OOOK</td><td>1164-345-757-021</td></tr> <tr><td>G-OOOX</td><td>1164-345-757-023</td></tr> <tr><td>G-OOOY</td><td>1164-345-757-025</td></tr> <tr><td>G-OOOZ</td><td>1164-345-757-027</td></tr> <tr><td>C-FOBH</td><td>1164-345-757-029</td></tr> <tr><td>C-FUBG</td><td>1164-345-757-031</td></tr> <tr><td>C-FLOK</td><td>1164-345-757-033</td></tr> <tr><td>C-GOOZ</td><td>1164-345-757-035</td></tr> <tr><td>C-FLEU</td><td>1164-345-757-037</td></tr> </tbody> </table>	AIRCRAFT REGISTRATION	CODING PLUG P/N	C-GTBB	1164-345-757-001	G-CPEP	1164-345-757-003	G-CPEU	1164-345-757-005	G-CPEV	1164-345-757-007	G-OOBA	1164-345-757-009	G-OOBB	1164-345-757-011	G-OOBG	1164-345-757-013	G-OOBH	1164-345-757-015	G-OOBI	1164-345-757-017	G-OOBJ	1164-345-757-019	G-OOOK	1164-345-757-021	G-OOOX	1164-345-757-023	G-OOOY	1164-345-757-025	G-OOOZ	1164-345-757-027	C-FOBH	1164-345-757-029	C-FUBG	1164-345-757-031	C-FLOK	1164-345-757-033	C-GOOZ	1164-345-757-035	C-FLEU	1164-345-757-037		
AIRCRAFT REGISTRATION	CODING PLUG P/N																																										
C-GTBB	1164-345-757-001																																										
G-CPEP	1164-345-757-003																																										
G-CPEU	1164-345-757-005																																										
G-CPEV	1164-345-757-007																																										
G-OOBA	1164-345-757-009																																										
G-OOBB	1164-345-757-011																																										
G-OOBG	1164-345-757-013																																										
G-OOBH	1164-345-757-015																																										
G-OOBI	1164-345-757-017																																										
G-OOBJ	1164-345-757-019																																										
G-OOOK	1164-345-757-021																																										
G-OOOX	1164-345-757-023																																										
G-OOOY	1164-345-757-025																																										
G-OOOZ	1164-345-757-027																																										
C-FOBH	1164-345-757-029																																										
C-FUBG	1164-345-757-031																																										
C-FLOK	1164-345-757-033																																										
C-GOOZ	1164-345-757-035																																										
C-FLEU	1164-345-757-037																																										
END																																											

MODIFICATION EMBODIMENT INSTRUCTIONS

D4. ACCOMPLISHMENT INSTRUCTIONS – FUNCTION TESTING

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

		MECH SIG.	INSP STAMP
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]		N/A	N/A
D4.1	Restore electrical power to the airplane per 24-22-00 P201		
D4.2	Close all circuit breakers opened in Section D1.2.		
D4.3	Locate the following circuit breakers on the P11 panel. Remove 'DO-NOT-CLOSE' tags and close: c) 11F07 ATC-L d) 11F28 ATC-R		

MODIFICATION EMBODIMENT INSTRUCTIONS

D4. ACCOMPLISHMENT INSTRUCTIONS – FUNCTION TESTING

INDICATE
A/C REG:

CERTIFICATE OF RELEASE TO SERVICE:

Certifies that the work specified, except as otherwise stated, was carried out in accordance with PART 145 and in respect to that work the aircraft/aircraft component is considered ready for Release to Service.

			MECH SIG.	INSP STAMP																																										
[All instructions stated within this section of the embodiment instructions are to be carried out in accordance with the relevant sections of the Aircraft Maintenance and Structural Repair Manual]			N/A	N/A																																										
D4.4 Carry out re-racking tests of the following units as follows:																																														
<table><tr><td><u>IDENT</u></td><td><u>DESCRIPTION</u></td><td><u>TEST</u></td></tr><tr><td>M187</td><td>VOR/MKR R</td><td>34-51-01 P401</td></tr><tr><td>M153</td><td>HF COMM R</td><td>23-11-03 P401</td></tr><tr><td>M186</td><td>VOR/MKR L</td><td>34-51-01 P401</td></tr><tr><td>M127</td><td>PACK TEMP CONT R</td><td>21-51-14 P401</td></tr><tr><td>M168</td><td>MCDP</td><td>22-41-01 P401</td></tr><tr><td>M124</td><td>DME R</td><td>34-55-01 P401</td></tr><tr><td>M123</td><td>DME L</td><td>34-55-01 P401</td></tr><tr><td>M195</td><td>ZONE TEMP CONT</td><td>21-61-03 P401</td></tr><tr><td>M10389</td><td>STBY PACK TEMP CONT</td><td>21-51-14 P401</td></tr><tr><td>M126</td><td>PACK TEMP CONT L</td><td>21-51-14 P401</td></tr><tr><td>M138</td><td>DFDAU</td><td>31-31-03 P401</td></tr><tr><td>M10141</td><td>ATC L</td><td>34-53-01 P401</td></tr><tr><td>M10142</td><td>ATC R</td><td>34-53-01 P401</td></tr></table>			<u>IDENT</u>	<u>DESCRIPTION</u>	<u>TEST</u>	M187	VOR/MKR R	34-51-01 P401	M153	HF COMM R	23-11-03 P401	M186	VOR/MKR L	34-51-01 P401	M127	PACK TEMP CONT R	21-51-14 P401	M168	MCDP	22-41-01 P401	M124	DME R	34-55-01 P401	M123	DME L	34-55-01 P401	M195	ZONE TEMP CONT	21-61-03 P401	M10389	STBY PACK TEMP CONT	21-51-14 P401	M126	PACK TEMP CONT L	21-51-14 P401	M138	DFDAU	31-31-03 P401	M10141	ATC L	34-53-01 P401	M10142	ATC R	34-53-01 P401		
<u>IDENT</u>	<u>DESCRIPTION</u>	<u>TEST</u>																																												
M187	VOR/MKR R	34-51-01 P401																																												
M153	HF COMM R	23-11-03 P401																																												
M186	VOR/MKR L	34-51-01 P401																																												
M127	PACK TEMP CONT R	21-51-14 P401																																												
M168	MCDP	22-41-01 P401																																												
M124	DME R	34-55-01 P401																																												
M123	DME L	34-55-01 P401																																												
M195	ZONE TEMP CONT	21-61-03 P401																																												
M10389	STBY PACK TEMP CONT	21-51-14 P401																																												
M126	PACK TEMP CONT L	21-51-14 P401																																												
M138	DFDAU	31-31-03 P401																																												
M10141	ATC L	34-53-01 P401																																												
M10142	ATC R	34-53-01 P401																																												
D4.5	Using IFR ATC-601 test set, ensure Left and Right Mode-S ATC transponder address code are correct for the applicable aircraft registration in accordance with Figure 1.																																													
D4.6	If no longer required, Remove electrical power from the airplane per 24-22-00 P201.																																													
END																																														

MODIFICATION EMBODIMENT INSTRUCTIONS

<u>Aircraft Registration</u>	<u>Variable No.</u>	<u>Hexadecimal Code</u>
G-OOBH	NT407	400A8A
G-OOBG	NT405	40078A
G-OOOK	NA346	400488
G-OOOZ	NA352	40051C
G-OOBB	NT246	40090E
G-CPEP	NB322	400699
G-CPEU	NT404	400788
G-CPEV	NT406	400789
G-OOBA	NT245	40090D
G-OOBI	NB506	400AEE
G-OOBJ	NB507	400AED
G-OOOX	NB329	400533
G-OOOY	NT232	4006B5
C-FOBH	NT407	C0251A
C-FUBG	NT405	C034F1
C-FLOK	NA346	C01E83
C-GOOZ	NA352	C06B26
C-GTBB	NT246	C076F0
C-FLEU	NT404	C01D89

FIGURE 1 - AIRCRAFT REG / HEX CODE APPLICABILITY

MODIFICATION EMBODIMENT INSTRUCTIONS

E. DOCUMENTS REQUIRED

THE FOLLOWING DOCUMENTS ARE REQUIRED FOR EMBODIMENT OF MODIFICATION AES-757-427-PT B. **NOTE: REFER TO MODIFICATION SHEET FOR LATEST DRAWING ISSUE.**

The following existing drawings/documents are required for embodiment:

<u>Drawing No</u>	<u>Title</u>	<u>SOURCE</u>
1164-345-757	MANUFACTURE OF MODE-S ADDRESS CODING PLUGS	AES
1178-345-757	REWORK OF MODE-S ADDRESS CODING BUNDLE WIRING	AES

MODIFICATION EMBODIMENT INSTRUCTIONS

F. SPECIAL TOOLS REQUIRED

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR</u>	<u>COMMENTS</u>
M22520/1-01	CRIMP TOOL	DMC	
M22520/1-02	LOCATOR	DMC	

G. ESTIMATED TIME REQUIRED

It is estimated that this modification will take approximately 25 man-hours.

This is based on the direct labour cost to do the work. The estimated assume that the work will be done by experienced personal, and may need to be revised upwards to suit operators' circumstances. The estimates do not include the time to prepare, plan or inspect the work. Manufacture and procurement of parts and tools' drying time for paints sealants, etc and general administration work are also not included.

MODIFICATION EMBODIMENT INSTRUCTIONS

H. PARTS REQUIRED LIST KIT NUMBER MEI-564 (MOD. NUMBER: AES-757-427-PT B)

ITEM NO	PART NUMBER	QTY RQD	DESCRIPTION	USED ON	ADD/	REMARKS / VENDOR	ALT PART NUMBER	OWNER	REVISION
1	BACC45FN22-55SN	2	CONN'R - RECEPTACLE	1178-345-757	ADD			FCA	1
2	MS27488-20	25	CONTACT SEALING PLUGS	1178-345-757	ADD			FCA	1
3	1164-345-757-(*)	2	MODE-S CODING PLUG	MEI-564 / 1164-345-757	ADD	*REFER TO MEI SECTION D2.5 / D3.5 AND REFERENCE DRAWING FOR CORRECT P/N		FCA	1

MODIFICATION EMBODIMENT INSTRUCTIONS

I. PARTS REMOVED LIST

ITEM NO	PART NUMBER	QTY RQD	DESCRIPTION	USED ON	ADD/ REMOVE/ REWORK	REMARKS / VENDOR	ALT PART NUMBER	OWNER	REVISION
1	BACC45FT22A55S	1	CONNECTOR - PLUG	34-53-22 E3-2 SHELF	REMOVE	D751		FCA	1
2	BACC45FT22A55S	1	CONNECTOR - PLUG	34-53-12 E3-3 SHELF	REMOVE	D753		FCA	1

MODIFICATION EMBODIMENT INSTRUCTIONS

J. WIRE LIST

WIRE IDENT	WIRE CODE	GAUGE	LENGTH	WIRE TYPE	USED ON

NONE

MODIFICATION EMBODIMENT INSTRUCTIONS

K. WIRING DIAGRAMS

NONE

REF AES W/D: 1178-345-757

MODIFICATION EMBODIMENT INSTRUCTIONS

L. MEI - REPORT SHEET

THE MEI REPORT SHEET IS PROVIDED FOR THE PURPOSE OF COMMUNICATING TO AES DESIGN OFFICE ANY IMPROVEMENTS / SUGGESTIONS ARISING FROM THE EMBODIMENT OF THE MODIFICATION.

REPORT SHEET	MEI No: MEI-564 MOD No: AES-757-427-PT B
AIRCRAFT TYPE:	
REGISTRATION AND SERIAL NUMBER:	
LOCATION:	
COMMENTS:	
PREPARED BY / DATE: _____	

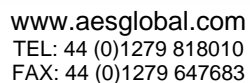
MODIFICATION EMBODIMENT INSTRUCTIONS

APPENDIX A

FIRST CHOICE AIRLINES RE-CERTIFICATION CONTROL SHEET

A/C REG.

PART NUMBER	DESCRIPTION	SERIAL NO.	LOCATION	QTY.	COMMENTS I.E. SERVICEABLE / UNSERVICEABLE	DATE / INSPECTION STAMP



AES Limited
28 Golds Nurseries Business Park
Elsenham
Essex
CM22 6JX

(Photocopy additional sheets as required)

Item	Work card REF	Description	MECH SIG.	INSP STAMP
------	---------------	-------------	-----------	---------------

QUERY NOTE		AES REF No.: QN-AES-.....-.....-..... (COMPLETED BY AES STAFF ONLY)
AIRCRAFT TYPE:.....	APPLICANTS NAME:.....	
REGISTRATION:.....	DATE:.....	
LOCATION:.....	APPLICANTS FAX No:.....	
DRAWING (S) / P/N AFFECTED:	APPLICANTS TEL No:.....	
GIVE FULL DETAILS, INCLUDE OR ATTACH RELEVANT SKETCHES		

DESIGN RESPONSE TO QUERY NOTE	
DRAWING (S) TO BE AMENDED YES / NO	DATE AMENDED:
(AEROSPACE ENGINEERING SOLUTIONS LIMITED DESIGN OFFICE USE ONLY)	
COMPILED BY:	APPROVED BY:



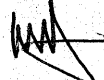
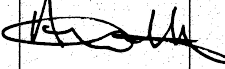


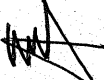
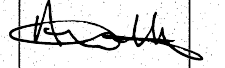

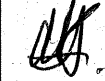
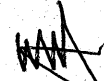
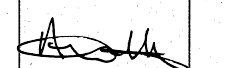
AES Limited**PUBLICATION REVISION****Document No. AES-TP-0031****TRANSMITTAL SHEET**

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

Project No.: 0909**DRN: 2517****Revision No.: Issue 1**

Reason for Issue: To introduce supplements to the aircraft technical publications listed in the introduction. This is the Introduction of an enhanced mode S transponder under cover of AES modifications AES-757-300, AES-757-345 and AES-757-434 .

AIRCRAFT TECHNICAL PUBLICATION SUPPLEMENT - CERTIFICATION

Manual & Chapter	Prepared by	Responsible for design	Date	Compliance Verification Engineer / Approval		
				Stress	Design	Systems
Aircraft Maintenance Manual 34-53	T N Gaunt		4/10/07			
Illustrated Parts Catalog 34-53	T N Gaunt		4/10/07			
Wiring Diagram Manual 34-53	T N Gaunt		4/10/07			

EFFECTIVITY

24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099 (NJ002), 33100 (NJ003)

TRANSMITTALPage A
Oct 04/2007

INTRODUCTION - GENERAL

- 1 This modification introduces an enhanced mode S transponder to the subject aircraft. This technical publication supplement describes the installed equipment, and gives the removal, installation and test procedures for the equipment.
- 2 The only 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 Aircraft effectivity details are given in the table below.

Manufacturer's Serial Number (MSN)	Registration	Variable Number	Customer Effectivity Code
24017	C-FTDV	NA443	003
24292	G-OOOG	NT405	004
25054	G-OOOK	NA346	115
25268	G-CPEP	NB322	952
25593	G-OOOZ	NA352	121
26158	G-000X	NB329	009
27146	G-OOBI	NB506	006
27147	G-OOBJ	NB507	002
28203	G-OOOY	NT232	010
29941	G-CPEU	NT404	504
29942	G-OOBG	NT405	505
29943	G-CPEV	NT406	506
29944	G-OOBH	NT407	507
32446	G-OOBA	NT245	950
32447	C-GTBB	NT246	951
33098	G-OOBC	NJ001	098
33099	G-OOBD	NJ002	099
33100	G-OOBE	NJ003	100

EFFECTIVITY

24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099 (NJ002), 33100 (NJ003)

TRANSMITTAL

AIRCRAFT WIRING DIAGRAM MANUAL SUPPLEMENT
LIST OF EFFECTIVE PAGES

CHAP-SECT-UNIT	PAGE No.	DATE	CHAP-SECT-UNIT	PAGE No.	DATE
EFFECTIVE PAGES	i	Oct 04/2007	34-53-21	10	Oct 04/2007
REVISIONS	ii	Oct 04/2007	34-53-21	11	Oct 04/2007
INTRODUCTION	iii	Oct 04/2007	34-53-21	12	Oct 04/2007
CONTENTS	iv	Oct 04/2007	34-53-21	13	Oct 04/2007
CONTENTS	v	Oct 04/2007	34-53-21	14	Oct 04/2007
FIN NUMBERS	vi	Oct 04/2007			
34-53-11	1	Oct 04/2007			
34-53-11	2	Oct 04/2007			
34-53-11	3	Oct 04/2007			
34-53-11	4	Oct 04/2007			
34-53-11	5	Oct 04/2007			
34-53-11	6	Oct 04/2007			
34-53-11	7	Oct 04/2007			
34-53-11	8	Oct 04/2007			
34-53-11	9	Oct 04/2007			
34-53-11	10	Oct 04/2007			
34-53-11	11	Oct 04/2007			
34-53-11	12	Oct 04/2007			
34-53-11	13	Oct 04/2007			
34-53-11	14	Oct 04/2007			
34-53-11	15	Oct 04/2007			
34-53-21	1	Oct 04/2007			
34-53-21	2	Oct 04/2007			
34-53-21	3	Oct 04/2007			
34-53-21	4	Oct 04/2007			
34-53-21	5	Oct 04/2007			
34-53-21	6	Oct 04/2007			
34-53-21	7	Oct 04/2007			
34-53-21	8	Oct 04/2007			
34-53-21	9	Oct 04/2007			

EFFECTIVITY

 24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593
 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203
 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944
 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099
 (NJ002), 33100 (NJ003)

WDM SUPP--LEP

AIRCRAFT WIRING DIAGRAM MANUAL SUPPLEMENT**INTRODUCTION**

- 1 This section supplements the manufacturer's aircraft wiring diagram manuala.
- 2 Aircraft effectivity details are given in the table below.

Manufacturer's Serial Number (MSN)	Registration	Variable Number	Customer Effectivity Code
24017	C-FTDV	NA443	003
24292	G-OOOG	NT405	004
25054	G-OOOK	NA346	115
25268	G-CPEP	NB322	952
25593	G-OOOZ	NA352	121
26158	G-000X	NB329	009
27146	G-OOBI	NB506	006
27147	G-OOBJ	NB507	002
28203	G-OOOY	NT232	010
29941	G-CPEU	NT404	504
29942	G-OOBG	NT405	505
29943	G-CPEV	NT406	506
29944	G-OOBH	NT407	507
32446	G-OOBA	NT245	950
32447	C-GTBB	NT246	951
33098	G-OOBC	NJ001	098
33099	G-OOBD	NJ002	099
33100	G-OOBE	NJ003	100

EFFECTIVITY

24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099 (NJ002), 33100 (NJ003)

WDM SUPP--INTRO

AIRCRAFT WIRING DIAGRAM MANUAL SUPPLEMENT
TABLE OF CONTENTS

TITLE	CHAPTER SECTION SUBJECT-PAGE	EFFECTIVITY
LEFT TRANSPONDER SYSTEM - PAGE 1A	34-53-11-2	003004
LEFT TRANSPONDER SYSTEM - PAGE 1A	34-53-11-3	009009
LEFT TRANSPONDER SYSTEM - PAGE 1A	34-53-11-4	952952
LEFT TRANSPONDER SYSTEM - PAGE 1A	34-53-11-5	101103
LEFT TRANSPONDER SYSTEM - PAGE 1A	34-53-11-6	115115
LEFT TRANSPONDER SYSTEM - PAGE 1A	34-53-11-7	950951
LEFT TRANSPONDER SYSTEM - PAGE 1A	34-53-11-8	504507
LEFT TRANSPONDER SYSTEM - PAGE 1A	34-53-11-9	010010
LEFT TRANSPONDER SYSTEM - PAGE 1A	34-53-11-10	121121
LEFT TRANSPONDER SYSTEM - PAGE 2A	34-53-11-11	504507 950951
LEFT TRANSPONDER SYSTEM REWORK - PAGE 1A	34-53-11-12	002,006
LEFT TRANSPONDER SYSTEM REWORK - PAGE 1A	34-53-11-13	002,006
LEFT TRANSPONDER SYSTEM, WIRING PROVISIONS FOR ENHANCED MODE S PARAMETERS - PAGE 2A	34-53-11-14	002002
LEFT TRANSPONDER SYSTEM, WIRING PROVISIONS FOR ENHANCED MODE S PARAMETERS - PAGE 2A	34-53-11-15	006006
RIGHT TRANSPONDER SYSTEM REWORK - PAGE 1A	34-53-21-1	002,006
RIGHT TRANSPONDER SYSTEM, WIRING PROVISIONS FOR ENHANCED MODE S PARAMETERS - PAGE 2A	34-53-21-2	002,006
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-3	003,004, 009,252
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-4	504,506
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-5	505505
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-6	507507
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-7	950950
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-8	951951
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-9	101103

EFFECTIVITY

 24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593
 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203
 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944
 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099
 (NJ002), 33100 (NJ003)

WDM SUPP--TOC

TITLE	CHAPTER SECTION SUBJECT-PAGE	EFFECTIVITY
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-10	121121
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-11	115115
RIGHT TRANSPONDER SYSTEM - PAGE 1A	34-53-21-12	010010
IRU BUS OUTPUT CHANGE	34-53-21-31	504507 950951

EFFECTIVITY

24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099 (NJ002), 33100 (NJ003)

WDM SUPP--TOC

FUNCTIONAL IDENTIFICATION NUMBERS
INTRODUCTION

- 1 General
- A The Functional Information Numbers (FINs) are given in Table 1.

EFFECTIVITY

24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099 (NJ002), 33100 (NJ003)

Table 1 Functional Information Numbers

EQUIPMENT NUMBER	PART NUMBER	DESCRIPTION	USED ON DRAWING	QTY.	USED ON WIRING DIAGRAM	SUPPLIER CODE	EFFECT.
M10140	G7490-42	ATC CONTROL PANEL	---	1	??-??-??	V99837	002004 006006 009009 010100 101103 115115 121121 504507 950950 951951 952952
M10141	822-1338-003	TRANSPONDER	---	1	34-53-11	V4V792	002004 006006 009009 010100 101103 115115 121121 504507 950950 951951 952952

EFFECTIVITY

24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099 (NJ002), 33100 (NJ003)

WDM SUPP-FINS-

Table 1 Functional Information Numbers

EQUIPMENT NUMBER	PART NUMBER	DESCRIPTION	USED ON DRAWING	QTY.	USED ON WIR- ING DIAGRAM	SUPPLIER CODE	EFFECT.
M10142	822-1338-003	TRANSPONDER	---	1	34-53-21	V4V792	002004 006006 009009 010100 101103 115115 121121 504507 950950 951951 952952

EFFECTIVITY

24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099 (NJ002), 33100 (NJ003)







WDM SUPP-FINS-

LEFT TRANSPONDER SYSTEM

INTRODUCTION

1 General

A The legend used on wiring diagrams is shown in the table below.

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 # = NUMERAL

EFFECTIVITY

24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099 (NJ002), 33100 (NJ003)

WDM SUPP 34-53-11

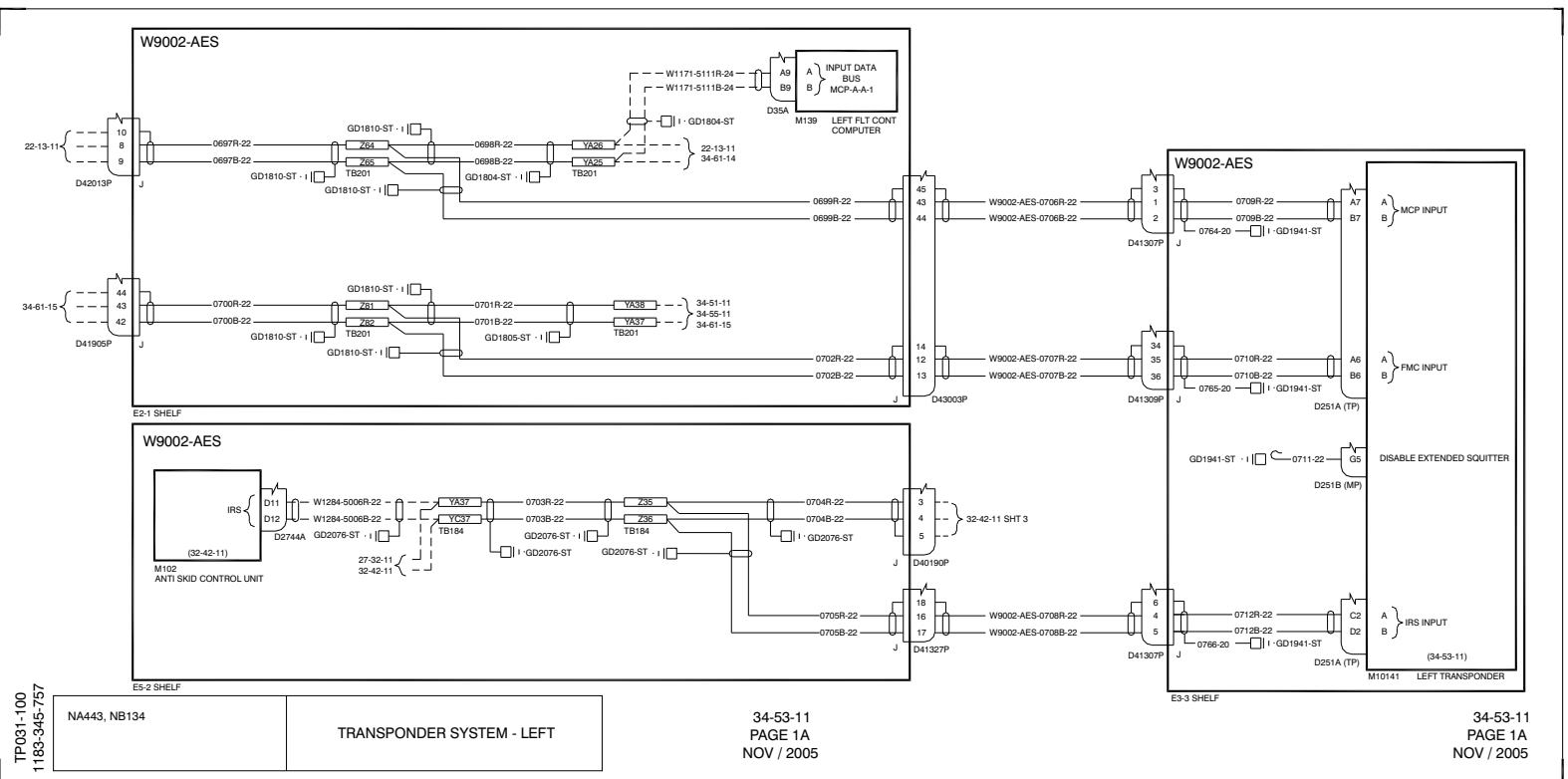
Boeing 757-200 First Choice Airways

AES modifications AES-757-300,
AES-757-345 and AES-757-434

WIRING DIAGRAM MANUAL

Technical Publications Supplement AES-TP-0031

INTRODUCTION OF AN ENHANCED MODE S TRANSPONDER



757-300-100-130DL

NA443, NB134

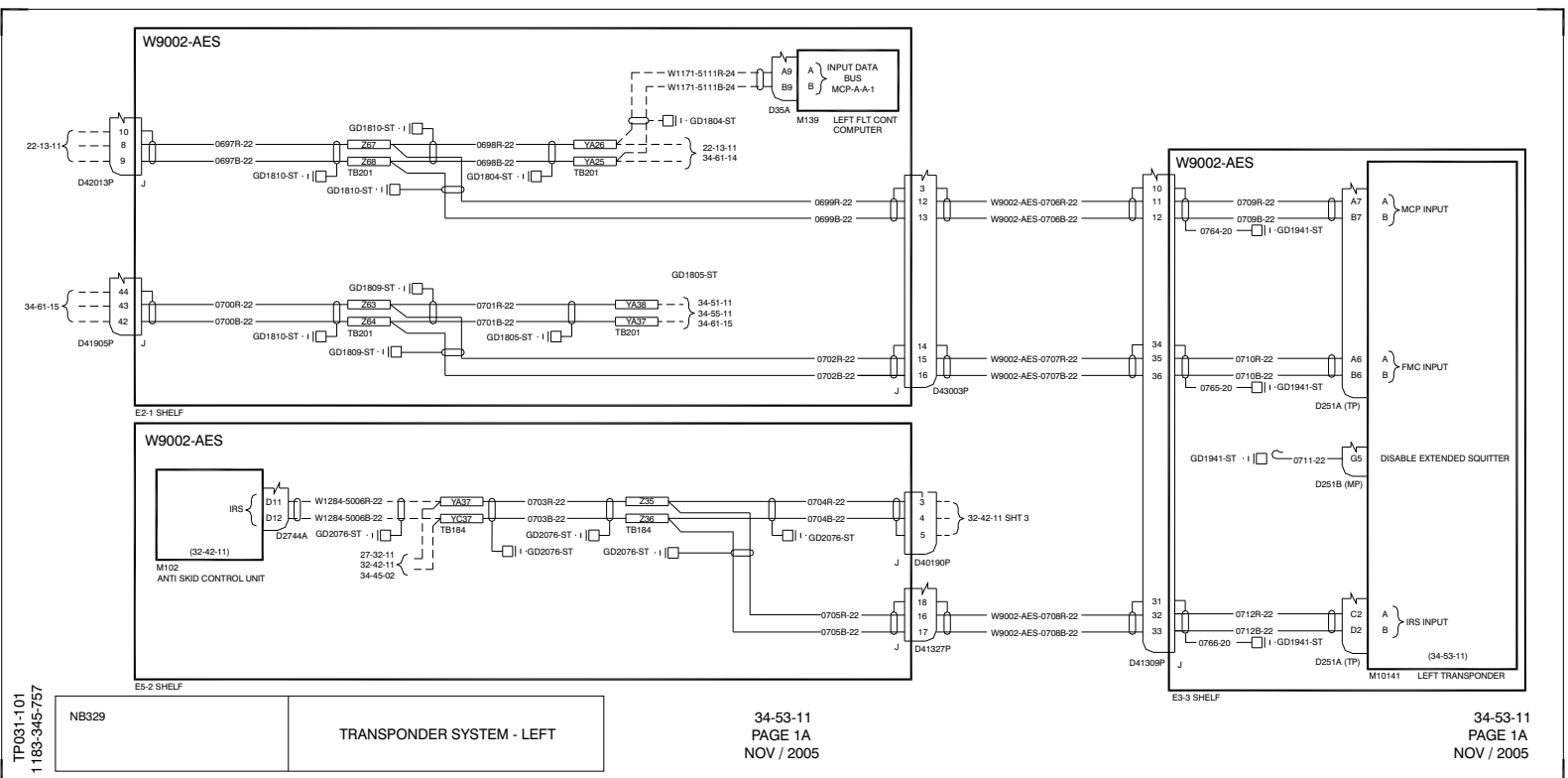
TRANSPONDER SYSTEM - LEFT

34-53-11
PAGE 1A
NOV / 2005

34-53-11
PAGE 1A
NOV / 2005

EFFECTIVITY
24017 (NA443), 24292 (NB134)

WDM SUPP 34-53-11



34-53-11
PAGE 1A
NOV / 2005

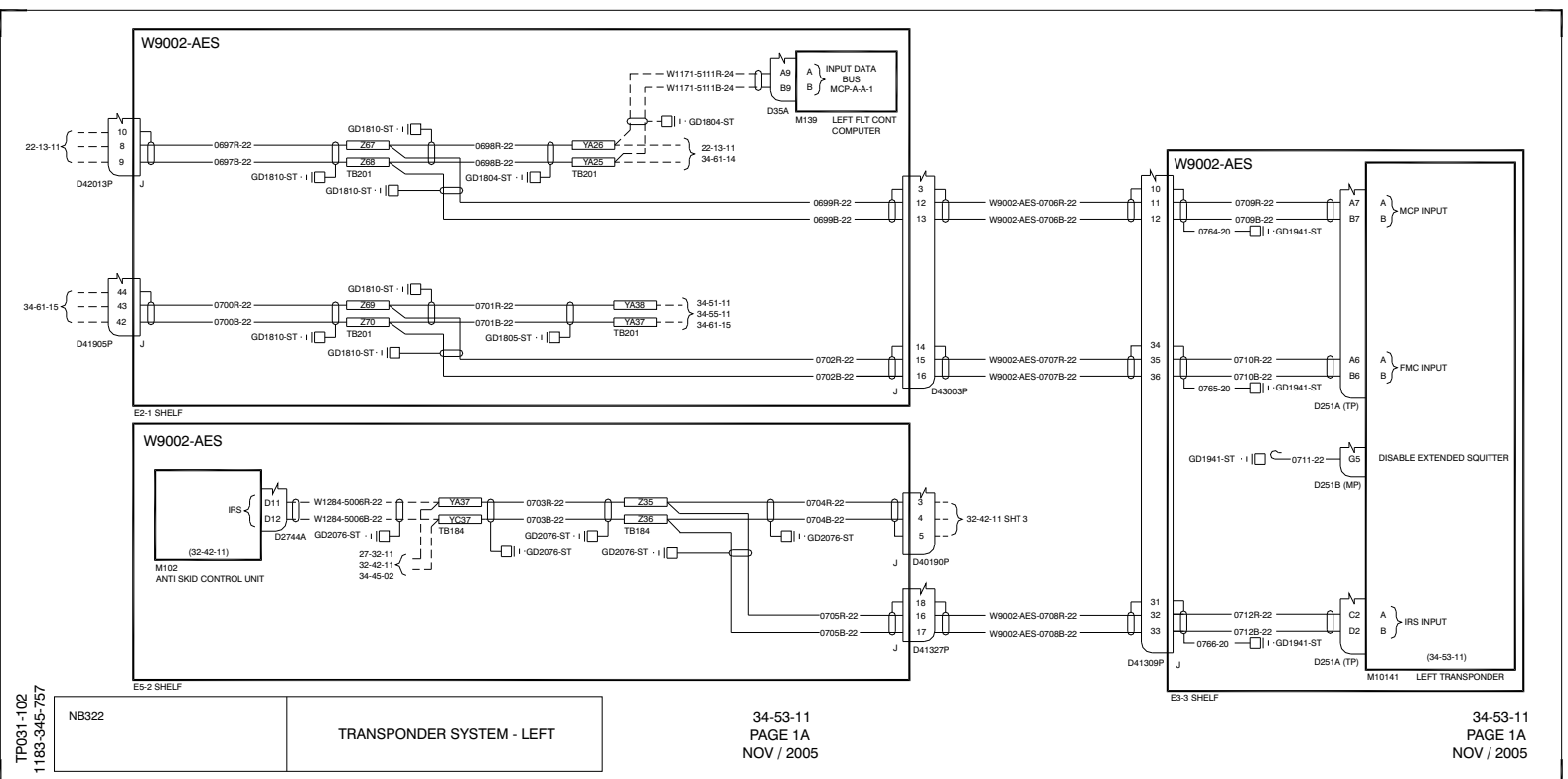
TRANSPONDER SYSTEM - LEFT

NB329

757
101-110P01L

EFFECTIVITY
26185 (NB329)

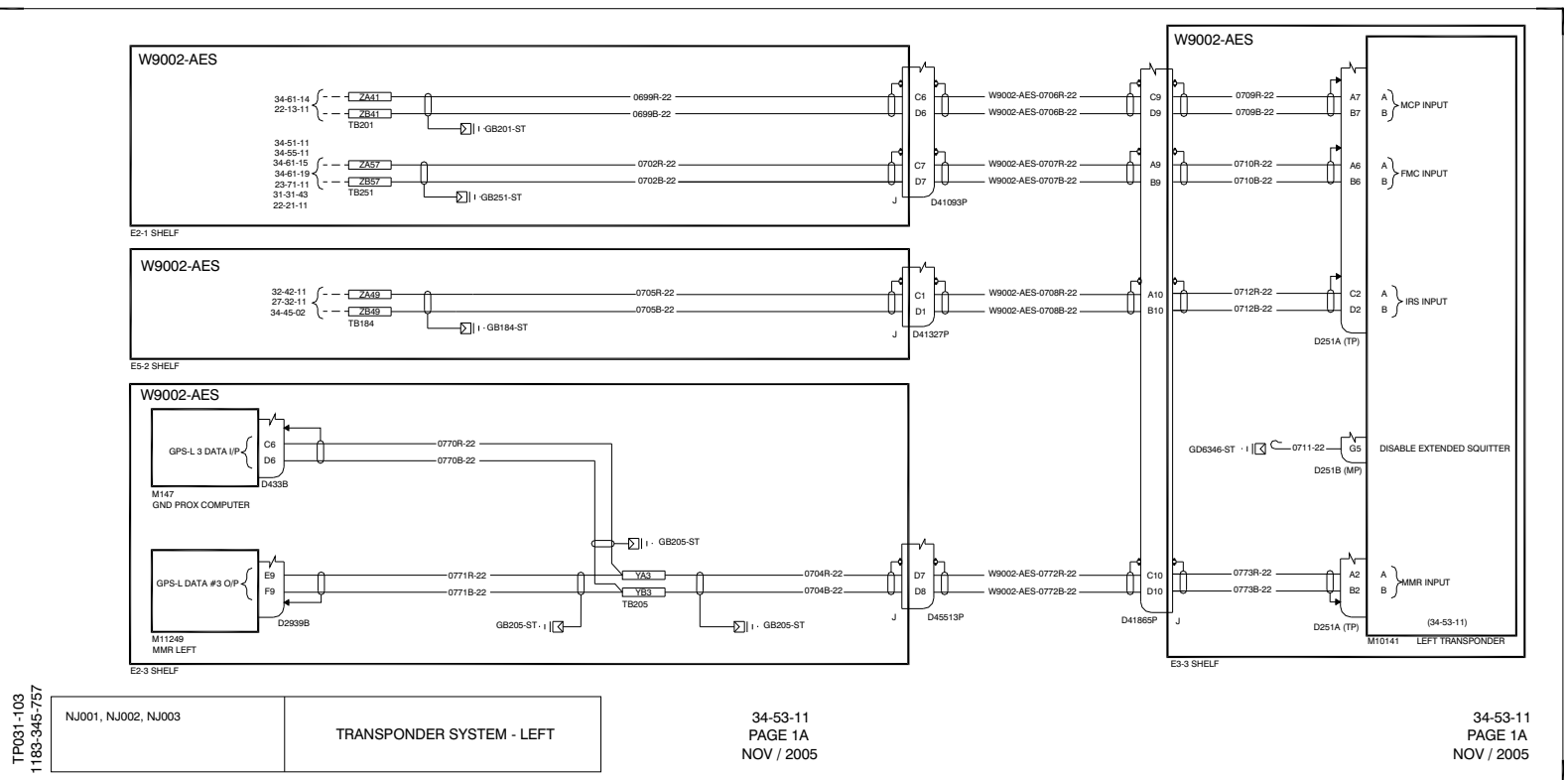
WDM SUPP 34-53-11



EFFECTIVITY

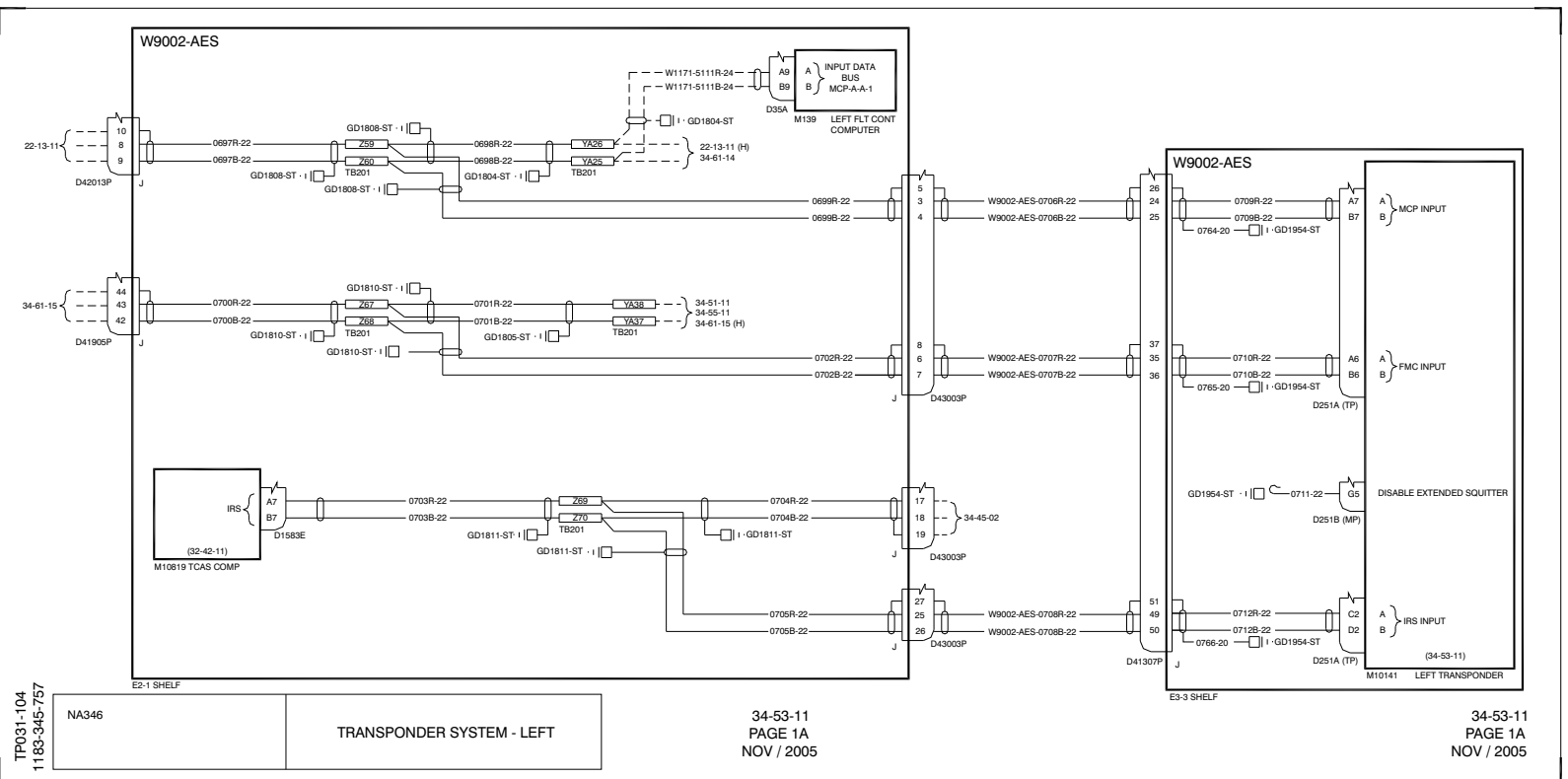
25268 (NB322)

WDM SUPP 34-53-11



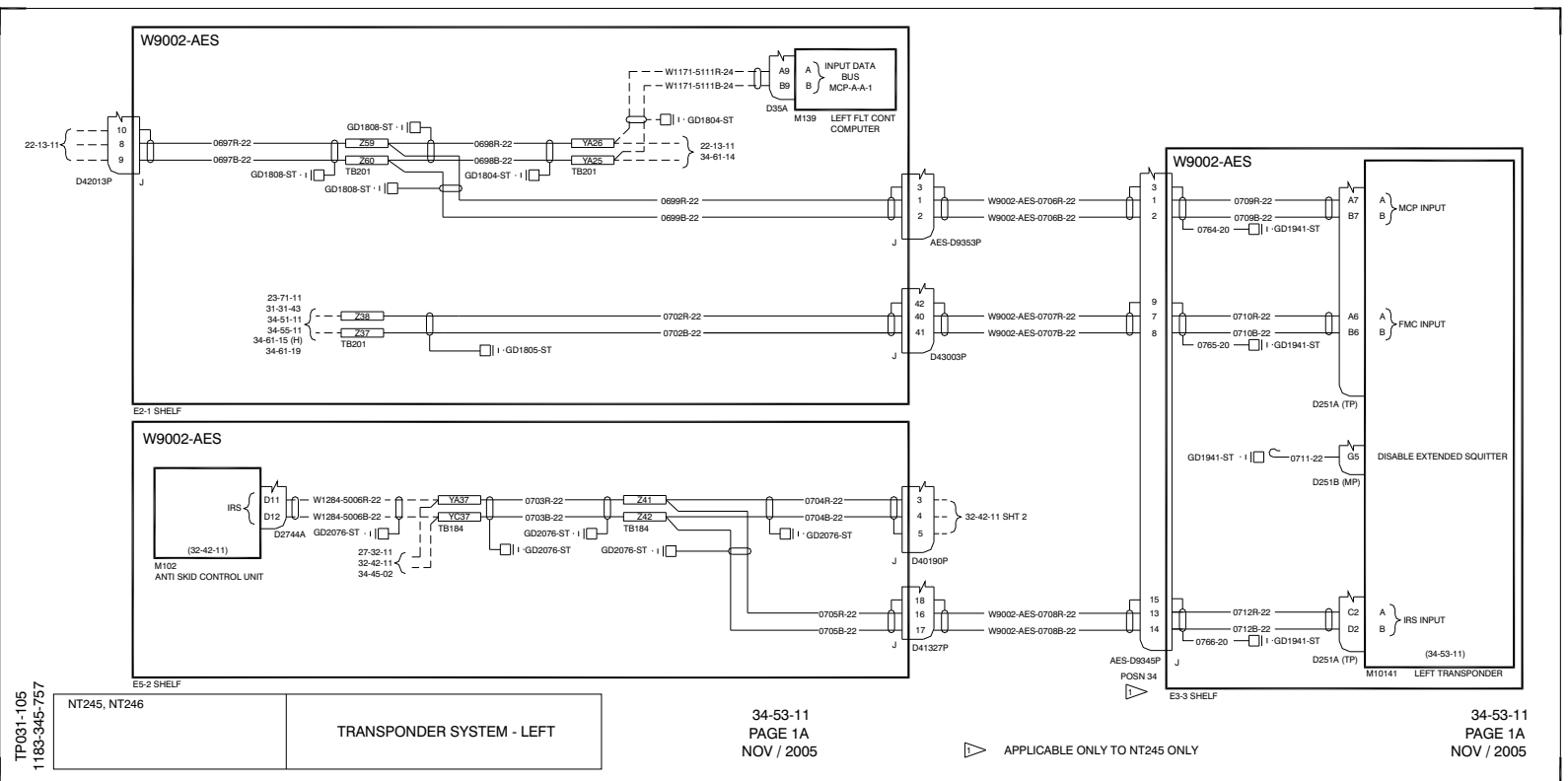
EFFECTIVITY
33098 (NJ001), 33099 (NJ002), 33100 (NJ003)

WDM SUPP 34-53-11



EFFECTIVITY
25054 (NA346)

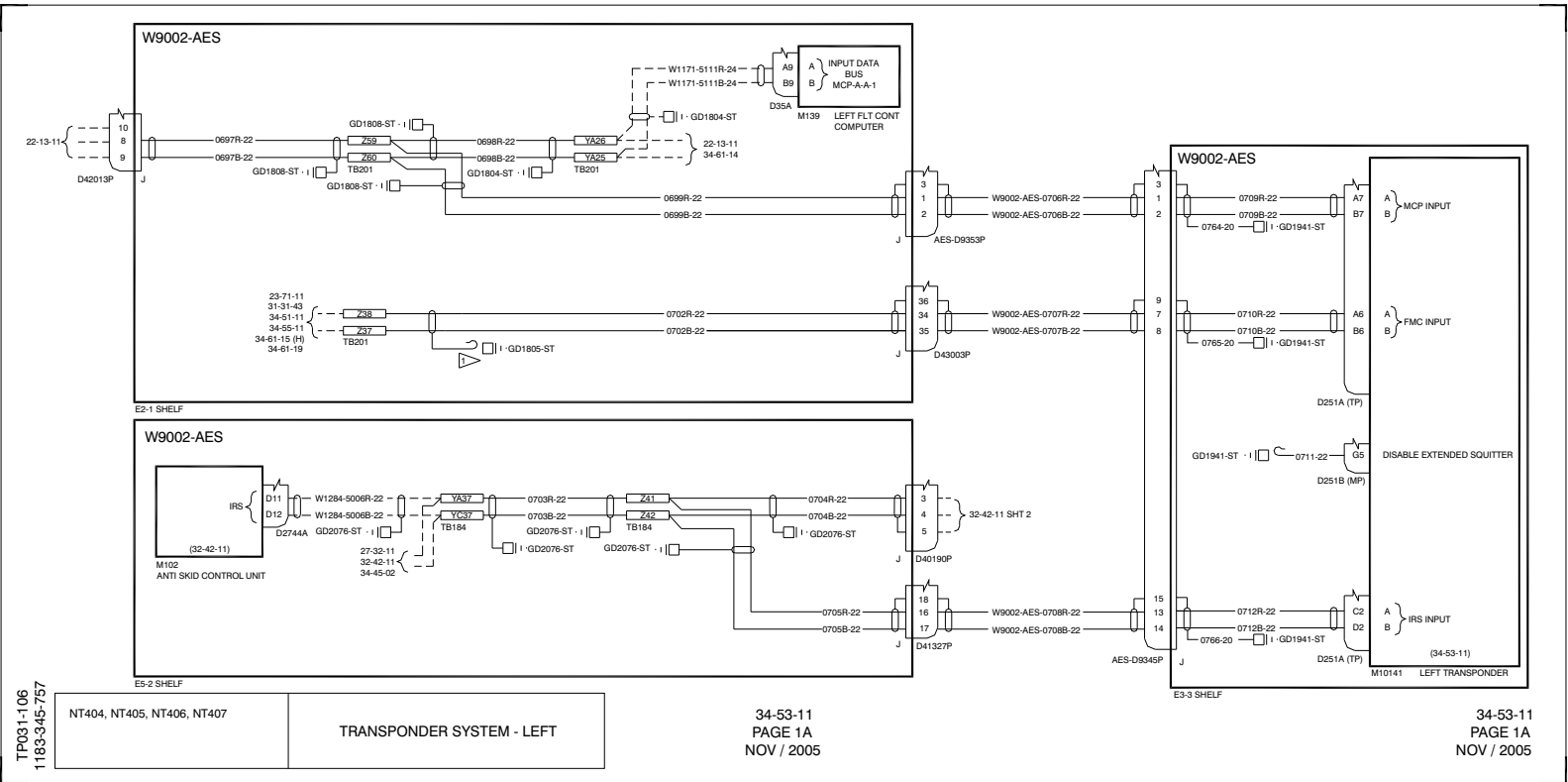
WDM SUPP 34-53-11



EFFECTIVITY_____

32446 (NT245), 32447 (NT246)

WDM SUPP 34-53-11



EFFECTIVITY

29941 (NT404), 29942 (NT405), 29943 (NT406),
29944 (NT407)

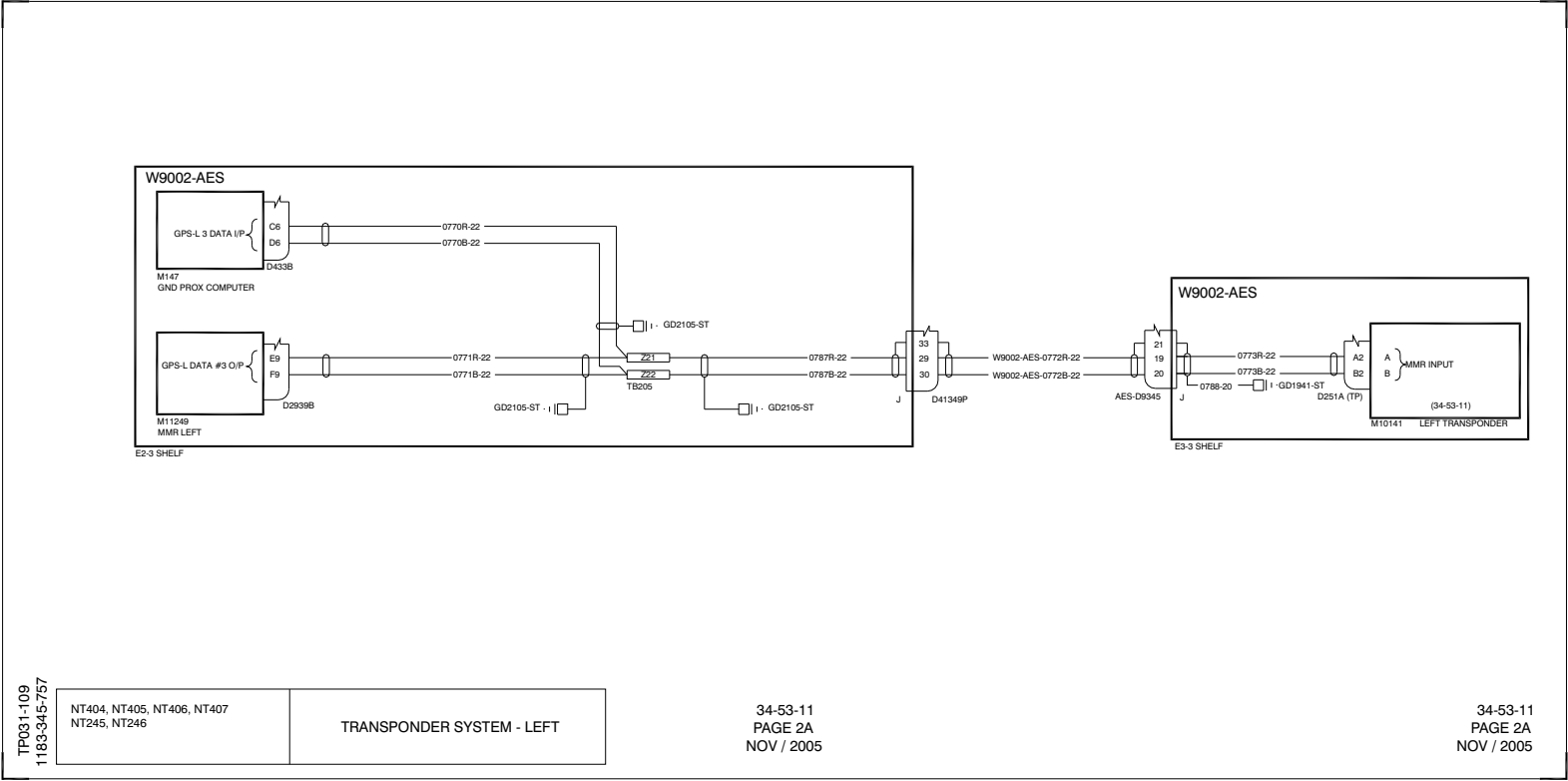
WDM SUPP 34-53-11



WDM SUPP 34-53-11



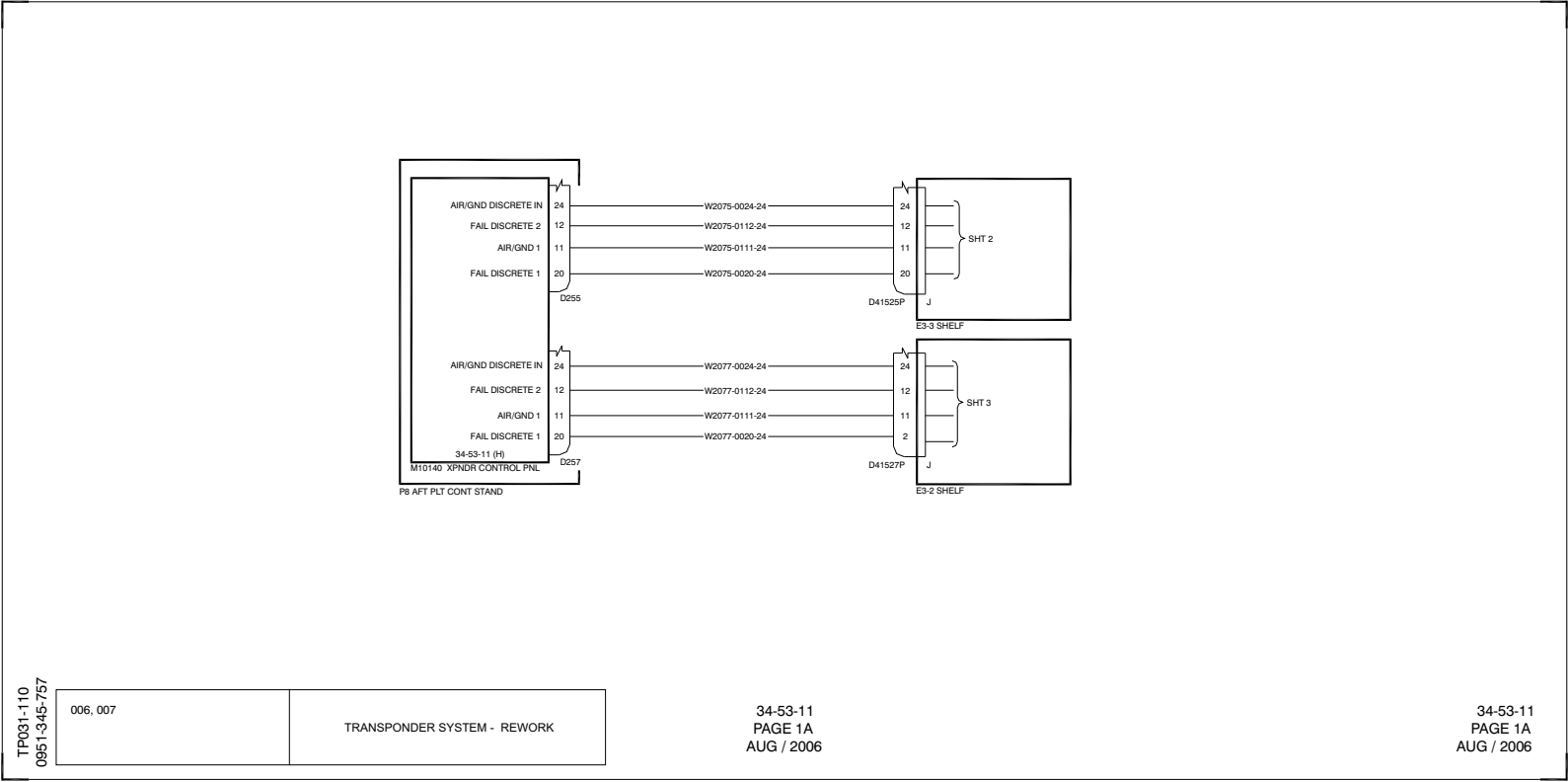
WDM SUP 34-53-11



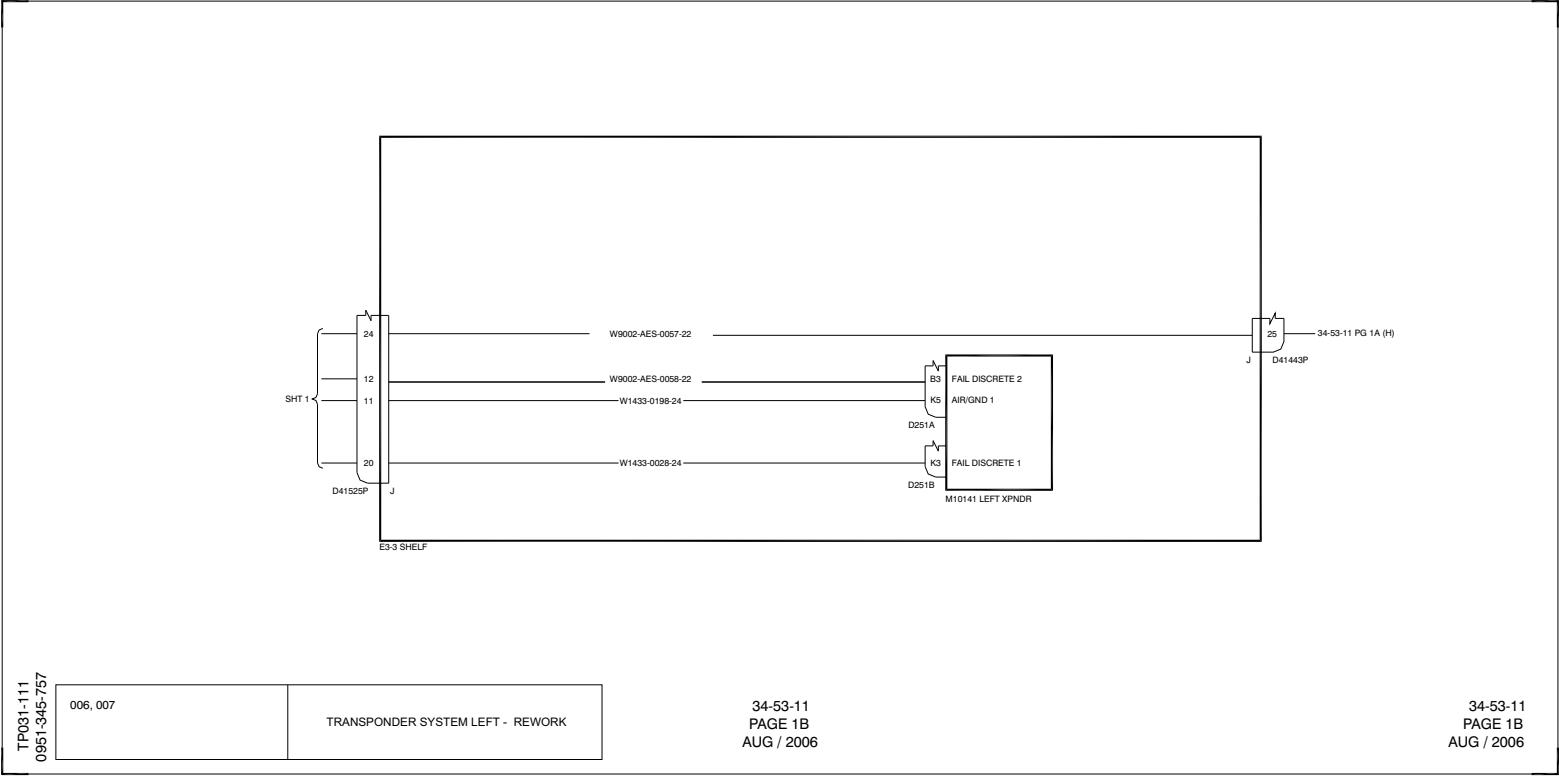
EFFECTIVITY

29941 (NT404), 29942 (NT405), 29943 (NT406),
29944 (NT407), 32446 (NT245), 32447 (NT346)

WDM SUPP 34-53-11



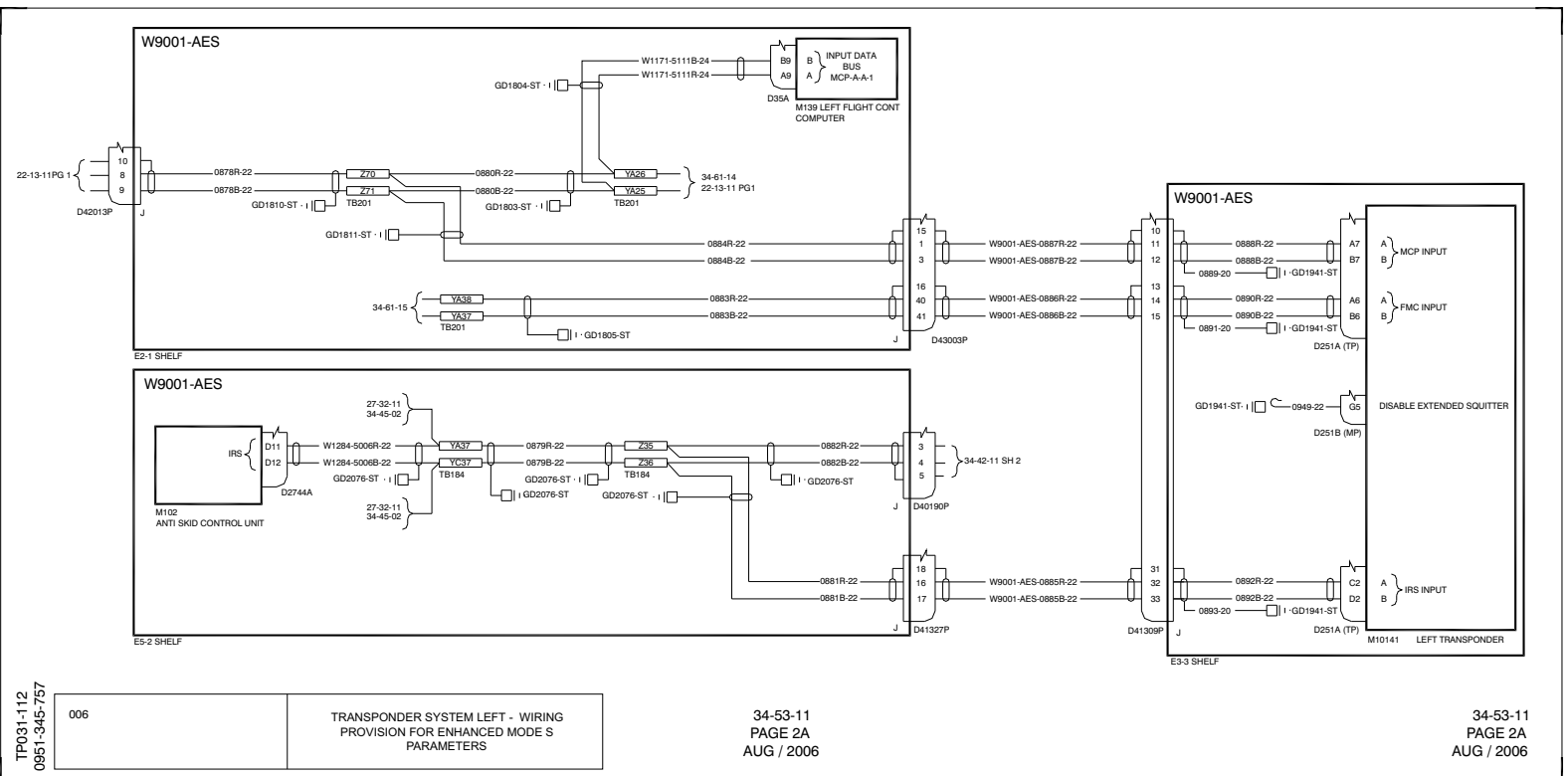
EFFECTIVITY
27146 (NB506), 27147 (NB507)



EFFECTIVITY

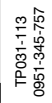
27146 (NB506), 27147 (NB507)

WDM SUPP 34-53-11



EFFECTIVITY
27146 (NB506), 27146 (NB506)

עיתות









WDM SUP 34-53-11

RIGHT TRANSPONDER SYSTEM

INTRODUCTION

1 General

A The legend used on wiring diagrams is shown in the table below.

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 # = NUMERAL

EFFECTIVITY

24017 (NA443), 24292 (NT405), 25054 (NA346), 25268 (NB322), 25593 (NA352), 26158 (NB329), 27146 (NB506), 27147 (NB507), 28203 (NT232), 29941 (NT404), 29942 (NT405), 29943 (NT406), 29944 (NT407), 32446 (NT245), 32447 (NT246), 33098 (NJ001), 33099 (NJ002), 33100 (NJ003)

WDM SUPP 34-53-21

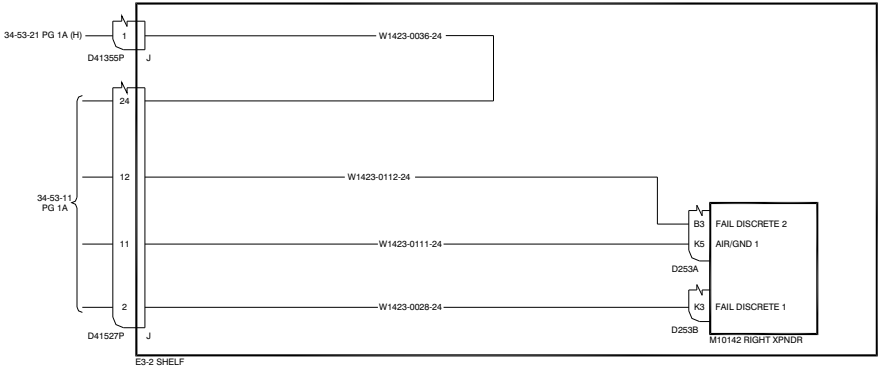
34-53-21
PAGE 1A
AUG / 2006

34-53-21
PAGE 1A
AUG / 2006

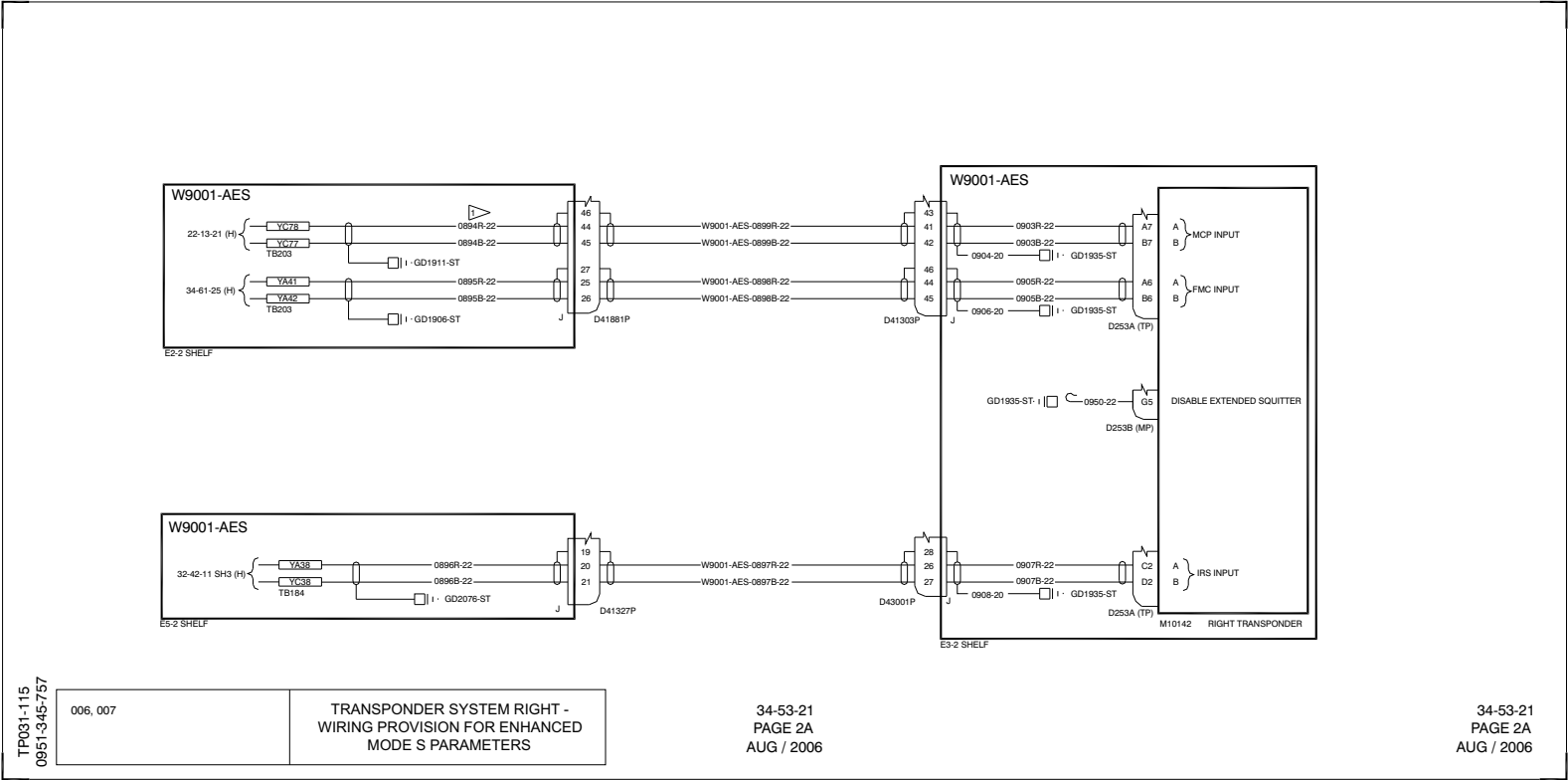
TRANSPONDER SYSTEM RIGHT - REWORK

006, 007

TP031-114
0951-345-757
LT

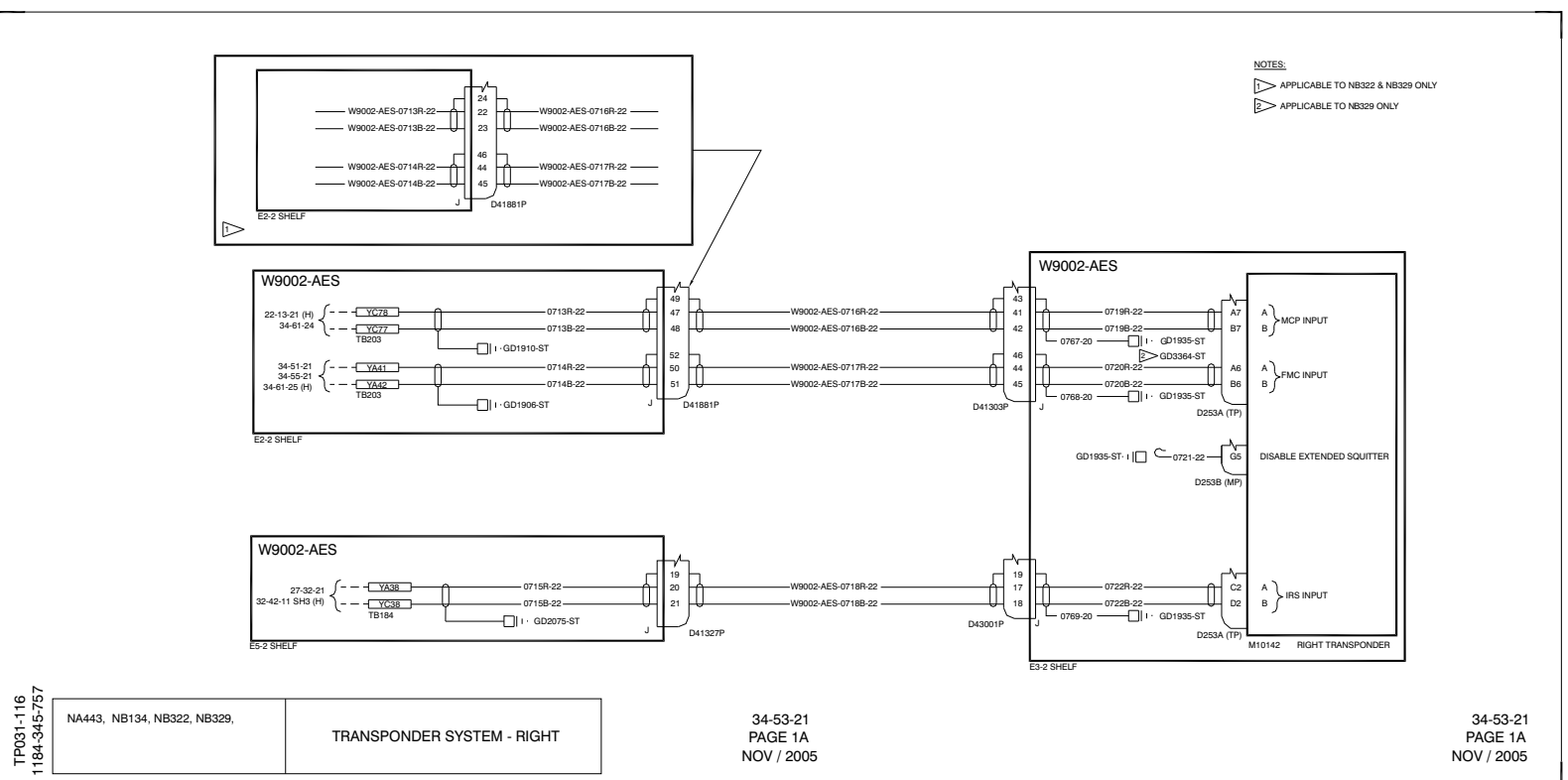


EFFECTIVITY
27146 (NB506), 27147 (NB507)



EFFECTIVITY
27146 (NB506), 27147 (NB507)

WDM SUPP 34-53-21



EFFECTIVITY

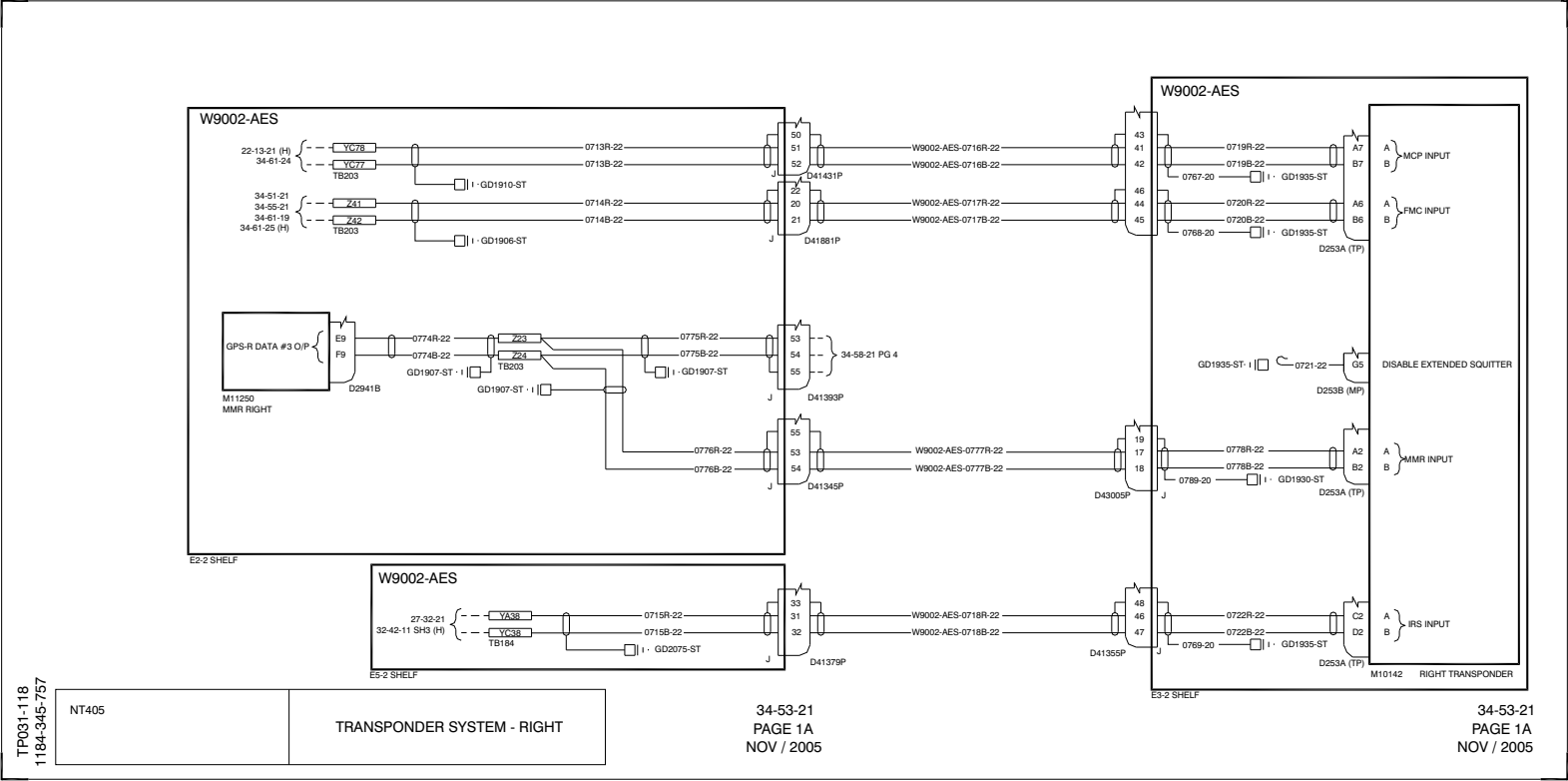
24017 (NA443), 24292 (NB134), 25268 (NB322), 26158 (NB329)

WDM SUPP 34-53-21

Page 4
Oct 04/2007



WDM SUP 34-53-21



EFFECTIVITY
29942 (NT405)

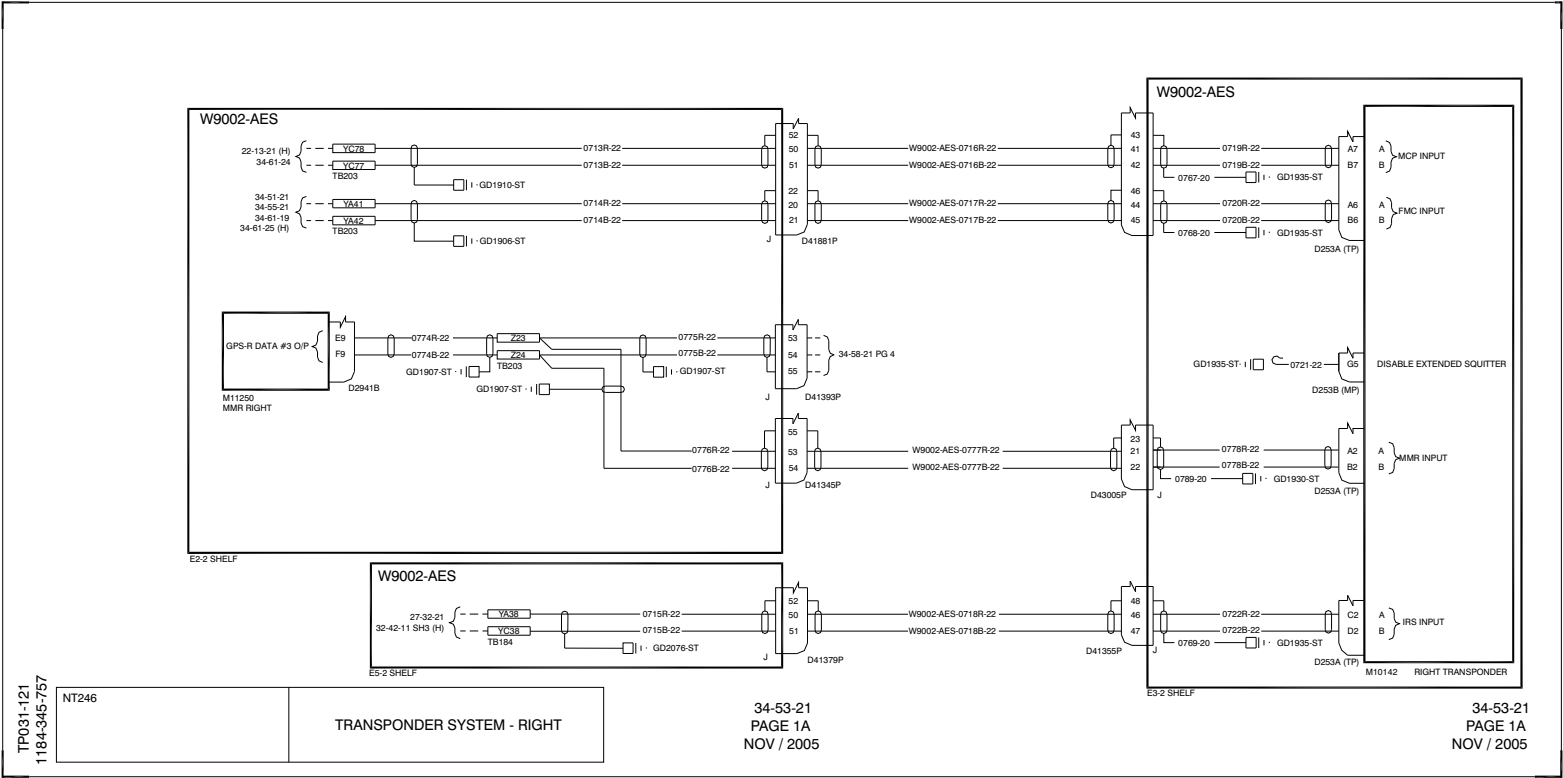
WDM SUPP 34-53-21



WDM SUP 34-53-21



WDM SUP 34-53-21

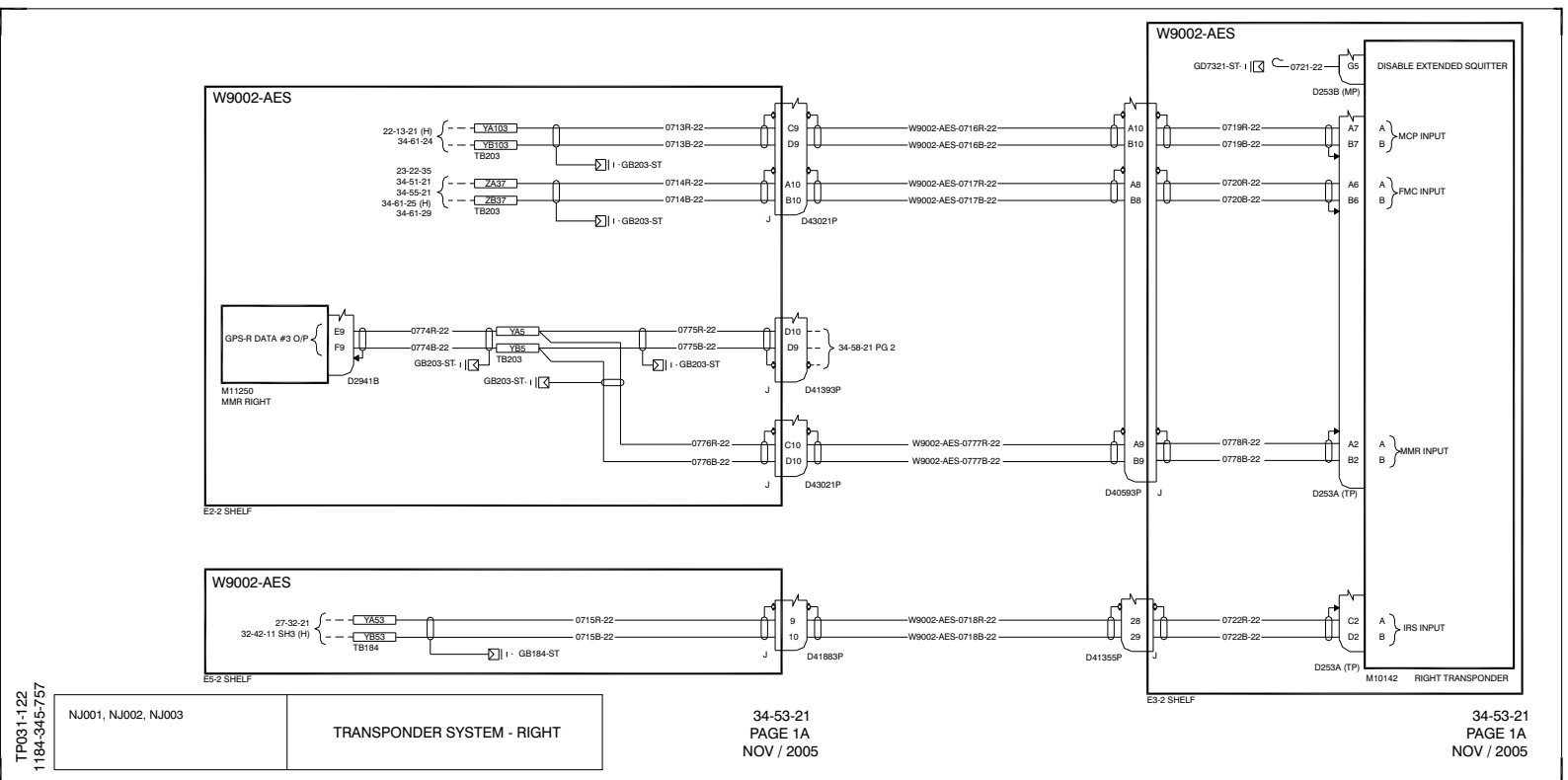


EFFECTIVITY
32447 (NT426)

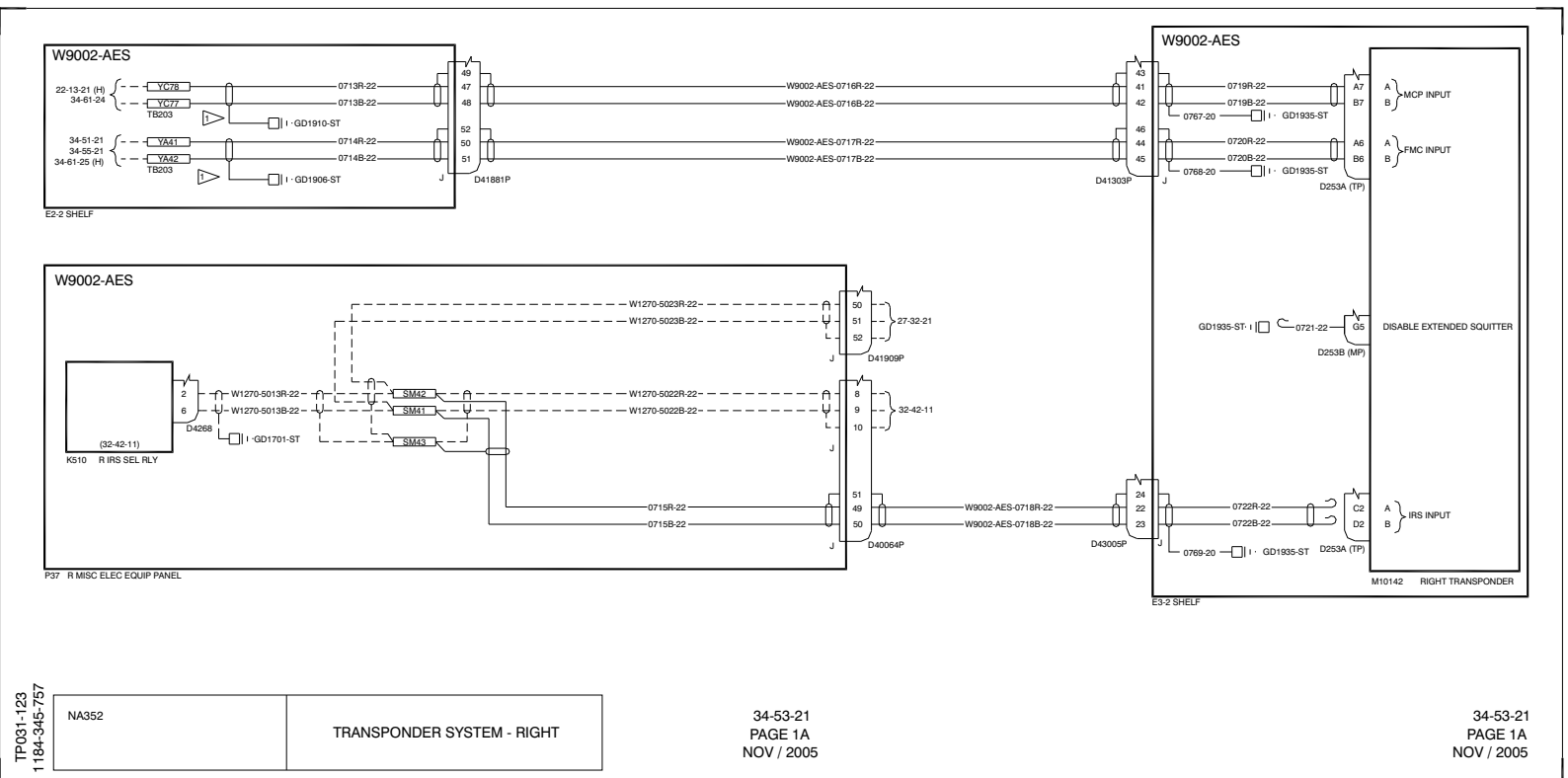
WDM SUPP 34-53-21

WIRING DIAGRAM MANUAL
Technical Publications Supplement

INTRODUCTION OF AN ENHANCED MODE S TRANSPONDER

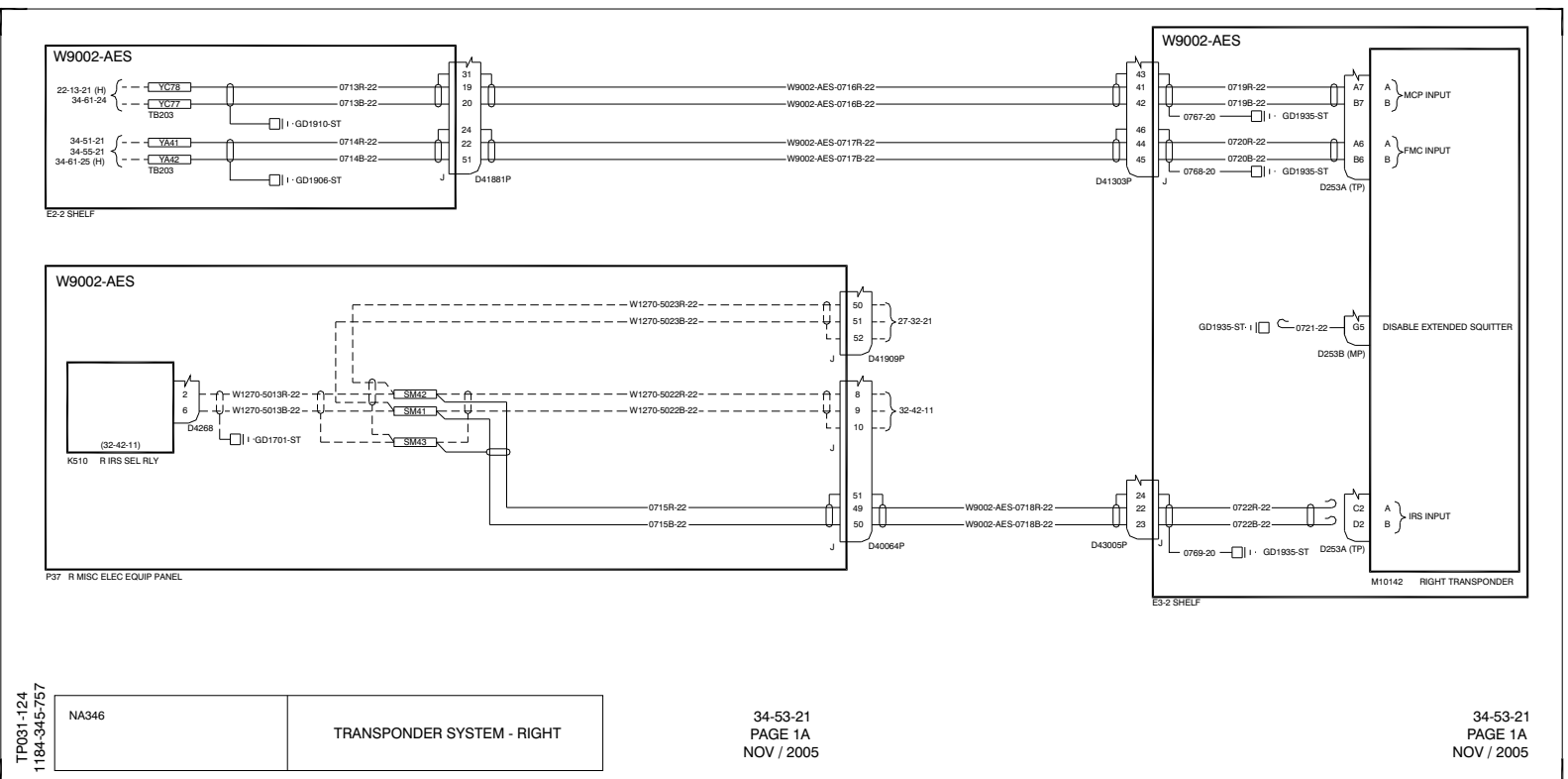


WDM SUPP 34-53-21



EFFECTIVITY
25593 (NA352)

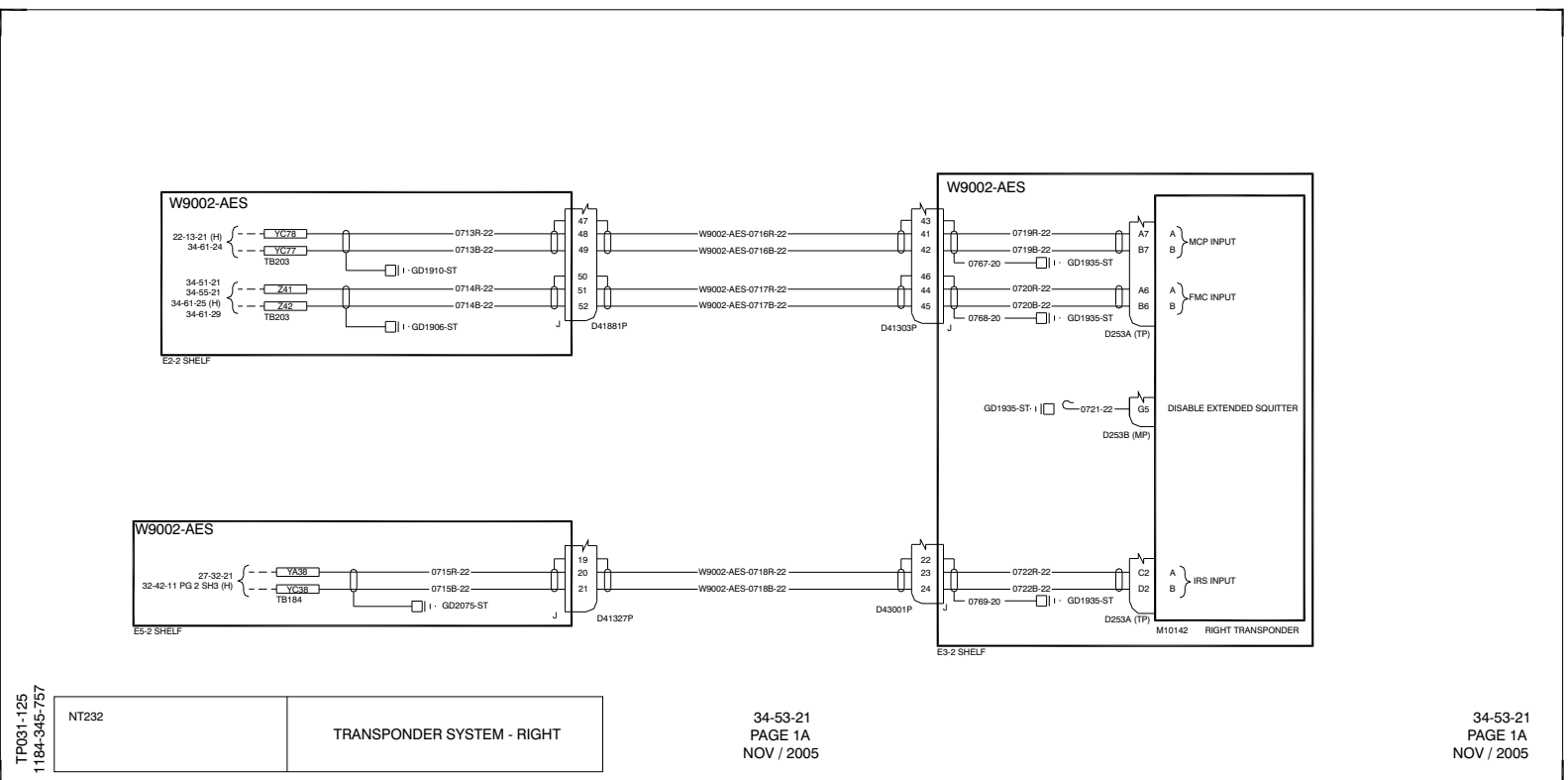
WDM SUPP 34-53-21



EFFECTIVITY

25054 (NT346)

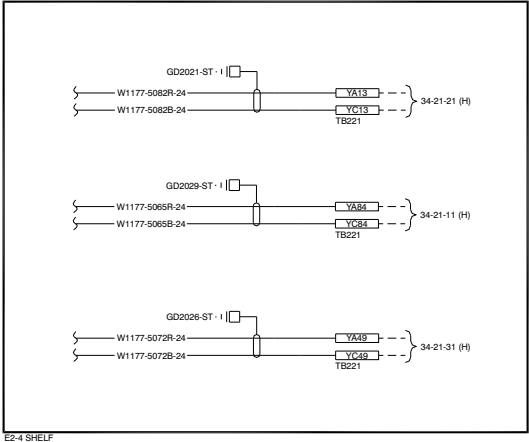
WDM SUP 34-53-21



EFFECTIVITY

28203 (NT232)

WDM SUPP 34-53-21



E2-4 SHELF

NT404, NT405, NT406, NT407
NT245, NT246

IRU BUS OUTPUT CHANGE

34-53-21
PAGE 1B
NOV / 2005

34-53-21
PAGE 1A
NOV / 2005

TP031-126
1184-346-757
11

EFFECTIVITY

29441 (NT404), 29942 (NT405), 29943 (NT406),
29944 (NT407), 32446 (NT245), 32447 (NT246)

WDM SUPP 34-53-21

AES LIMITED SUPPLEMENT

TO BOEING B757

AIRCRAFT TECHNICAL PUBLICATIONS

AES LTD DOCUMENT No. AES-TP-0003

SCOPE: OPERATOR EMBODIED MODIFICATIONS EFFECTING
MAINTENANCE MANUAL, WIRING DIAGRAM MANUAL &
ILLUSTRATED PARTS CATALOGUE

APPLICABILITY: B757 AIRCRAFT OPERATED BY FIRST CHOICE AIRLINES Ltd

<u>A/C REG</u>	<u>MANU FACT'S SERIAL No.</u>	<u>CUSTOMER FLEET EFFECTIVITY No.</u>
G-CPEP	25268	002
G-OOOY	28203	010
G-OOOK	25054	115

COPY No.: "MASTER"

HELD BY: AES LTD

COPY

HELD BY

"MASTER"

AES LTD

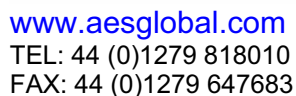
1

FIRST CHOICE AIRLINES

REFER TO TRANSMITTAL SHEET FOR APPROVAL SIGNATORIES

DRN:0642

PROJECT No: 0107



BOEING B757

TITLE/ATA CHAPTER	PAGE No.	REV No./ DATE	TITLE/ATA CHAPTER	PAGE No.	REV No./ DATE
TITLE PAGE	TITLE	INIT ISSUE / 01.07.04			
EFFECTIVE PAGES	LOEP PG 1 OF 1	INIT ISSUE / 01.07.04			
RECORD OF REVISIONS	ROR PG 1 OF 1	INIT ISSUE / 01.07.04			
TABLE OF CONTENTS	TOC PG 1 OF 1	INIT ISSUE / 01.07.04			
INTRODUCTION	INTRO PG 1 OF 1	INIT ISSUE / 01.07.04			

DOC No. AES-TP-0003
LOEP PAGE 1 OF 1



www.aesglobal.com

TEL: 44 (0)1279 818010

FAX: 44 (0)1279 647683

Unit 28, Golds Nurseries
Business Park
Elsenham
Essex
CM22 6JX

BOEING B757

RECORD OF REVISIONS

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

REV: INIT ISSUE

DATE: JULY 2004

DOC No. AES-TP-0003

ROR PAGE 1 OF 1

PUBLICATION REVISION

**AES Limited Supplement
To
BOEING B757
Aircraft Technical Publications**

DOCUMENT No. AES-TP-0003

TRANSMITTAL SHEET

THE TECHNICAL CONTENT OF THIS DOCUMENT IS APPROVED UNDER THE AUTHORITY
OF CAA, DOA No CAA.JA.02304.

REVISION	1	2	3
DRN No.	0642		
COMPILED	M IRVINE		
APPROVAL DATE	MAE / 07.07.04		
CVE / APP STRUCTURES	MAE / 07.07.04		
CVE / APP DESIGN	AMD / 05.07.04		
CVE / APP SYSTEMS	ALH / 05.07.04		

Effectivity: See Title Page for full list of effectivities.

Reason for Issue: To introduce the AES Limited Supplement and content for Modification AES-757-165 Part A.

Procedure: Record the incorporation on the Record of Revisions sheet located behind the Revision Marker Card at the front of the Manual.
File this Transmittal Sheet in numerical order, following the Record of Revisions sheet.

[Note: Refer to file copy for original signatures]

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
TRANSMITTAL PAGE 1 OF 1

TABLE OF CONTENTS

TITLE	SECTION No.	PAGE
MAINTENANCE MANUAL	SECTION 1	1-1-1
WIRING DIAGRAM MANUAL	SECTION 2	2-1-1
ILLUSTRATED PARTS CATALOGUE	SECTION 3	3-1-1
FAULT ISOLATION/MAINT MANUAL SUPPLEMENT	SECTION 4	4-1-1

INTRODUCTION - GENERAL

Modification AES-757-165 replaces the existing GPWS with an Enhanced GPWS and installs additional aircraft system interfaces and hardware to provide the following additional modes for compliance with the requirements of JAR-OPS 1.665.

Technical publications affected and required with this supplement:

Aircraft Maintenance Manual
Aircraft Wiring Diagram Manual
Aircraft Illustrated Parts Catalogue
Aircraft Fault Isolation Manual

Manuals not listed e.g. SRM are not affected.



www.aesglobal.com

TEL: 44 (0)1279 818010

FAX: 44 (0)1279 647683

Unit 28, Golds Nurseries
Business Park
Elsenham
Essex
CM22 6JX

BOEING B757

SECTION 2 - WIRING DIAGRAM MANUAL SUPPLEMENT

INTRODUCTION

This wiring diagram manual section supplements the aircraft manufacture's document.

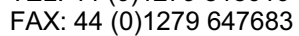
For aircraft applicability, and Effectivity codes, refer to the title page at the front of this manual.

REV: INIT ISSUE

DATE: JULY 2004

DOC No. AES-TP-0003

PAGE 2-1-1



BOEING B757

[illegible]

AES FORM No. 037 – Issue 2

TABLE OF CONTENTS - SECTION 2

TITLE	ATA CHAPTER	PAGE.	EFFECTIVITY
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-11	1	002
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-43-11	1A	010
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-43-11	1B	002
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-13	1	002, 010, 115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-14	1	002, 010, 115,
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-14	2	002, 010
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-15	1	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-15	2	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-15	3	002, 010
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-15	3A	002, 010
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-15	4	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-16	1	002, 115

REV: INIT ISSUE

DATE: JULY 2004

DOC No. AES-TP-0003

PAGE 2-3-1

TABLE OF CONTENTS - SECTION 2

TITLE	ATA CHAPTER	PAGE.	EFFECTIVITY
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-16	2	010
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-16	3	002, 010
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-16	3A	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-16	4	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-17	1	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-18	1	002
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-18	2	010
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-19	1	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-19	1A	010
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-19	2	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-19	2A	115

REV: INIT ISSUE

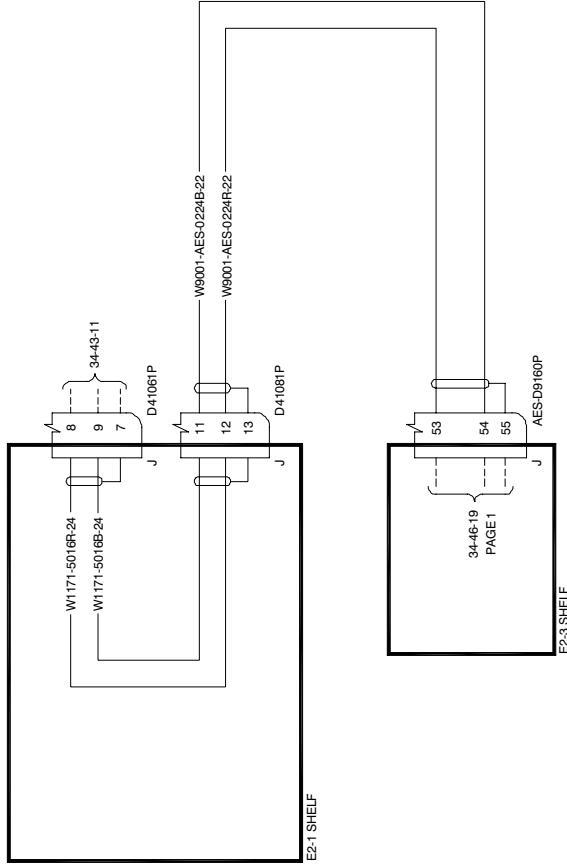
DATE: JULY 2004

DOC No. AES-TP-0003

PAGE 2-3-1

TABLE OF CONTENTS - SECTION 2

TITLE	ATA CHAPTER	PAGE.	EFFECTIVITY
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-19	2B	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-19	2C	010
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-19	3	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-19	3A	115
ENHANCED GROUND PROXIMITY WARNING SYSTEM	34-46-20	1	002, 010, 115



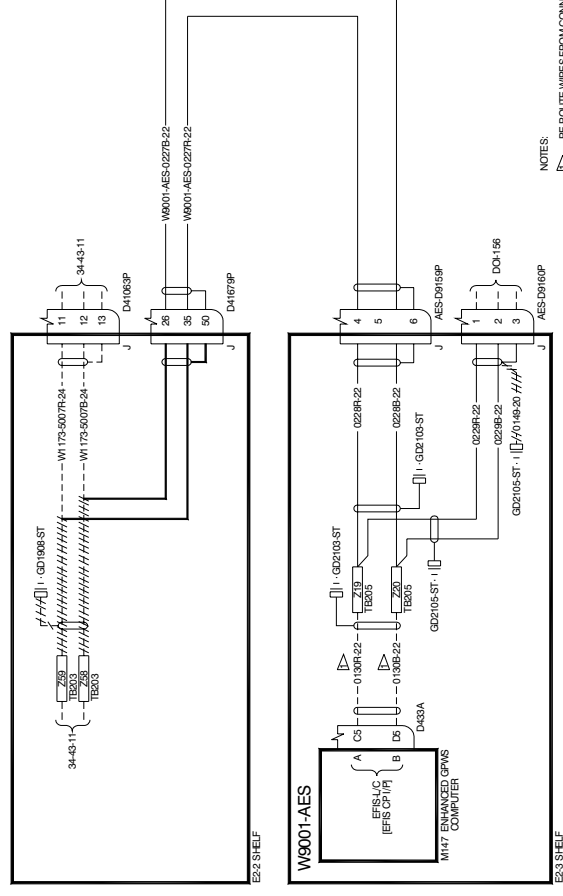
G-000K	ENHANCED GROUND PROXIMITY WARNING SYSTEM
--------	---

34-46-11
PAGE 1
DEC / 2003

34-46-11
PAGE 1
DEC / 2003



BOEING B757



NOTES:

RE-ROUTE WIRES FROM CONNECTOR AES-D9160P PIN 1, 2, 3 TO NEW MODULE BLOCK AS SHOWN

G-000Y

EGPWS - WEATHER RADAR CONTROL BUS INTERFACE

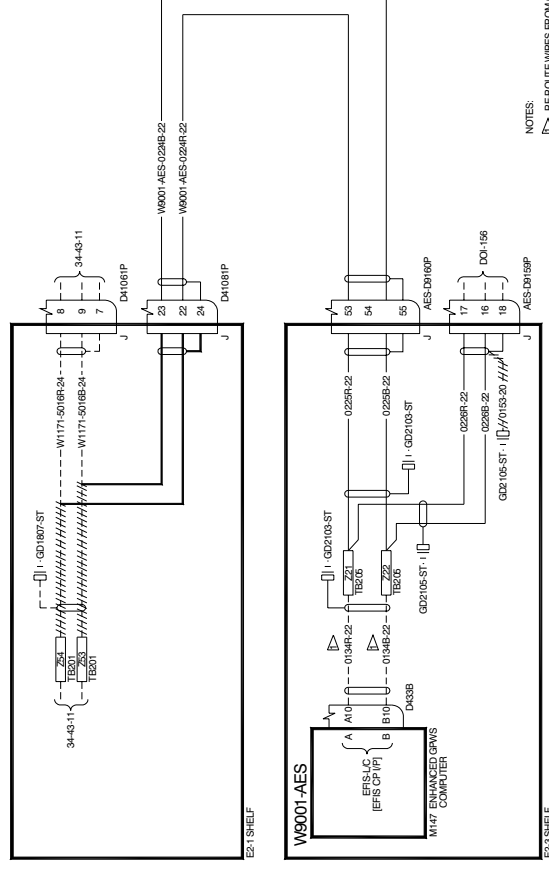
34-43-11
PAGE 1A
DEC / 2003

34-43-11
PAGE 1A
DEC / 2003

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-11 PAGE 1A

BOEING B757



RE-ROUTE WIRES FROM CONNECTOR AES-D9159P PIN 16, 17, 18 TO NEW MODULE BLOCK AS SHOWN

34-43-11
PAGE 1B
DEC / 2003



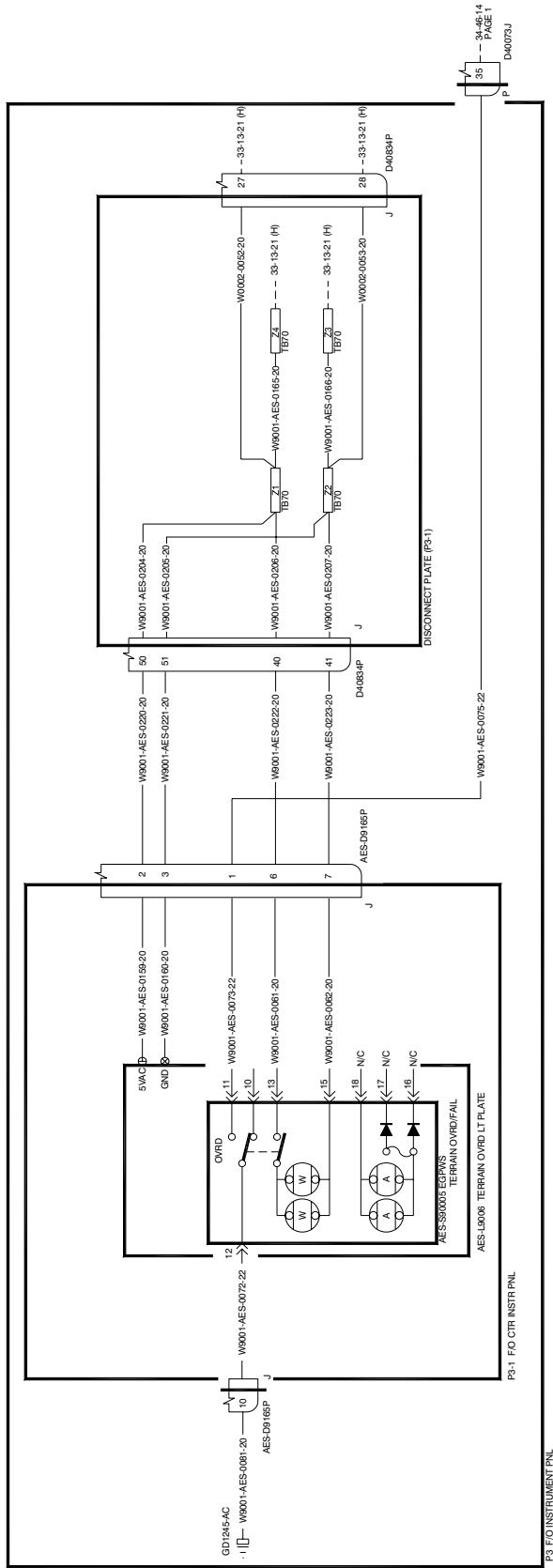
www.aesglobal.com

TEL: 44 (0)1279 818010

FAX: 44 (0)1279 647683

Unit 28, Golds Nurseries
Business Park
Elsenham
Essex
CM22 6JX

BOEING B757



G-CREP G-000Y
G-000K

ENHANCED GROUND PROXIMITY
WARNING SYSTEM

34-46-13
PAGE 1
DEC / 2003

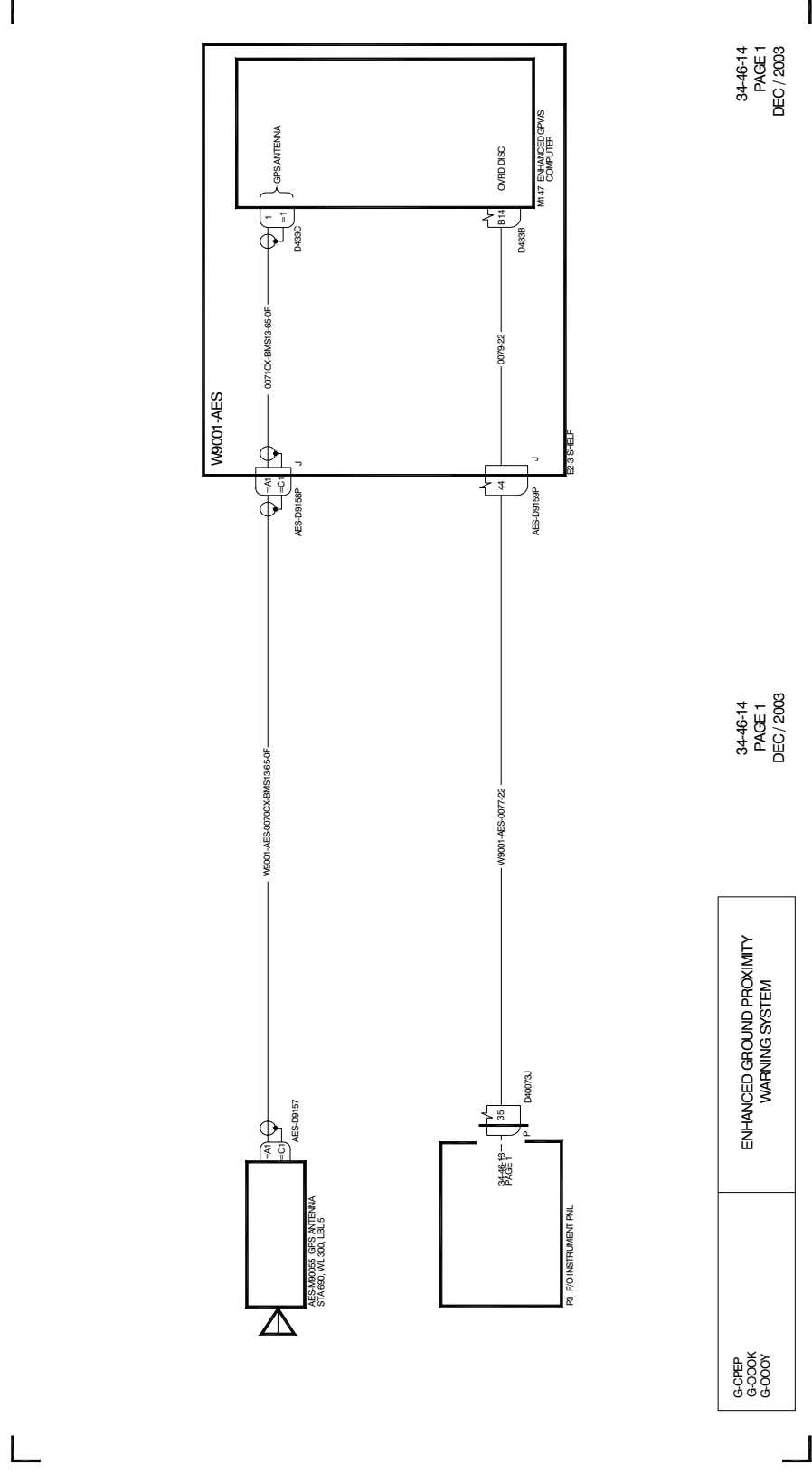
34-46-13
PAGE 1
DEC / 2003

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-13 PAGE 1

AES FORM No. 037 – Issue 2

BOEING B757

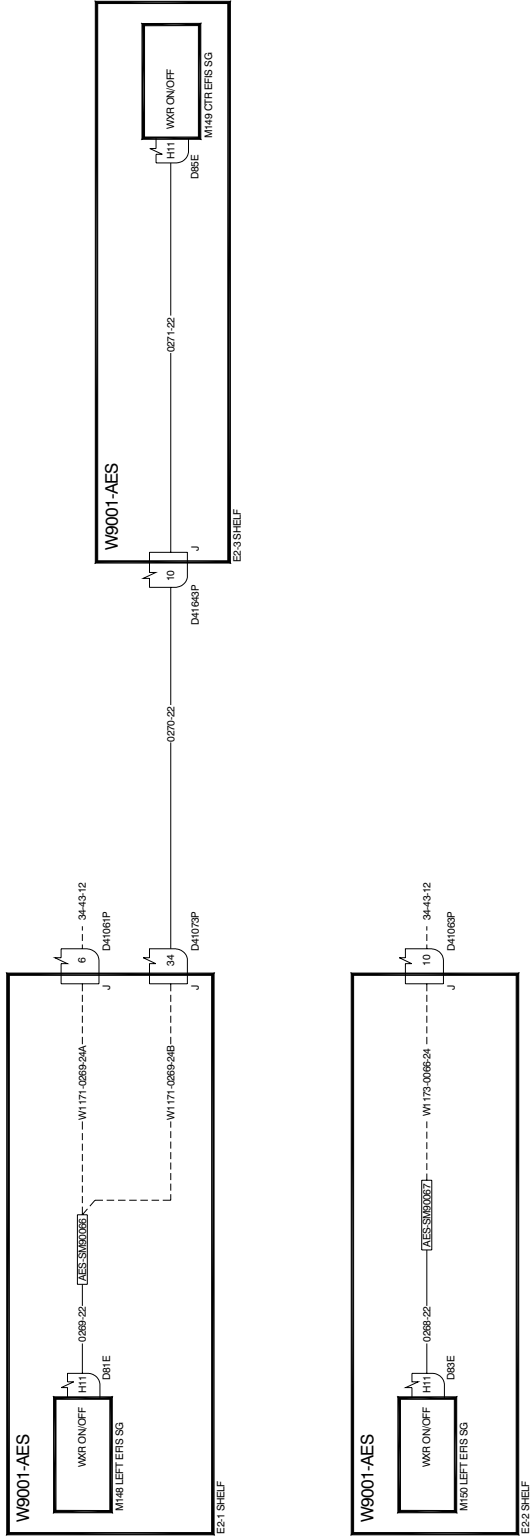




www.aesglobal.com
TEL: 44 (0)1279 818010
FAX: 44 (0)1279 647683

Unit 28, Golds Nurseries
Business Park
Elsenham
Essex
CM22 6JX

BOEING B757



G-OPEP, G-000Y	EGPWS - WXR CONTROL WIRING
----------------	----------------------------

34-46-14
PAGE 2
NOV / 2003

34-46-14
PAGE 2
NOV / 2003



REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-14 PAGE 2

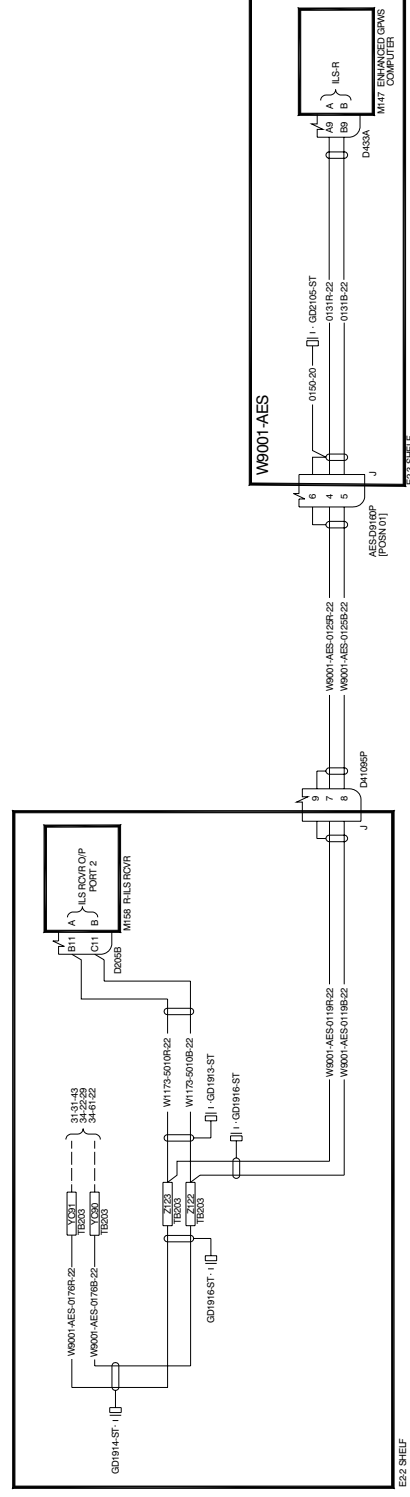
www.aesglobal.com

TEL: 44 (0)1279 818010

FAX: 44 (0)1279 647683

Unit 28, Golds Nurseries
Business Park
Elsenham
Essex
CM22 6JX

BOEING B757



G-000K

ENHANCED GROUND PROXIMITY WARNING SYSTEM

34-46-15
PAGE 1
DEC / 2003

34-46-15
PAGE 1
DEC / 2003

REV: INIT ISSUE
DATE: JULY 2004

AES FORM No. 037 – Issue 2

DOC No. AES-TP-0003
34-46-15 PAGE 1



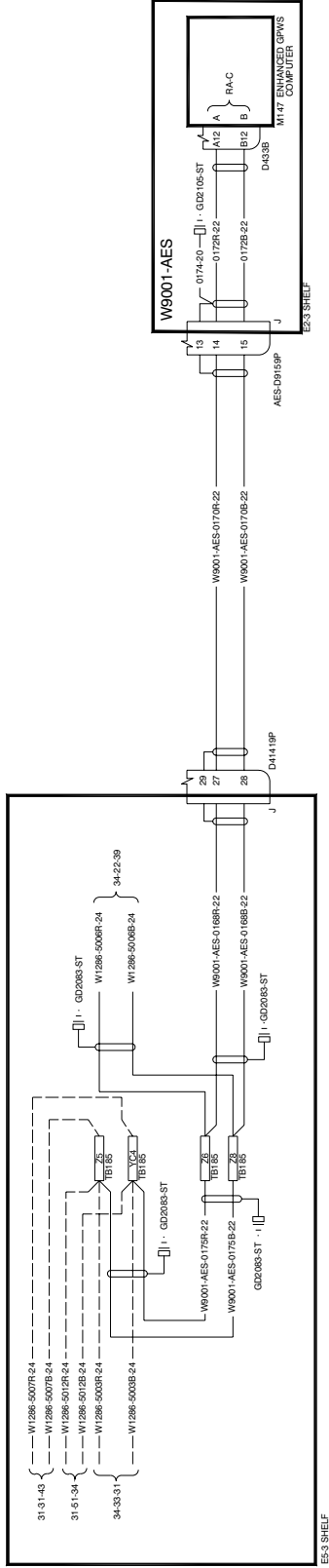
www.aesglobal.com

TEL: 44 (0)1279 818010

FAX: 44 (0)1279 647683

Unit 28, Golds Nurseries
Business Park
Elsenham
Essex
CM22 6JX

BOEING B757



34-46-15
PAGE 2
DEC / 2003

34-46-15
PAGE 2
DEC / 2003

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-15 PAGE 2

AES FORM No. 037 – Issue 2



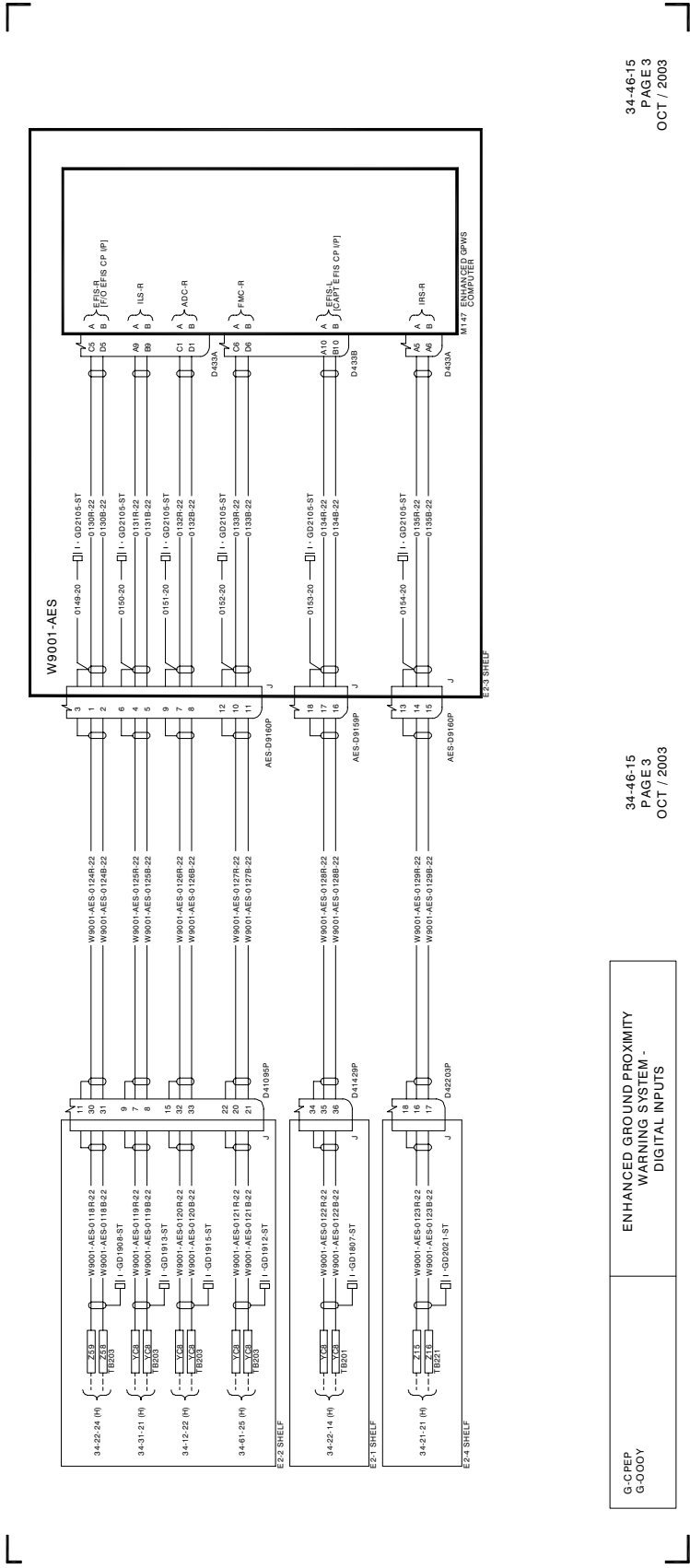
www.aesglobal.com

TEL: 44 (0)1279 818010

FAX: 44 (0)1279 647683

Unit 28, Golds Nurseries
Business Park
Elsenham
Essex
CM22 6JX

BOEING B757



34-46-15
PAGE 3
OCT / 2003

34-46-15
PAGE 3
OCT / 2003

ENHANCED GROUND PROXIMITY
WARNING SYSTEM -
DIGITAL INPUTS

G-CREP
GOODY

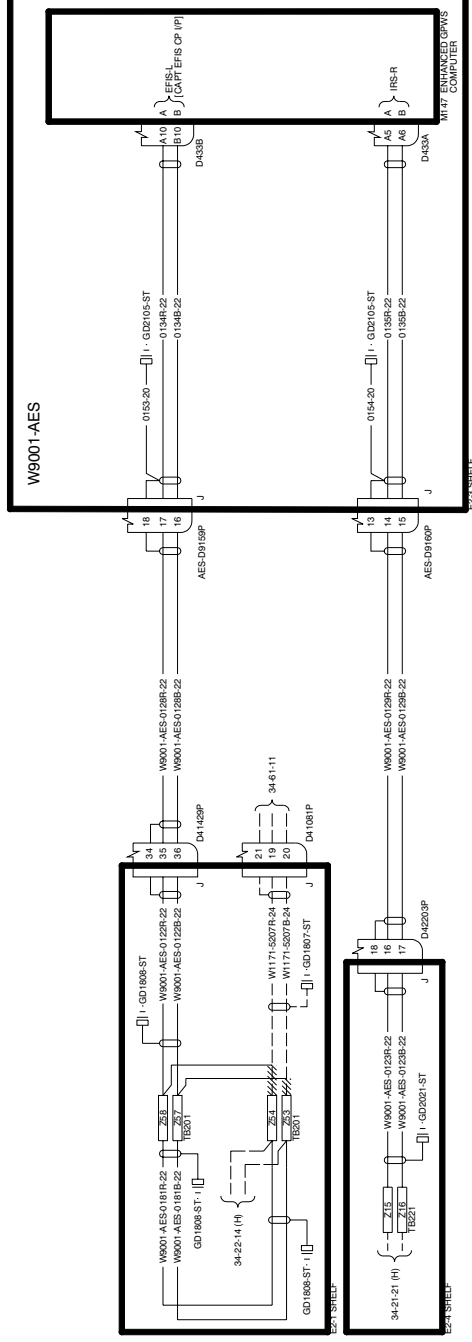
REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-15 PAGE 3

AES FORM No. 037 – Issue 2

┌

└



34-46-15
PAGE 3A
OCT / 2003

34-46-15
PAGE 3A
OCT / 2003

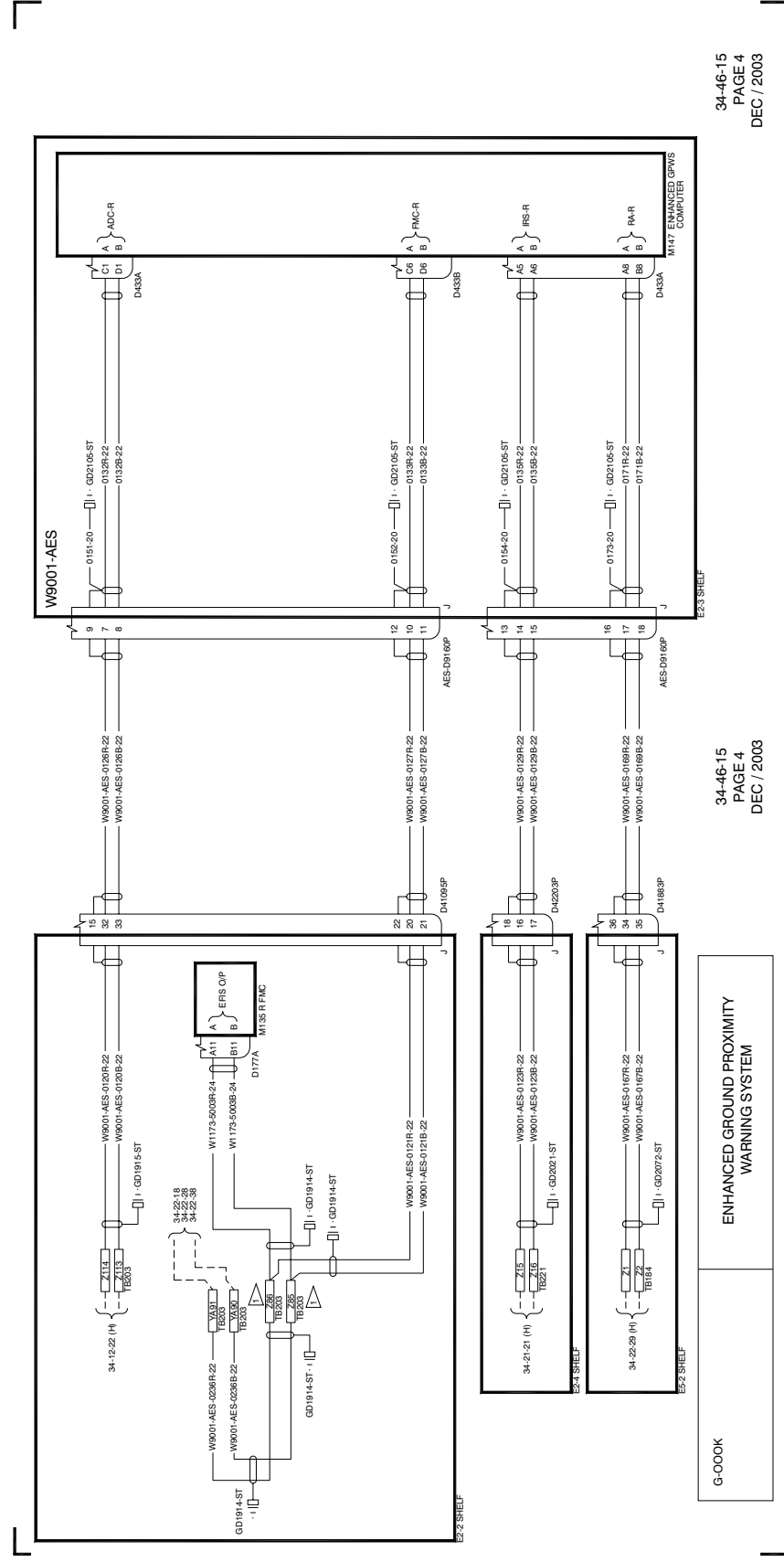
└

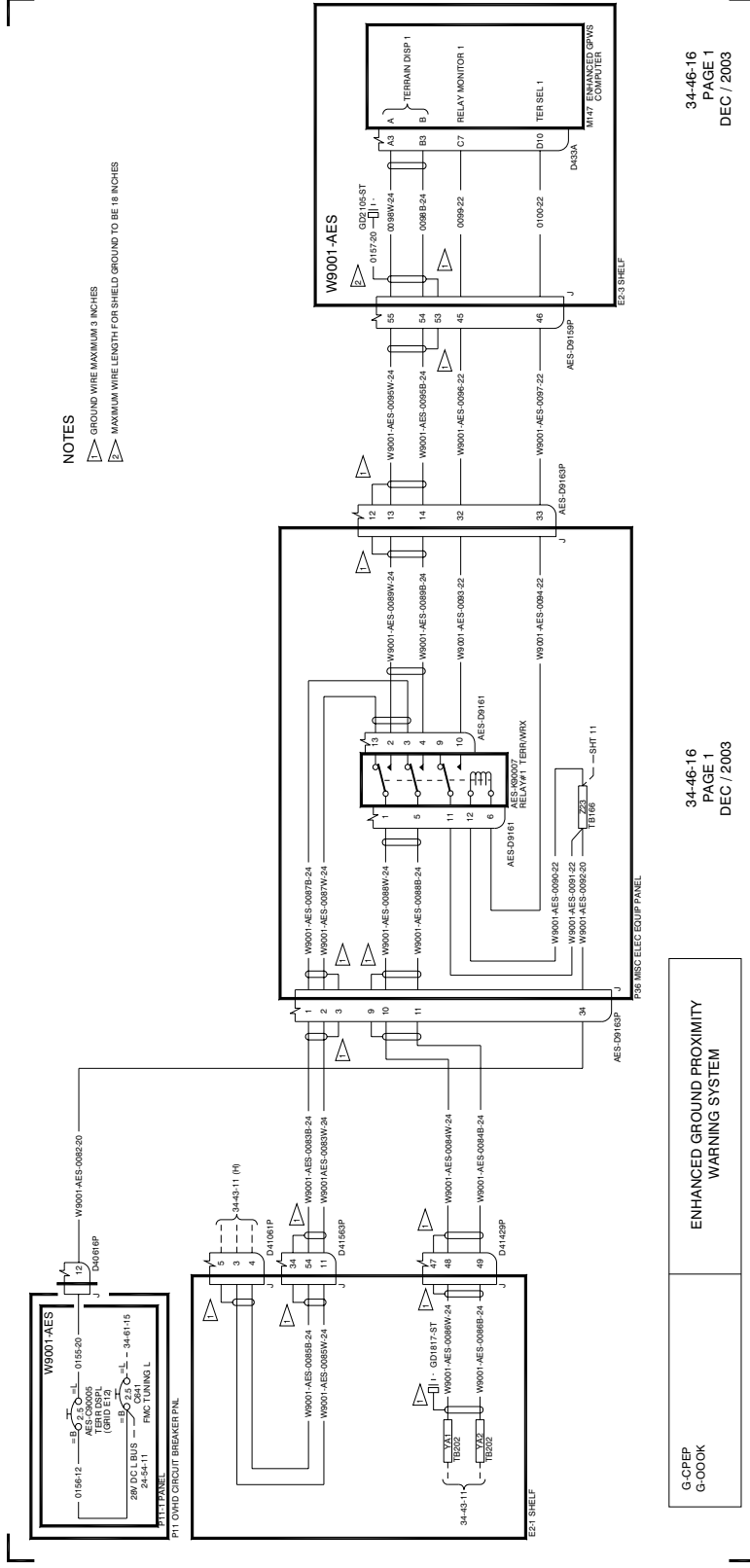
┌

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-15 PAGE 3A

AES FORM No. 037 – Issue 2

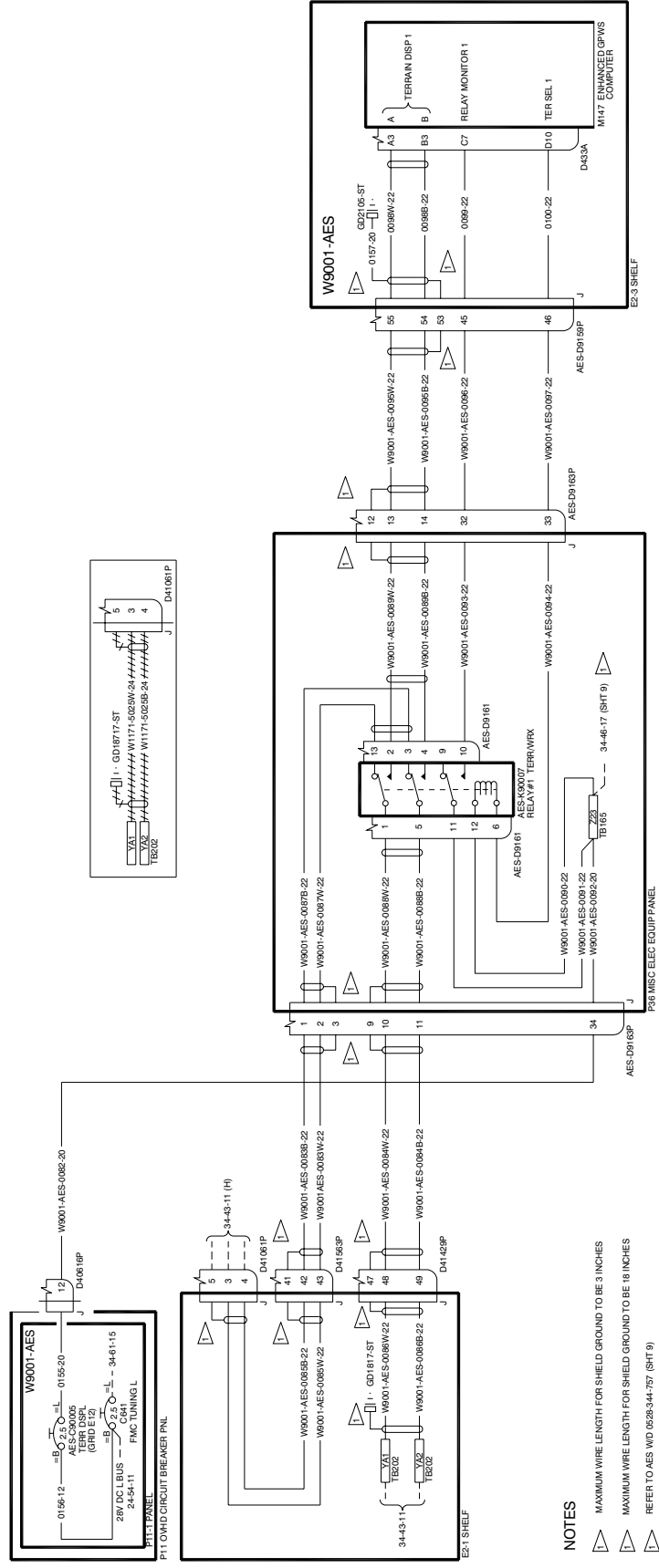




www.aesglobal.com

TEL: 44 (0)1279 818010

FAX: 44 (0)1279 647683



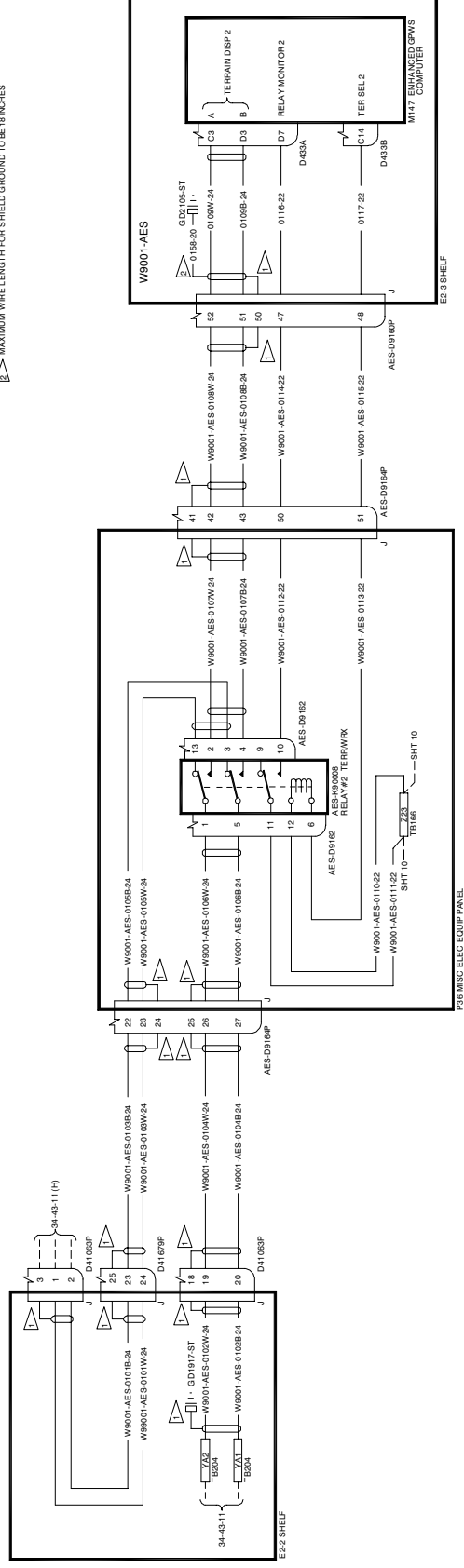
G-000Y

ENHANCED GROUND PROXIMITY
WARNING SYSTEM -
TERRAIN DISPLAY #1

34-46-16
PAGE 2
OCT / 2003

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-16 PAGE 2



NOTES

GROUND WIRE MAXIMUM 3 INCHES

2 MAXIMUM WIRE LENGTH FOR SHIELD GROUND TO BE 18 INCHES

G-CPEP
G-OOOY

ENHANCED GROUND PROXIMITY WARNING SYSTEM

34-46-16
PAGE 3
DEC / 2003

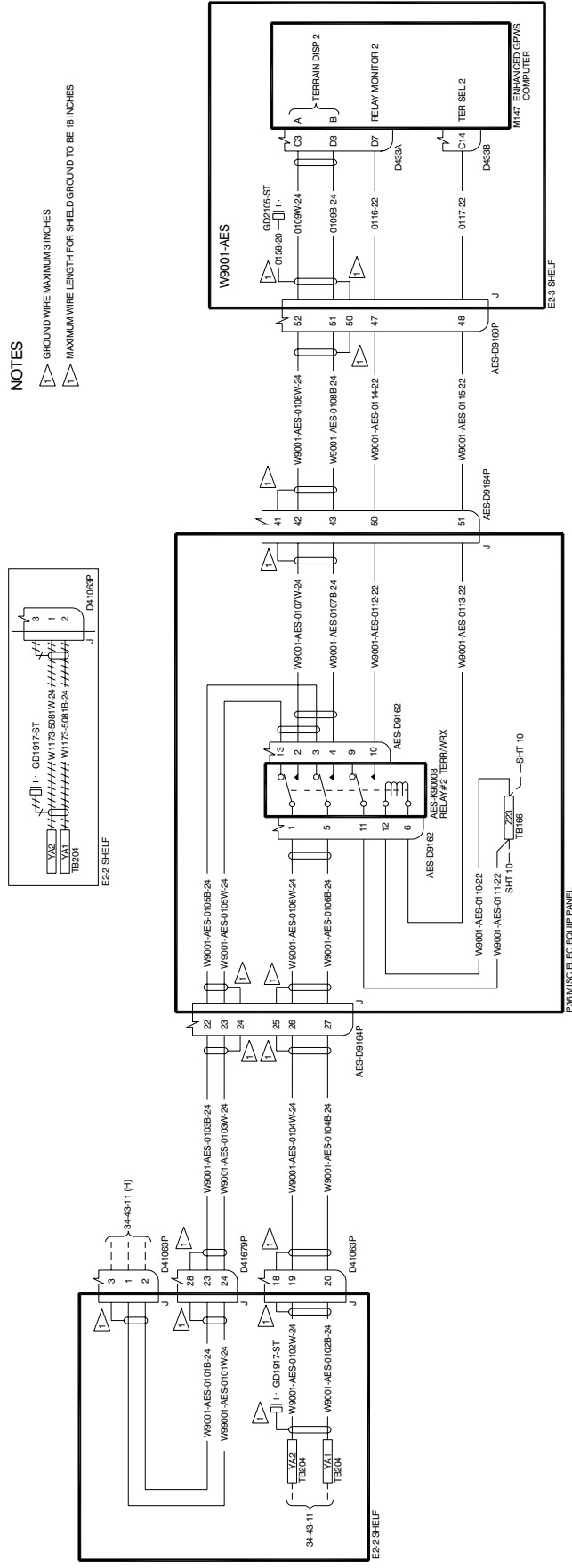
34-46-16
PAGE 3
DEC / 2003

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-16 PAGE 3

AES FORM No. 037 – Issue 2

BOEING B757



G-000K

ENHANCED GROUND PROXIMITY WARNING SYSTEM

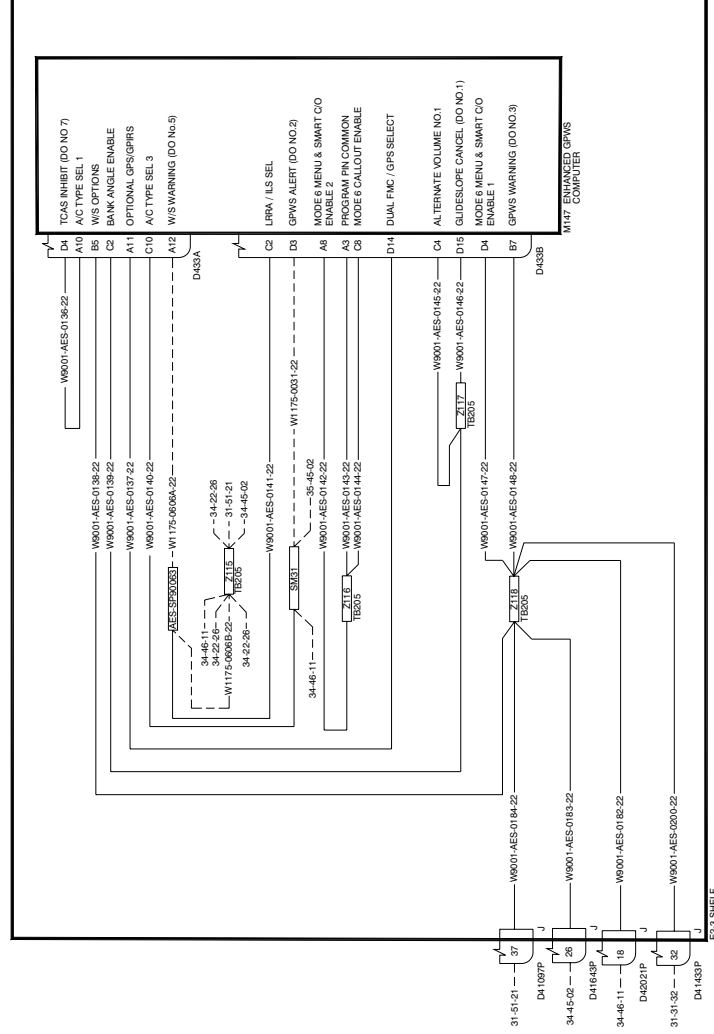
34-46-16
PAGE 3A
DEC / 2003

34-46-16
PAGE 3A
DEC / 2003

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-16 PAGE 3A

AES FORM No. 037 – Issue 2

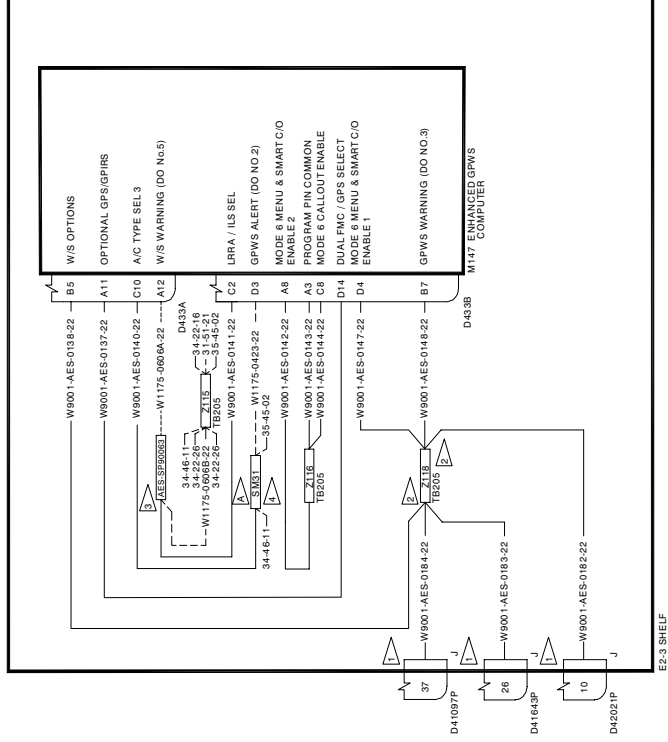


G-000K

ENHANCED GROUND PROXIMITY WARNING SYSTEM

34-46-17
PAGE 1
DEC / 2003

34-46-17
PAGE 1
DEC / 2003



ENHANCED GROUND PROXIMITY
WARNING SYSTEM -
PIN PROGRAMMING

34-46-18
PAGE 1
OCT / 2003



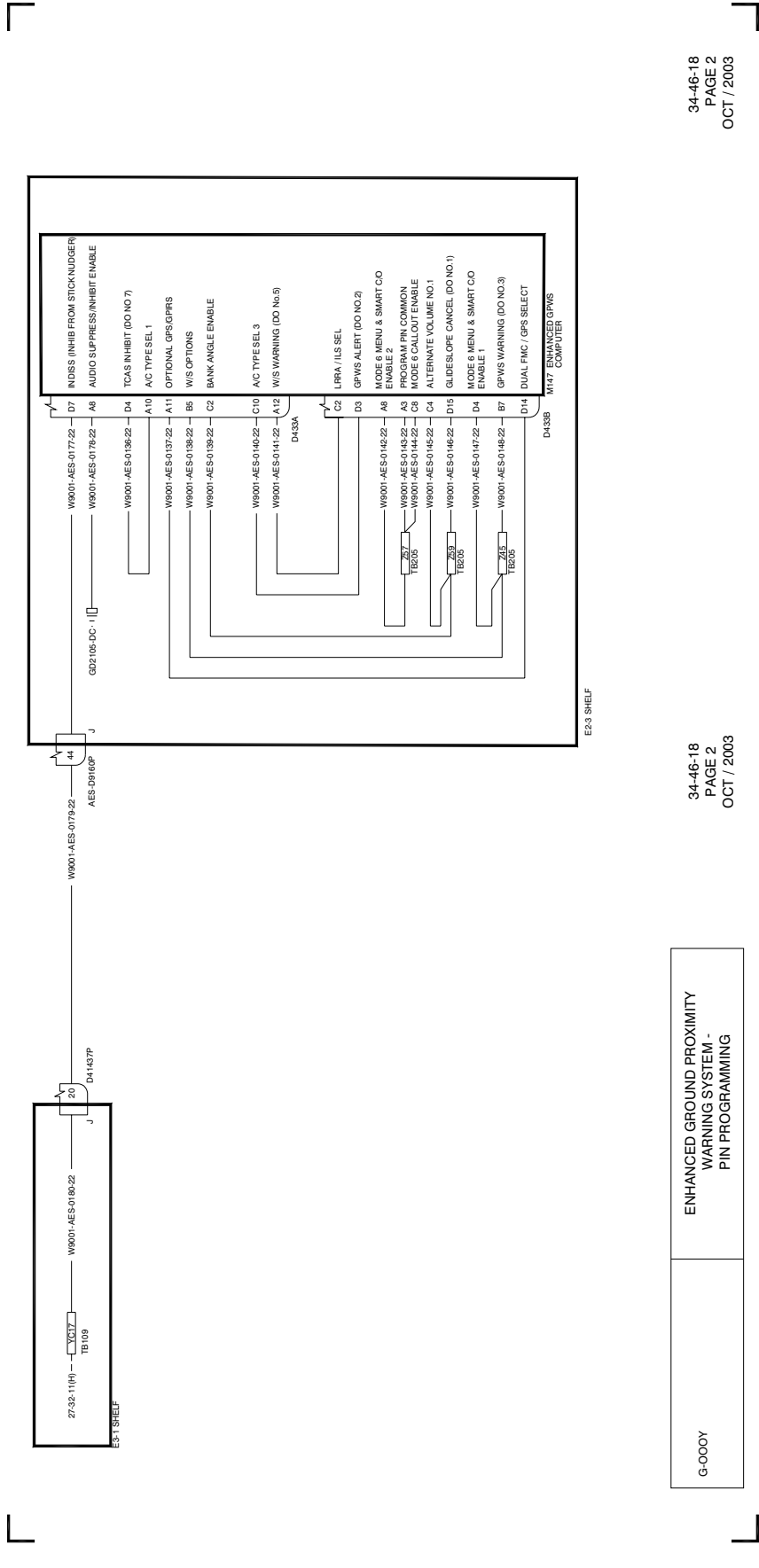
www.aesglobal.com

TEL: 44 (0)1279 818010

FAX: 44 (0)1279 647683

Unit 28, Golds Nurseries
Business Park
Elsenham
Essex
CM22 6JX

BOEING B757



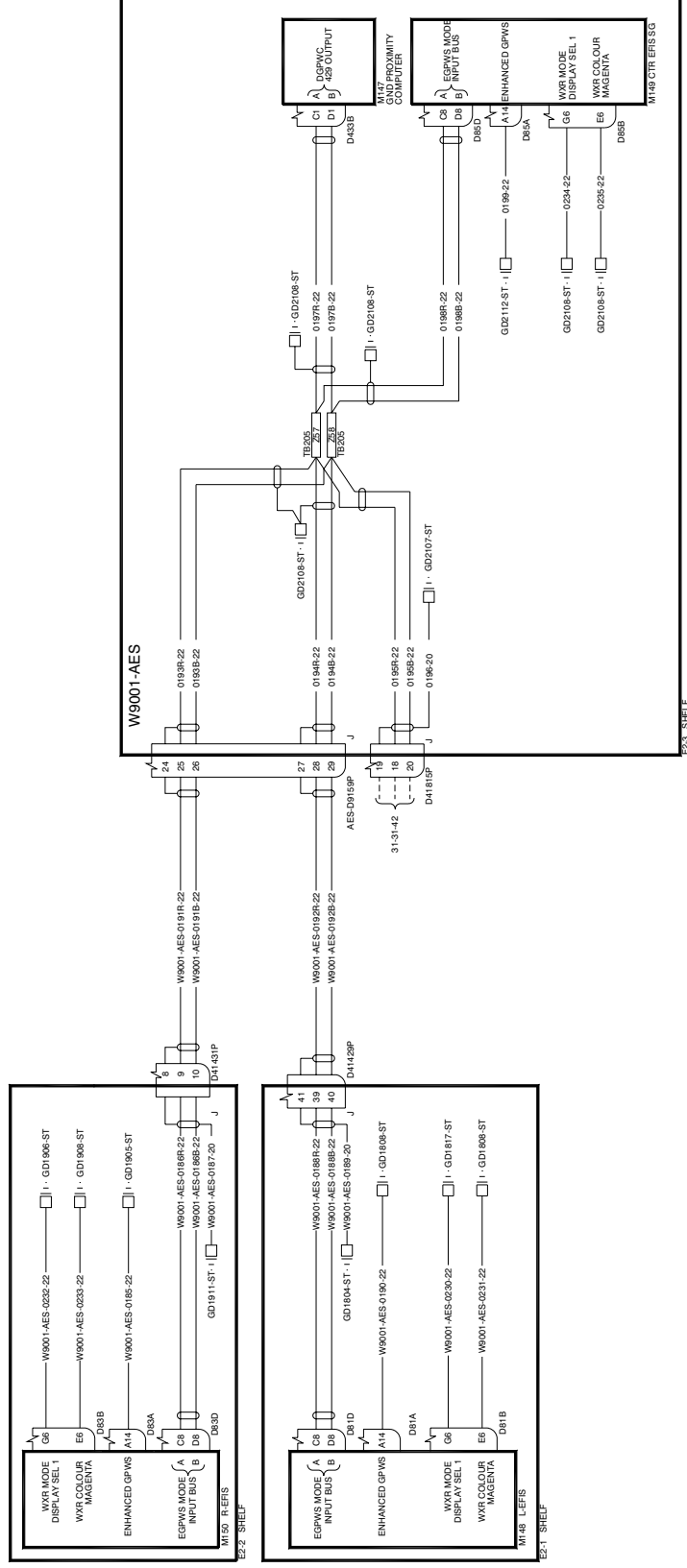
34-46-18
PAGE 2
OCT / 2003

34-46-18
PAGE 2
OCT / 2003

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-18 PAGE 3A

AES FORM No. 037 – Issue 2

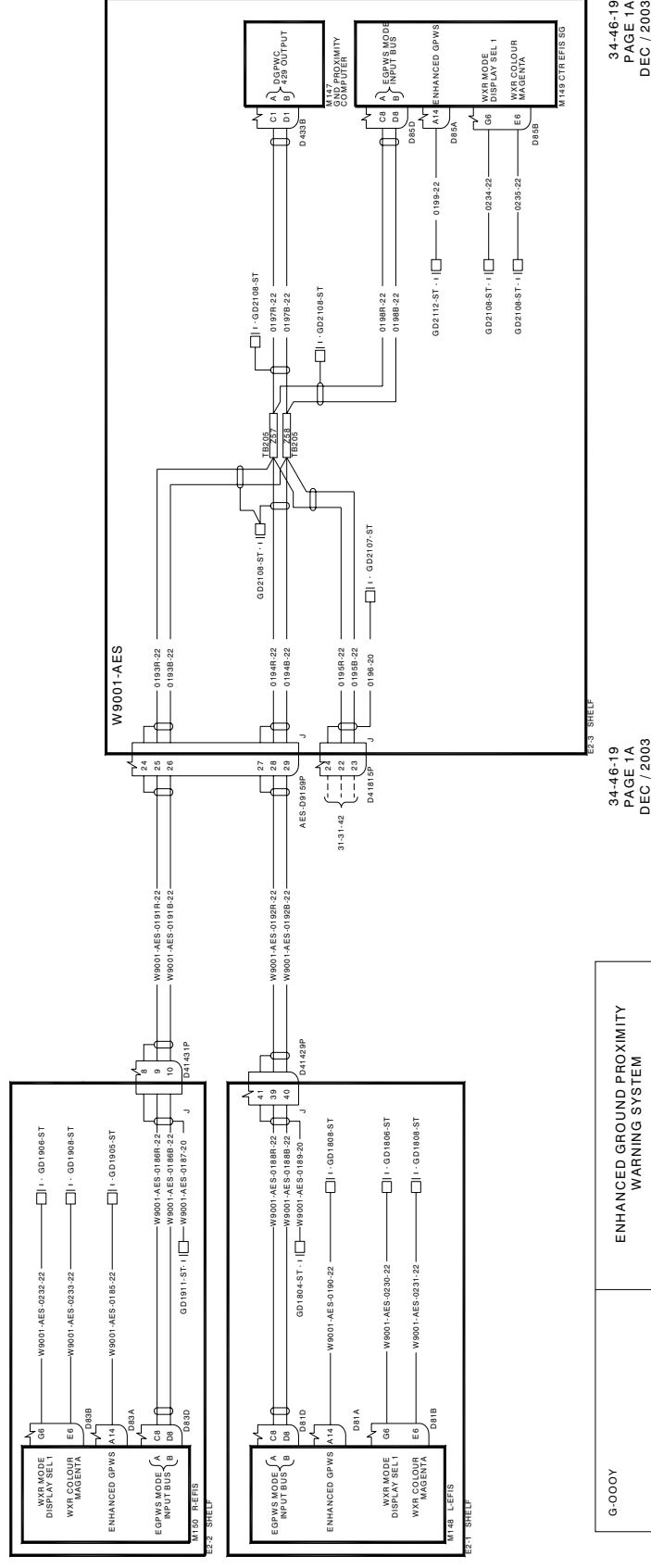


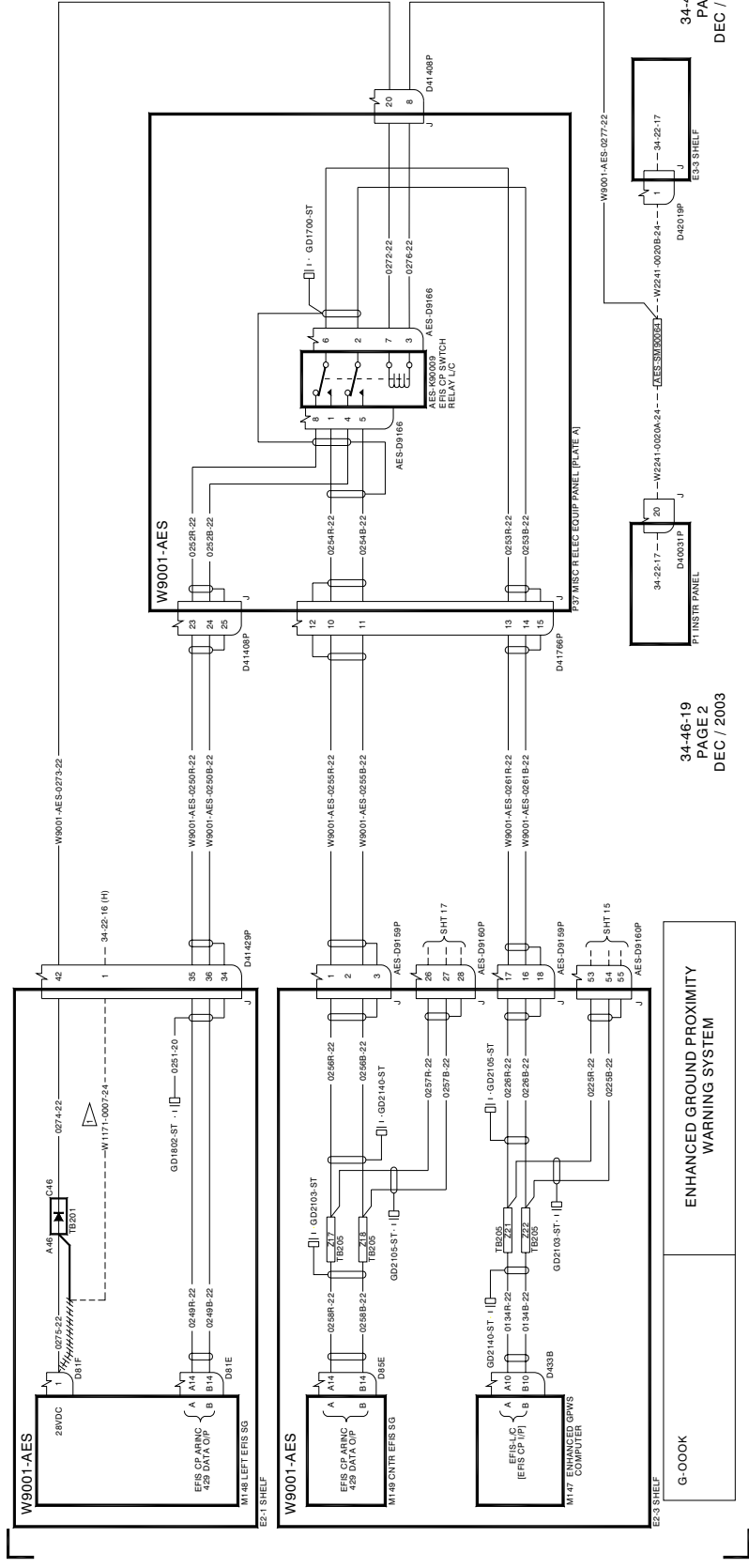
G-00K

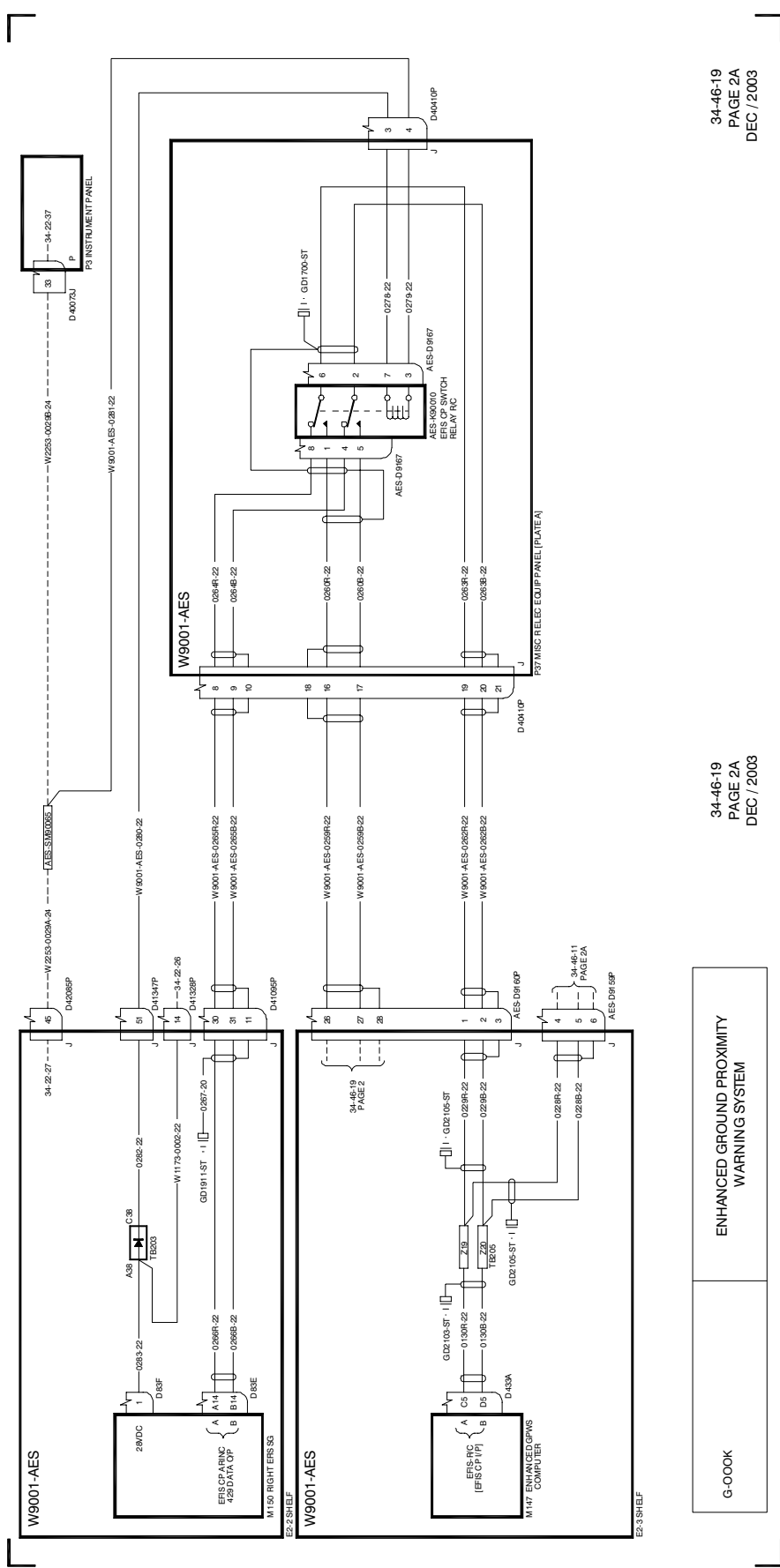
ENHANCED GROUND PROXIMITY
WARNING SYSTEM

34-46-19
PAGE 1
DEC / 2003

34-46-19
PAGE 1
DEC / 2003







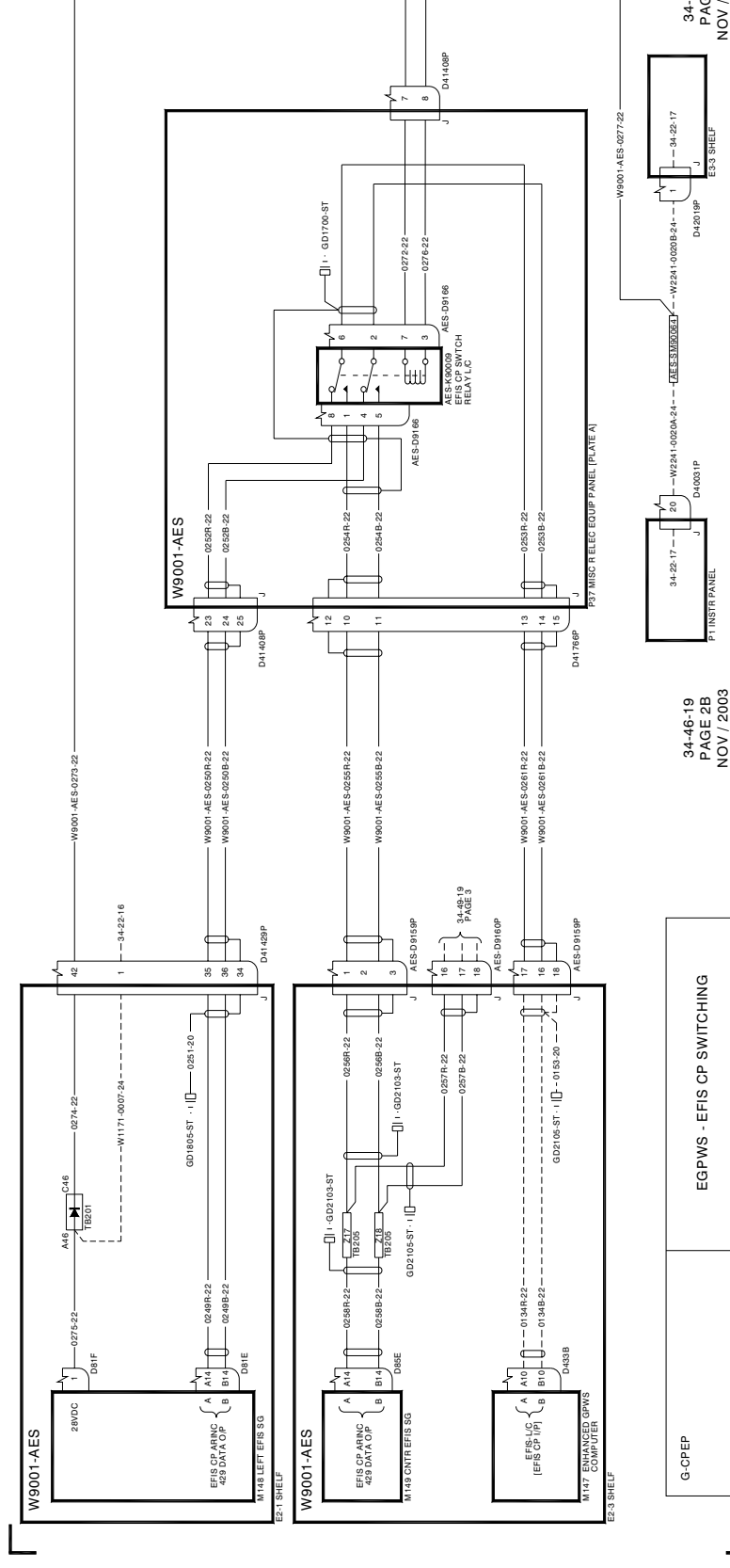
34-46-19
PAGE 2A
DEC / 2003

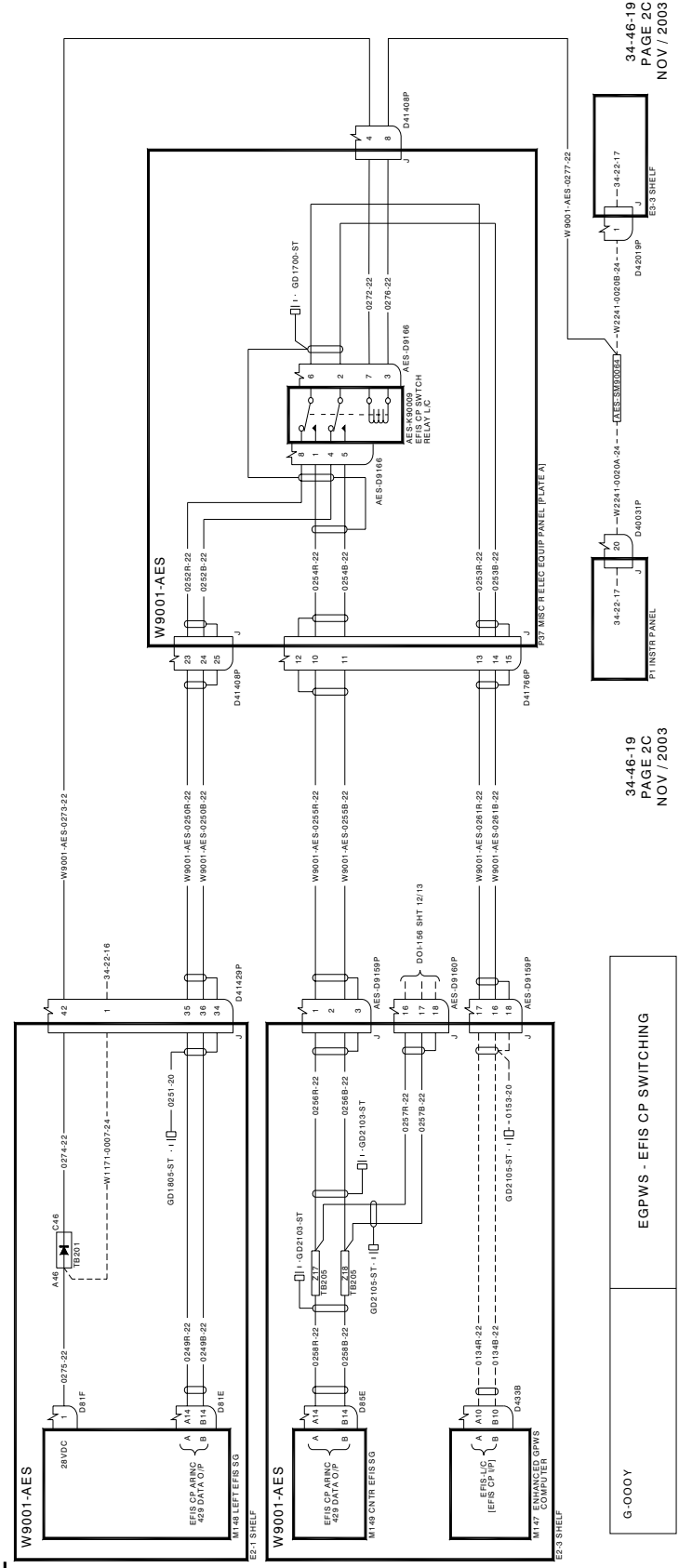
34-46-19
PAGE 2A
DEC / 2003

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-19 PAGE 2A

AES FORM No. 037 – Issue 2





AES FORM No. 037 – Issue 2



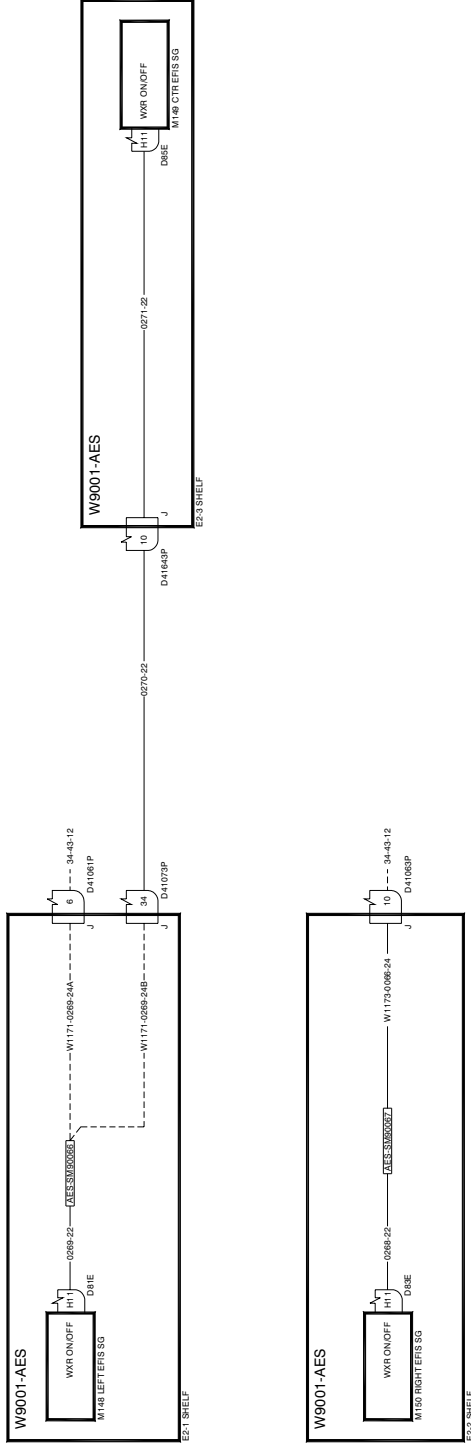
www.aesglobal.com

TEL: 44 (0)1279 818010

FAX: 44 (0)1279 647683

Unit 28, Golds Nurseries
Business Park
Elsenham
Essex
CM22 6JX

BOEING B757



G-000K
G-CPEP
G-000Y

ENHANCED GROUND PROXIMITY
WARNING SYSTEM

34-46-20
PAGE 1
DEC / 2003

34-46-20
PAGE 1
DEC / 2003

REV: INIT ISSUE
DATE: JULY 2004

DOC No. AES-TP-0003
34-46-20 PAGE 1

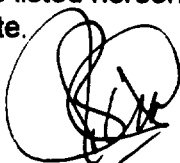
AES FORM No. 037 – Issue 2

B757 MANUAL SUPPLEMENT - ATP 3510
SECTION 4 CHAPTER 34
CONTROL PAGE - ISSUE 1

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.
34-12-12	1	34-769
34-12-22	1	34-770
34-13-01	7	34-648
34-22-16	1	34-771
34-22-17	1	34-765
34-22-19	1	* 34-797
34-22-26	1	34-772
34-22-29	1	* 34-796
34-22-36	1	34-773
34-22-39	1	* 34-798
34-22-81	1 Sht.1	34-778
34-22-81	1 Sht.2	34-774
34-22-81	1 Sht.3	34-775
34-22-91	1 Sht.1	34-779
34-22-91	1 Sht.2	34-776
34-22-91	1 Sht.3	34-777
34-25-11	1	34-759
34-46-11	1	34-767
34-46-12	1 Sht.2	34-766
34-53-12	1	34-757
34-53-22	1	34-758
34-55-11	1	34-780
34-55-21	1	34-781
34-61-11	1	34-762

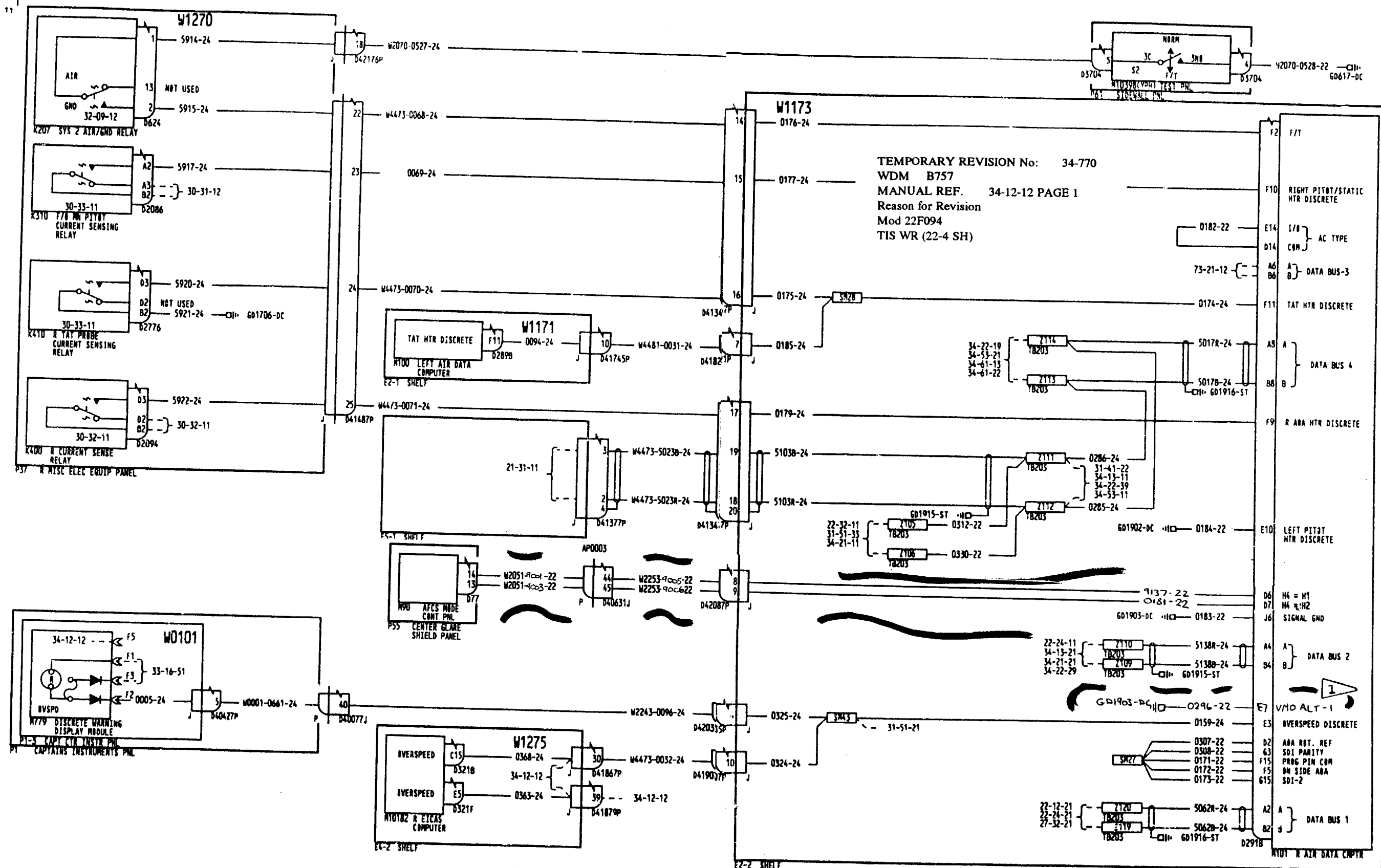
**B757 MANUAL SUPPLEMENT - ATP 3510
SECTION 4 CHAPTER 34
CONTROL PAGE - ISSUE 1**

Chapter Section	Page	TR/Alert No.
Subject		
34-61-13	1	34-760
34-61-13	1	* 34-795
34-61-21	1	34-763
34-61-23	1	34-761
34-61-23	1	* 34-794

D. Remove and Destroy the following TRs/Alerts:

34-22-29	1	34-768
34-22-39	1	34-764

*** Indicates TRs/Alerts issued with this control page**



002

ADC OUTPUTS AND
DISCRETE INPUTS - RIGHT

34-12-22
PAGE: 1

NOTE:

1 34G 222 REFERS

34-12-22
PAGE 1

**ATP
TEMPORARY
REVISION**

BRITISH AIRWAYS

B757 PEP

TR Page 1 of 1

28 July, 1997

MAINTENANCE MANUAL

TEMPORARY REVISION No. 34-648

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



For CHIEF ENGINEER QUALITY

Manual Reference 34-13-01 Page 7

REASON FOR REVISION

To amend the MM to reflect the use of the British standard Standby Air Speed Indicator, P/N A3615710070

The Standby Airspeed Indicator is applicable to A/C reg. PEP (002)

Reference: ESA.RJK.23077.419.104
Originator: Richard Kinnell
Workbook: CV 34-211

34-13-01

Page 7

**ATP
TEMPORARY
REVISION**

BRITISH AIRWAYS

(NB 322)

TR Page 1 of 1

25 July, 1997

B757

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-771

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

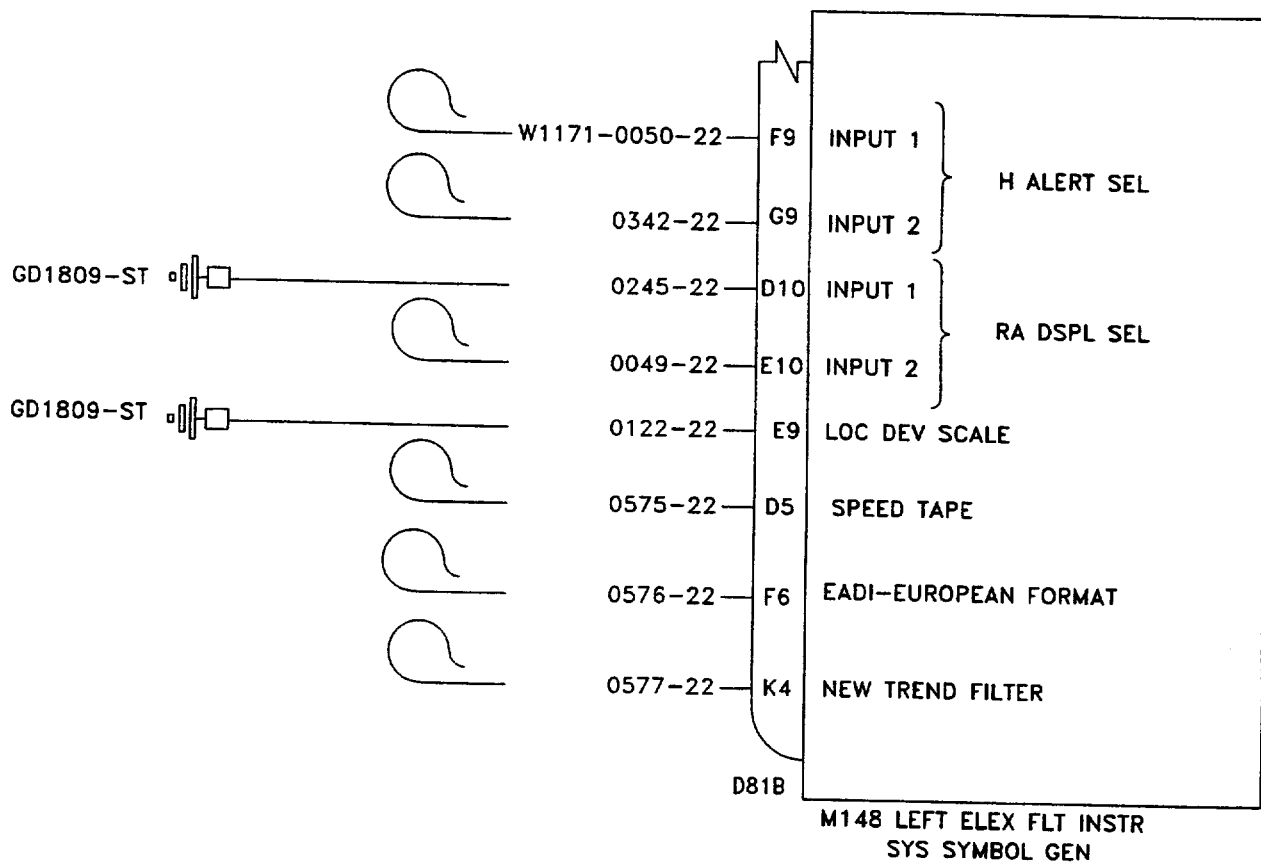
Manual Reference 34-22-16 Page 1

REASON FOR REVISION

EFIS display, configured to BA standard.

ACTION

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



Originator: A. Graham
Reference: 34G227
Workbook: SH 34-60

34-22-16
Page 1

**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

TR Page 1 of 1
23 July, 1997

B757

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-765

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

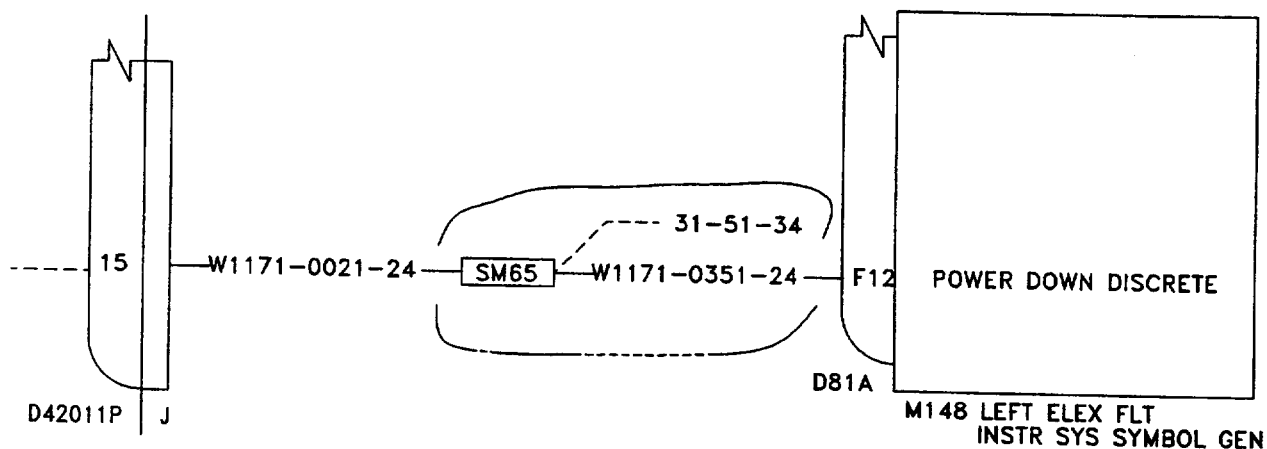
Manual Reference 34-22-17 Page 1

REASON FOR REVISION

Aural warnings to CAA standard.

ACTION

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



Originator: R. Kinnell
Reference: 31G097
Workbook: SH 31-9

34-22-17
Page 1

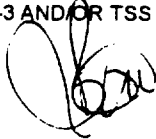
**ATP
TEMPORARY
REVISION**

BRITISH AIRWAYS
(NB 322)
B757

TR Page 1 of 1
17 September, 1997

WIRING DAIAGRAM MANUAL
TEMPORARY REVISION No. 34-797

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

Manual Reference 34-22-19 Page 1

REASON FOR REVISION

EFIS display, configured to BA standard.

ACTION

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

- 1) Wire W1171-0734-24 is capped & stowed adjacent TB201 YA65.
- 2) Wire W1171-0733-24 is capped & stowed adjacent pin G12 D81D.

Originator: R. Kinnell
Reference: 34G227
Workbook: SH 34-67

34-22-19
Page 1

**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

TR Page 1 of 1
25 July, 1997

B757

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-772

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. DA1/8586/78.

G Litchfield

For CHIEF ENGINEER QUALITY

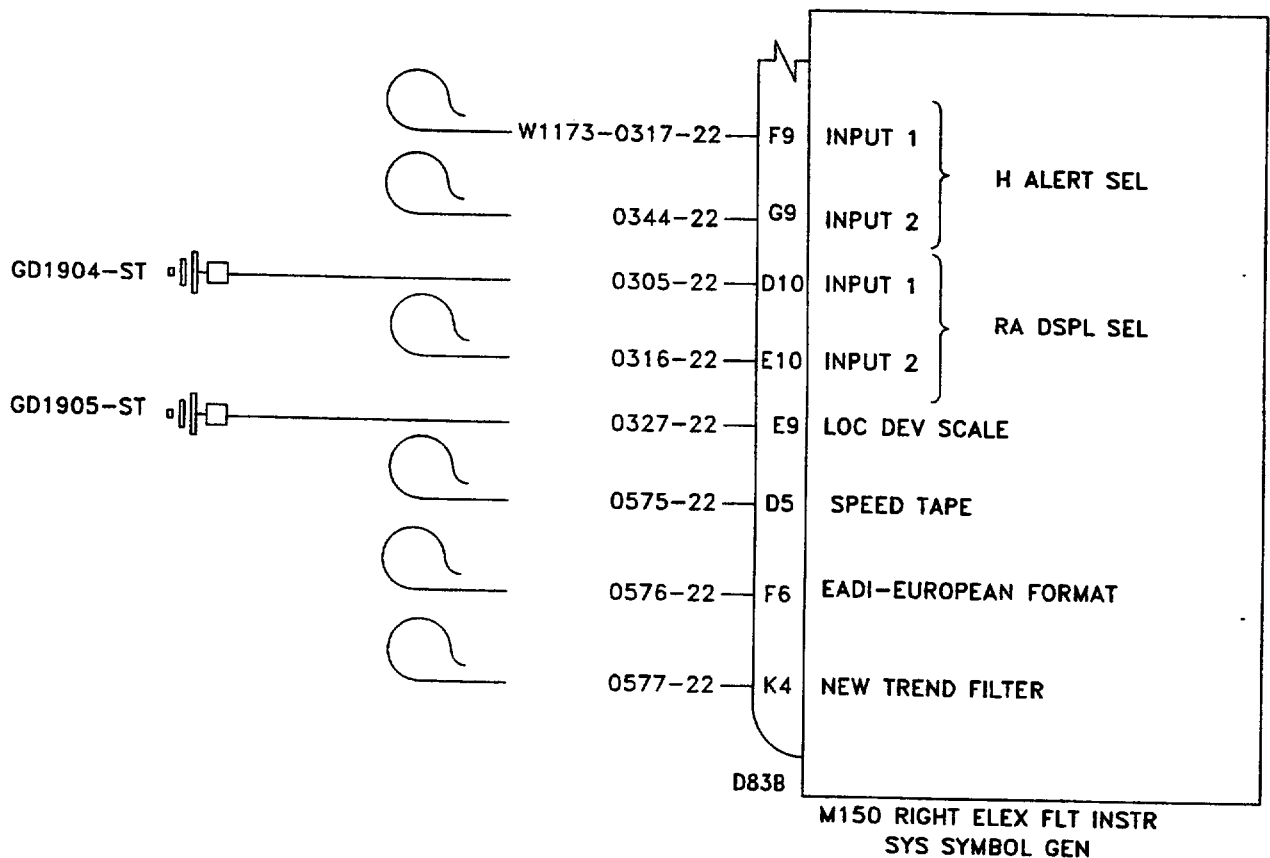
Manual Reference 34-22-26 Page 1

REASON FOR REVISION

EFIS display, configured to BA standard.

ACTION

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



Originator: A. Graham
Reference: 34G227
Workbook: SH 34-60

34-22-26
Page 1

**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

TR Page 1 of 1
17 September, 1997

B757

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-796

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

Manual Reference 34-22-29 Page 1

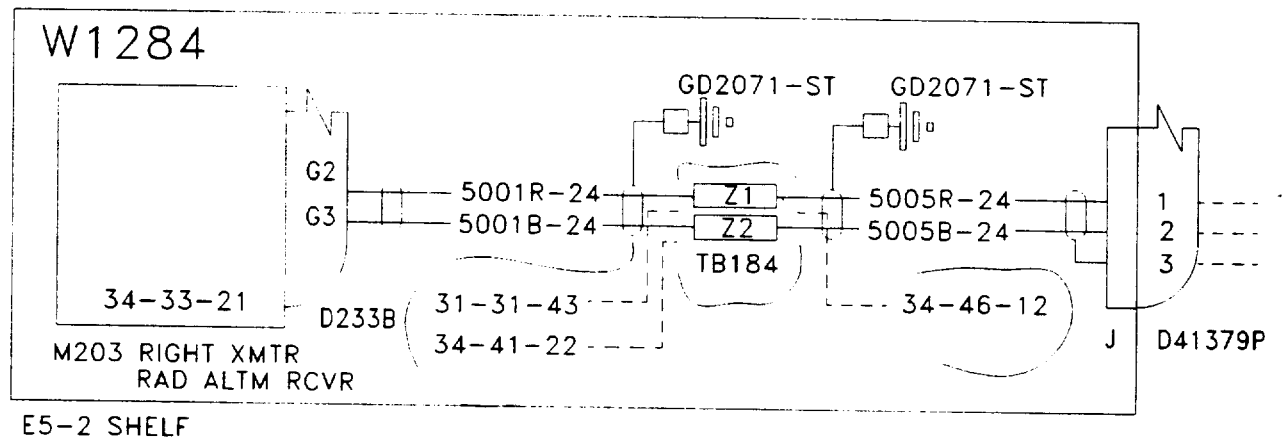
REASON FOR REVISION

- 1) GPWS to BA standard.
- 2) EFIS display, configured to BA standard.

ACTION

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

- 1) Mod 34G224.



- 2) Mod 34G227.

Wire W1173-0755-24 is capped & stowed adjacent pin G12 D83D.

Originator: R. Kinnell
Reference: 34G227
Workbook: SH 34-67

34-22-29
Page 1

**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

TR Page 1 of 1
25 July, 1997

B757

WIRING DATA DIAGRAM MANUAL

TEMPORARY REVISION No. 34-773

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.

G Litchfield

For CHIEF ENGINEER QUALITY

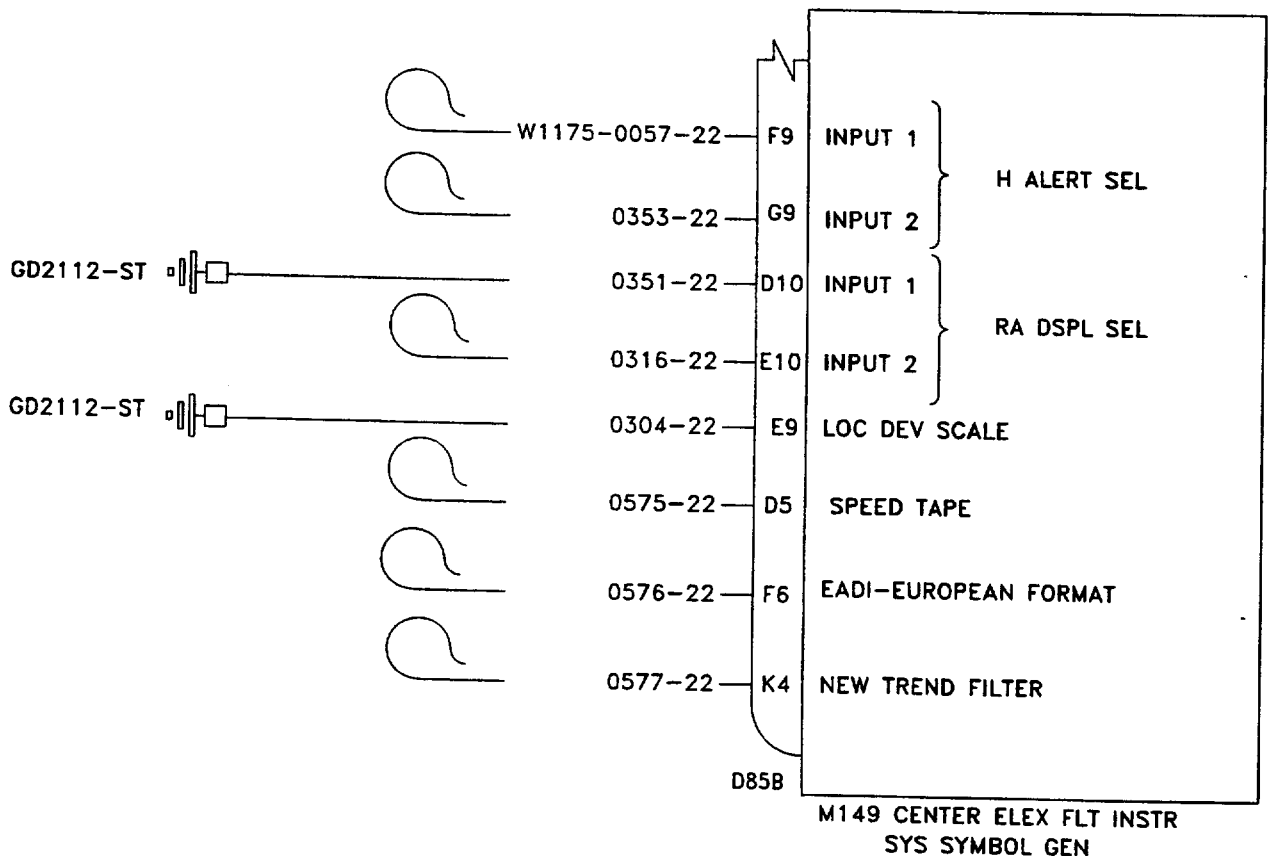
Manual Reference 34-22-36 Page 1

REASON FOR REVISION

EFIS display, configured to BA standard.

ACTION

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



Originator: A. Graham
Reference: 34G227
Workbook: SH 34-60

34-22-36
Page 1

**ATP
TEMPORARY
REVISION**

BRITISH AIRWAYS

(NB 322)

B757

TR Page 1 of 1
17 September, 1997

WIRING DIAGRAM MANUAL

TEMPORARY REVISION No. 34-798

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

Manual Reference 34-22-39 Page 1

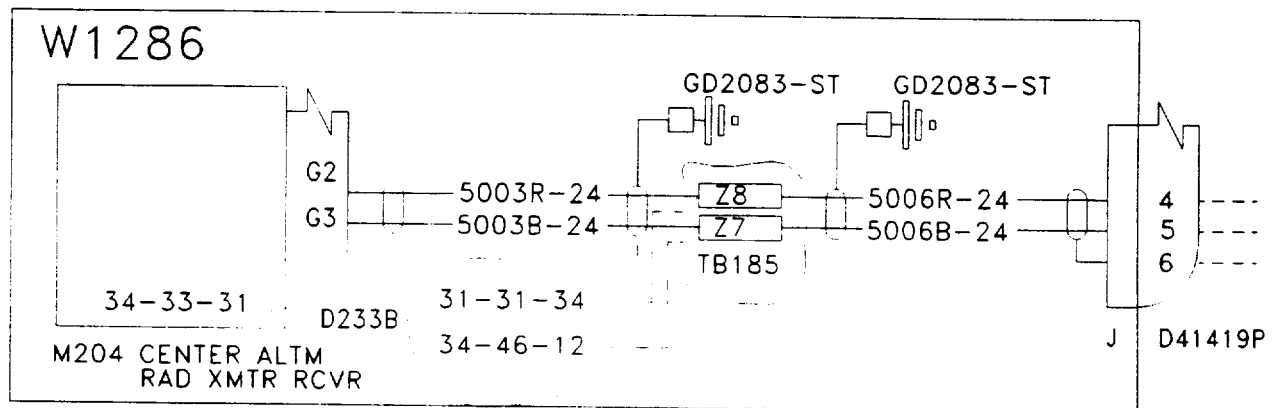
REASON FOR REVISION

- 1) Aural warnings to CAA standard.
- 2) EFIS display, configured to BA standard.

ACTION

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

- 1) Mod 31G097.



E5-3 SHELF

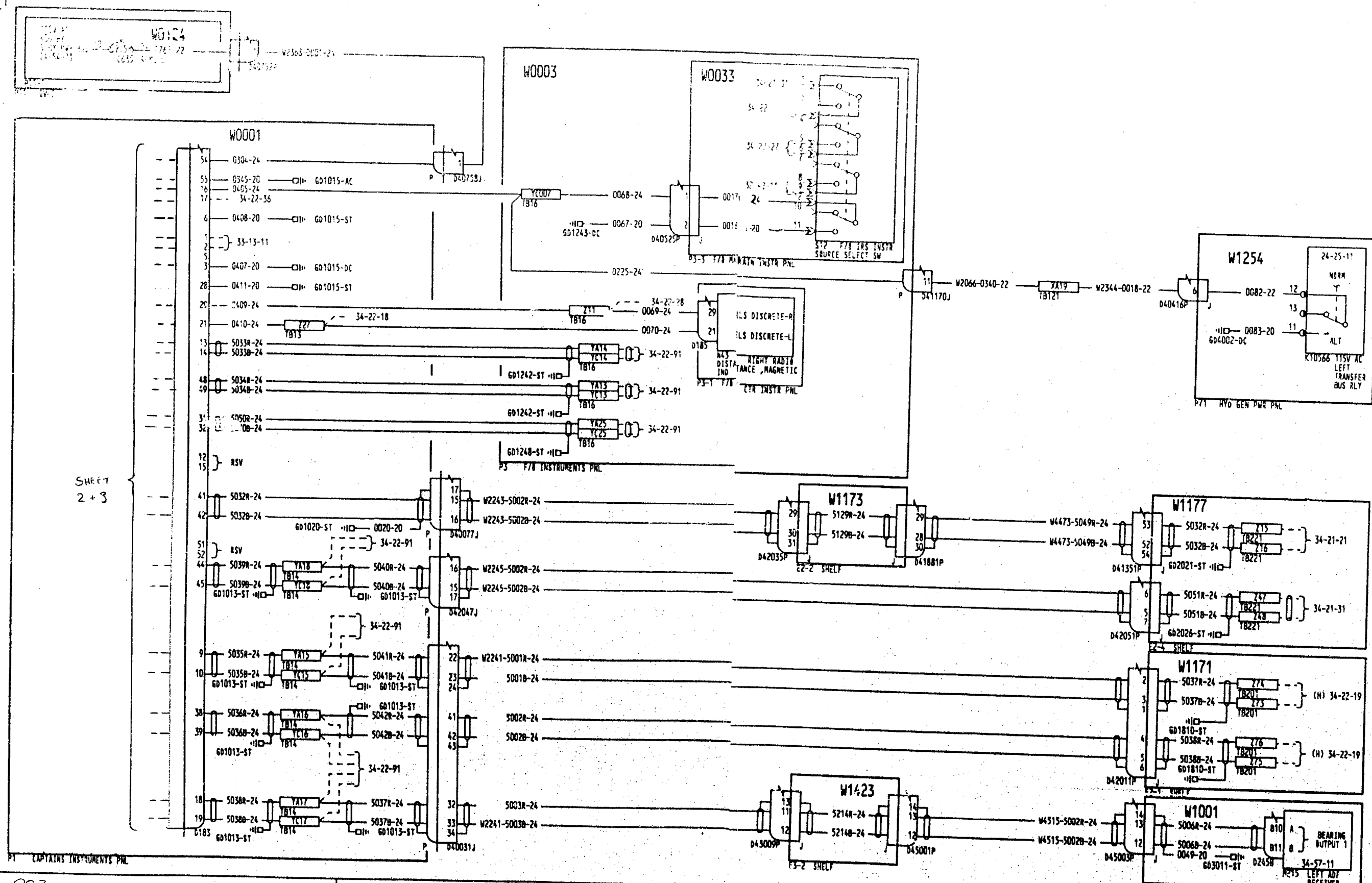
- 2) Mod 34G227.

Wire W1175-0734-24 is capped & stowed adjacent pin G12 D85D.

Originator: R. Kinnell
Reference: 34G227
Workbook: SH 34-67

34-22-39
Page 1

WIRING DIAGRAM MANUAL



002

RADIO DISTANCE MAGNETIC INDICATOR - LEFT

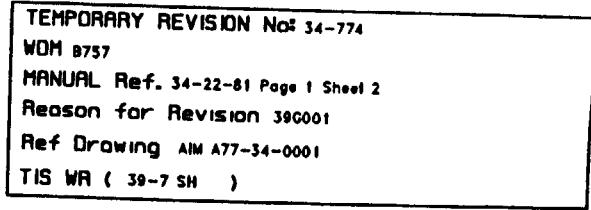
MANUAL NO. D280N032

34-22-81
PAGE 1
SHEET 1

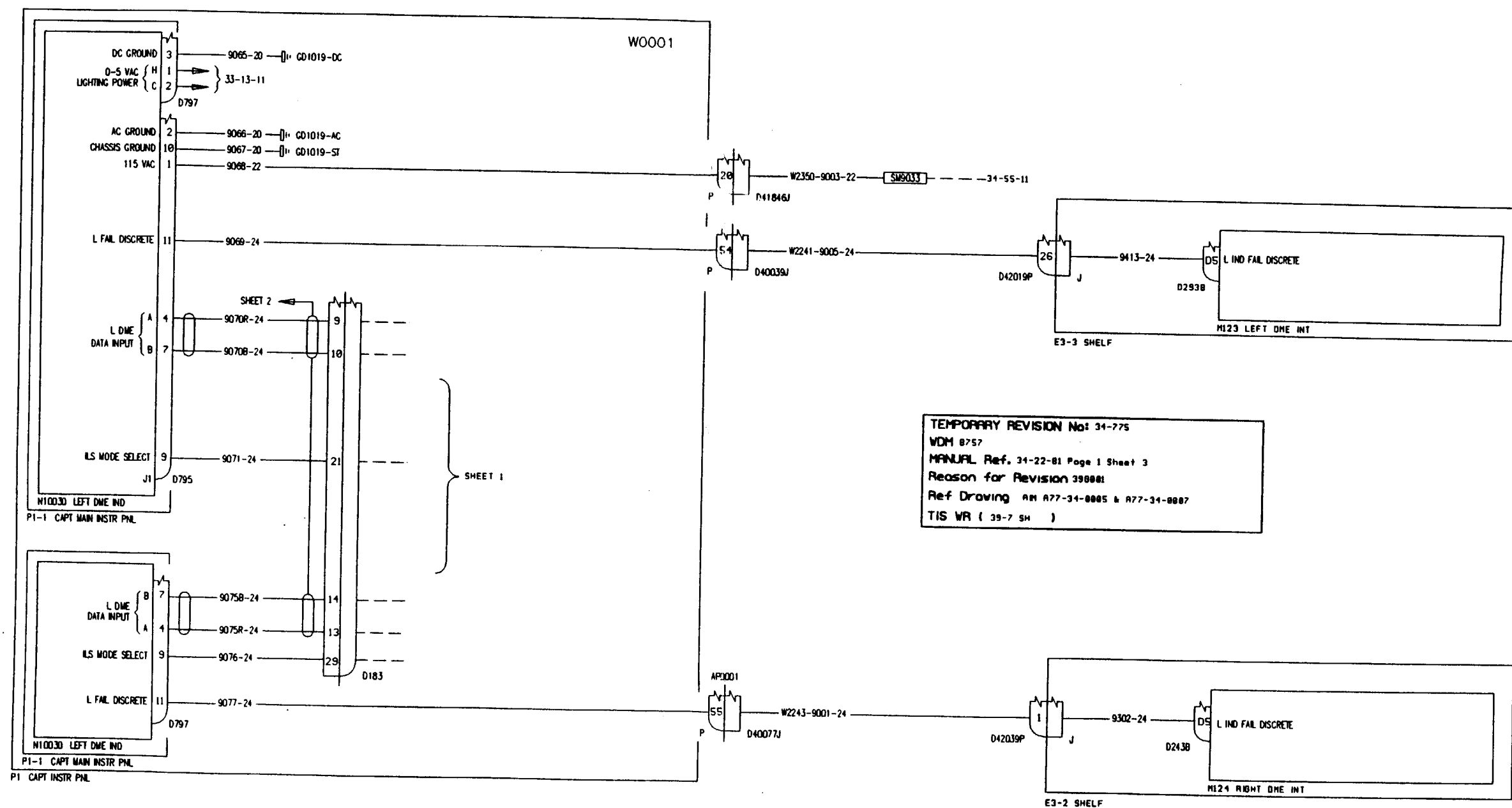
TEMPORARY REVISION No: 34-778
WDM B757
MANUAL REF. 34-22-81 PAGE 1 SH 1
Reason for Revision
Mod 39G001
TIS WR (39-7 SH)

34-22-81
PAGE 1
SHEET 1

BAB WIRING DIAGRAM MANUAL



BOEING 757 BAB WIRING DIAGRAM MANUAL

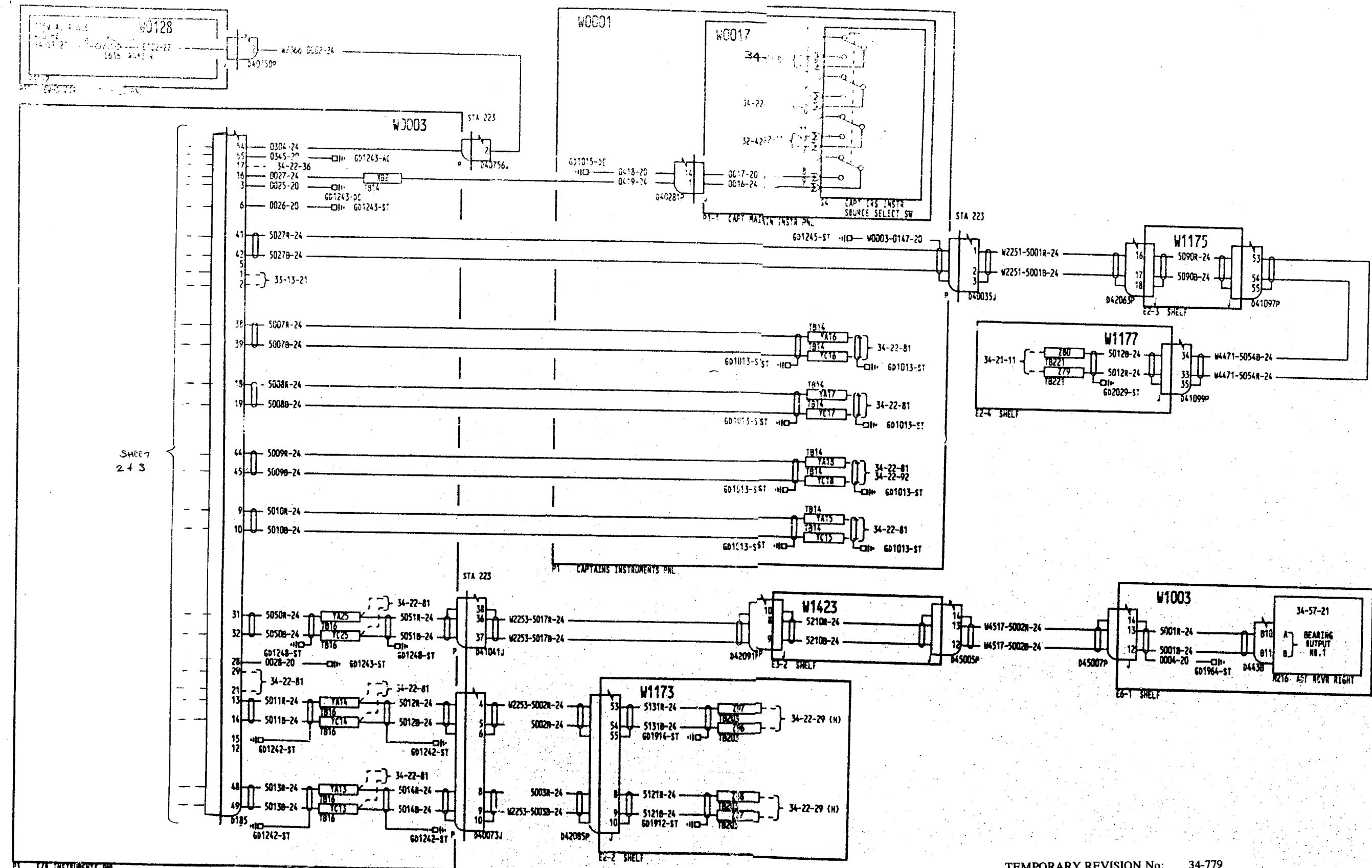


002	RADIO DISTANCE MAGNETIC INDICATOR- LEFT
-----	--

34-22-81
PAGE 1
SHEET 3

34-22-81
PAGE 1
SHEET 3

WIRING DIAGRAM MANUAL



RADIO DISTANCE MAGNETIC
INDICATOR - RIGHT

34-22-91
PAGE 1
SHEET 1

MANUAL NO: D2BDN032

TEMPORARY REVISION No: 34-779
WDM B757
MANUAL REF. 34-22-91 PAGE 1 SH 1
Reason for Revision
Mod 39G001
TIS WR (39-7 SH)

34-22-91
PAGE 1
SHEET 1

BOEING 757



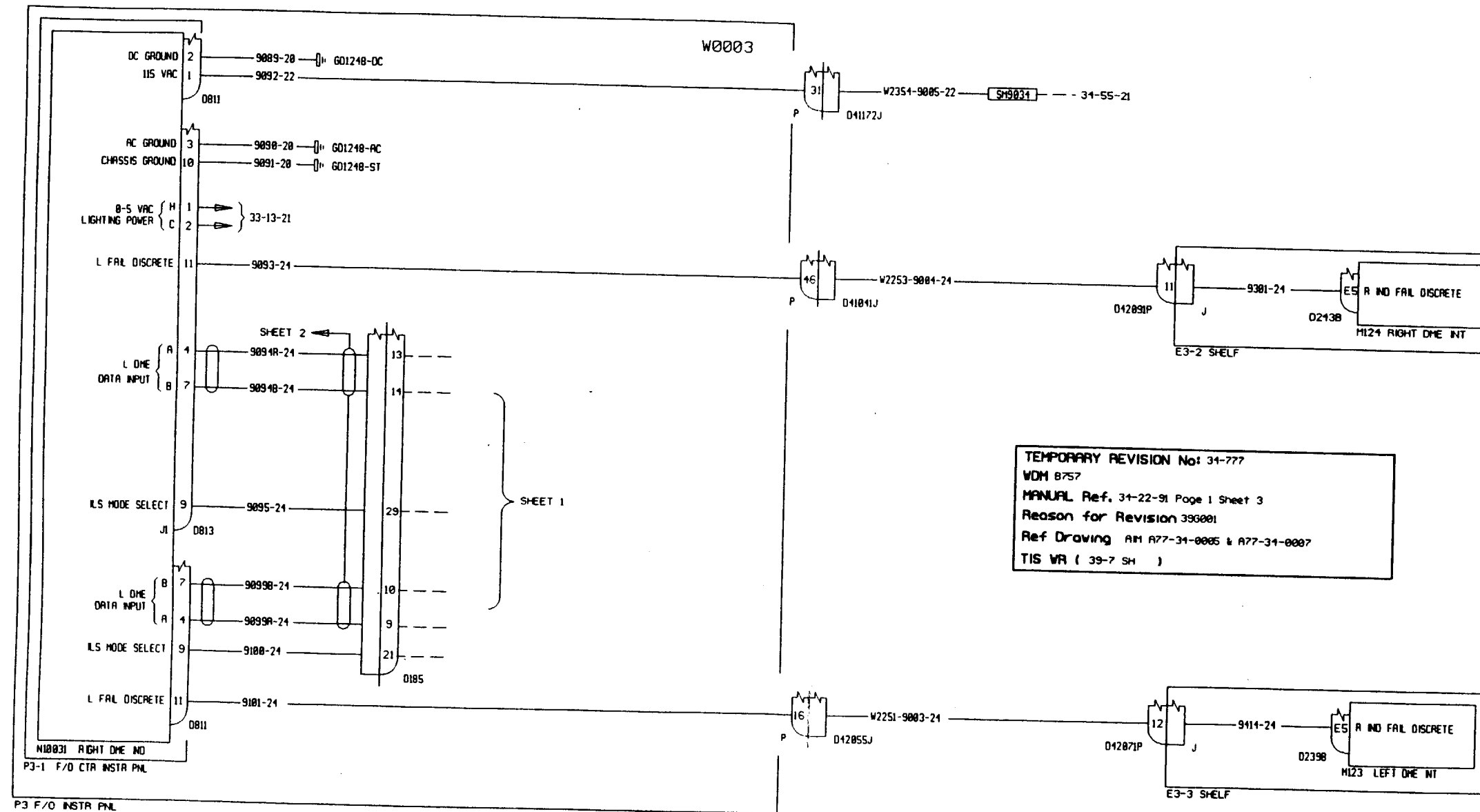
RADIO DISTANCE MAGNETIC
INDICATOR- RIGHT

34-22-91

34-22-91

PAGE 1
SHEET 2

BOEING 757 BAB WIRING DIAGRAM MANUAL



802

RADIO DISTANCE MAGNETIC
INDICATOR- RIGHT

34-22-91
PAGE 1
SHEET 3

34-22-91
PAGE 1
SHEET 3

**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

TR Page 1 of 1

22 July, 1997

B757

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-759

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

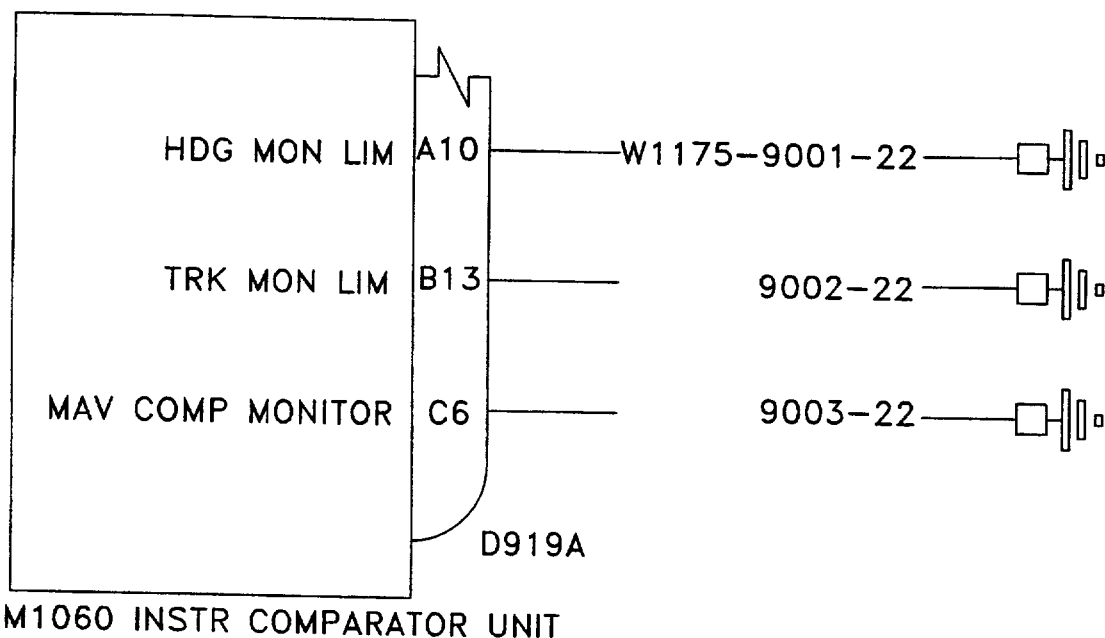
Manual Reference 34-25-11 Page 1

REASON FOR REVISION

To change comparator setting to meet CAA requirements.

ACTION

Read this TR in conjunction with Boeing pages. Addition wiring as detailed below.



Originator: R. Kinnell
Reference: 34D462
Workbook: SH 34-63

34-25-11
Page 1

**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

TR Page 1 of 1

23 July, 1997

B757

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-767

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



For CHIEF ENGINEER QUALITY

Manual Reference 34-46-11 Page 1

REASON FOR REVISION

GPWS to BA standard.

ACTION

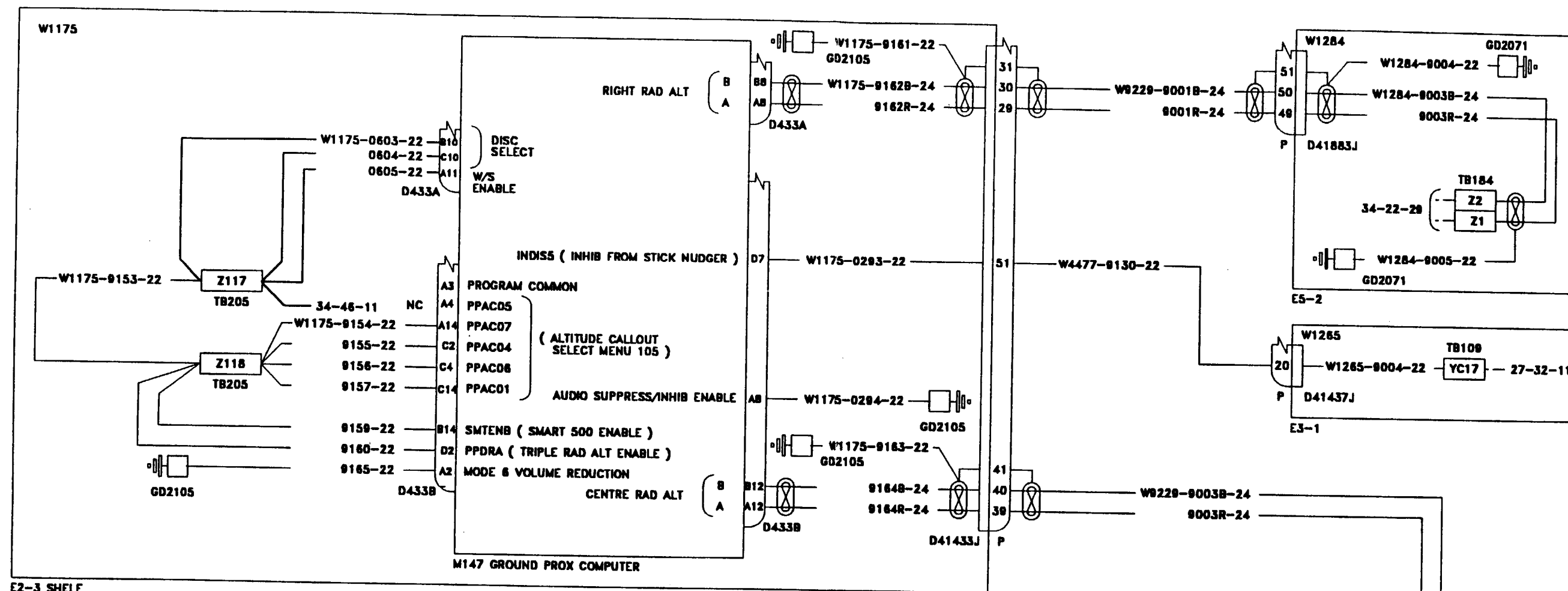
Read this TR in conjunction with Boeing pages. Additional wiring changes below.

Wire W1175-0602-22 from D433A D10 to TB205 Z117 is deleted post Mod 34G224.

Originator: R. Kinnell
Reference: 34G224
Workbook: SH 34-61

34-46-11
Page 1

BOEING 757 BAB WIRING DIAGRAM MANUAL



TEMPORARY REVISION No: 34-788
 VDM 8757
 MANUPL Ref. 34-46-12 PAGE 1
 Reason for Revision 340224
 Ref Drawing 104338
 TIS VR (SH 34-81)

002

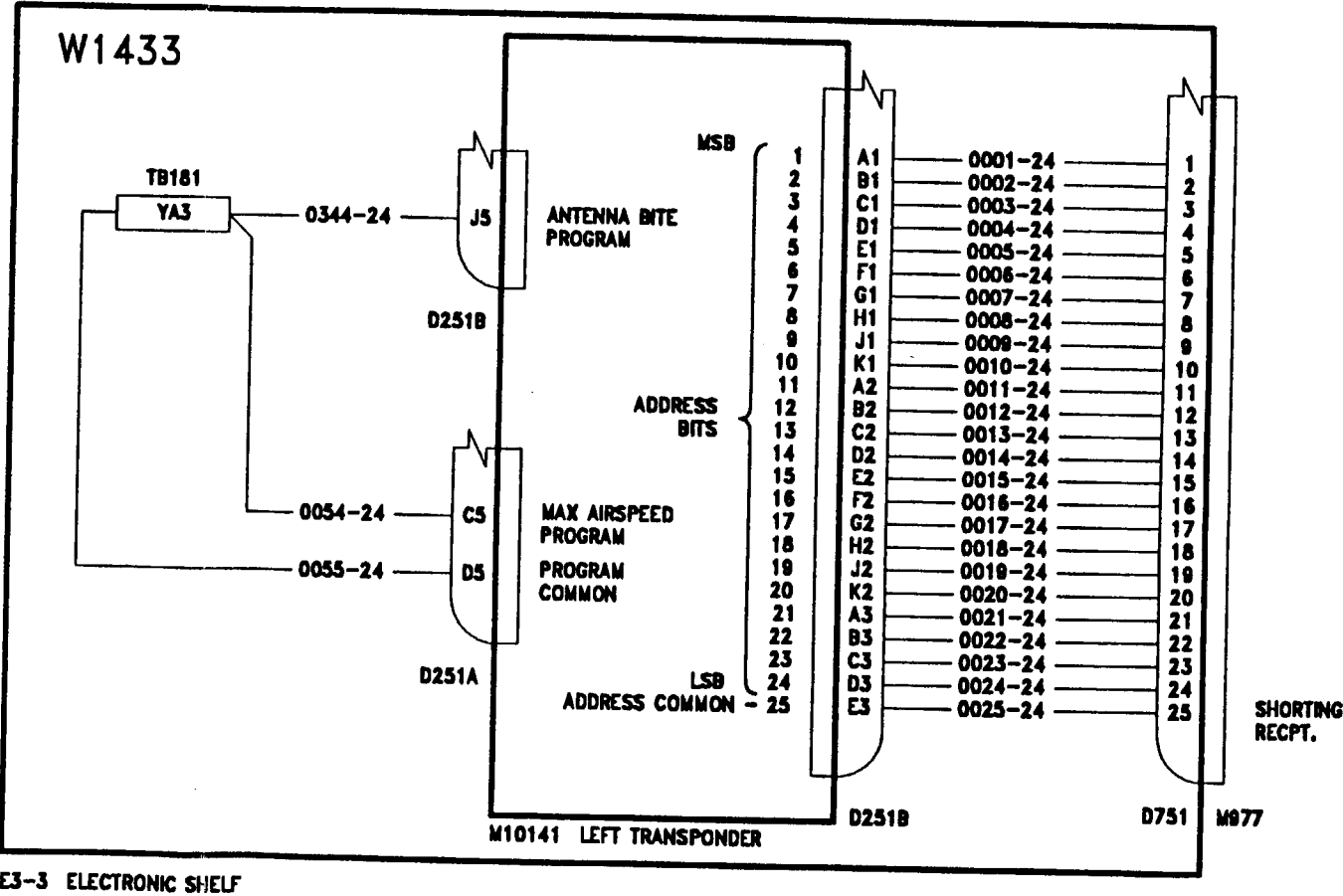
GROUND PROXIMITY
 WARNING SYSTEM
 SIGNAL

34-46-12
 PAGE 1
 SHEET 2

34-46-12
 PAGE 1
 SHEET 2

BOEING 757 **BAB WIRING DIAGRAM MANUAL**

ADDRESS BIT				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
MOD NO.	AIRCRAFT	VAR. No.	CODE OCTAL	D251E																							
				A1	B1	C1	D1	E1	F1	G1	H1	J1	K1	A2	B2	C2	D2	E2	F2	G2	H2	J2	K2	A3	B3	C3	D3
34G228	G-CPEP	NB322	20003231	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	1	0	0	1



E3-3 ELECTRONIC SHELF

002

MODE S TRANSPONDER - LEFT ADDRESS AND AIRSPEED CODING

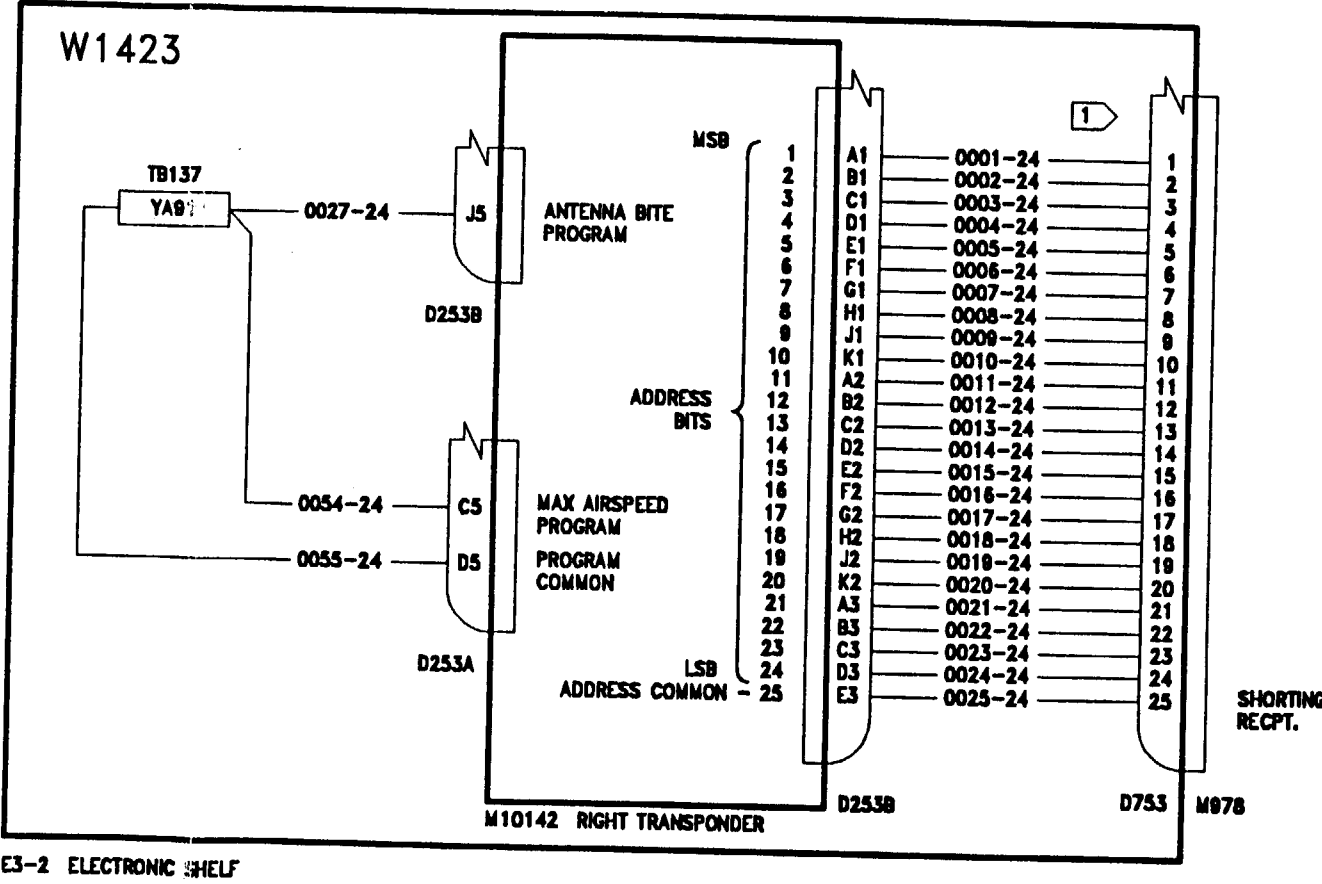
34-53-12
PAGE 1

TEMPORARY REVISION No: 34-757
WDM 8757
MANUAL Ref. 34-53-12 PAGE 1
Reason for Revision 340228
Ref Drawing 104356
TIS WR (34-58 SH)

34-53-12
PAGE 1

BOEING 757 **BAB WIRING DIAGRAM MANUAL**

ADDRESS BIT				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
MOD NO.	AIRCRAFT	VAR. No.	CODE OCTAL	D253B																							
				A1	B1	C1	D1	E1	F1	G1	H1	J1	K1	A2	B2	C2	D2	E2	F2	G2	H2	J2	K2	A3	B3	C3	D3
34G228	G-CPEP	NB322	20003231	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	1	0	0	1



E3-2 ELECTRONIC SHELF

002

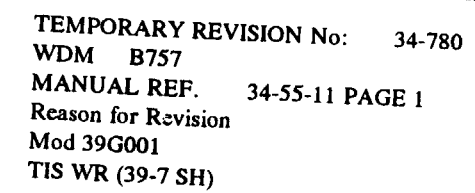
MODE S TRANSPONDER - RIGHT ADDRESS AND AIRSPEED CODING

34-53-22
PAGE 1

TEMPORARY REVISION No: 34-758
WDM 8757
MANUAL Ref. 34-53-22 PAGE 1
Reason for Revision 340228
Ref Drawing 104357
TIS WR (34-58 5H)

34-53-22
PAGE 1

WIRING DIAGRAM MANUAL

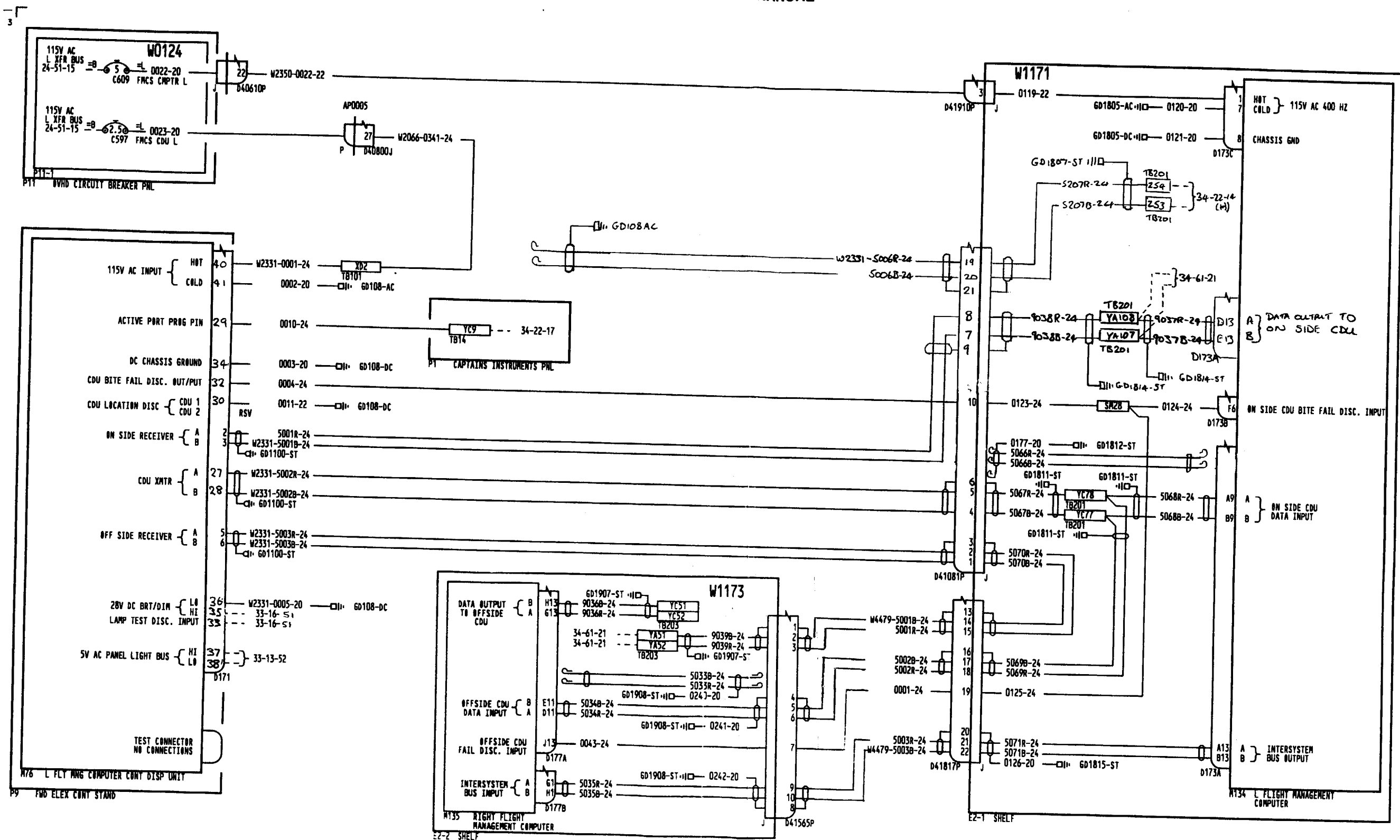


34-55-11
PAGE 1

DME - LEFT

34-55-11
PAGE 1

MANUAL NO: D280N032



TEMPORARY REVISION No: 34-762
 WDM B757
 MANUAL REF. 34-61-11 PAGE 1
 Reason for Revision
 Mod 34D289
 TIS WR (34-64 SH)

LEFT FMC/CDU INTERFACE

34-61-11
 PAGE 1

34-61-11
 PAGE 1

**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

TR Page 1 of 1

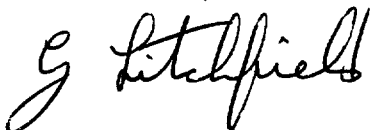
22 July, 1997

B757

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-760

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



For CHIEF ENGINEER QUALITY

Manual Reference 34-61-13 Page 1

REASON FOR REVISION

FMCS flight rules to CAA requirements.

ACTION

Read this TR in conjunction with Boeing pages.

1) Flag note 1 reads:

APPLIES TO NB321, NB322 AND NB329.

2) Wire W1171-0599-22 E2-1 Shelf, is capped and stowed adjacent GD1812-ST. (Mod 34D289)

Originator: H. Wate
Reference: 34D460
Workbook: SH 34-59

34-61-13
Page 1

**ATP
TEMPORARY
REVISION**

BRITISH AIRWAYS
(NB 322)

TR Page 1 of 1
17 September, 1997

B757

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-795

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



For CHIEF ENGINEER QUALITY

Manual Reference 34-61-13 Page 1

REASON FOR REVISION

EFIS display, configured to BA standard.

ACTION

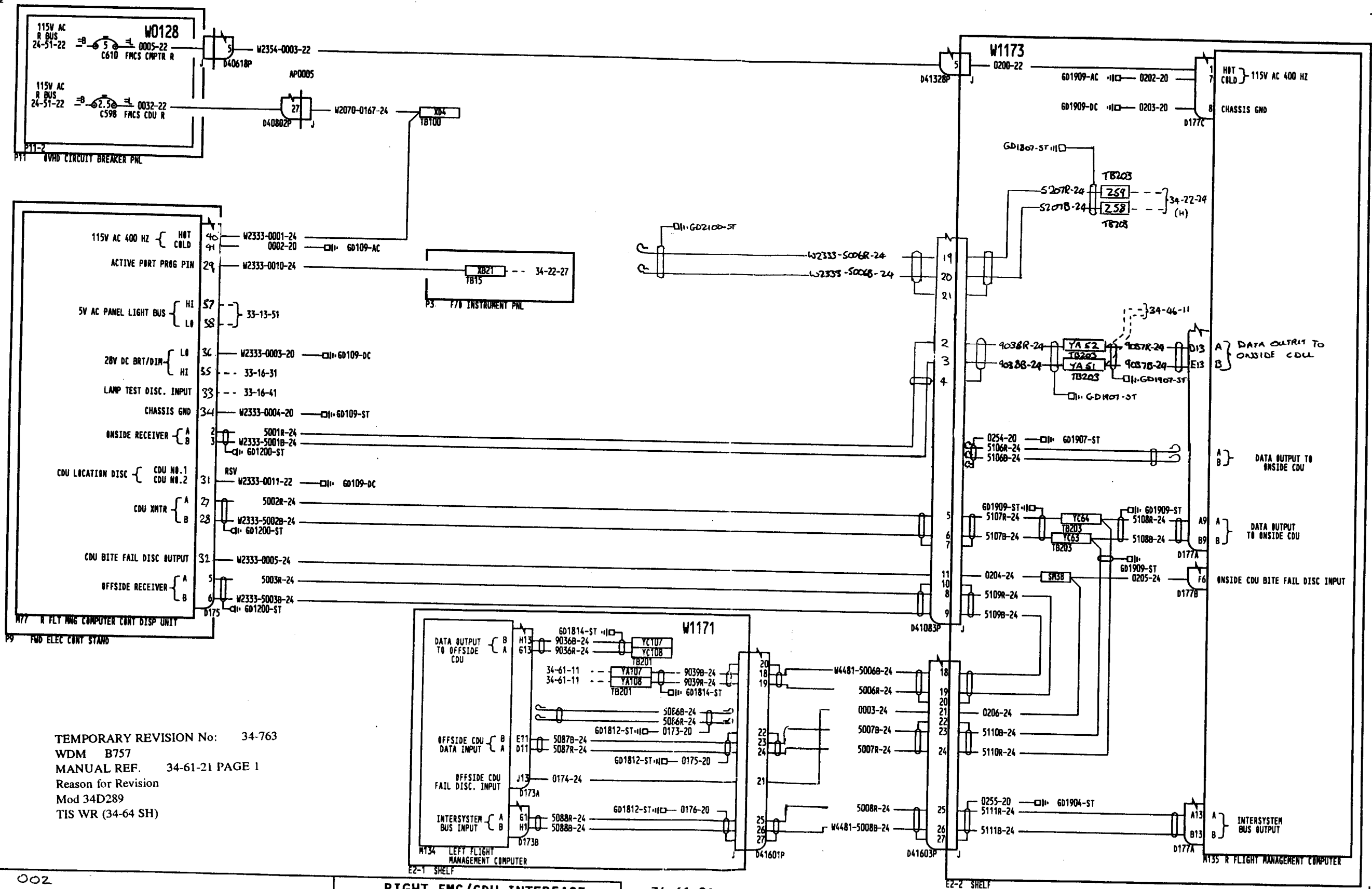
Read this TR in conjunction with Boeing pages. Additional wiring changes below.

Wire W1171-0599-22 is capped and stowed adjacent GD1812-ST.

Originator: A. Graham
Reference: 34G227
Workbook: SH 34-67

34-61-13
Page 1

-A
2



TEMPORARY REVISION No: 34-763
WDM B757
MANUAL REF. 34-61-21 PAGE 1
Reason for Revision
Mod 34D289
TIS WR (34-64 SH)

RIGHT FMC/CDU INTERFACE

34-61-21
PAGE 1

34-61-21
PAGE 1

**ATP
TEMPORARY
REVISION**

**BRITISH AIRWAYS
(NB 322)**

TR Page 1 of 1

22 July, 1997

B757

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-761

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

Manual Reference 34-61-23 Page 1

REASON FOR REVISION

FMCS flight rules to CAA requirements.

ACTION

Read this TR in conjunction with Boeing pages.

1) Flag note 1 reads:

APPLIES TO NB321, NB322 AND NB329.

2) Wire W1173-0599-22 E2-2 Shelf, is capped and stowed adjacent GD1902-ST. (Mod 34D289)

Originator: H. Wate
Reference: 34D460
Workbook: SH 34-59

34-61-23
Page 1

**ATP
TEMPORARY
REVISION**

BRITISH AIRWAYS
(NB 322)
B757

TR Page 1 of 1
17 September, 1997

WIRING DAIAGRAM MANUAL

TEMPORARY REVISION No. 34-794

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



For CHIEF ENGINEER QUALITY

Manual Reference 34-61-23 Page 1

REASON FOR REVISION

EFIS display, configured to BA standard.

ACTION

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

Wire W1173-0599-22 is capped and stowed adjacent GD1902-ST.

Originator: A. Graham
Reference: 34G227
Workbook: SH 34-67

34-61-23
Page 1

CHAPTER

34

NAVIGATION



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
34-EFFECTIVE PAGES					34-12-62				
		1 thru 4		Oct 09/2008			1		Jan 21/2005
34-CONTENTS							1.1		Dec 18/2007
R		1		Oct 09/2008			1.2		Dec 18/2007
R		2		Oct 09/2008	34-13-11				
R		3		Oct 09/2008			1		Jan 21/2005
R		4		Oct 09/2008			1.1		Jan 21/2005
R		5		Oct 09/2008			2		Jan 21/2005
O		6		Oct 09/2008			2.1		Jan 21/2005
		7		Dec 18/2007	34-13-21				
		8		Dec 18/2007			1		Jan 21/2005
		9		Dec 18/2007			1.1		Jan 21/2005
R		10		Oct 09/2008	34-16-11				
R		11		Oct 09/2008			1		Jan 21/2005
R		12		Oct 09/2008			1.1		Dec 18/2007
34-ALPHABETICAL INDEX							1.2		Dec 18/2007
		1		Jan 21/2005	34-21-11				
R		2		Oct 09/2008			1		Jan 21/2005
		3		Dec 18/2007	R		1.1		Oct 09/2008
		4		BLANK	R		1.2		Oct 09/2008
34-12-11					34-21-21				
		1		Jan 21/2005			1		Jan 21/2005
		2		Jan 21/2005	R		1.1		Oct 09/2008
34-12-12					A		1.2		Oct 09/2008
		1		Jan 21/2005			2		Jan 21/2005
		1.1		Jan 21/2005	R		2.1		Oct 09/2008
R		1.2		Oct 09/2008	34-21-31				
R		1.3		Oct 09/2008			1		Jan 21/2005
		2		Jan 21/2005	A		1.1		Oct 09/2008
		2.1		Jan 21/2005			2		Jan 21/2005
		3		Jan 21/2005	R		2.1		Oct 09/2008
		3.1		Jan 21/2005	34-22-14				
		4		Jan 21/2005			1		Jan 21/2005
		4.1		Dec 18/2007			1.1		Jan 21/2005
34-12-21							1.2		Jan 21/2005
		1		Jan 21/2005			2		Jan 21/2005
		2		Jan 21/2005			2.1		Dec 18/2007
34-12-22					34-22-15				
		1		Jan 21/2005			1		Jan 21/2005
		1.1		Dec 18/2007	34-22-16				
		1.2		Dec 18/2007			1		Jan 21/2005
		1.3		Dec 18/2007			2		Jan 21/2005
		2		Jan 21/2005			2.1		Jan 21/2005
		2.1		Dec 18/2007			3		Jan 21/2005
		3		Jan 21/2005			4		Jan 21/2005
		3.1		Dec 18/2007			5		Jan 21/2005
		4		Jan 21/2005			5.1		Jan 21/2005
		4.1		Dec 18/2007			6		Jan 21/2005
34-12-61							6.1		Jan 21/2005
		1		Jan 21/2005			7		Jan 21/2005
		1.1		Dec 18/2007			7.1		Dec 18/2007
		1.2		Dec 18/2007					

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

34-EFFECTIVE PAGES

Page 1
Oct 09/2008

D280N032



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
R	34-22-17	1		Jan 21/2005	34-22-29 (cont.)	1.1			Aug 01/2005
		1.1		Jan 21/2005		2			Aug 01/2005
		2		Jan 21/2005		3			Aug 01/2005
		3		Jan 21/2005		3.1			Dec 18/2007
		3.1		Oct 09/2008	34-22-34		1		Jan 21/2005
	34-22-18	1		Aug 01/2005					
		1.1		Aug 01/2005	34-22-35		1		Jan 21/2005
		2		Aug 01/2005					
		2.1		Dec 18/2007	34-22-36		1		Jan 21/2005
	34-22-19						2		Jan 21/2005
		1		Aug 01/2005			2.1		Jan 21/2005
		1.1		Aug 01/2005			3		Jan 21/2005
		1.2		Aug 01/2005			4		Jan 21/2005
		2		Aug 01/2005			5		Jan 21/2005
		2.1		Aug 01/2005			5.1		Jan 21/2005
		3		Aug 01/2005			6		Jan 21/2005
		3.1		Aug 01/2005			6.1		Jan 21/2005
		4		Aug 01/2005			7		Jan 21/2005
	34-22-24	4.1		Dec 18/2007			7.1		Dec 18/2007
					34-22-37		1		Jan 21/2005
		1		Jan 21/2005			1.1		Jan 21/2005
		1.1		Jan 21/2005			2		Jan 21/2005
		1.2		Jan 21/2005	R 34-22-38		2.1		Oct 09/2008
	34-22-25	2		Jan 21/2005			1		Aug 01/2005
							1.1		Aug 01/2005
	34-22-26						2		Aug 01/2005
		1		Jan 21/2005			2.1		Dec 18/2007
	34-22-27	2		Jan 21/2005	34-22-39				
		1		Jan 21/2005			1		Aug 01/2005
		2		Jan 21/2005			1.1		Aug 01/2005
		2.1		Jan 21/2005			2		Aug 01/2005
		3		Jan 21/2005			3		Aug 01/2005
		4		Jan 21/2005			4		Aug 01/2005
		5		Jan 21/2005			4.1		Dec 18/2007
		5.1		Jan 21/2005	34-22-81				
		6		Jan 21/2005			1		Jan 21/2005
		6.1		Jan 21/2005	34-22-82				
		7		Jan 21/2005			1		Jan 21/2005
	34-22-28	7.1		Dec 18/2007	34-22-83		2		Jan 21/2005
		1		Jan 21/2005	34-22-91		1		Jan 21/2005
R	34-22-29	1.1		Jan 21/2005					
		1.2		Oct 09/2008	34-22-92		1		Jan 21/2005
		1		Aug 01/2005	34-22-93		1		Jan 21/2005
	34-22-29	1.1		Aug 01/2005			2		Dec 18/2007
		2		Aug 01/2005					
		2.1		Dec 18/2007					
							1		Jan 21/2005

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

34-EFFECTIVE PAGES

D280N032

Page 2
Oct 09/2008



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
34-24-11		1		Jan 21/2005	34-43-14		1.1		Jan 21/2005
		2		Jan 21/2005	34-43-15		1.1		Jan 21/2005
		2.1		Dec 18/2007	34-45-01		1		Jan 21/2005
34-25-11		1		Jan 21/2005			1.1		Jan 21/2005
		1.1		Jan 21/2005			1.2		Jan 21/2005
		2.1		Jan 21/2005			2		Jan 21/2005
		3		Jan 21/2005			3		Jan 21/2005
34-25-12		1.1		Jan 21/2005	34-45-02		1		Jan 21/2005
34-25-13		1.1		Jan 21/2005			1.1		Jan 21/2005
34-31-11		1		May 17/2006			2		Jan 21/2005
		2		Dec 18/2007			3		Jan 21/2005
		2.1		Dec 18/2007	34-46-11		1		Jan 21/2005
34-31-21		1		May 17/2006			1.1	1	Jan 21/2005
		2		May 17/2006				2	Jan 21/2005
		2.1		Dec 18/2007			2		Jan 21/2005
34-31-31		1		May 17/2006			3		Jan 21/2005
		1.1		May 17/2006	34-46-12		1		Jan 21/2005
		2		May 17/2006			1.1		Jan 21/2005
		2.1		Dec 18/2007			1.2	1	Jan 21/2005
34-32-11		1		Jan 21/2005				2	Jan 21/2005
		2		Jan 21/2005			2		Jan 21/2005
34-33-11		1		Dec 18/2007			3		Jan 21/2005
		1.1		Dec 18/2007			3.1		Dec 18/2007
		2		Dec 18/2007	34-46-13		1.1		Jan 21/2005
		3		Dec 18/2007			2		Jan 21/2005
34-33-21		1		Jan 21/2005	34-46-14		1.1		Jan 21/2005
		1.1		Jan 21/2005	34-51-11		1		Jan 21/2005
		2		Jan 21/2005			2		Jan 21/2005
34-33-31		1		Jan 21/2005	34-51-21		1		Jan 21/2005
		2		Jan 21/2005			2		Jan 21/2005
34-43-11		1		Jan 21/2005	34-53-11		1		Jan 21/2005
		1.1		Jan 21/2005			1.1		Jan 21/2005
		2		Jan 21/2005			2		Jan 21/2005
34-43-12		1		Jan 21/2005			3		Jan 21/2005
		2		Jan 21/2005	34-53-12		1		Jan 21/2005
		2.1		Jan 21/2005			2		Jan 21/2005
		3		Jan 21/2005	34-53-21		1		Jan 21/2005
		4		Jan 21/2005			1.1		Jan 21/2005
							2		Jan 21/2005

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

34-EFFECTIVE PAGES

Page 3
Oct 09/2008

D280N032

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
34-53-21 (cont.)		2.1	Jan 21/2005		34-61-14 (cont.)		1.2	Jan 21/2005	
		3	Jan 21/2005				2	Jan 21/2005	
		3.1	Jan 21/2005				2.1	Jan 21/2005	
34-53-22							3	Jan 21/2005	
		1	Jan 21/2005				3.1	Dec 18/2007	
		2	Jan 21/2005		34-61-15				
34-55-11							1	Jan 21/2005	
		1	Jan 21/2005				1.1	Jan 21/2005	
		1.1	Jan 21/2005				2	Jan 21/2005	
		2	Jan 21/2005				2.1	Jan 21/2005	
		3	Jan 21/2005				3	Jan 21/2005	
34-55-21							3.1	Dec 18/2007	
		1	Jan 21/2005		34-61-16	R			
		1.1	Jan 21/2005				1.1	Oct 09/2008	
		2	Jan 21/2005		34-61-18				
34-57-11							1.1	Dec 18/2007	
		1	Jan 21/2005		34-61-21				
		2	Jan 21/2005				1	Dec 18/2007	
		3	Jan 21/2005				2	Jan 21/2005	
		4	Jan 21/2005				2.1	Dec 18/2007	
		5	Jan 21/2005		34-61-22				
34-57-21							1	Jan 21/2005	
		1	Jan 21/2005				2	Jan 21/2005	
		2	Jan 21/2005				2.1	Dec 18/2007	
		3	Jan 21/2005		34-61-23				
		4	Jan 21/2005				1	Jan 21/2005	
		5	Jan 21/2005				2	Jan 21/2005	
34-58-11							3	Jan 21/2005	
R		1.1	Oct 09/2008				4	Jan 21/2005	
R		2.1	Oct 09/2008				5	Jan 21/2005	
34-58-21							5.1	Dec 18/2007	
R		1.1	Oct 09/2008		34-61-24				
R		2.1	Oct 09/2008				1	Jan 21/2005	
34-61-11							1.1	Jan 21/2005	
		1	Jan 21/2005				2	Jan 21/2005	
		2	Jan 21/2005				3	Jan 21/2005	
		2.1	Dec 18/2007				3.1	Dec 18/2007	
34-61-12					34-61-25				
		1	Jan 21/2005				1	Jan 21/2005	
		2	Jan 21/2005				1.1	Jan 21/2005	
		2.1	Dec 18/2007				1.2	Jan 21/2005	
34-61-13							2	Jan 21/2005	
		1	May 17/2006				2.1	Dec 18/2007	
		2	May 17/2006		34-61-26	R			
		3	May 17/2006				1.1	Oct 09/2008	
		4	Jan 21/2005						
		5	Jan 21/2005						
		5.1	Dec 18/2007						
34-61-14									
		1	Jan 21/2005						
		1.1	Jan 21/2005						

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

34-EFFECTIVE PAGES

D280N032

Page 4
Oct 09/2008



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
AIR DATA COMPUTING SYSTEM						
AIR DATA - LEFT	34-12-11		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
ADC OUTPUTS AND DISCRETE INPUTS - LEFT	34-12-12		1		Jan 21/2005	001-008 010
			1.1		Jan 21/2005	001
			1.2		Oct 09/2008	002
			1.3		Oct 09/2008	003-008 010
			2		Jan 21/2005	009
			2.1		Jan 21/2005	009
			3		Jan 21/2005	011-099
			3.1		Jan 21/2005	011
			4		Jan 21/2005	115-199
			4.1		Dec 18/2007	115
AIR DATA - RIGHT	34-12-21		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
ADC OUTPUTS AND DISCRETE INPUTS - RIGHT	34-12-22		1		Jan 21/2005	001-008 010
			1.1		Dec 18/2007	001
			1.2		Dec 18/2007	002
			1.3		Dec 18/2007	003-008 010
			2		Jan 21/2005	009
			2.1		Dec 18/2007	009
			3		Jan 21/2005	011-099
			3.1		Dec 18/2007	011
			4		Jan 21/2005	115-199
			4.1		Dec 18/2007	115
ADC SWITCHING - LEFT	34-12-61		1		Jan 21/2005	ALL
			1.1		Dec 18/2007	001-011
			1.2		Dec 18/2007	115
ADC SWITCHING - RIGHT	34-12-62		1		Jan 21/2005	ALL
			1.1		Dec 18/2007	001-011
			1.2		Dec 18/2007	115

34-CONTENTS

Page 1
Oct 09/2008

D280N032



757-200
WIRING DIAGRAM MANUAL

CHAPTER 34
NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<u>AIR DATA INSTRUMENTS</u>						
AIR DATA INSTRUMENTS - LEFT	34-13-11		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	001-011
			2		Jan 21/2005	115-199
			2.1		Jan 21/2005	115
AIR DATA INSTRUMENTS - RIGHT	34-13-21		1		Jan 21/2005	ALL
			1.1		Jan 21/2005	001-115
<u>ALTITUDE ALERT SYSTEM</u>						
ALTITUDE ALERT	34-16-11		1		Jan 21/2005	ALL
			1.1		Dec 18/2007	001-011
			1.2		Dec 18/2007	115
<u>INERTIAL REFERENCE SYSTEM</u>						
IRS - LEFT POWER AND CONTROL	34-21-11		1		Jan 21/2005	ALL
			1.1		Oct 09/2008	001-011
			1.2		Oct 09/2008	115
IRS - RIGHT POWER AND CONTROL	34-21-21		1		Jan 21/2005	001-099
			1.1		Oct 09/2008	001 003-011
			1.2		Oct 09/2008	002
			2		Jan 21/2005	115-199
			2.1		Oct 09/2008	115
IRS - CENTER POWER AND CONTROL	34-21-31		1		Jan 21/2005	001-099
			1.1		Oct 09/2008	001-011
			2		Jan 21/2005	115-199
			2.1		Oct 09/2008	115
<u>FLIGHT INSTRUMENT SYSTEM</u>						
EFIS SG/CP/EADI DU INTERFACE - LEFT	34-22-14		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	002
			1.2		Jan 21/2005	010-011
			2		Jan 21/2005	115-199

34-CONTENTS

Page 2
Oct 09/2008

D280N032



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
EFIS SG/CP/EADI DU INTERFACE - LEFT (cont.)	34-22-14		2.1		Dec 18/2007	115
EFIS SG/CP/EHSI DU INTERFACE - CHANNEL LEFT	34-22-15		1		Jan 21/2005	ALL
EFIS POWER/LIGHTING/ PROGRAM PINS - LEFT	34-22-16		1		Jan 21/2005	001
			2		Jan 21/2005	002
			2.1		Jan 21/2005	002
			3		Jan 21/2005	003-006
			4		Jan 21/2005	007-008
CFIS POWER/LIGHTING/ PROGRAM PINS - LEFT	34-22-16		5		Jan 21/2005	009
EFIS POWER/LIGHTING/ PROGRAM PINS - LEFT	34-22-16		5.1		Jan 21/2005	009
			6		Jan 21/2005	010-099
			6.1		Jan 21/2005	010-011
			7		Jan 21/2005	115-199
			7.1		Dec 18/2007	115
EFIS INSTRUMENT SWITCHING INTERFACE - LEFT	34-22-17		1		Jan 21/2005	001-008 010-099
			1.1		Jan 21/2005	002
			2		Jan 21/2005	009
			3		Jan 21/2005	115-199
			3.1		Oct 09/2008	115
EFIS SENSOR "A" INTERFACE - LEFT	34-22-18		1		Aug 01/2005	001-099
			1.1		Aug 01/2005	002
			2		Aug 01/2005	115-199
			2.1		Dec 18/2007	115
EFIS SENSOR "B" INTERFACE - LEFT	34-22-19		1		Aug 01/2005	001-002
			1.1		Aug 01/2005	001
			1.2		Aug 01/2005	002
			2		Aug 01/2005	003-008 010-099
			2.1		Aug 01/2005	003-008 010-011

34-CONTENTS

Page 3
Oct 09/2008

D280N032



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
EFIS SENSOR "B" INTERFACE - LEFT (cont.)	34-22-19		3		Aug 01/2005	009
			3.1		Aug 01/2005	009
			4		Aug 01/2005	115-199
			4.1		Dec 18/2007	115
EFIS SG/CP/EADI DU INTERFACE - RIGHT	34-22-24		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	002
			1.2		Jan 21/2005	010-011
			2		Jan 21/2005	115-199
EFIS SG/CP/EHSI DU INTERFACE - RIGHT	34-22-25		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
EFIS POWER/LIGHTING/ PROGRAM PINS - RIGHT	34-22-26		1		Jan 21/2005	001
			2		Jan 21/2005	002
			2.1		Jan 21/2005	002
			3		Jan 21/2005	003-006
			4		Jan 21/2005	007-008
			5		Jan 21/2005	009
			5.1		Jan 21/2005	009
			6		Jan 21/2005	010-099
			6.1		Jan 21/2005	010-011
			7		Jan 21/2005	115-199
			7.1		Dec 18/2007	115
EFIS INSTRUMENT SWITCHING	34-22-27		1		Jan 21/2005	ALL
			1.1		Jan 21/2005	010-011
			1.2		Oct 09/2008	115
EFIS SENSOR "A" INTERFACE - RIGHT	34-22-28		1		Aug 01/2005	001-099
			1.1		Aug 01/2005	002
			2		Aug 01/2005	115-199
			2.1		Dec 18/2007	115
EFIS SENSOR "B" INTERFACE - RIGHT	34-22-29		1		Aug 01/2005	001-002

34-CONTENTS

Page 4
Oct 09/2008

D280N032



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
EFIS SENSOR "B" INTERFACE - RIGHT (cont.)	34-22-29		1.1		Aug 01/2005	002
			2		Aug 01/2005	003-099
			3		Aug 01/2005	115-199
			3.1		Dec 18/2007	115
EFIS SG/CP/F/O INTERFACE - CENTER	34-22-34		1		Jan 21/2005	ALL
EFIS SG/CP/CAPT DU INTERFACE CHANNEL - CENTER	34-22-35		1		Jan 21/2005	ALL
EFIS POWER/LIGHTING/ PROGRAM PINS - CENTER	34-22-36		1		Jan 21/2005	001
			2		Jan 21/2005	002
			2.1		Jan 21/2005	002
			3		Jan 21/2005	003-006
			4		Jan 21/2005	007-008
			5		Jan 21/2005	009
			5.1		Jan 21/2005	009
			6		Jan 21/2005	010-099
			6.1		Jan 21/2005	010-011
			7		Jan 21/2005	115-199
			7.1		Dec 18/2007	115
EFIS INSTRUMENT SWITCHING - CENTER	34-22-37		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	002
			2		Jan 21/2005	115-199
EFIS SENSOR "A" INTERFACE - CENTER	34-22-38		2.1		Oct 09/2008	115
			1		Aug 01/2005	001-099
			1.1		Aug 01/2005	002
			2		Aug 01/2005	115-199
EFIS SENSOR "B" INTERFACE - CENTER	34-22-39		2.1		Dec 18/2007	115
			1		Aug 01/2005	001-002
			1.1		Aug 01/2005	002
			2		Aug 01/2005	003-008 010-099

34-CONTENTS

Page 5
Oct 09/2008

D280N032



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
EFIS SENSOR "B" INTERFACE - CENTER (cont.)	34-22-39		3		Aug 01/2005	009
			4		Aug 01/2005	115-199
			4.1		Dec 18/2007	115
RADIO DISTANCE MAGNETIC INDICATOR - LEFT	34-22-81		1		Jan 21/2005	001-099
VERTICAL SPEED INDICATOR - LEFT	34-22-82		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
RADIO MAGNETIC INDICATOR AND ANNUNCIATION - LEFT	34-22-83		1		Jan 21/2005	115-199
RADIO DISTANCE MAGNETIC INDICATOR - RIGHT	34-22-91		1		Jan 21/2005	001-099
VERTICAL SPEED INDICATOR - RIGHT	34-22-92		1		Jan 21/2005	001-099
			2		Dec 18/2007	115-199
RADIO MAGNETIC INDICATOR AND ANNUNCIATION - RIGHT	34-22-93		1		Jan 21/2005	115-199
<u>STANDBY ATTITUDE REFERENCE SYSTEM</u>						
STANDBY ATTITUDE/ILS INDICATOR	34-24-11		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
			2.1		Dec 18/2007	115
<u>INSTRUMENT COMPARISON SYSTEM</u>						
INSTRUMENT COMPARATOR UNIT	34-25-11		1		Jan 21/2005	001 003-099
			1.1		Jan 21/2005	010-011
			2.1		Jan 21/2005	002
			3		Jan 21/2005	115-199
EFIS ATTITUDE COMPARISON INTERFACE - CROSS TIE BUSSES	34-25-12		1.1		Jan 21/2005	002
EFIS ATTITUDE COMPARISON INTERFACE - RELAY OUTPUT TO EICAS	34-25-13		1.1		Jan 21/2005	002

34-CONTENTS

Page 6
Oct 09/2008

D280N032



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<u>ILS NAVIGATION SYSTEM</u>						
ILS - LEFT	34-31-11		1		May 17/2006	001-099
			2		Dec 18/2007	115-199
			2.1		Dec 18/2007	115
ILS - RIGHT	34-31-21		1		May 17/2006	001-099
			2		May 17/2006	115-199
			2.1		Dec 18/2007	115
ILS - CENTER	34-31-31		1		May 17/2006	001-099
			1.1		May 17/2006	001-002
			2		May 17/2006	115-199
			2.1		Dec 18/2007	115
<u>MARKER BEACON SYSTEM</u>						
MARKER BEACON	34-32-11		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
<u>RADIO ALTIMETER SYSTEM</u>						
RADIO ALTIMETER - LEFT	34-33-11		1		Dec 18/2007	001-008 010-099
			1.1		Dec 18/2007	002
			2		Dec 18/2007	009
			3		Dec 18/2007	115-199
RADIO ALTIMETER - RIGHT	34-33-21		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	002
			2		Jan 21/2005	115-199
RADIO ALTIMETER - CENTER	34-33-31		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
<u>WEATHER RADAR SYSTEM</u>						
WEATHER RADAR INTERFACE - LEFT	34-43-11		1		Jan 21/2005	001-099
WEATHER RADAR - LEFT	34-43-11		1.1		Jan 21/2005	002
WEATHER RADAR INTERFACE - LEFT	34-43-11		2		Jan 21/2005	115-199
WEATHER RADAR CONTROL	34-43-12		1		Jan 21/2005	001
			2		Jan 21/2005	002-008 010-099

34-CONTENTS

Page 7
Dec 18/2007

D280N032

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
WEATHER RADAR CONTROL - LEFT	34-43-12		2.1		Jan 21/2005	002
WEATHER RADAR CONTROL	34-43-12		3		Jan 21/2005	009
			4		Jan 21/2005	115-199
WXR - PREDICTIVE WINDSHEAR	34-43-14		1.1		Jan 21/2005	002
WEATHER RADAR INTERFACE LEFT CONTROL INPUT AND OUTPUT	34-43-15		1.1		Jan 21/2005	002
<u>TRAFFIC ALERT AND COLLISION AVOIDANCE SYSTEM (TCAS)</u>						
TCAS - POWER AND DISPLAY	34-45-01		1		Jan 21/2005	001-002
			1.1		Jan 21/2005	001
			1.2		Jan 21/2005	002
			2		Jan 21/2005	003-099
			3		Jan 21/2005	115-199
TCAS - ANTENNA/ INTERFACE	34-45-02		1		Jan 21/2005	001-008
			1.1		Jan 21/2005	002
			2		Jan 21/2005	009-099
			3		Jan 21/2005	115-199
<u>GROUND PROXIMITY WARNING SYSTEM</u>						
GROUND PROXIMITY WARNING SYSTEM - POWER AND WARNING	34-46-11		1		Jan 21/2005	001-008
GROUND PROXIMITY WARNING SYSTEM	34-46-11		1.1	1	Jan 21/2005	002
				2	Jan 21/2005	002
GROUND PROXIMITY WARNING SYSTEM - POWER AND WARNING	34-46-11		2		Jan 21/2005	009-099
			3		Jan 21/2005	115-199
GROUND PROXIMITY WARNING SYSTEM - SIGNAL	34-46-12		1		Jan 21/2005	001-008 010-099
			1.1		Jan 21/2005	001
			1.2	1	Jan 21/2005	002
				2	Jan 21/2005	002

34-CONTENTS

Page 8

Dec 18/2007

D280N032

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
GROUND PROXIMITY WARNING SYSTEM - SIGNAL (cont.)	34-46-12		2		Jan 21/2005	009
			3		Jan 21/2005	115-199
			3.1		Dec 18/2007	115
GROUND PROXIMITY WARNING SYSTEM - PROGRAM PINS	34-46-13		1.1		Jan 21/2005	002
			2		Jan 21/2005	009-099
ENHANCED GROUND PROXIMITY WARNING SIGNAL	34-46-14		1.1		Jan 21/2005	002
<u>VOR SYSTEM</u>						
VOR - LEFT	34-51-11		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
VOR - RIGHT	34-51-21		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
<u>ATC SYSTEM</u>						
MODE S TRANSPONDER - LEFT	34-53-11		1		Jan 21/2005	001-002
TRANSPONDER SYSTEM - LEFT	34-53-11		1.1		Jan 21/2005	001-002
MODE S TRANSPONDER - LEFT	34-53-11		2		Jan 21/2005	003-099
			3		Jan 21/2005	115-199
MODE S TRANSPONDER - LEFT ADDRESS AND AIRSPEED CODING	34-53-12		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
MODE S TRANSPONDER - RIGHT	34-53-21		1		Jan 21/2005	001-002
TRANSPONDER SYSTEM - RIGHT	34-53-21		1.1		Jan 21/2005	001-002
			2		Jan 21/2005	003-099
			2.1		Jan 21/2005	003-011
MODE S TRANSPONDER - RIGHT	34-53-21		3		Jan 21/2005	115-199
TRANSPONDER SYSTEM - RIGHT	34-53-21		3.1		Jan 21/2005	115

34-CONTENTS

Page 9
Dec 18/2007

D280N032

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
MODE S TRANSPONDER - RIGHT ADDRESS AND AIRSPEED CODING	34-53-22		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
<u>DME SYSTEM</u>						
DME - LEFT	34-55-11		1		Jan 21/2005	001-002
			1.1		Jan 21/2005	001-002
			2		Jan 21/2005	003-099
			3		Jan 21/2005	115-199
DME - RIGHT	34-55-21		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	001-002
			2		Jan 21/2005	115-199
<u>AUTOMATIC DIRECTION FINDER SYSTEM</u>						
ADF - LEFT	34-57-11		1		Jan 21/2005	001
			2		Jan 21/2005	002
			3		Jan 21/2005	003-008 010-099
			4		Jan 21/2005	009
			5		Jan 21/2005	115-199
ADF - RIGHT	34-57-21		1		Jan 21/2005	001
			2		Jan 21/2005	002-008
			3		Jan 21/2005	009
			4		Jan 21/2005	010-099
			5		Jan 21/2005	115-199
<u>GLOBAL POSITIONING SYSTEM</u>						
I GLOBAL POSITIONING SYSTEM LEFT	34-58-11		1.1		Oct 09/2008	002
I			2.1		Oct 09/2008	115
I GLOBAL POSITIONING SYSTEM RIGHT	34-58-21		1.1		Oct 09/2008	002
I			2.1		Oct 09/2008	115
<u>FLIGHT MANAGEMENT COMPUTER SYSTEM</u>						
LEFT FMC/CDU INTERFACE	34-61-11		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
			2.1		Dec 18/2007	115

34-CONTENTS

Page 10
Oct 09/2008

D280N032



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
LEFT FMC/LEFT NAV/TMC - INPUTS	34-61-12		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
			2.1		Dec 18/2007	115
LEFT FMC/RIGHT NAV/ AUTOTUNE DISCRETE - INPUTS	34-61-13		1		May 17/2006	001-003 005 010
			2		May 17/2006	004 006-008
			3		May 17/2006	009
			4		Jan 21/2005	011-099
			5		Jan 21/2005	115-199
			5.1		Dec 18/2007	115
LEFT FMC/AFDS/MCP/EFIS/ MISC - INPUTS	34-61-14		1		Jan 21/2005	001-010
			1.1		Jan 21/2005	001-002
			1.2		Jan 21/2005	010
			2		Jan 21/2005	011-099
			2.1		Jan 21/2005	011
			3		Jan 21/2005	115-199
LEFT FMC/EFIS/DATA LOADER GENERAL - OUTPUTS	34-61-15		3.1		Dec 18/2007	115
			1		Jan 21/2005	001-008
			1.1		Jan 21/2005	003
			2		Jan 21/2005	009-099
			2.1		Jan 21/2005	010-011
			3		Jan 21/2005	115-199
LEFT - FMS SWITCHING LEFT CDU MISC FUNCTIONS	34-61-16		3.1		Dec 18/2007	115
			1.1		Oct 09/2008	115
FMC SWITCHING EFIS CONTROL PANEL	34-61-18		1.1		Dec 18/2007	115
RIGHT FMC/CDU INTERFACE	34-61-21		1		Dec 18/2007	001-099
			2		Jan 21/2005	115-199
			2.1		Dec 18/2007	115

34-CONTENTS

Page 11
Oct 09/2008

D280N032



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
RIGHT FMC/RIGHT NAV/ TMC - INPUTS	34-61-22		1		Jan 21/2005	001-099
			2		Jan 21/2005	115-199
			2.1		Dec 18/2007	115
RIGHT FMC/LEFT NAV/ AUTOTUNE DISCRETE - INPUTS	34-61-23		1		Jan 21/2005	001-003 005 010
			2		Jan 21/2005	004 006-008
			3		Jan 21/2005	009
			4		Jan 21/2005	011-099
			5		Jan 21/2005	115-199
			5.1		Dec 18/2007	115
RIGHT FMC/AFDS/MCP/ EFIS/ MISC - INPUTS	34-61-24		1		Jan 21/2005	001-010
			1.1		Jan 21/2005	001-002
			2		Jan 21/2005	011-099
			3		Jan 21/2005	115-199
			3.1		Dec 18/2007	115
RIGHT FMC/EFIS/DATA LOADER GENERAL - OUTPUTS	34-61-25		1		Jan 21/2005	001-099
			1.1		Jan 21/2005	002
			1.2		Jan 21/2005	003
			2		Jan 21/2005	115-199
			2.1		Dec 18/2007	115
RIGHT - FMS SWITCHING RIGHT CDU MISC FUNCTIONS	34-61-26		1.1		Oct 09/2008	115

34-CONTENTS

Page 12
Oct 09/2008

D280N032



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

CH-SC-SU	Title
34-12-12	ADC OUTPUTS AND DISCRETE INPUTS - LEFT
34-12-22	ADC OUTPUTS AND DISCRETE INPUTS - RIGHT
34-12-61	ADC SWITCHING - LEFT
34-12-62	ADC SWITCHING - RIGHT
34-57-11	ADF - LEFT
34-57-21	ADF - RIGHT
34-12-11	AIR DATA - LEFT
34-12-21	AIR DATA - RIGHT
34-13-11	AIR DATA INSTRUMENTS - LEFT
34-13-21	AIR DATA INSTRUMENTS - RIGHT
34-16-11	ALTITUDE ALERT
34-55-11	DME - LEFT
34-55-21	DME - RIGHT
34-25-12	EFIS ATTITUDE COMPARISON INTERFACE - CROSS TIE BUSSES
34-25-13	EFIS ATTITUDE COMPARISON INTERFACE - RELAY OUTPUT TO EICAS
34-22-27	EFIS INSTRUMENT SWITCHING
34-22-37	EFIS INSTRUMENT SWITCHING - CENTER
34-22-17	EFIS INSTRUMENT SWITCHING INTERFACE - LEFT
34-22-36	EFIS POWER/LIGHTING/ PROGRAM PINS - CENTER
34-22-16	EFIS POWER/LIGHTING/ PROGRAM PINS - LEFT
34-22-26	EFIS POWER/LIGHTING/ PROGRAM PINS - RIGHT
34-22-38	EFIS SENSOR "A" INTERFACE - CENTER
34-22-18	EFIS SENSOR "A" INTERFACE - LEFT
34-22-28	EFIS SENSOR "A" INTERFACE - RIGHT
34-22-39	EFIS SENSOR "B" INTERFACE - CENTER
34-22-19	EFIS SENSOR "B" INTERFACE - LEFT
34-22-29	EFIS SENSOR "B" INTERFACE - RIGHT
34-22-35	EFIS SG/CP/CAPT DU INTERFACE CHANNEL - CENTER

34-ALPHABETICAL INDEX

D280N032

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

Page 1
Jan 21/2005



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

CH-SC-SU	Title
34-22-14	EFIS SG/CP/EADI DU INTERFACE - LEFT
34-22-24	EFIS SG/CP/EADI DU INTERFACE - RIGHT
34-22-15	EFIS SG/CP/EHSI DU INTERFACE - CHANNEL LEFT
34-22-25	EFIS SG/CP/EHSI DU INTERFACE - RIGHT
34-22-34	EFIS SG/CP/F/O INTERFACE - CENTER
34-46-14	ENHANCED GROUND PROXIMITY WARNING SIGNAL
34-61-18	FMC SWITCHING EFIS CONTROL PANEL
I 34-58-11	GLOBAL POSITIONING SYSTEM LEFT
I 34-58-21	GLOBAL POSITIONING SYSTEM RIGHT
34-46-11	GROUND PROXIMITY WARNING SYSTEM - POWER AND WARNING
34-46-13	GROUND PROXIMITY WARNING SYSTEM - PROGRAM PINS
34-46-12	GROUND PROXIMITY WARNING SYSTEM - SIGNAL
34-31-31	ILS - CENTER
34-31-11	ILS - LEFT
34-31-21	ILS - RIGHT
34-25-11	INSTRUMENT COMPARATOR UNIT
34-21-31	IRS - CENTER POWER AND CONTROL
34-21-11	IRS - LEFT POWER AND CONTROL
34-21-21	IRS - RIGHT POWER AND CONTROL
34-61-16	LEFT - FMS SWITCHING LEFT CDU MISC FUNCTIONS
34-61-14	LEFT FMC/AFDS/MCP/EFIS/ MISC - INPUTS
34-61-11	LEFT FMC/CDU INTERFACE
34-61-15	LEFT FMC/EFIS/DATA LOADER GENERAL - OUTPUTS
34-61-12	LEFT FMC/LEFT NAV/TMC - INPUTS
34-61-13	LEFT FMC/RIGHT NAV/AUTOTUNE DISCRETE - INPUTS
34-32-11	MARKER BEACON
34-53-11	MODE S TRANSPONDER - LEFT
34-53-12	MODE S TRANSPONDER - LEFT ADDRESS AND AIRSPEED CODING

34-ALPHABETICAL INDEX

D280N032

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

Page 2
Oct 09/2008



757-200

WIRING DIAGRAM MANUAL

CHAPTER 34 NAVIGATION

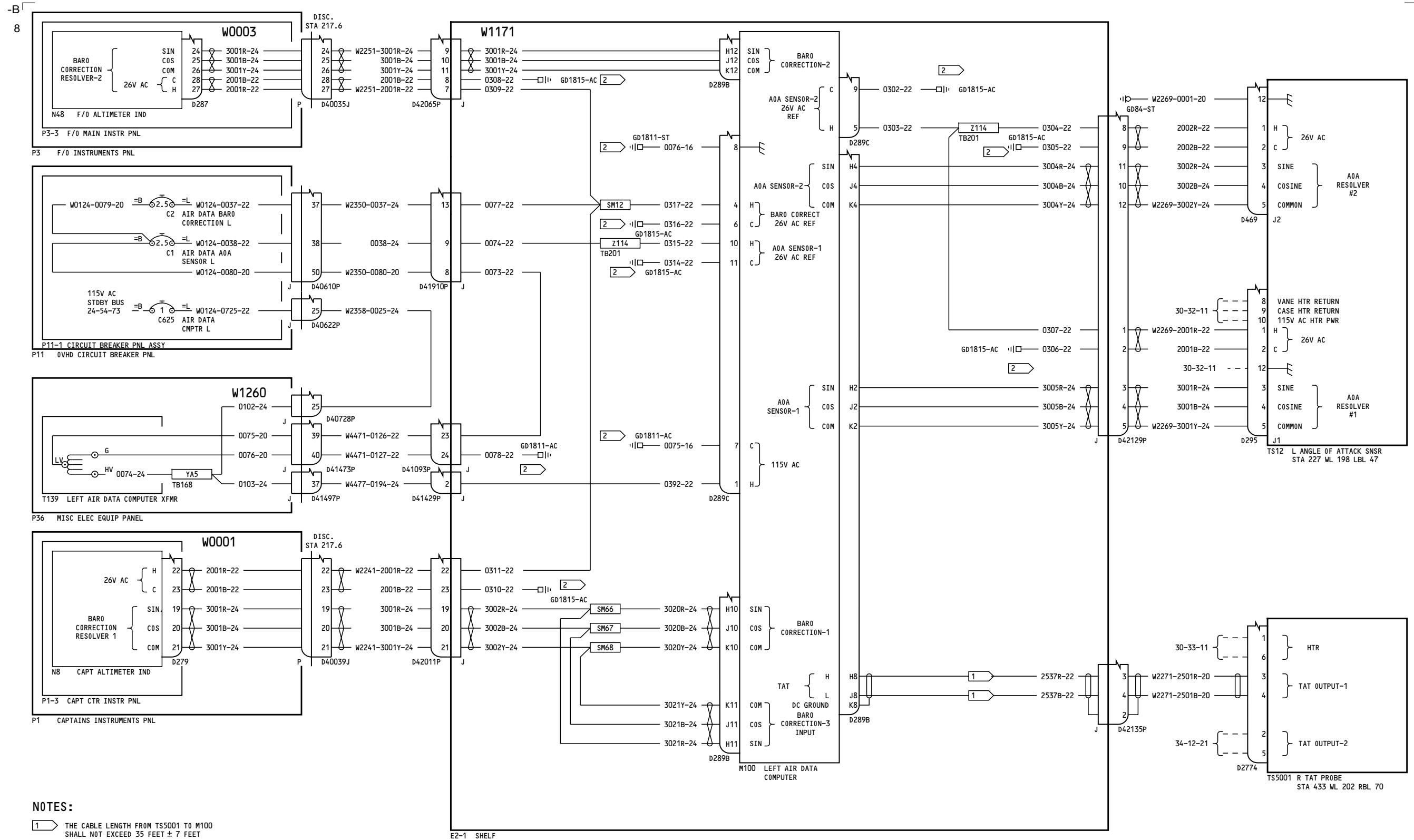
CH-SC-SU	Title
34-53-21	MODE S TRANSPONDER - RIGHT
34-53-22	MODE S TRANSPONDER - RIGHT ADDRESS AND AIRSPEED CODING
34-33-31	RADIO ALTIMETER - CENTER
34-33-11	RADIO ALTIMETER - LEFT
34-33-21	RADIO ALTIMETER - RIGHT
34-22-81	RADIO DISTANCE MAGNETIC INDICATOR - LEFT
34-22-91	RADIO DISTANCE MAGNETIC INDICATOR - RIGHT
34-22-83	RADIO MAGNETIC INDICATOR AND ANNUNCIATION - LEFT
34-22-93	RADIO MAGNETIC INDICATOR AND ANNUNCIATION - RIGHT
34-61-26	RIGHT - FMS SWITCHING RIGHT CDU MISC FUNCTIONS
34-61-24	RIGHT FMC/AFDS/MCP/EFIS/ MISC - INPUTS
34-61-21	RIGHT FMC/CDU INTERFACE
34-61-25	RIGHT FMC/EFIS/DATA LOADER GENERAL - OUTPUTS
34-61-23	RIGHT FMC/LEFT NAV/ AUTOTUNE DISCRETE - INPUTS
34-61-22	RIGHT FMC/RIGHT NAV/TMC - INPUTS
34-24-11	STANDBY ATTITUDE/ILS INDICATOR
34-45-02	TCAS - ANTENNA/INTERFACE
34-45-01	TCAS - POWER AND DISPLAY
34-22-82	VERTICAL SPEED INDICATOR - LEFT
34-22-92	VERTICAL SPEED INDICATOR - RIGHT
34-51-11	VOR - LEFT
34-51-21	VOR - RIGHT
34-43-12	WEATHER RADAR CONTROL
34-43-11	WEATHER RADAR INTERFACE - LEFT
34-43-15	WEATHER RADAR INTERFACE LEFT CONTROL INPUT AND OUTPUT
34-43-14	WXR - PREDICTIVE WINDSHEAR

34-ALPHABETICAL INDEX

D280N032

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

Page 3
Dec 18/2007



NOTES:

- 1 THE CABLE LENGTH FROM TS5001 TO M100 SHALL NOT EXCEED 35 FEET \pm 7 FEET
- 2 SINGLE POINT GROUND REQUIRED

001-099

AIR DATA - LEFT

34-12-11

Page 1

Jan 21/2005

D280N032

34-12-11

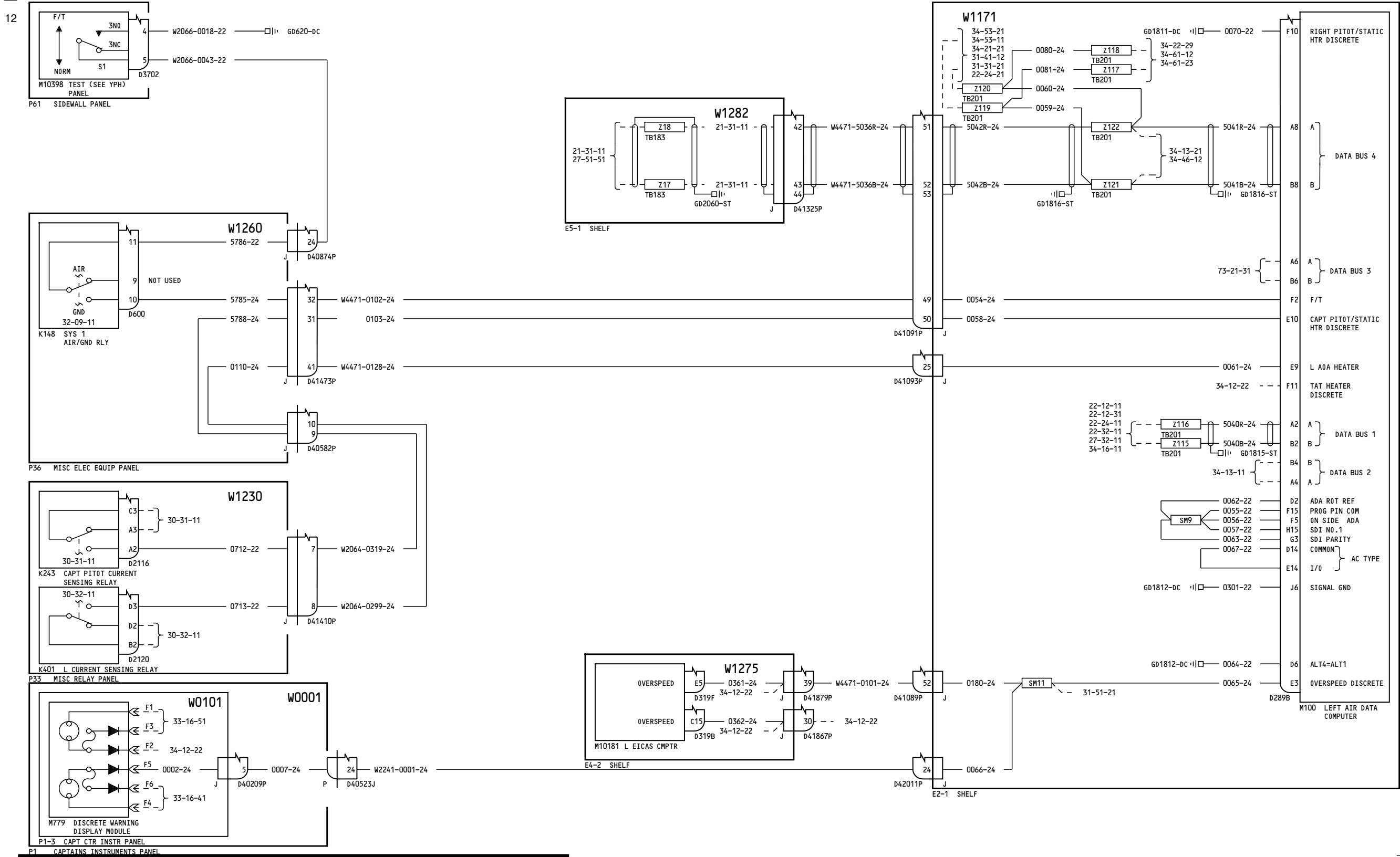
Page 1

Jan 21/2005



1 THE CABLE LENGTH FROM TS5001 TO M100 SHALL NOT EXCEED 35 FEET ± 7 FEET

2 SINGLE POINT GROUND REQUIRED



001-008, 010

ADC OUTPUTS AND
DISCRETE INPUTS - LEFT

34-12-12

Page 1

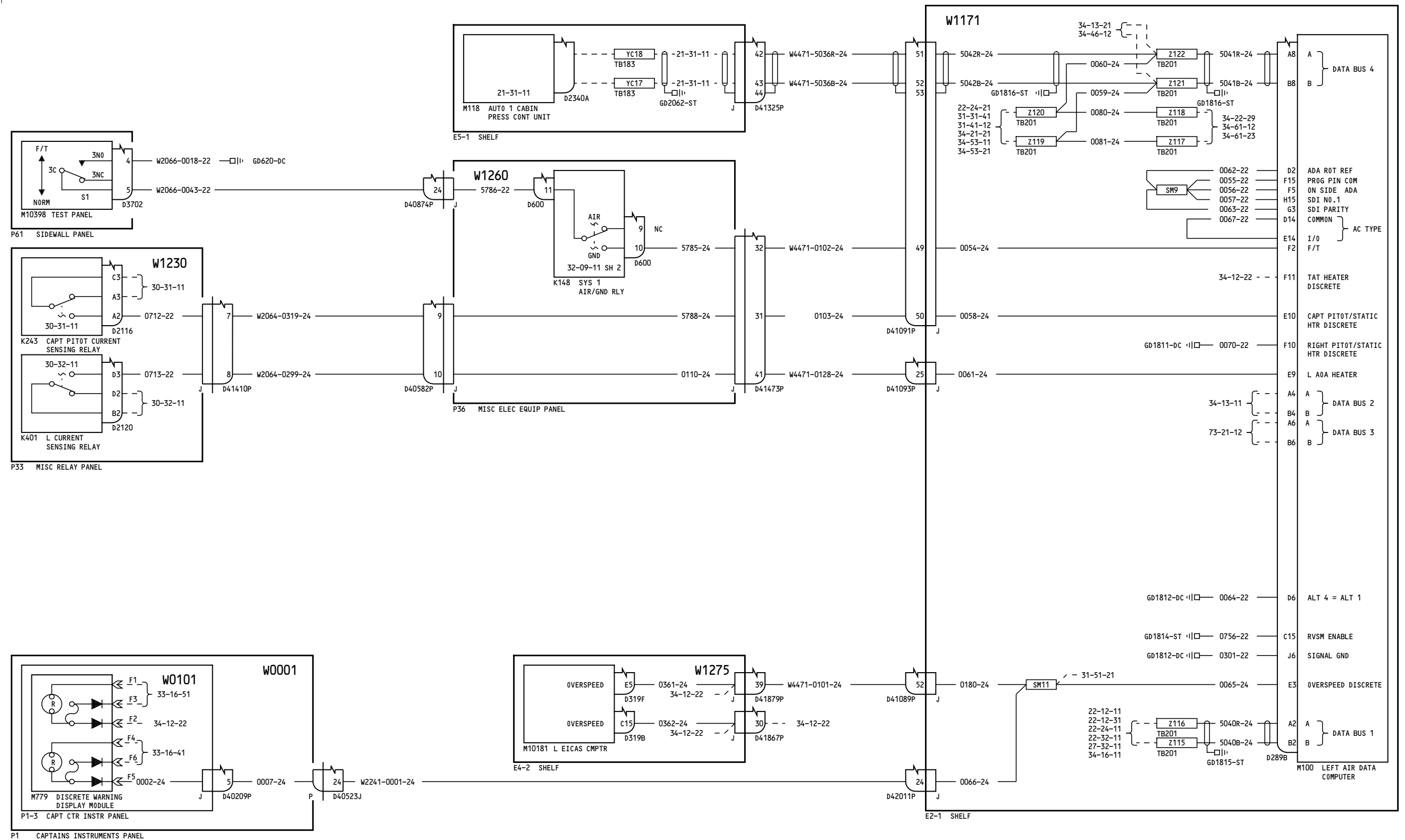
Jan 21/2005

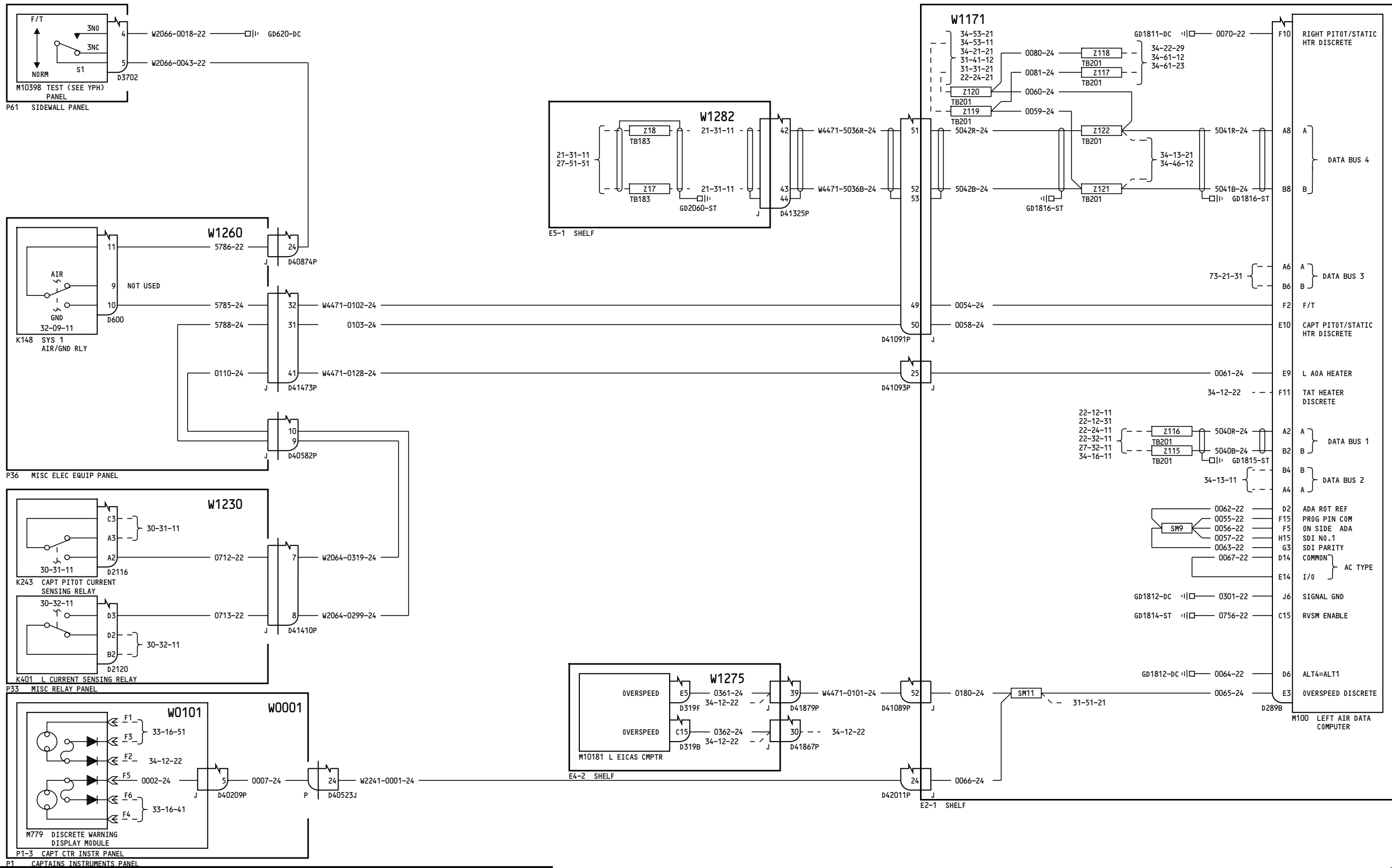
D280N032

34-12-12

Page 1

Jan 21/2005





ADC OUTPUTS AND
DISCRETE INPUTS - LEFT

34-12-12

Page 1.2

Oct 09/2008

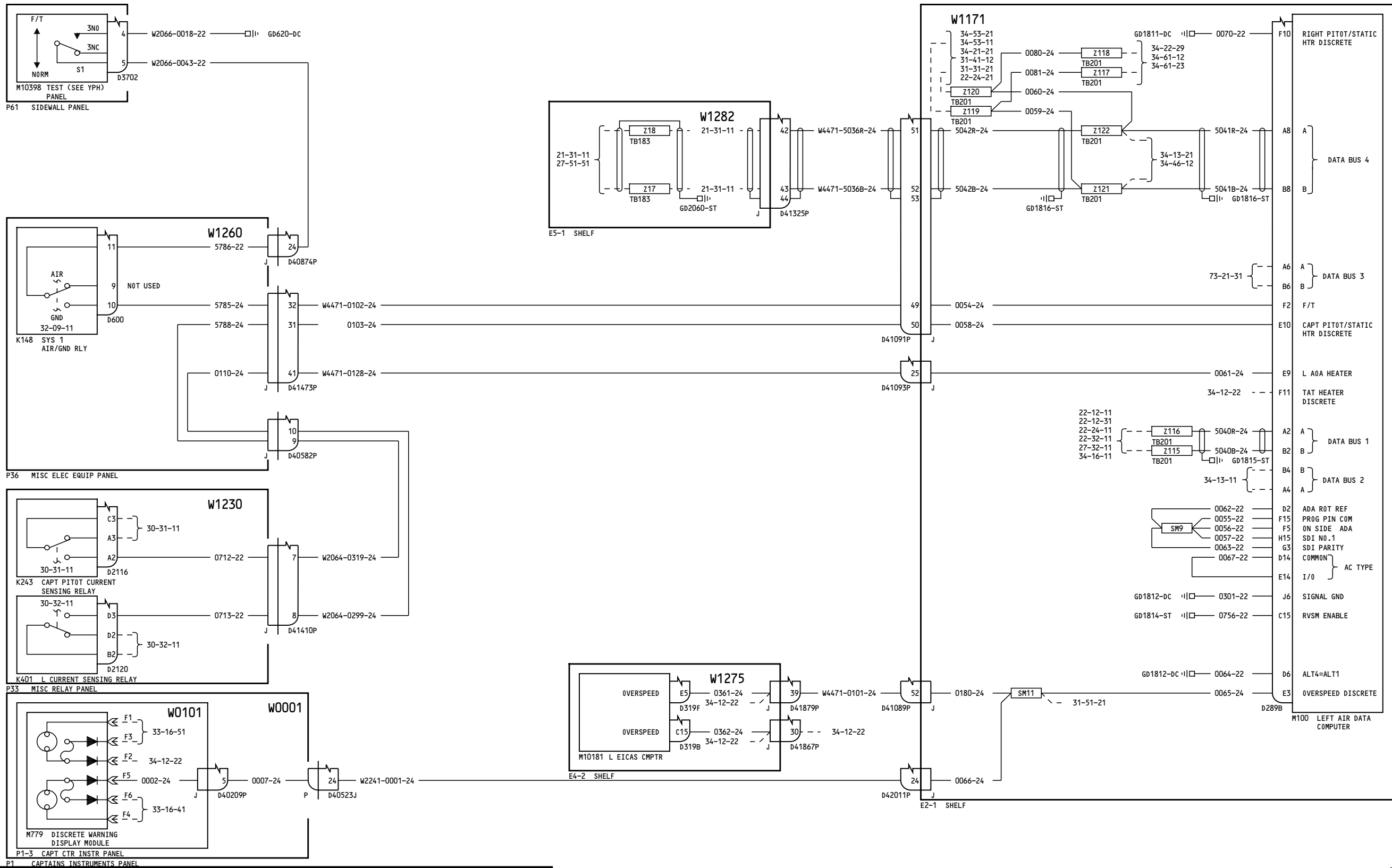
D280N032

Incorporates
 27A0130 R01
 34-0132
 34-0132 R03
 34-0200
 34A0222

34-12-12

Page 1.2

Oct 09/2008



003-008, 010

ADC OUTPUTS AND
DISCRETE INPUTS - LEFT

D280N032

34-12-12

Page 1.3

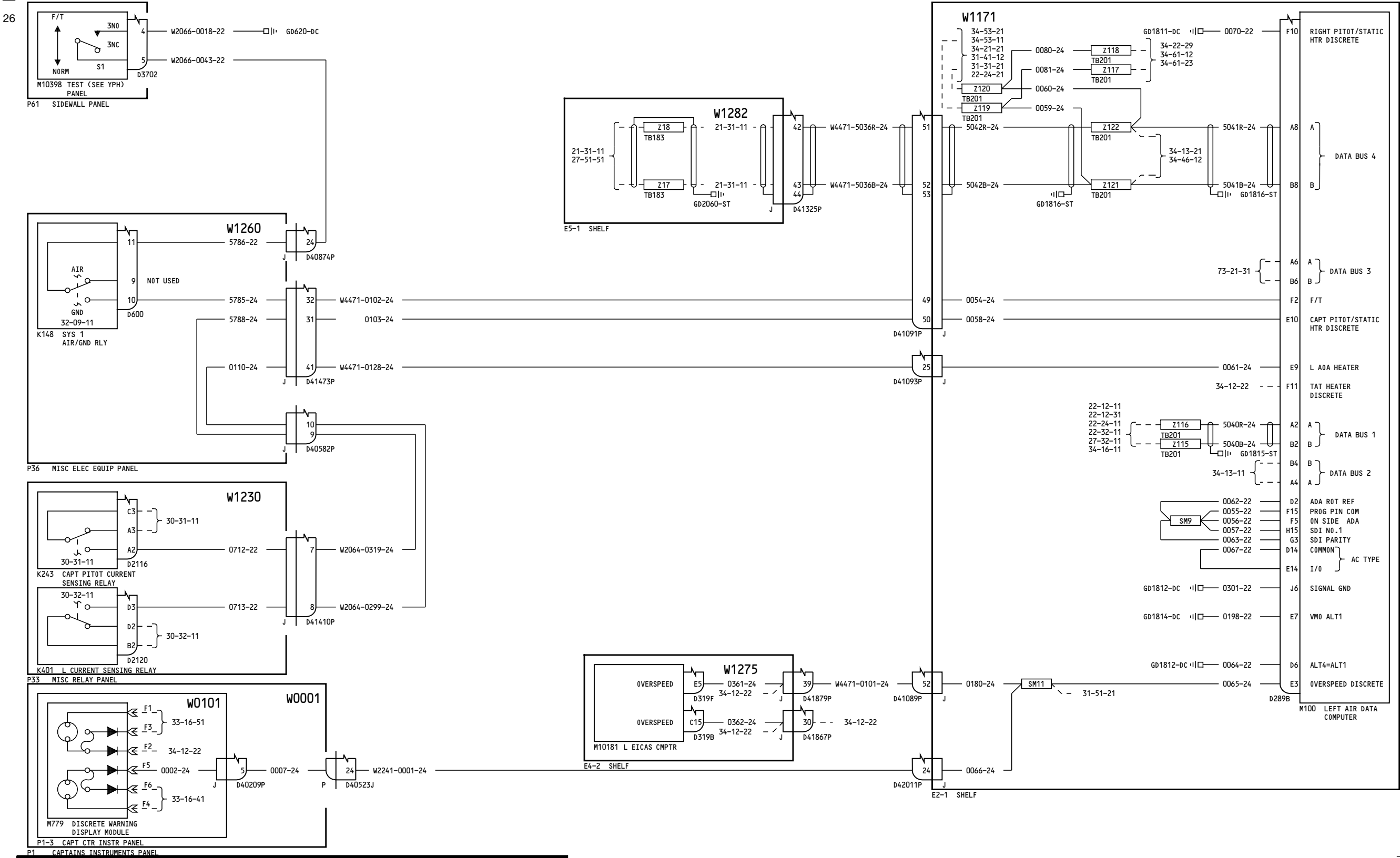
Oct 09/2008

Incorporates
34-0132
34-0132 R03
34A0222

34-12-12

Page 1.3

Oct 09/2008



ADC OUTPUTS AND DISCRETE INPUTS - LEFT

34-12-12

Page 2

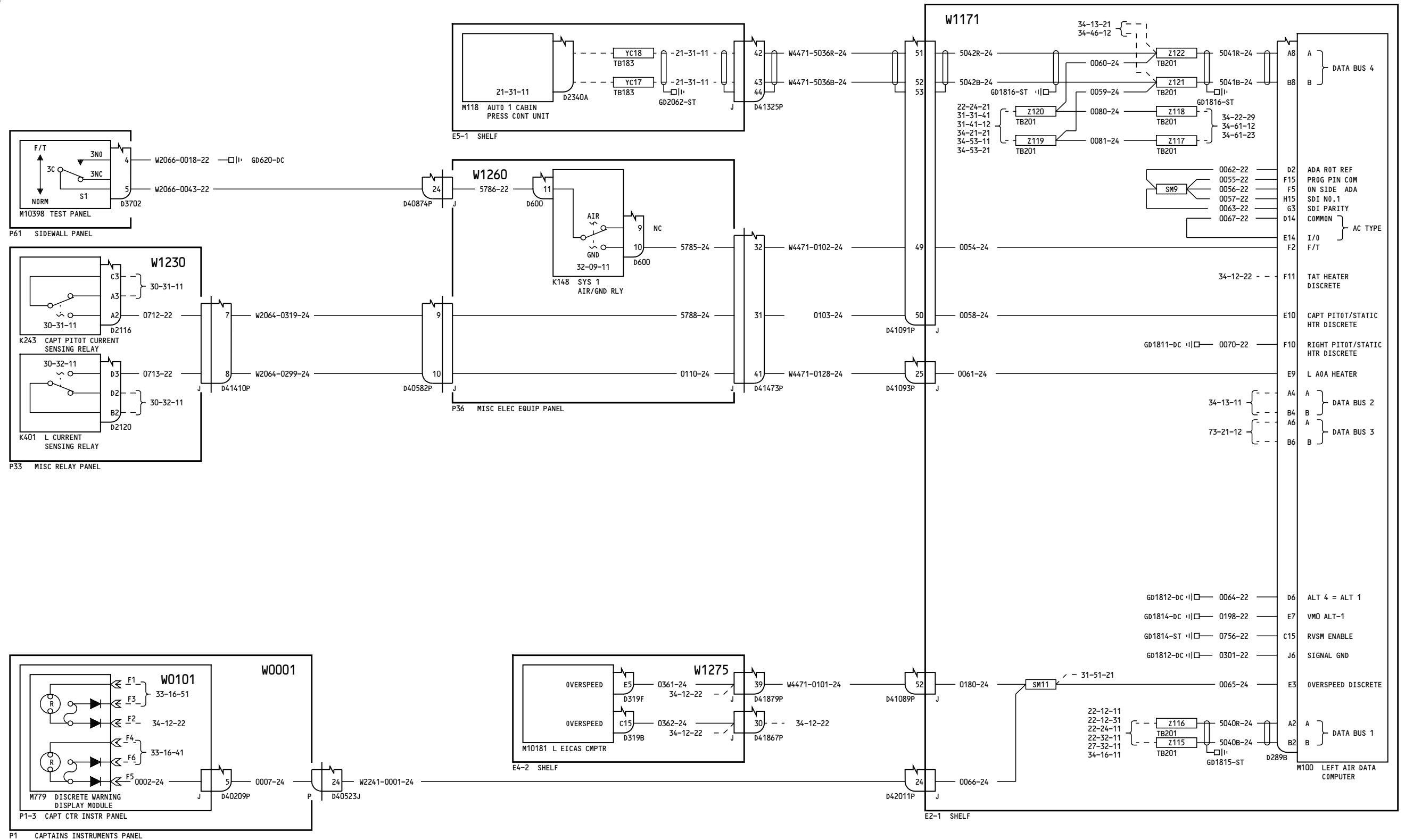
Jan 21/2005

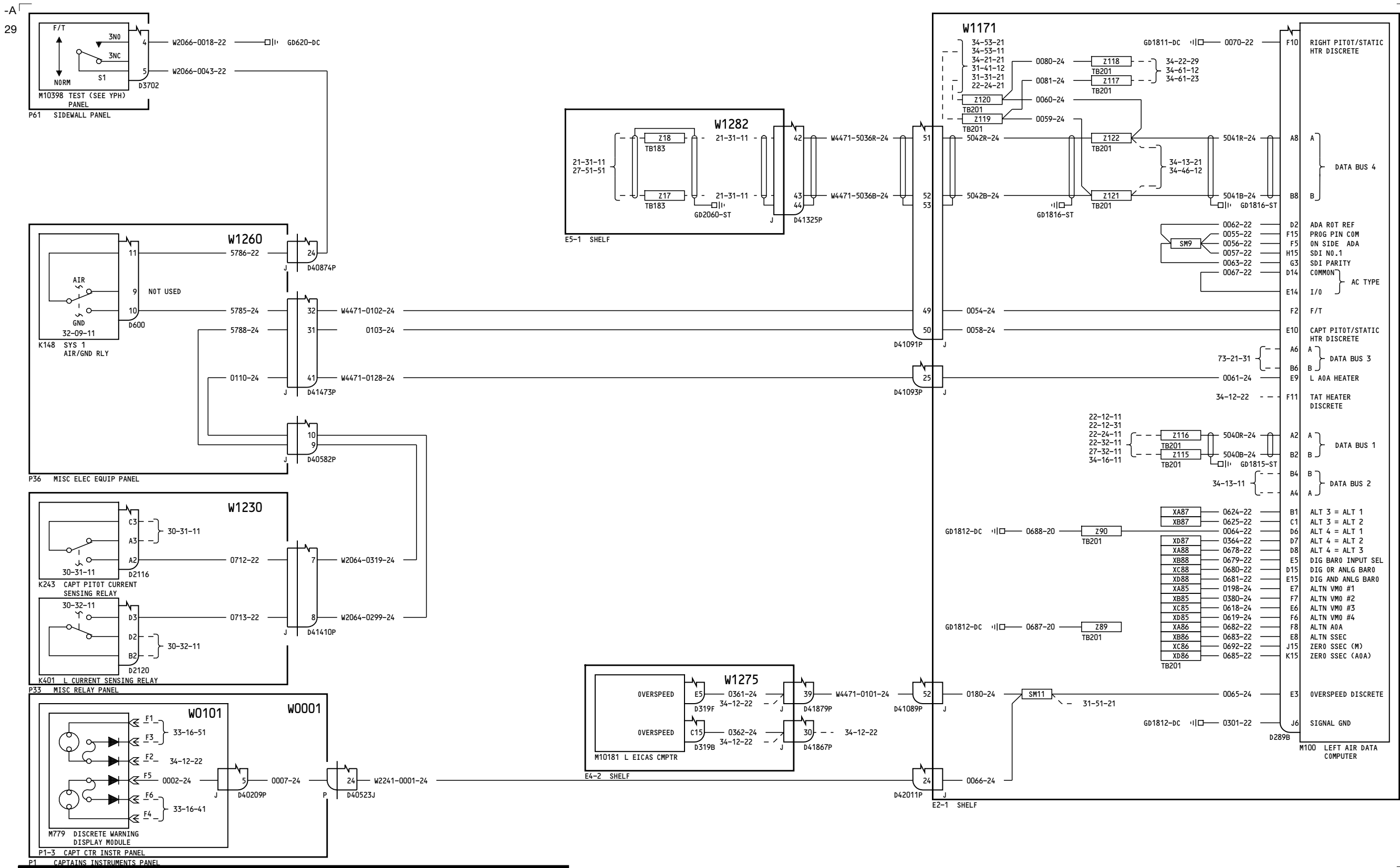
D280N032

34-12-12

Page 2

Jan 21/2005





ADC OUTPUTS AND
DISCRETE INPUTS - LEFT

34-12-12

Page 3

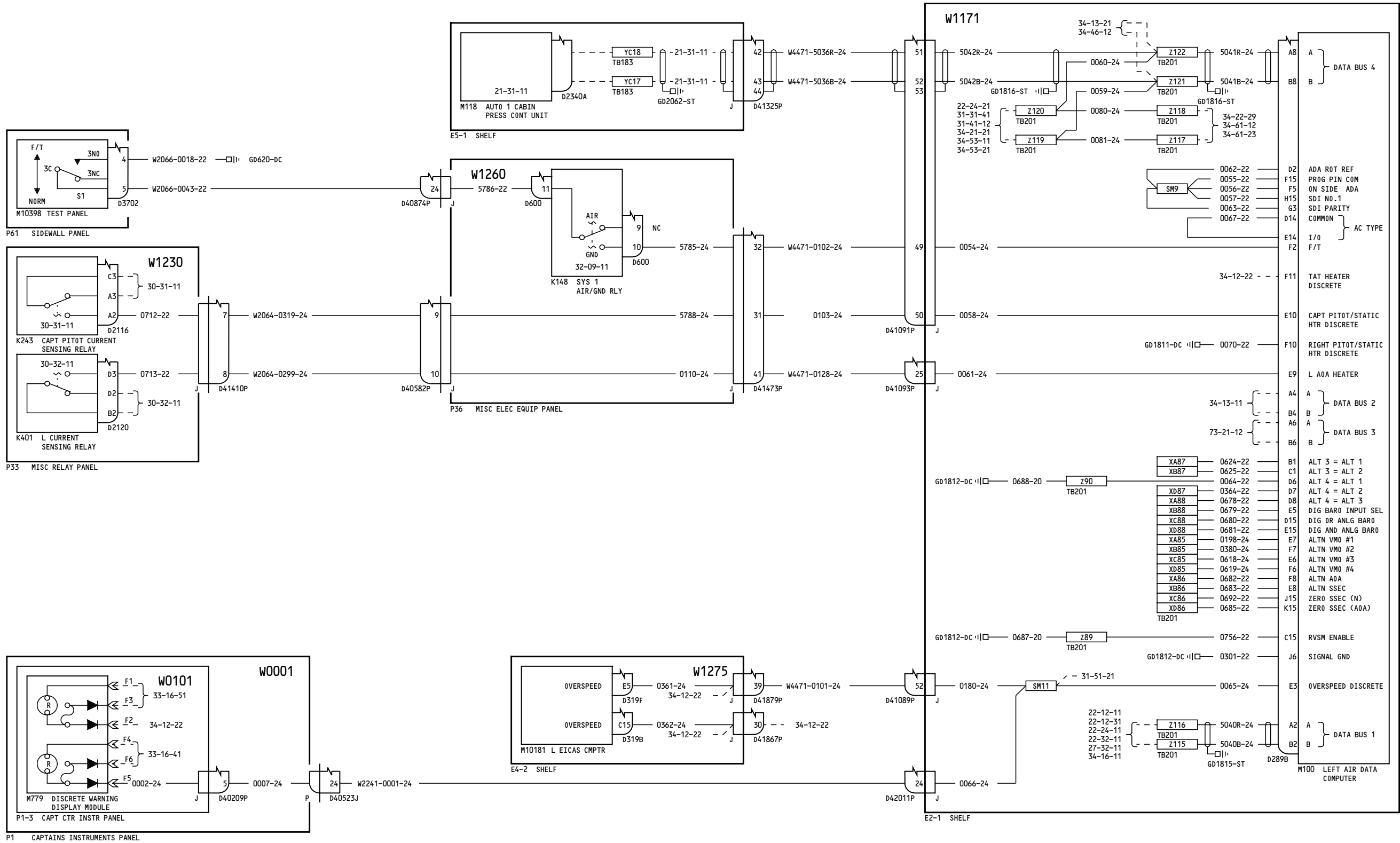
Jan 21/2005

D280N032

34-12-12

Page 3

Jan 21/2005



011

ADC OUTPUTS AND
DISCRETE INPUTS - LEFT

34-12-12

Page 3.1

Jan 21/2005

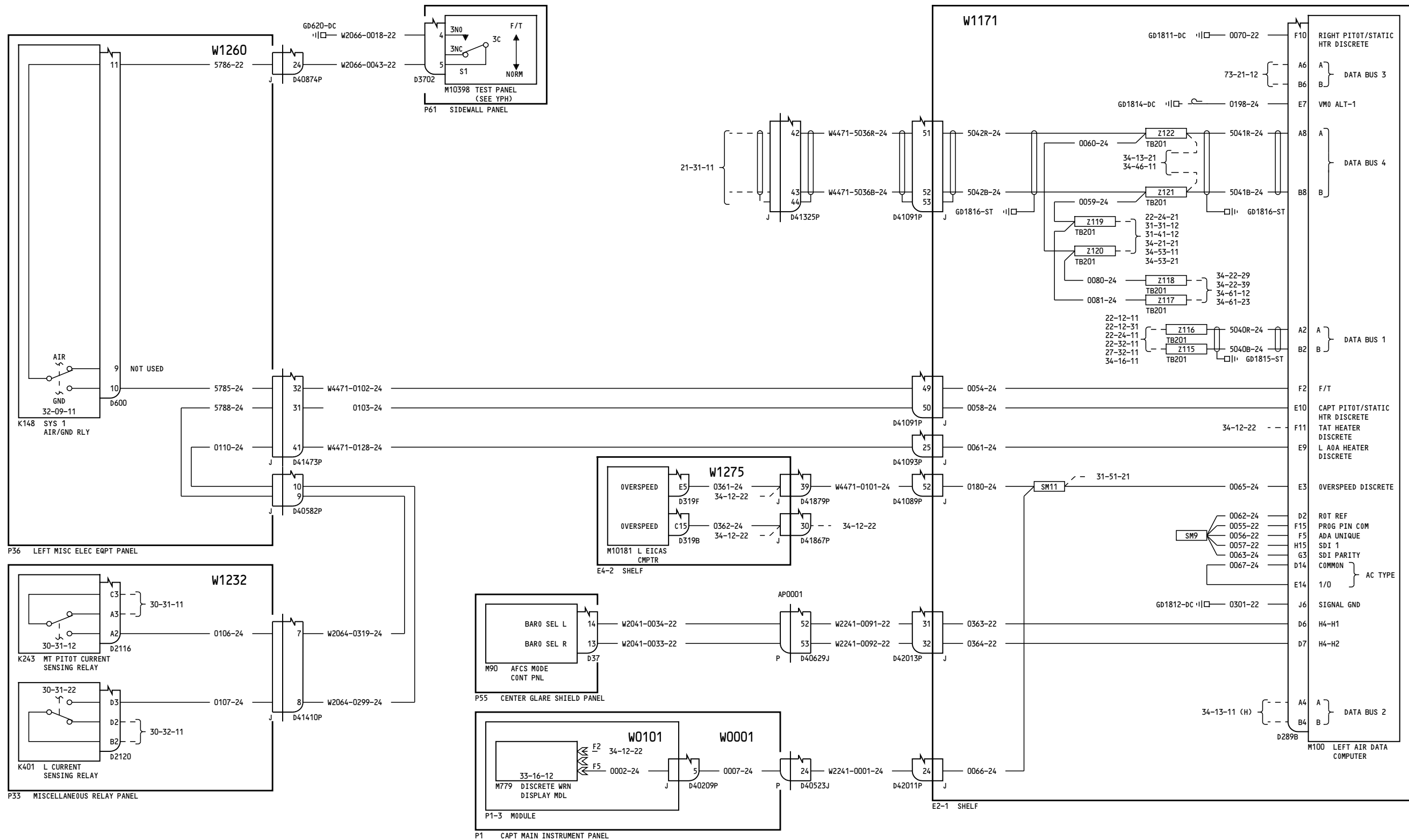
D280N032

Incorporates
34-0132
34A0222

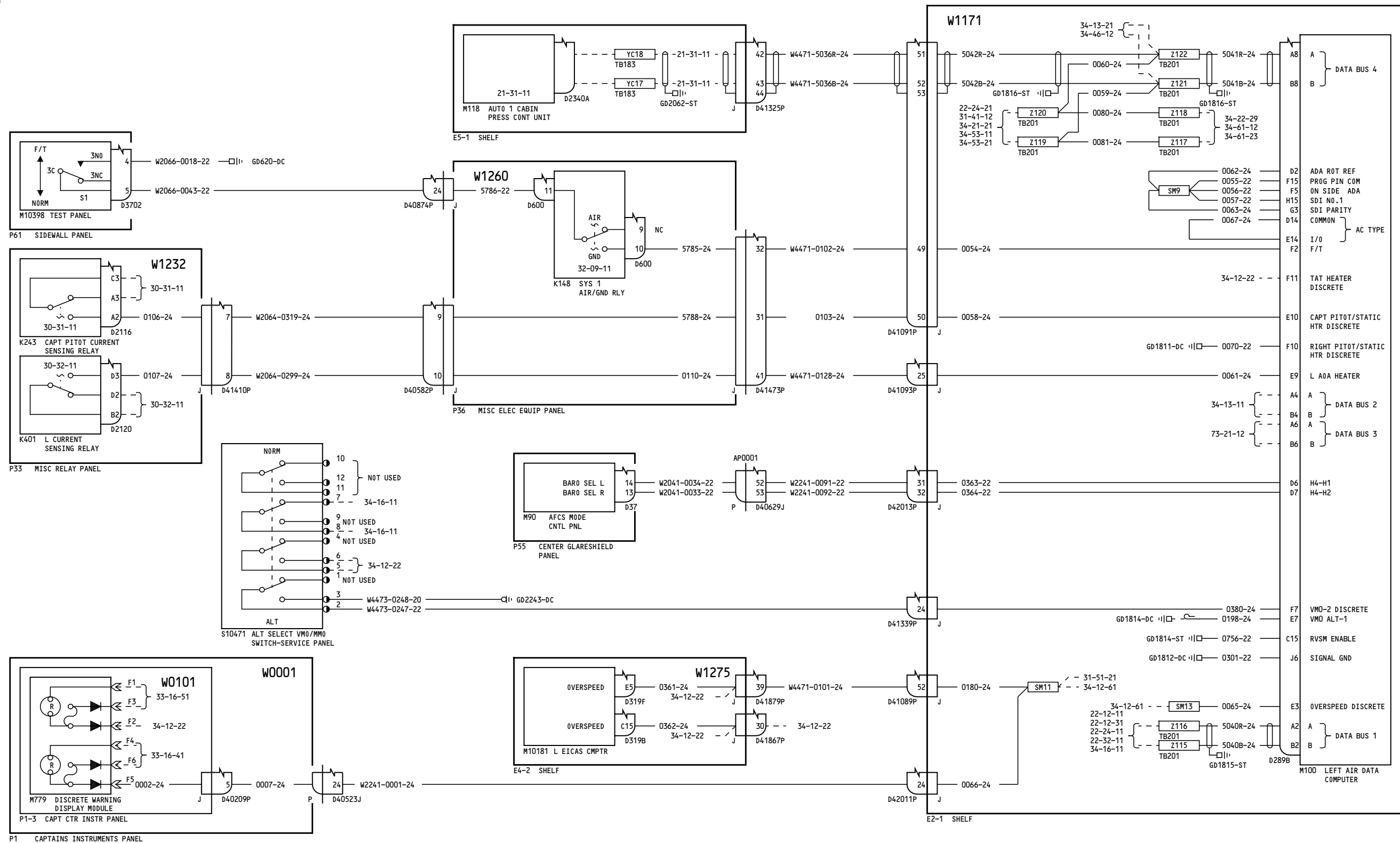
34-12-12

Page 3.1

Jan 21/2005



-A
271



115

**ADC OUTPUTS AND
DISCRETE INPUTS - LEFT**

34-12-12

Page 4.1

D280N032

Dec 18/2007

Incorporates
34-0132
34-0410
34A0222

34-12-12

Page 4.1

Dec 18/2007



AIR DATA - RIGHT

34-12-21

Page 1

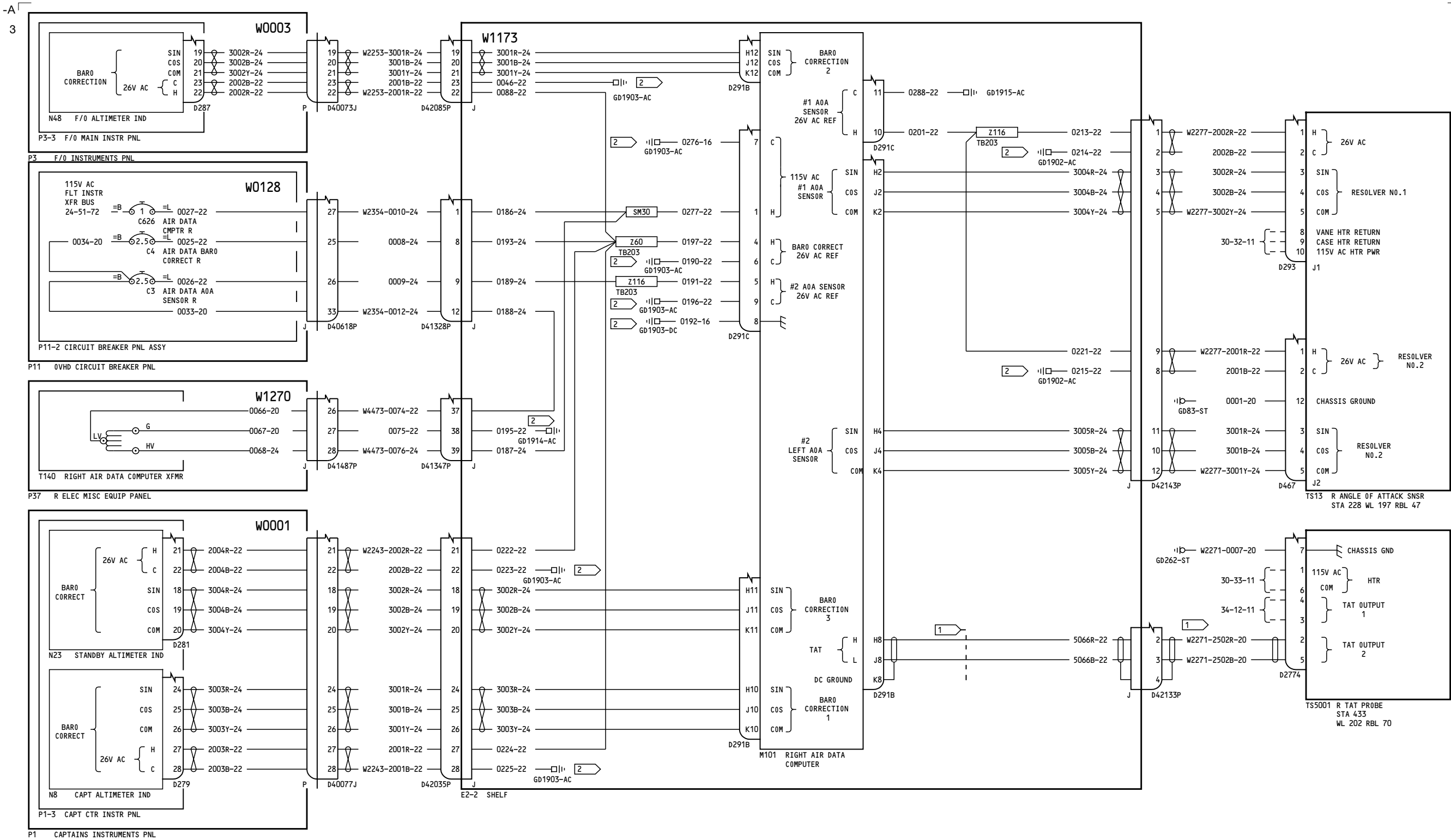
Jan 21/2005

D280N032

34-12-21

Page 1

Jan 21/2005



115-199

AIR DATA - RIGHT

34-12-21

Page 2

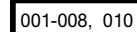
D280N032

Jan 21/2005

34-12-21

Page 2

Jan 21/2005



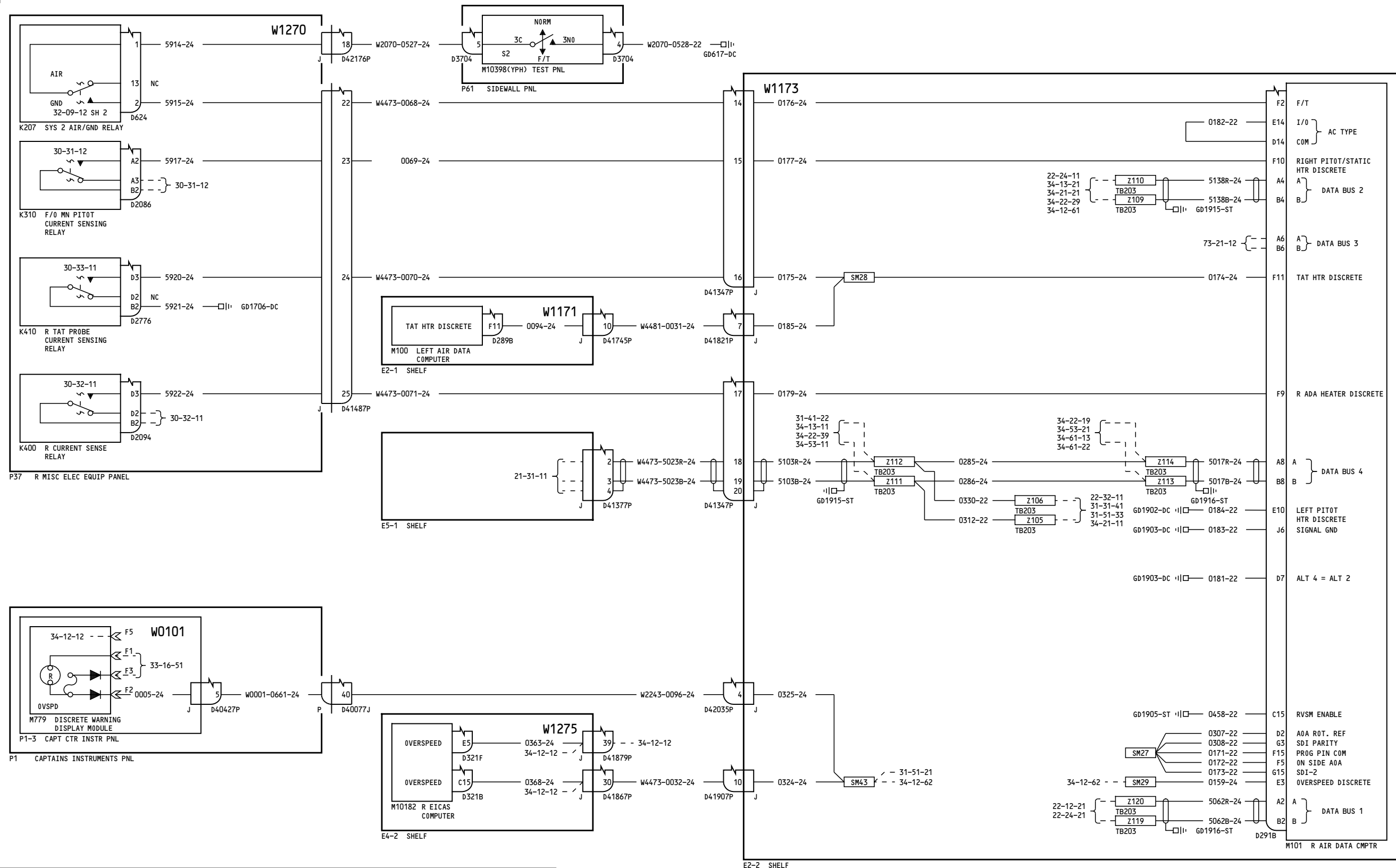
34-12-22

D280N032

34-12-22

Jan 21/2005

285



001

**ADC OUTPUTS AND
DISCRETE INPUTS - RIGHT**

D280N032

34-12-22

Page 1.1

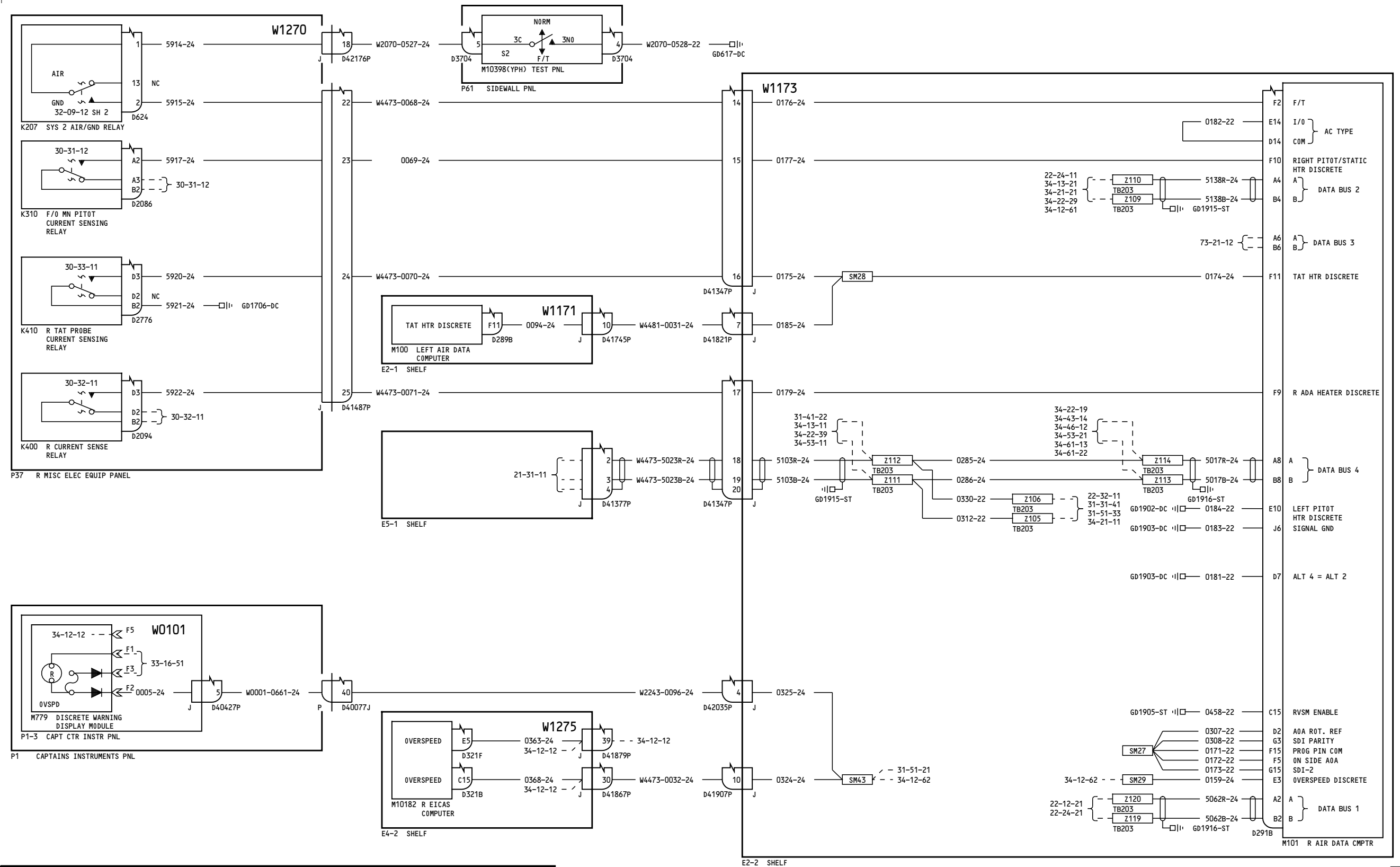
Dec 18/2007

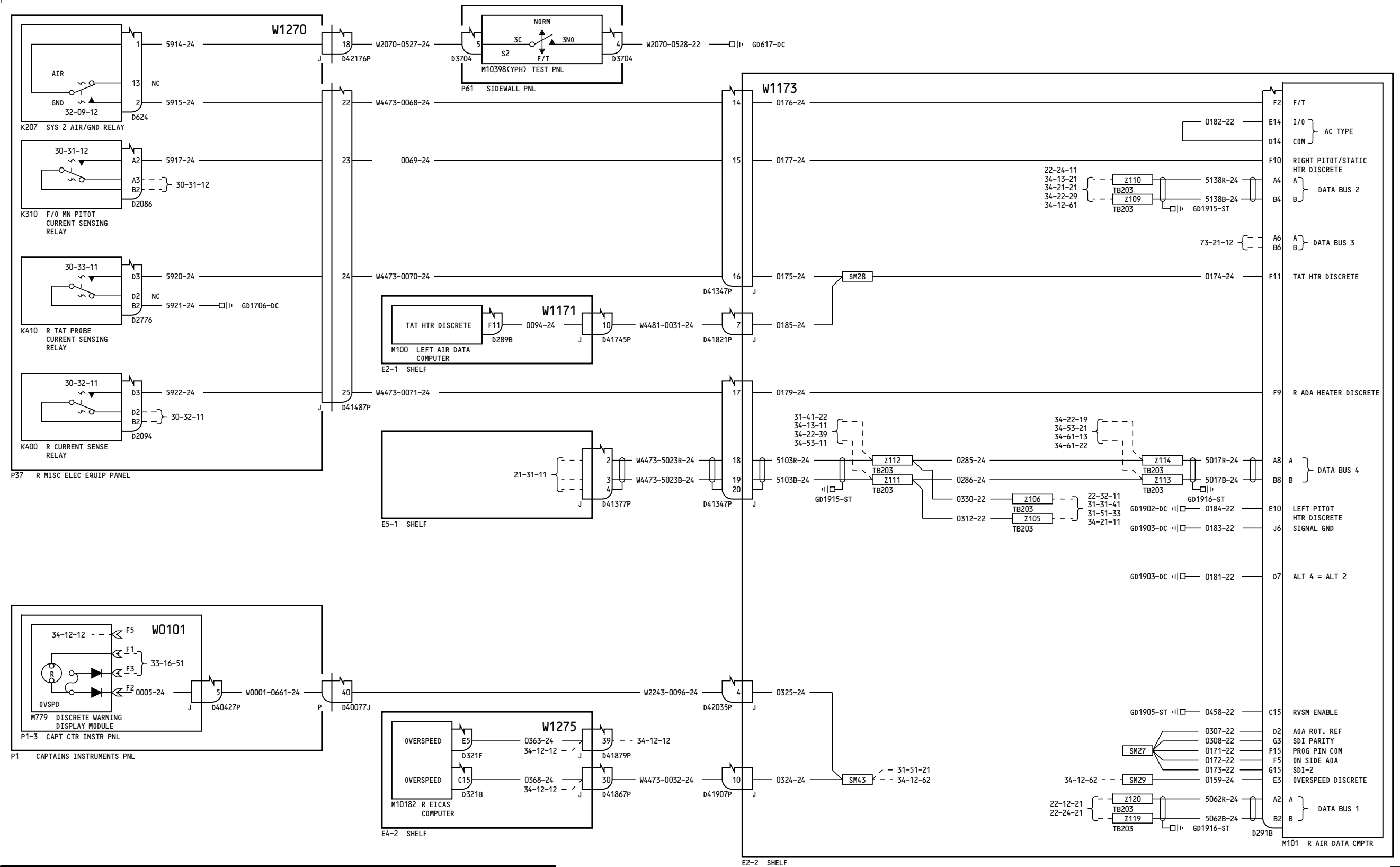
Incorporates
 27A0130 R01
 34-0132
 34A0222

34-12-22

Page 1.1

Dec 18/2007





003-008, 010

ADC OUTPUTS AND DISCRETE INPUTS - RIGHT

D280N032

34-12-22

Page 1.3

Dec 18/2007

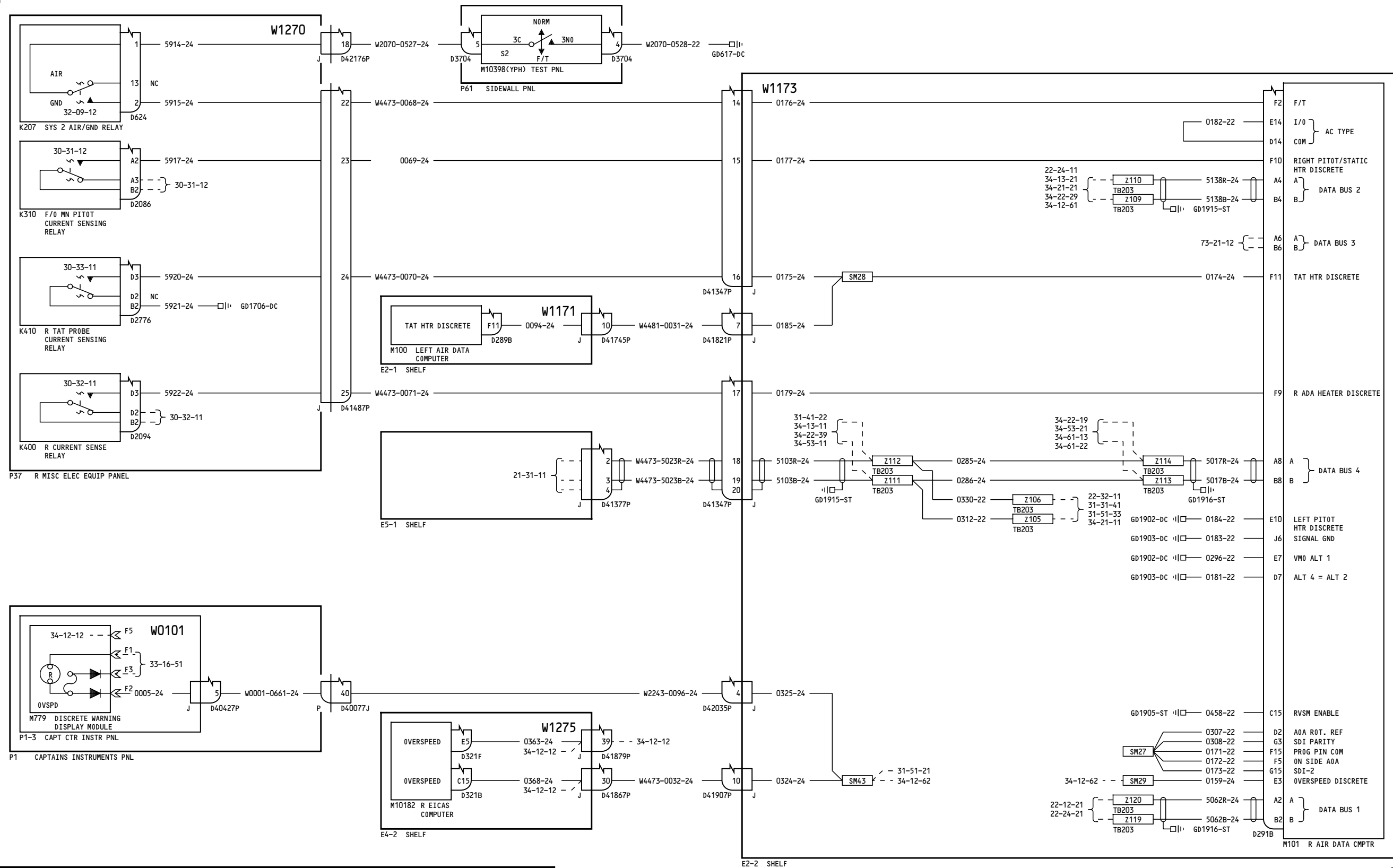
Incorporates

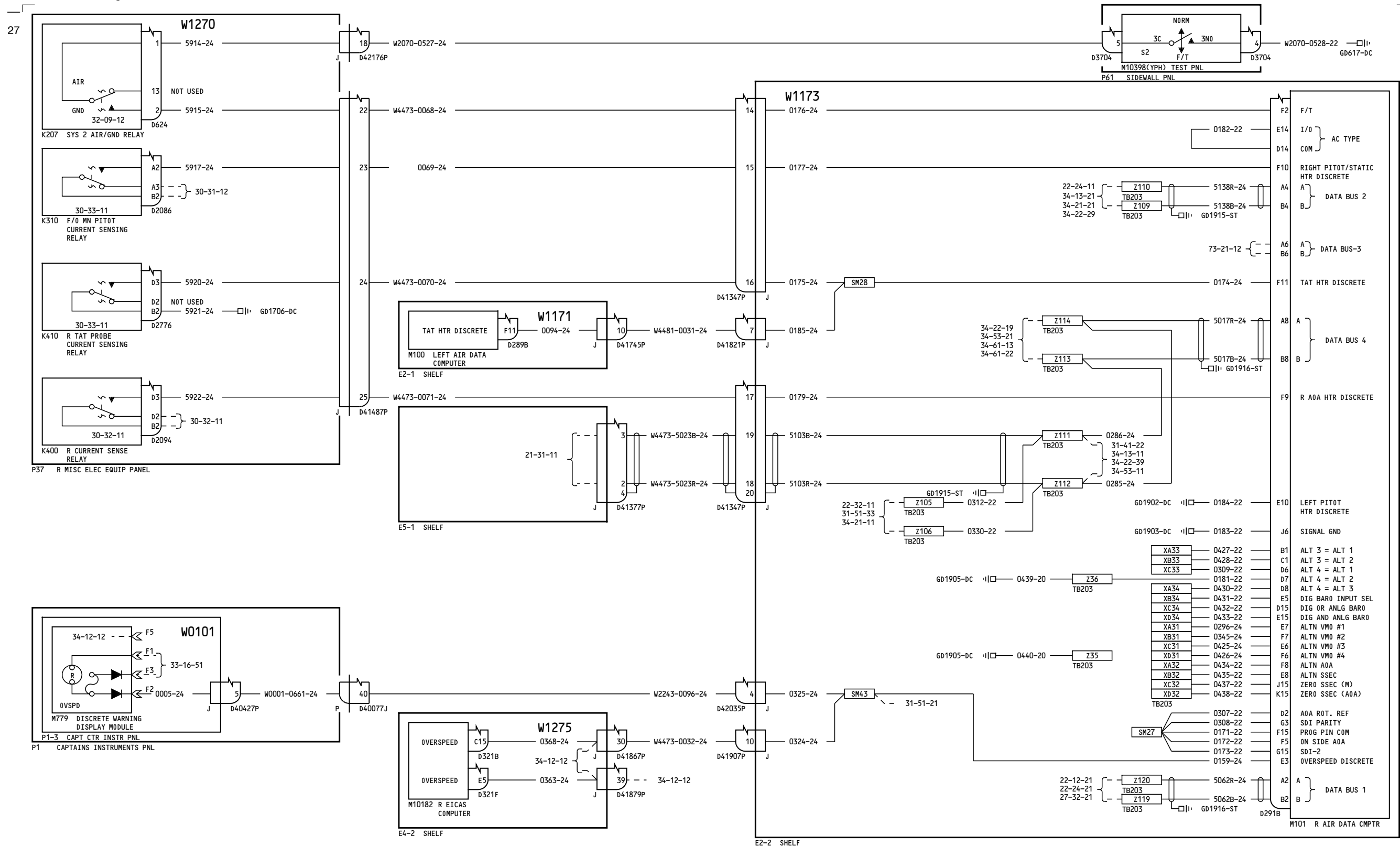
34-0132
34A0222

34-12-22

Page 1.3

Dec 18/2007





011-099

ADC OUTPUTS AND DISCRETE INPUTS - RIGHT

34-12-22

Page 3

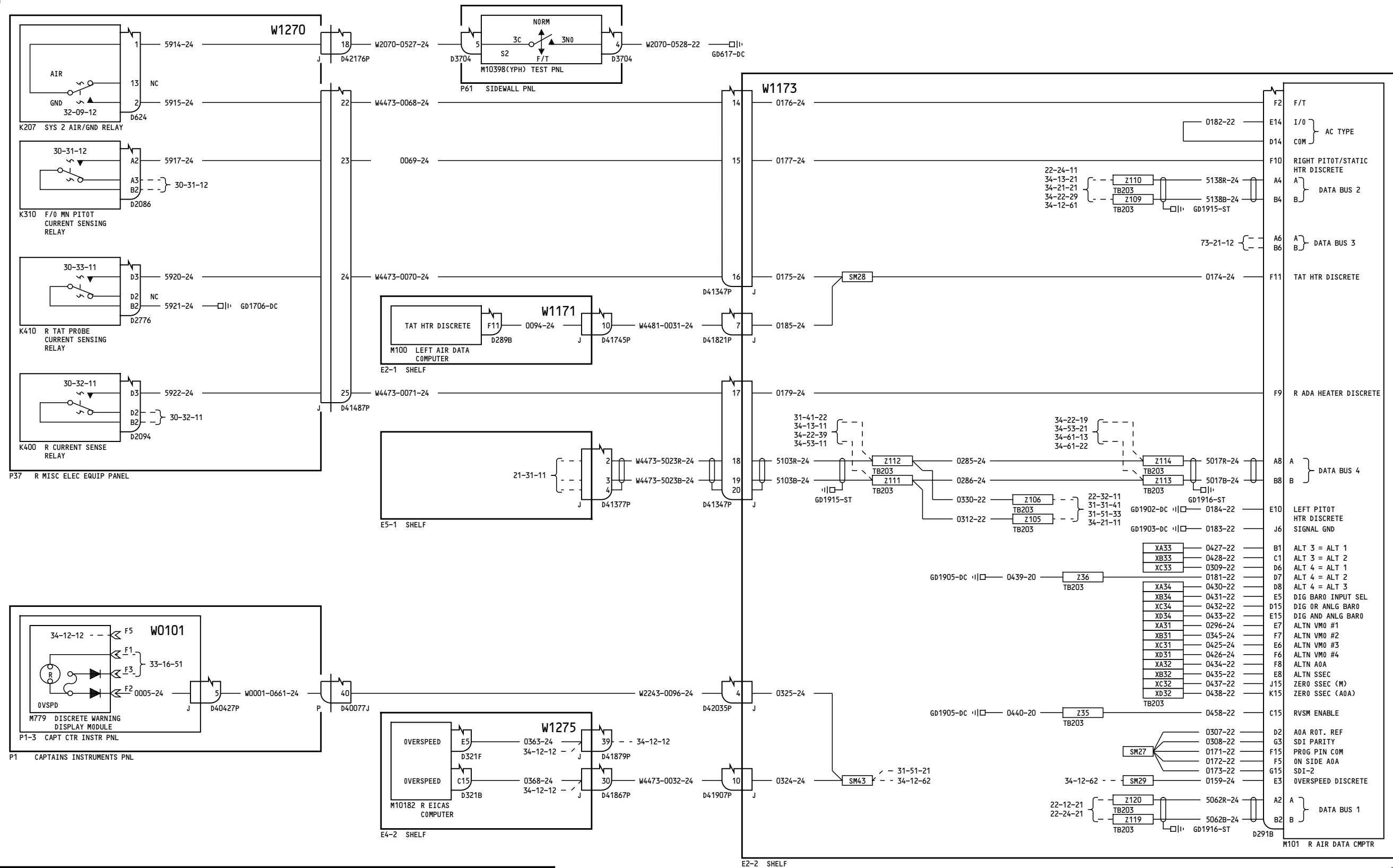
D280N032

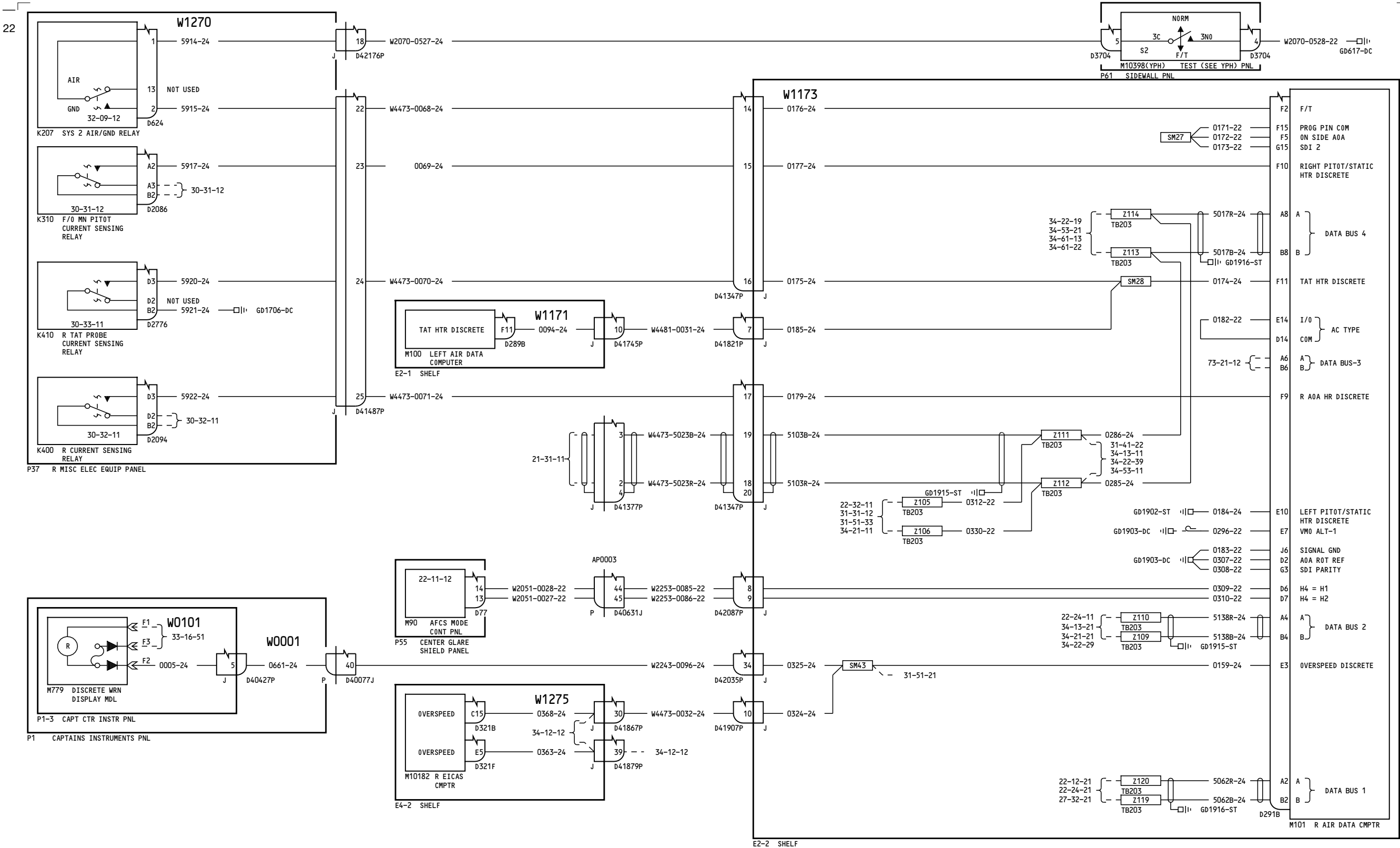
Jan 21/2005

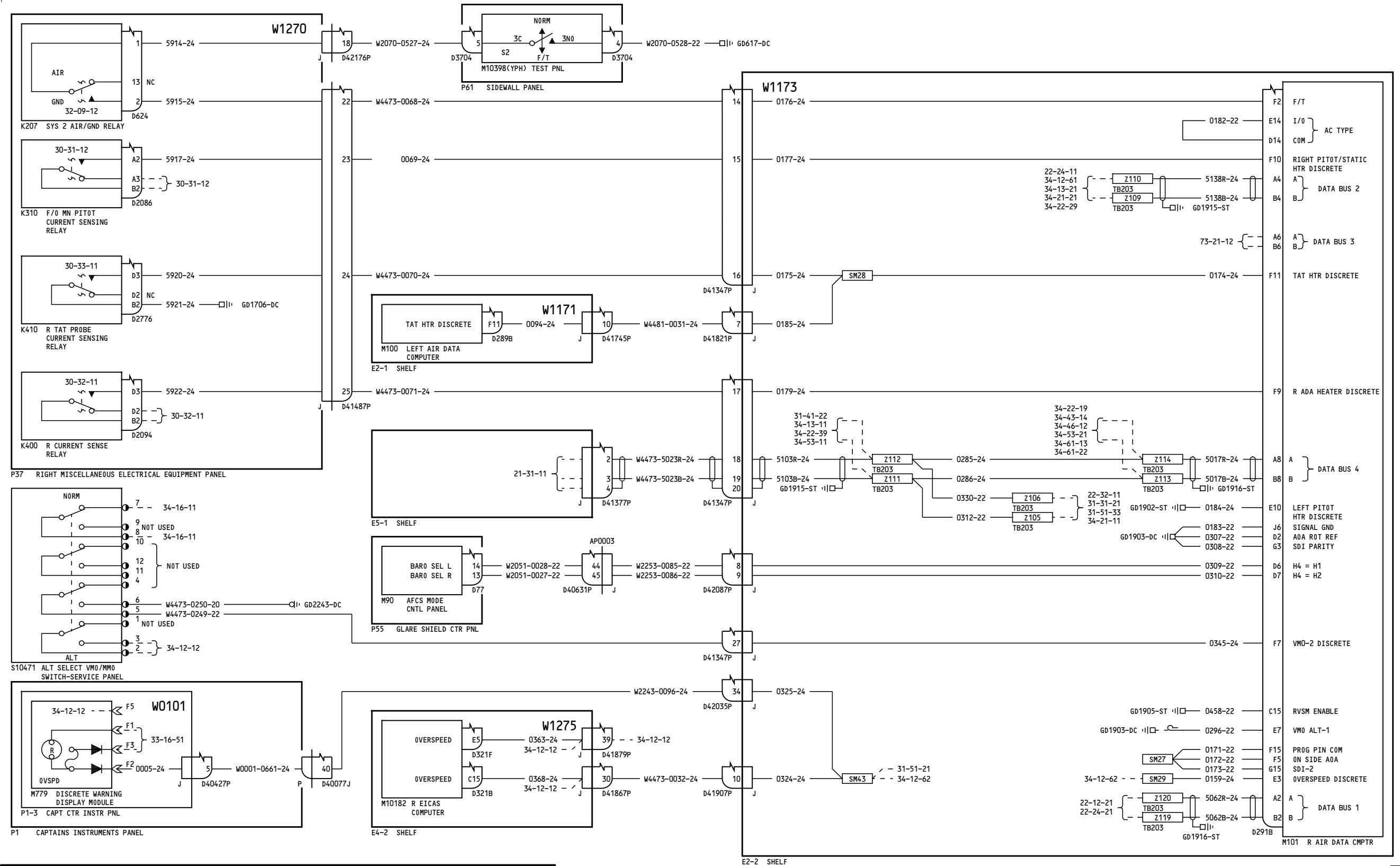
34-12-22

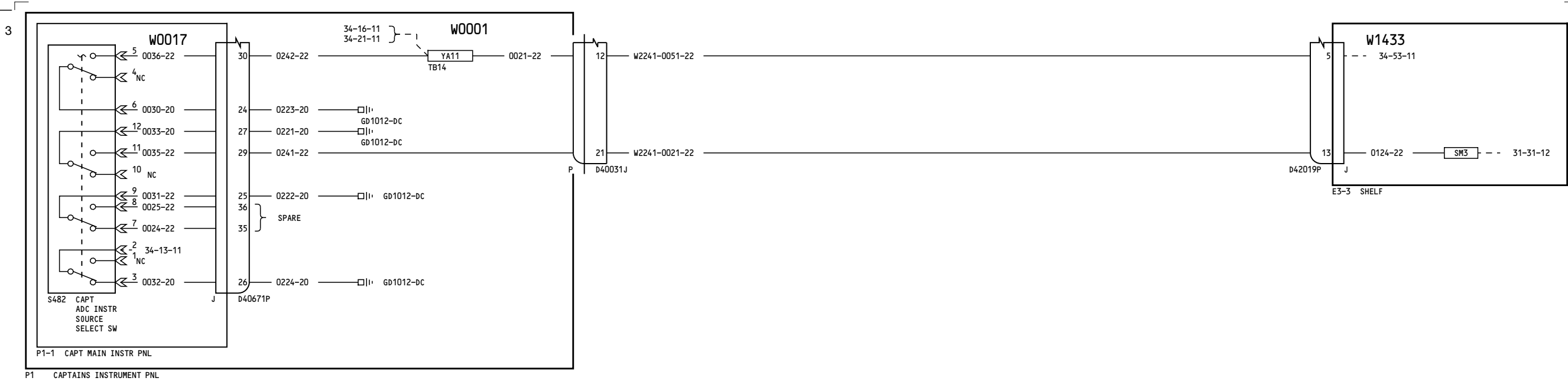
Page 3

Jan 21/2005









ALL

ADC SWITCHING - LEFT

D280N032

34-12-61

Page 1

Jan 21/2005

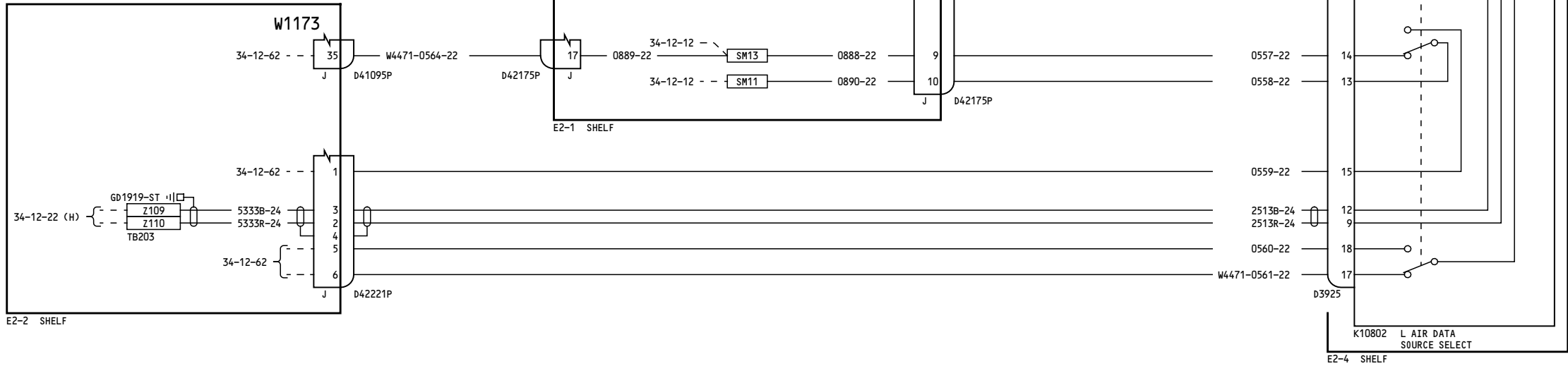
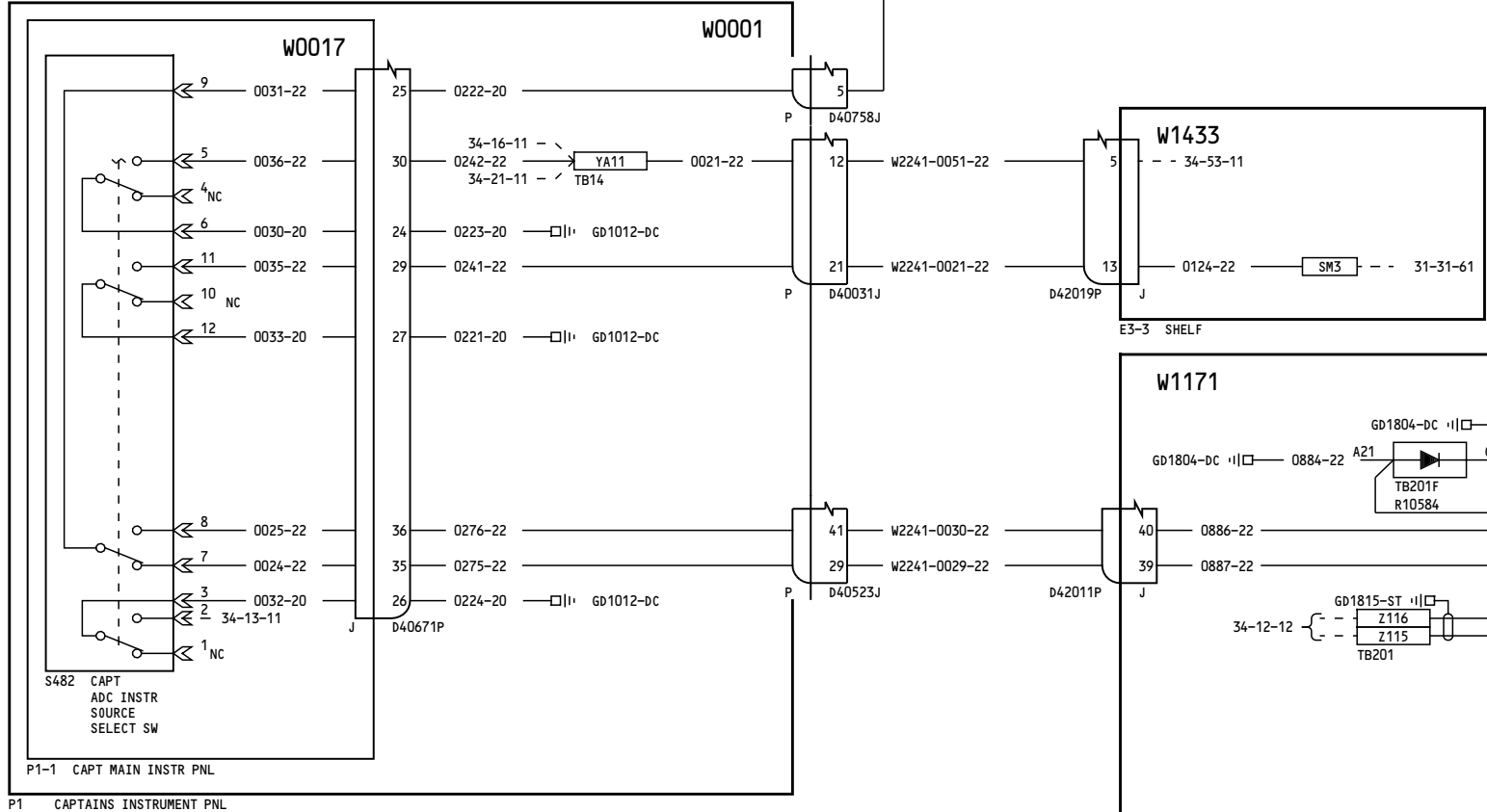
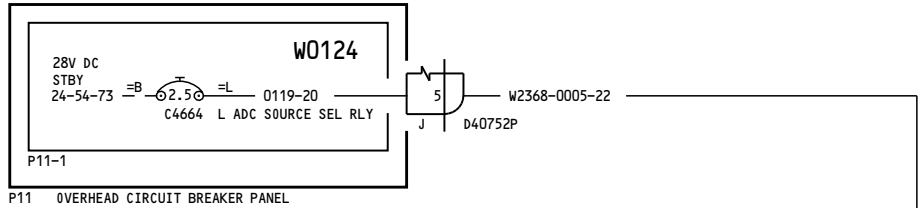
34-12-61

Page 1

Jan 21/2005



47



001-011

ADC SWITCHING - LEFT

D280N032

34-12-61

Page 1.1

Dec 18/2007

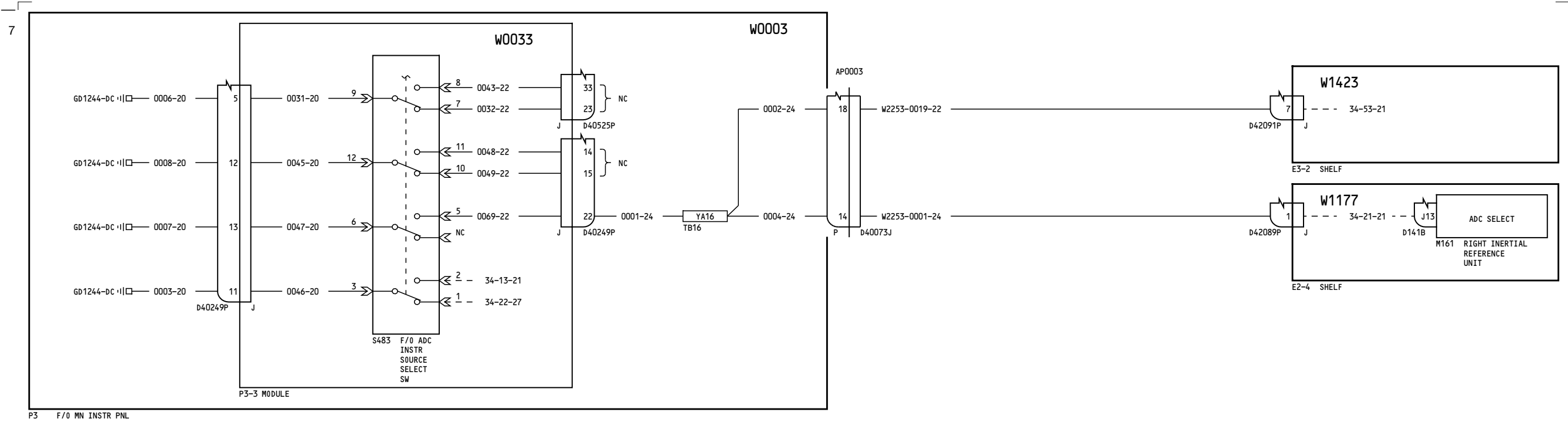
Incorporates
▶ 34A0222

34-12-61

Page 1.1

Dec 18/2007

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details



ALL	ADC SWITCHING - RIGHT
	D280N032

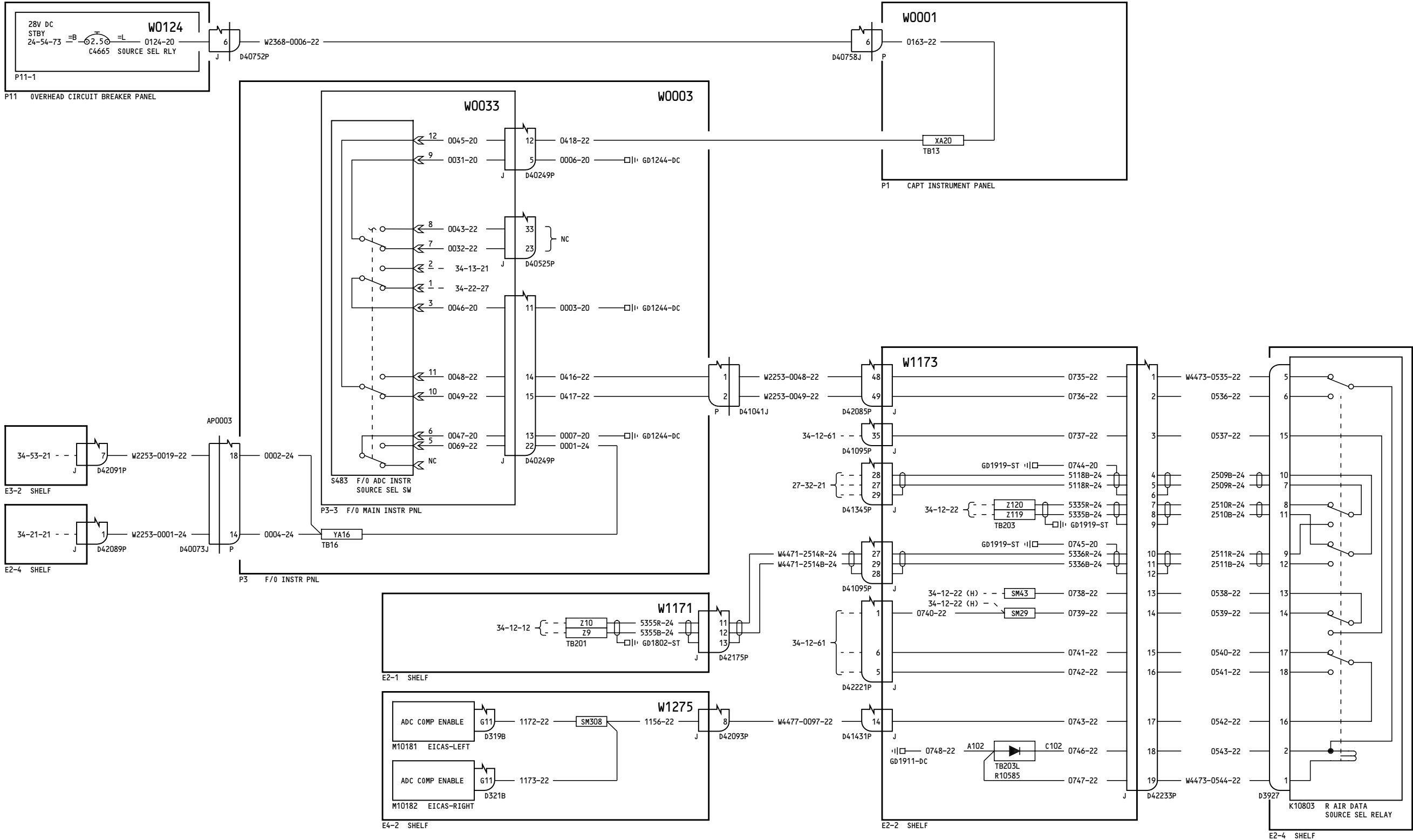
34-12-62

Page 1
Jan 21/2005

34-12-62

Page 1
Jan 21/2005

67



001-011

ADC SWITCHING - RIGHT

34-12-62

Page 1.1

D280N032

Dec 18/2007

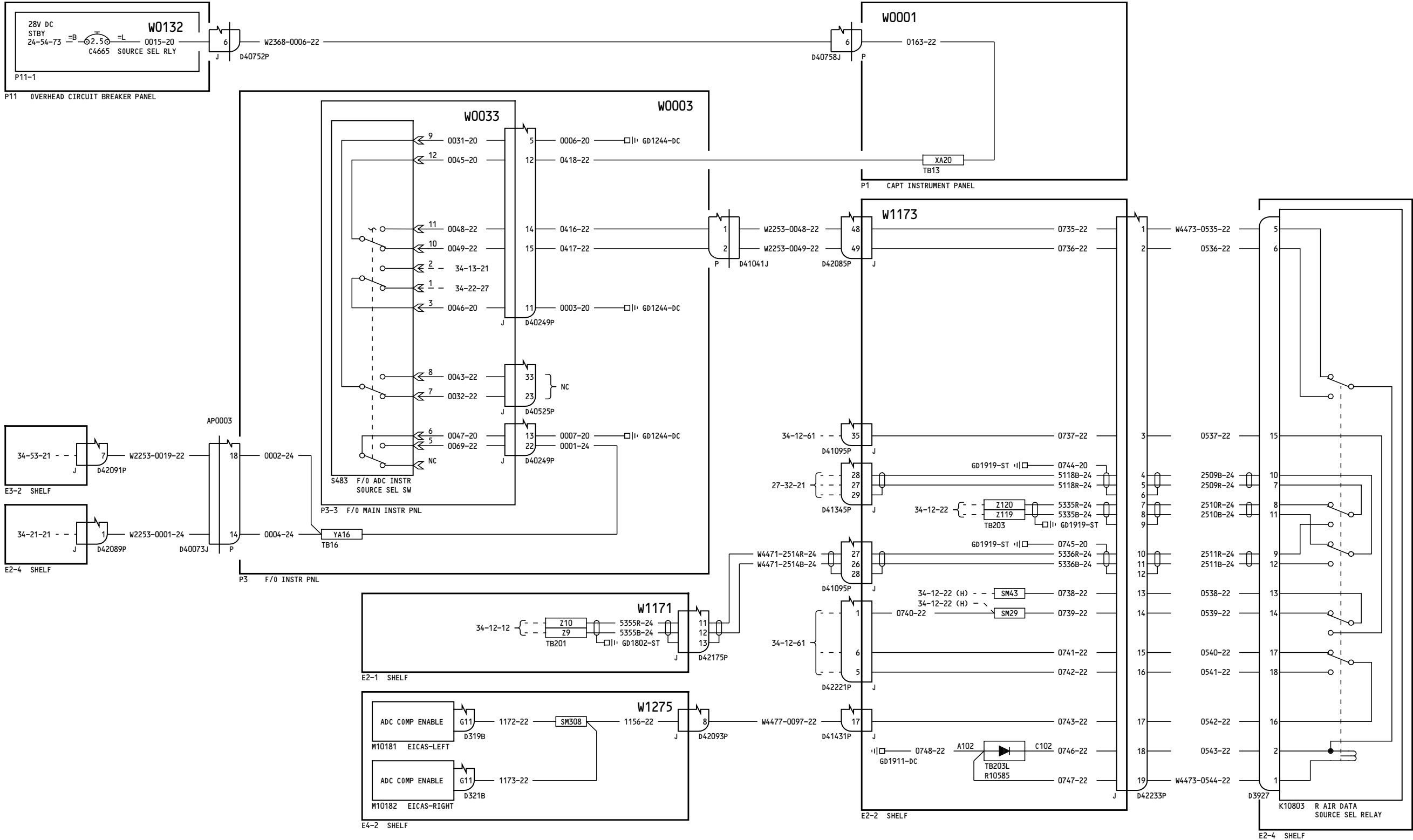
Incorporates
34A0222

34-12-62

Page 1.1

Dec 18/2007

66



115

ADC SWITCHING - RIGHT

34-12-62

Page 1.2

D280N032

Dec 18/2007

Incorporates
34A0222

34-12-62

Page 1.2

Dec 18/2007

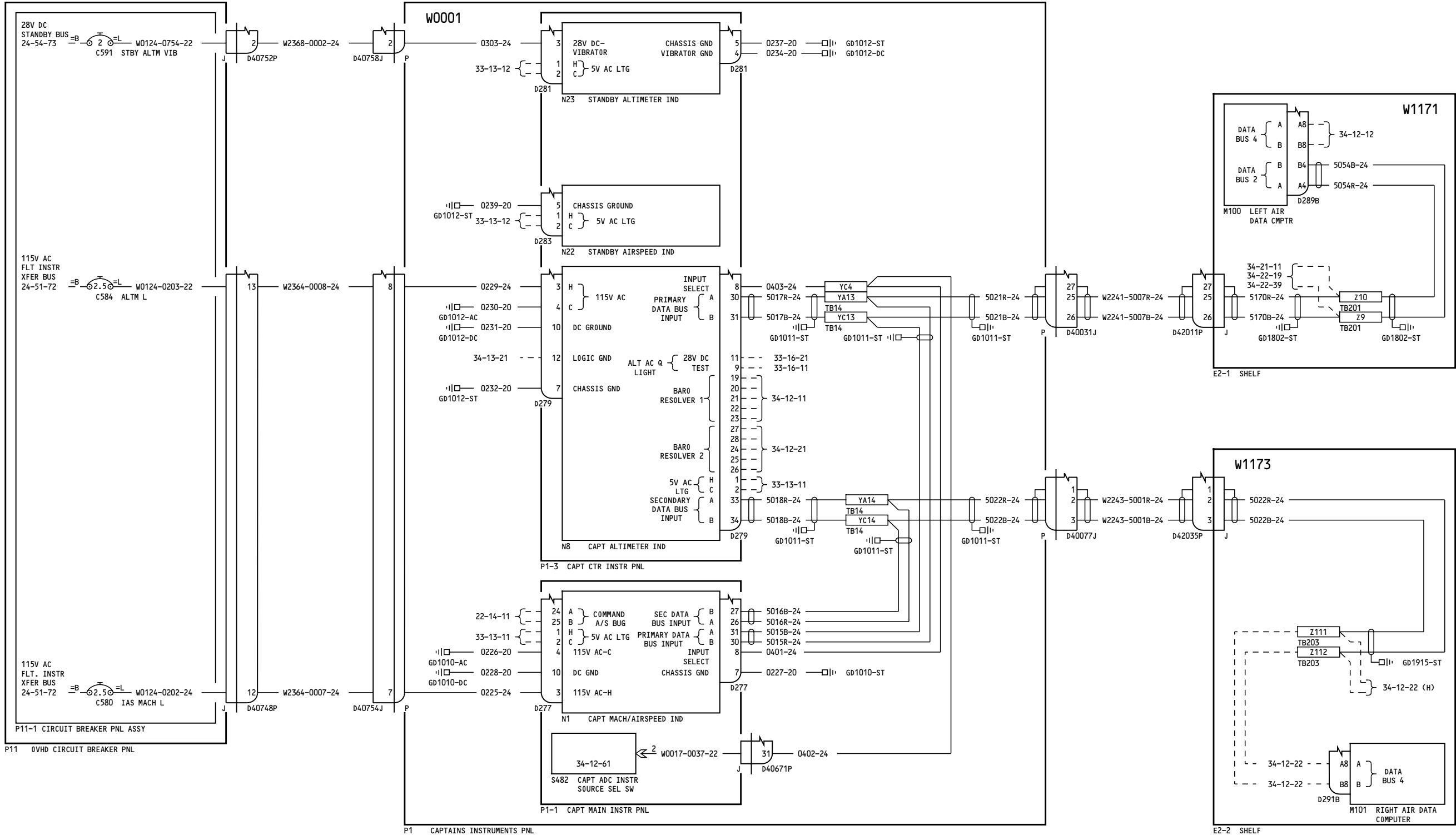


34-13-11

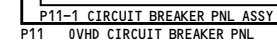
D280N032

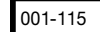
34-13-11

Jan 21/2005









34-13-21

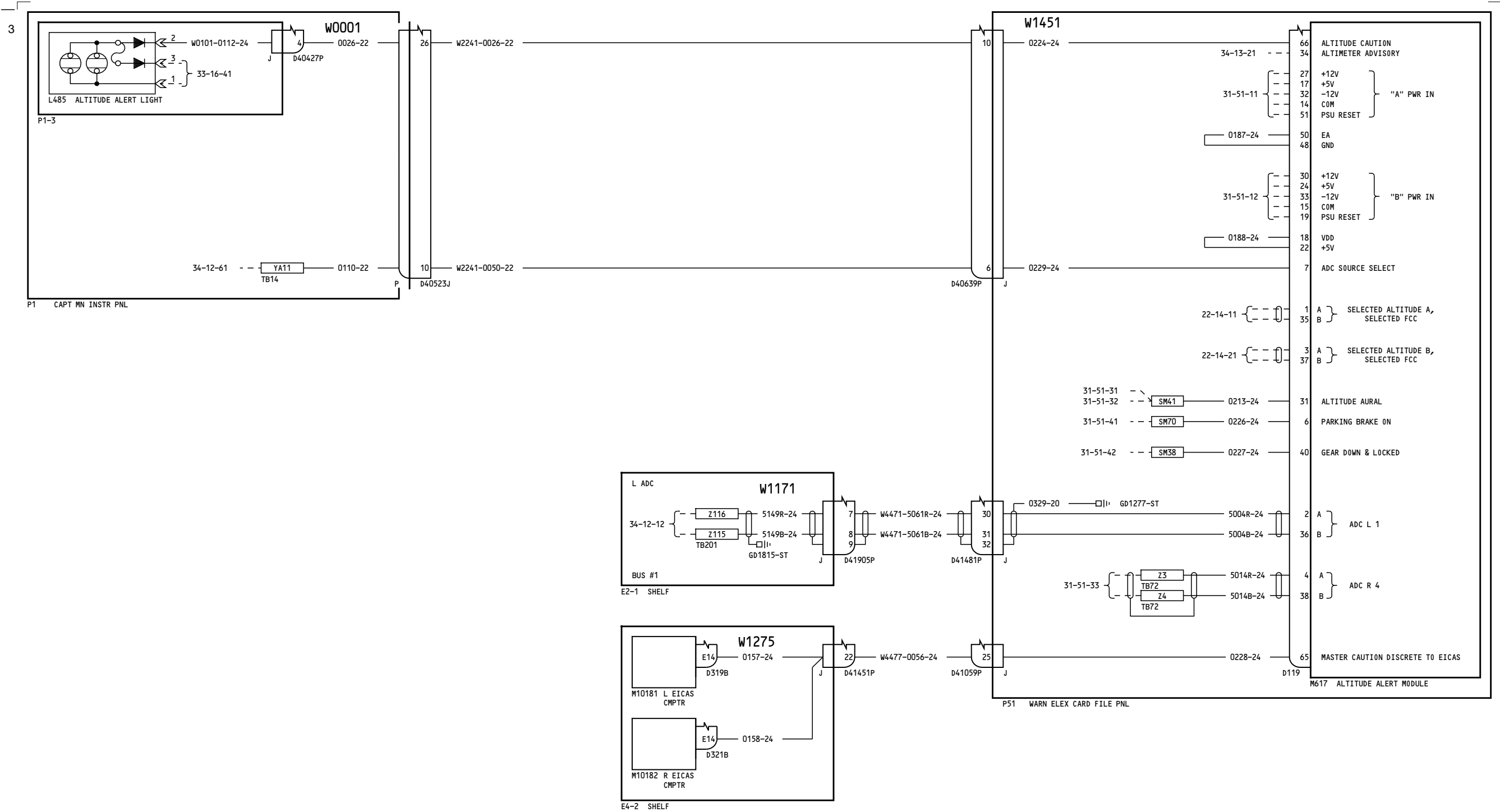
D280N032

Incorporates
▶ 34A0222

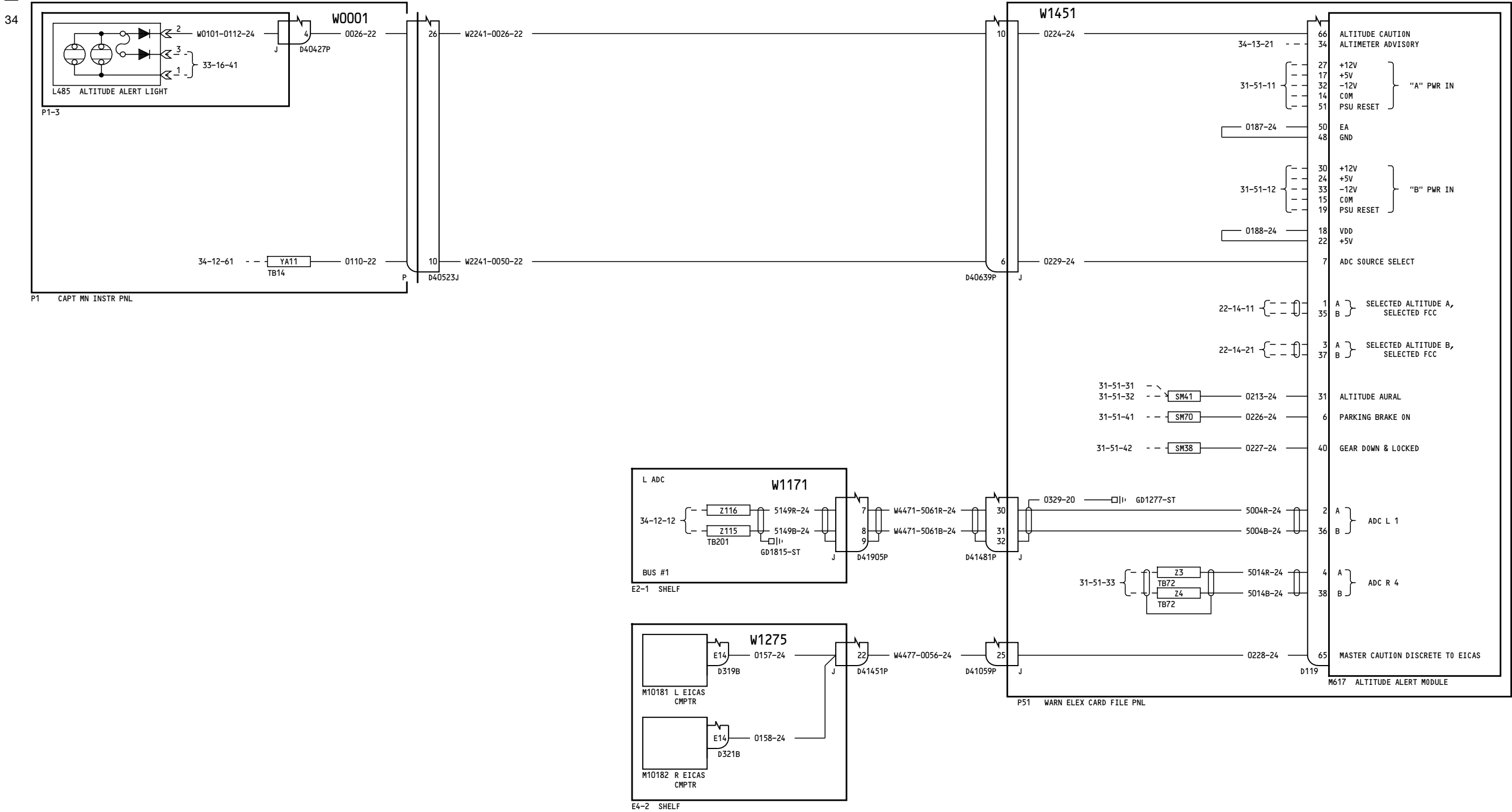
34-13-21

Jan 21/2005

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details.



ALL	ALTITUDE ALERT
	D280N032



001-011

ALTITUDE ALERT

34-16-11

Page 1.1

Dec 18/2007

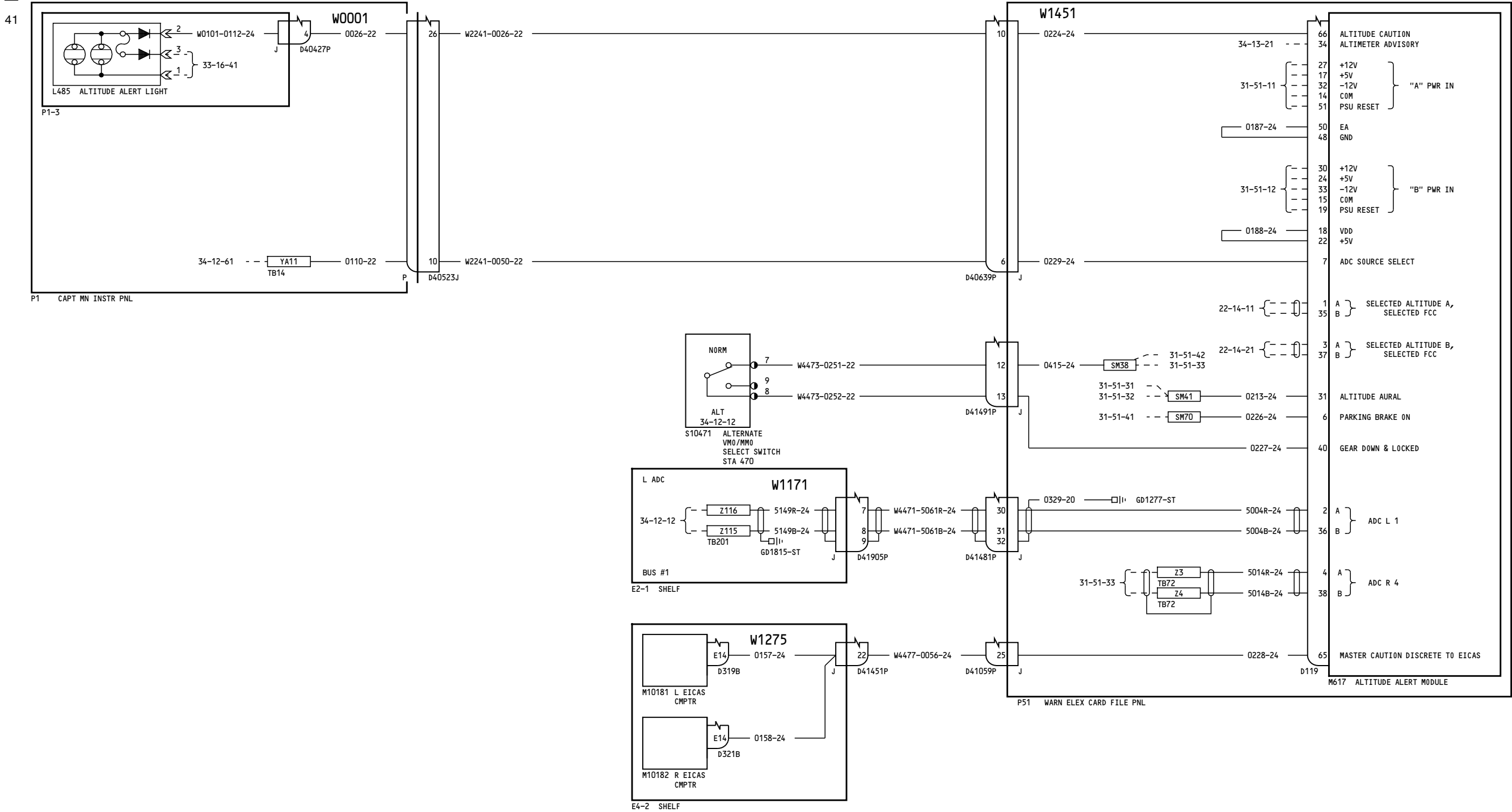
D280N032

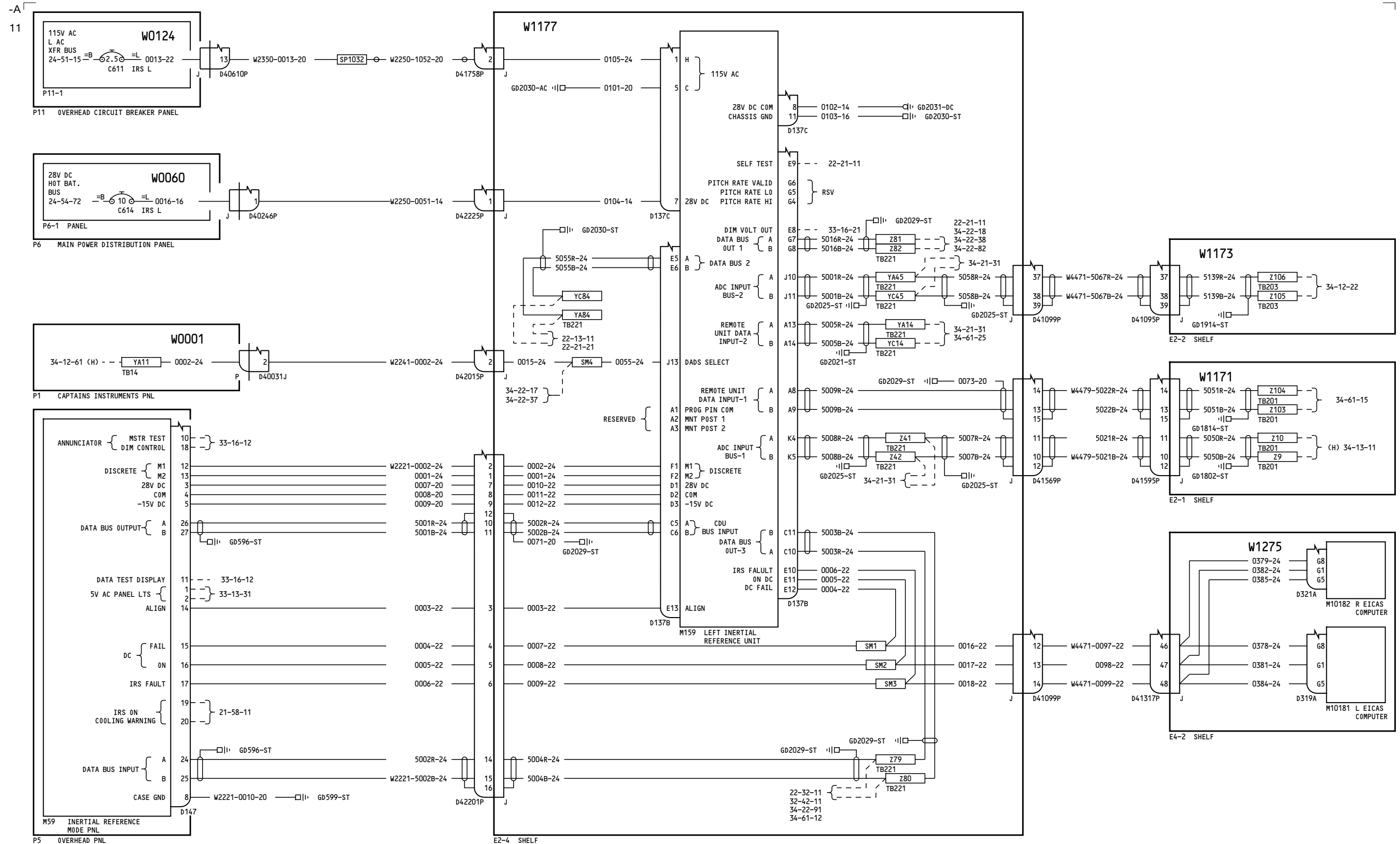
Incorporates
 34A0222

34-16-11

Page 1.1

Dec 18/2007





ALL

**IRS - LEFT
POWER AND CONTROL**

D280N032

34-21-11

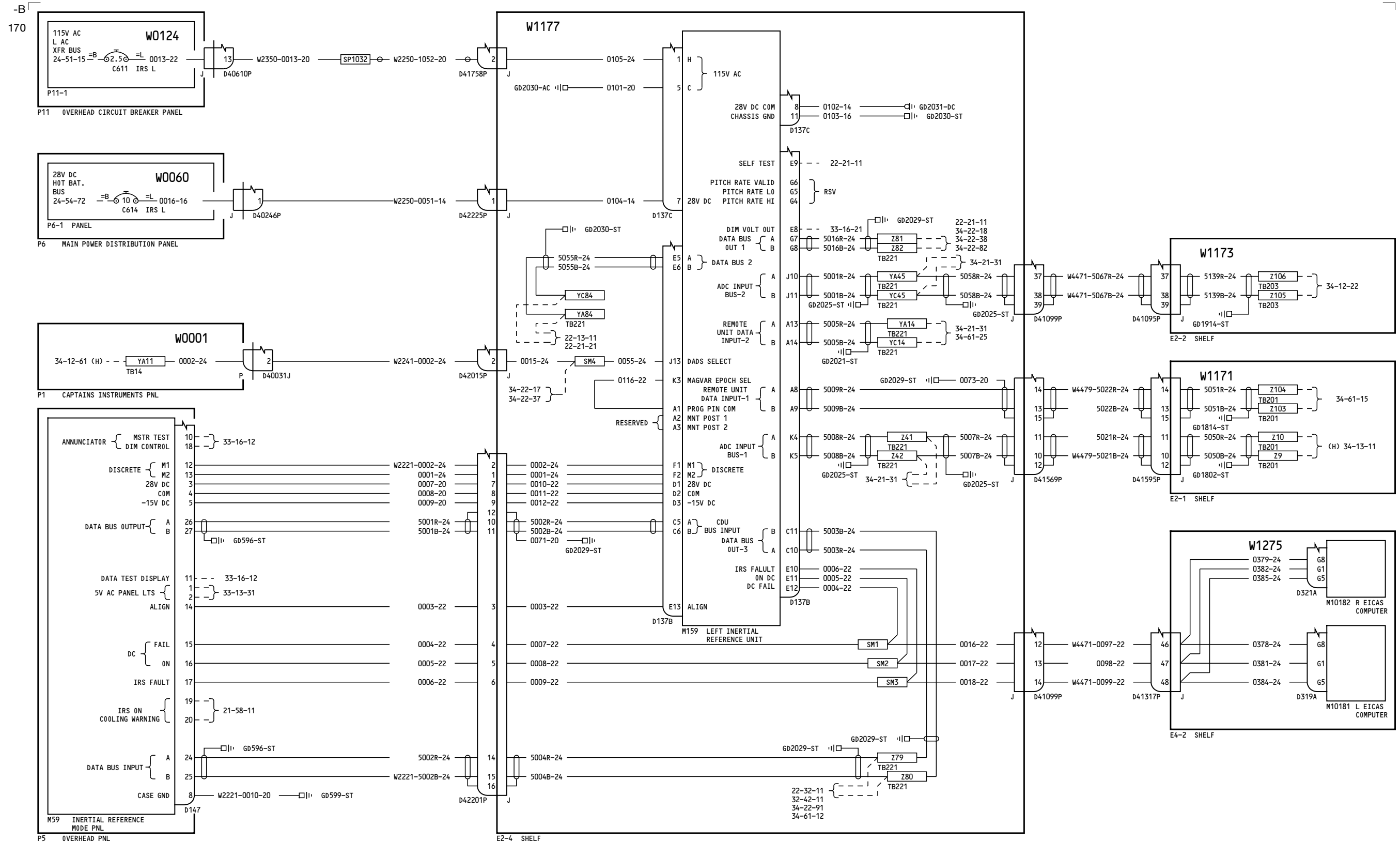
Page 1

Jan 21/2005

34-21-11

Page 1

Jan 21/2005



001-011

**IRS - LEFT
POWER AND CONTROL**

D280N032

34-21-11

Page 1.1

Oct 09/2008

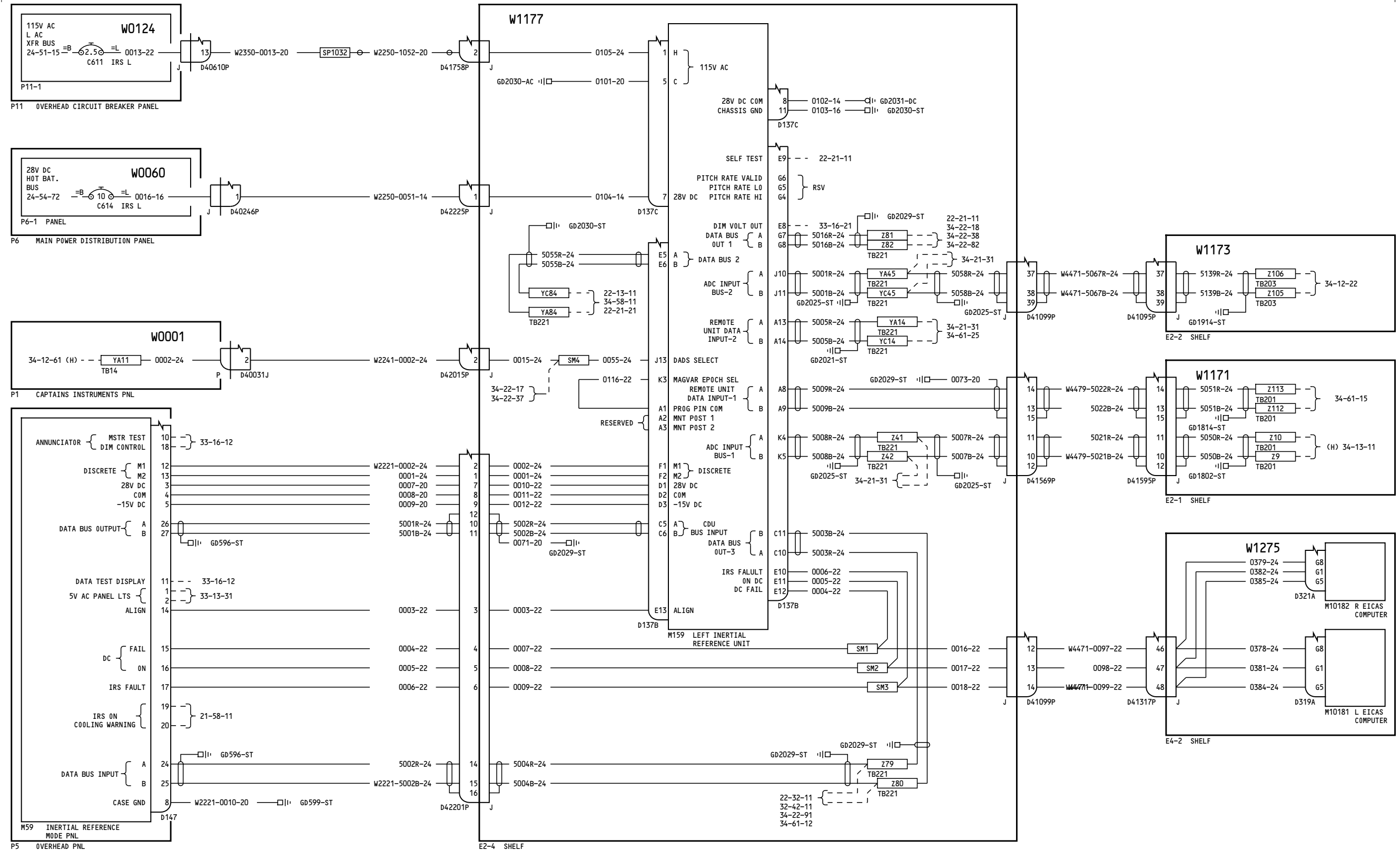
Incorporates

- 34-0303
34-0307 R01
34A0222

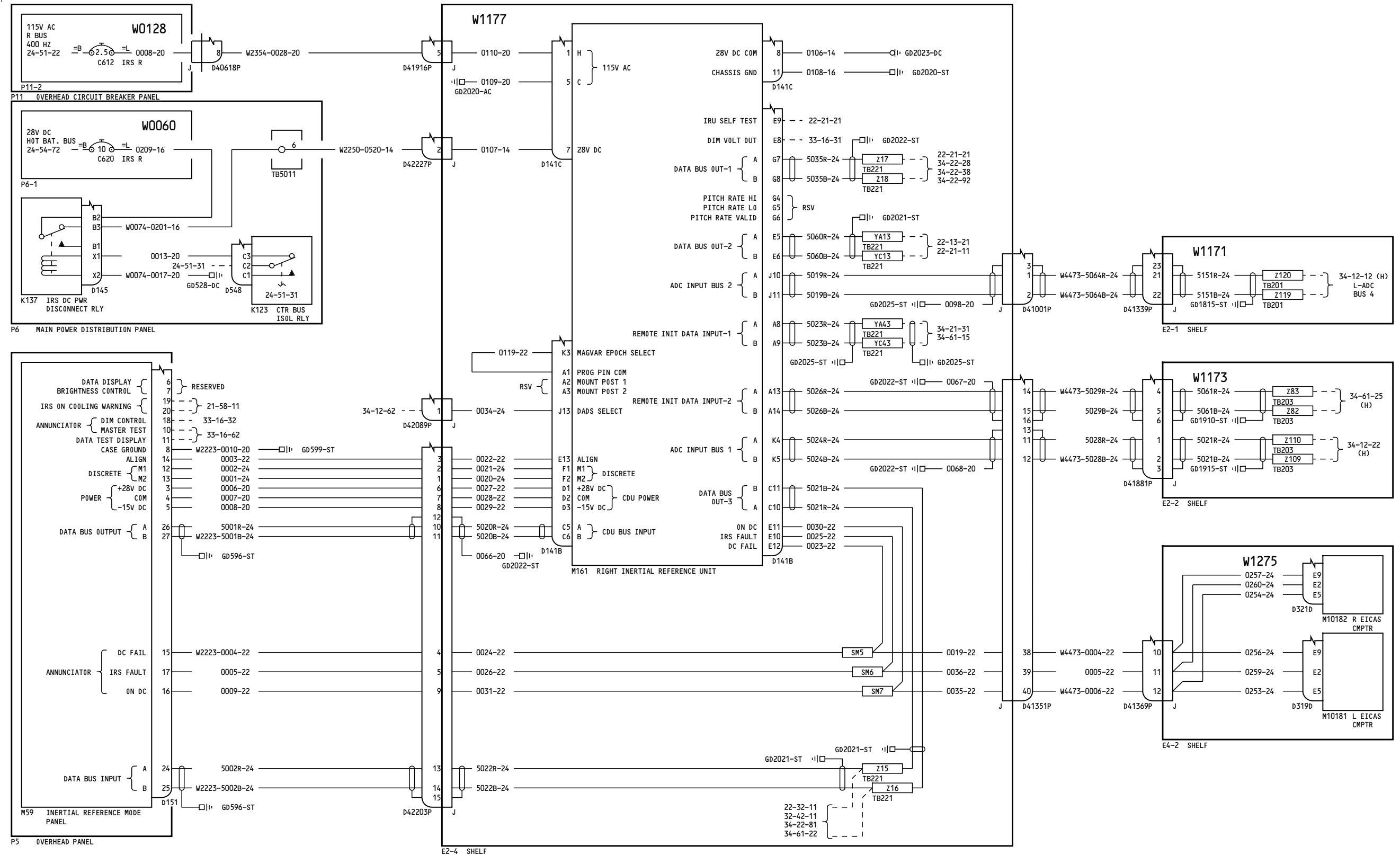
34-21-11

Page 1.1

Oct 09/2008







001, 003-011

**IRS - RIGHT
POWER AND CONTROL**

D280N032

34-21-21

Page 1.1

Oct 09/2008

Incorporates

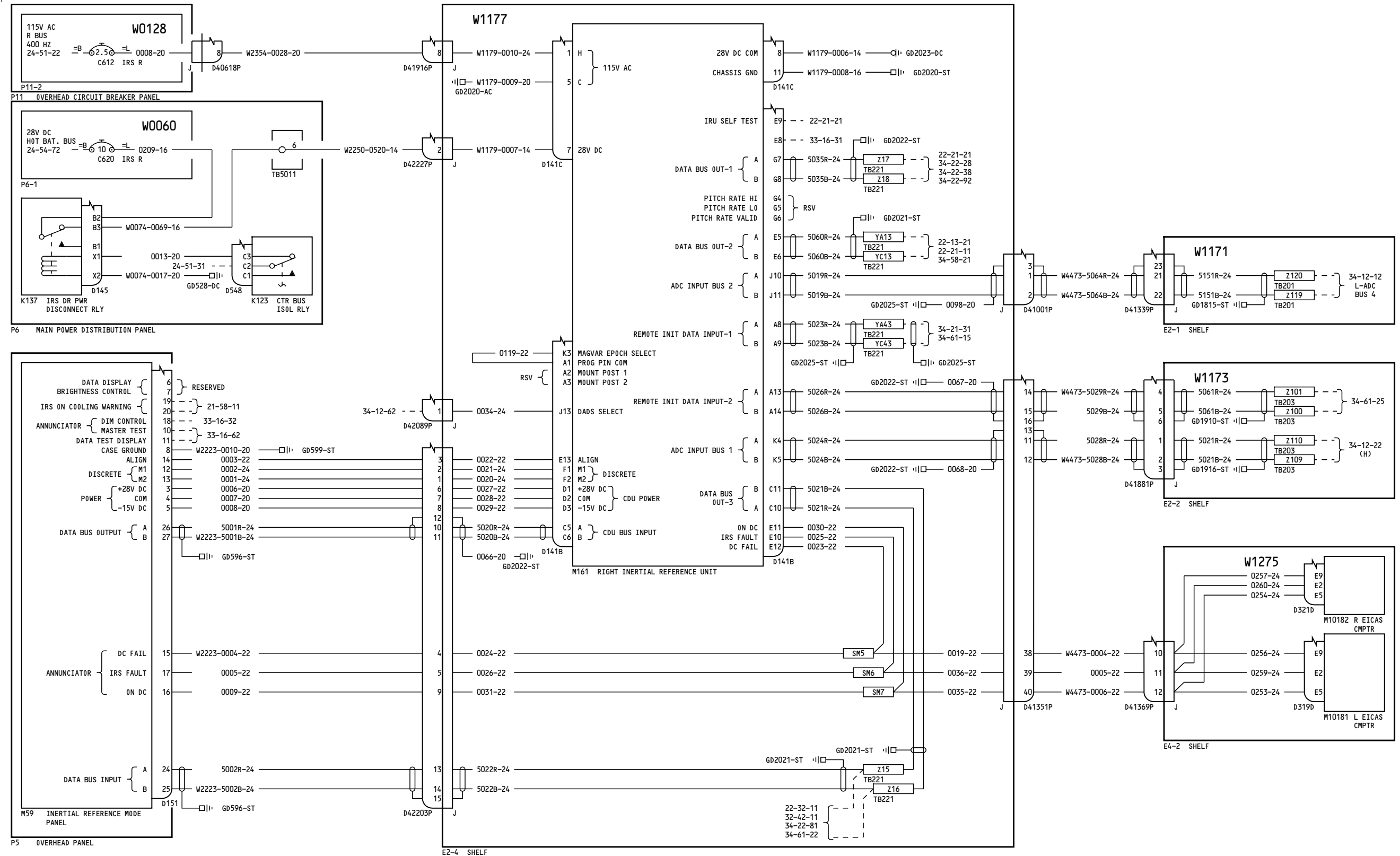
34-0303
34-0307 R01

34-21-21

Page 1.1

Oct 09/2008

-D 178



115

**IRS - RIGHT
POWER AND CONTROL**



D280N032

34-21-21

Page 2.1

Oct 09/2008

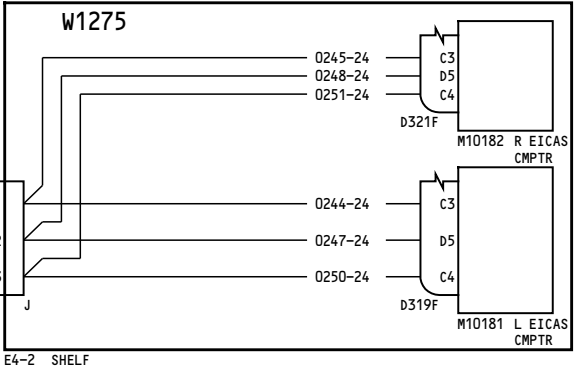
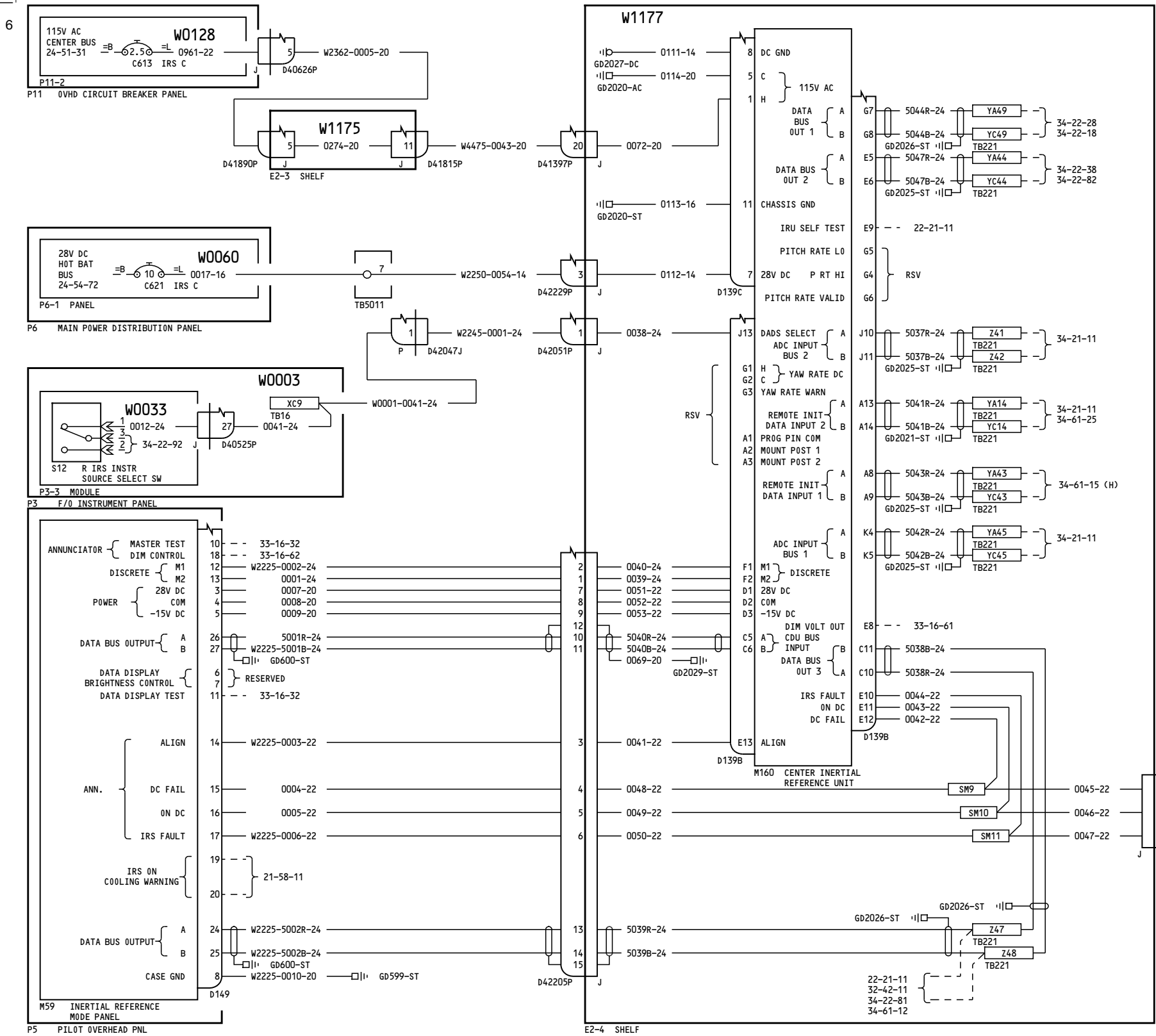
Incorporates

-  34-0303
 34-0307 R01
 34-0400
 34-0414
 34A0222

34-21-21

Page 2.1

Oct 09/2008



001-099

IRS - CENTER
POWER AND CONTROL

34-21-31

Page 1

D280N032

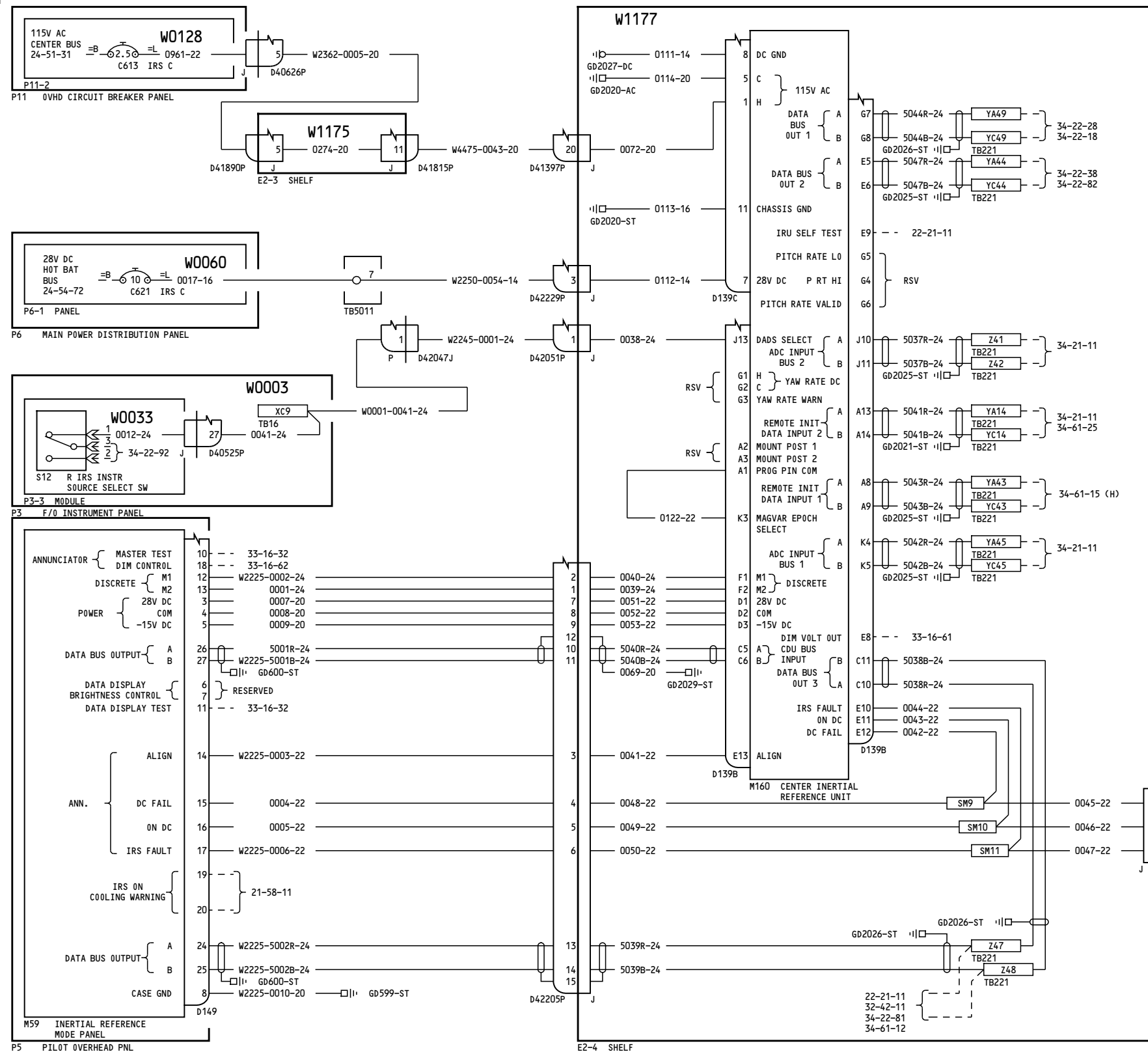
Jan 21/2005

34-21-31

Page 1

Jan 21/2005

178



001-011

**IRS - CENTER
POWER AND CONTROL**

34-21-31

Page 1.1

Oct 09/2008

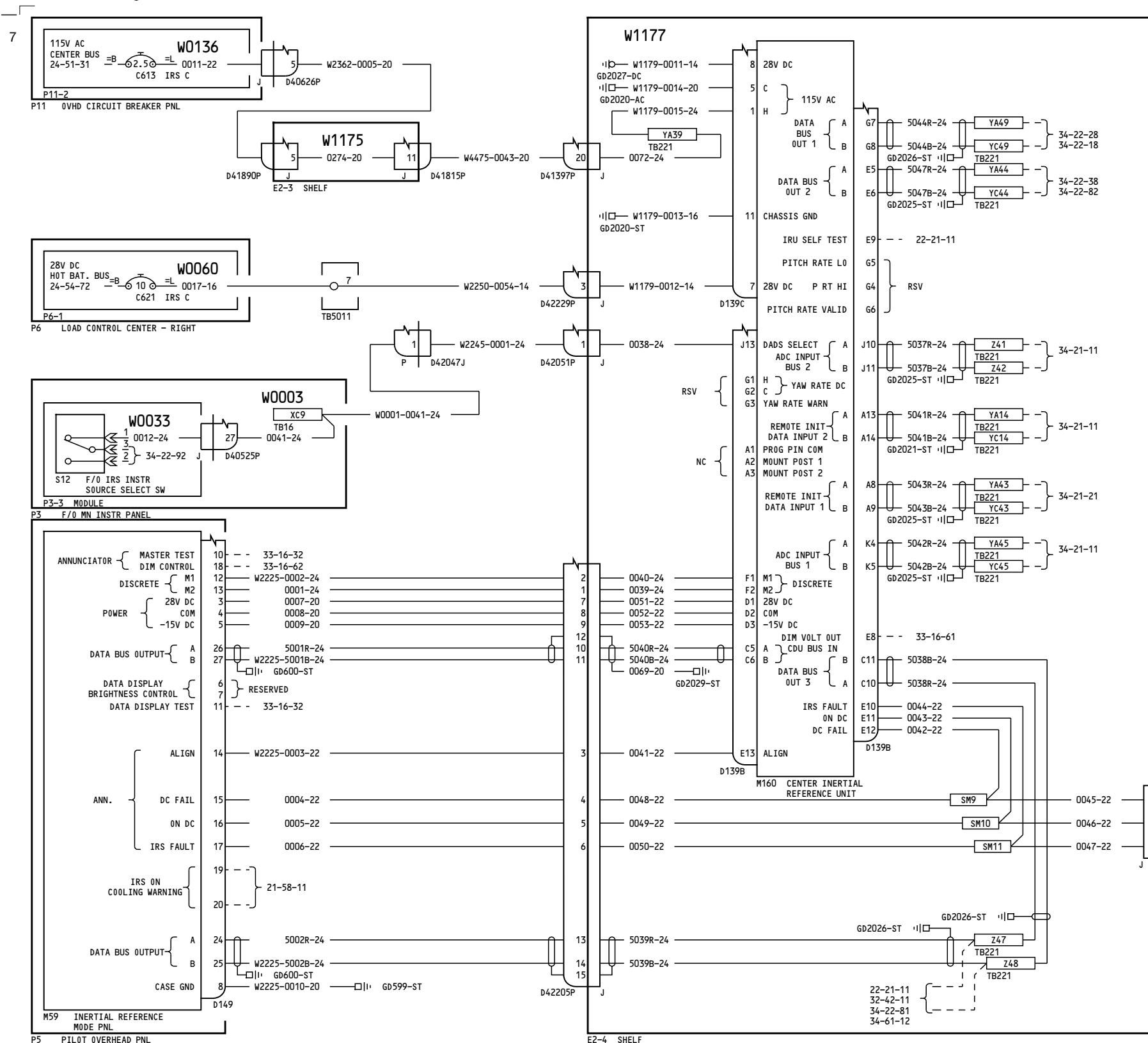
D280N032

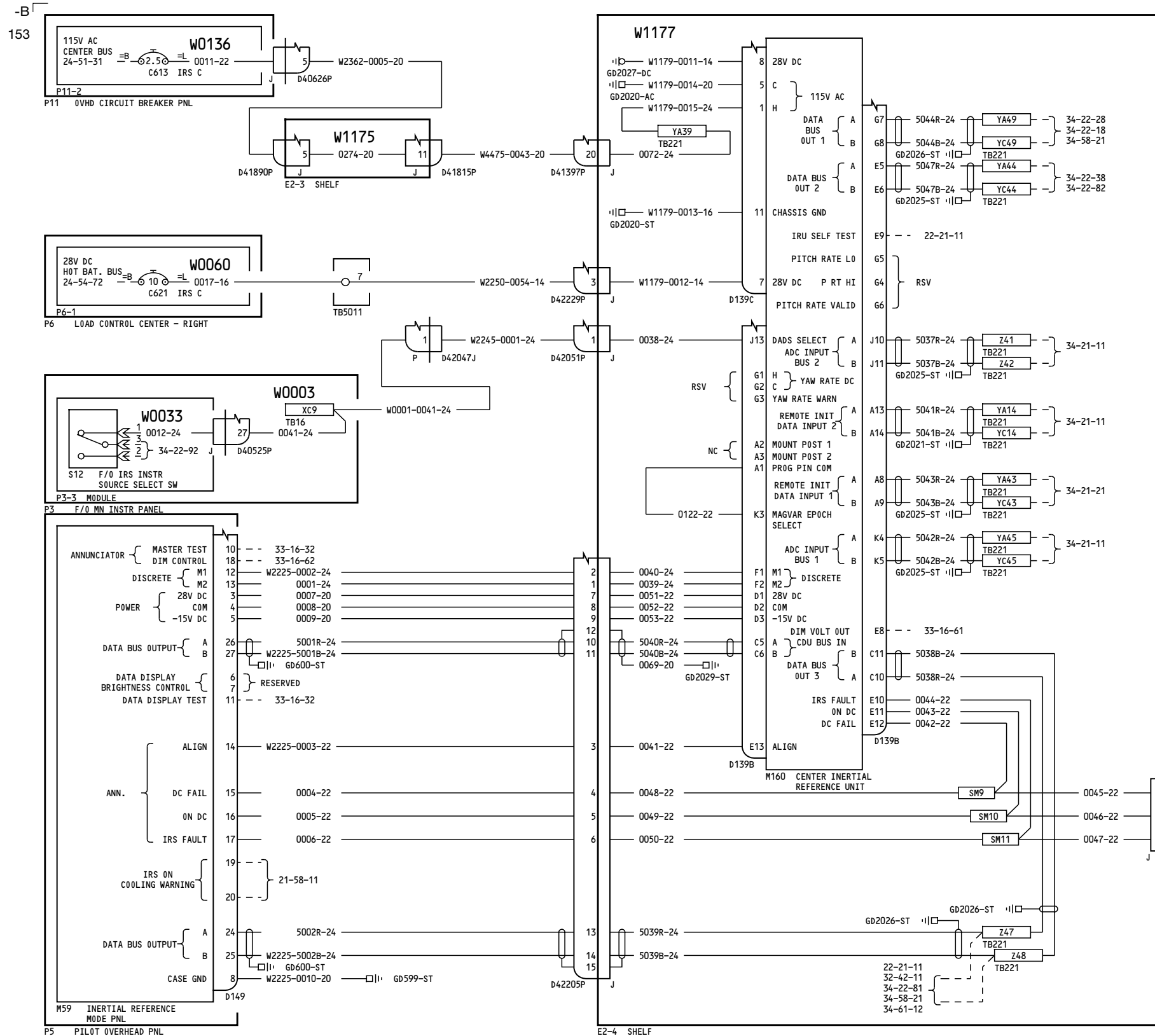
Incorporates
34-0303
34-0307 R01

34-21-31

Page 1.1

Oct 09/2008





115

IRS - CENTER POWER AND CONTROL

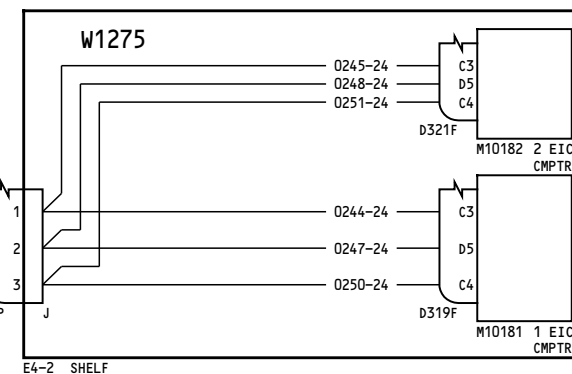
D280N032

34-21-31

Page 2.1

Oct 09/2008

Incorporates
 34-0303
 34-0307 R01
 34-0400



34-21-31

Page 2.1

Oct 09/2008



34-22-14

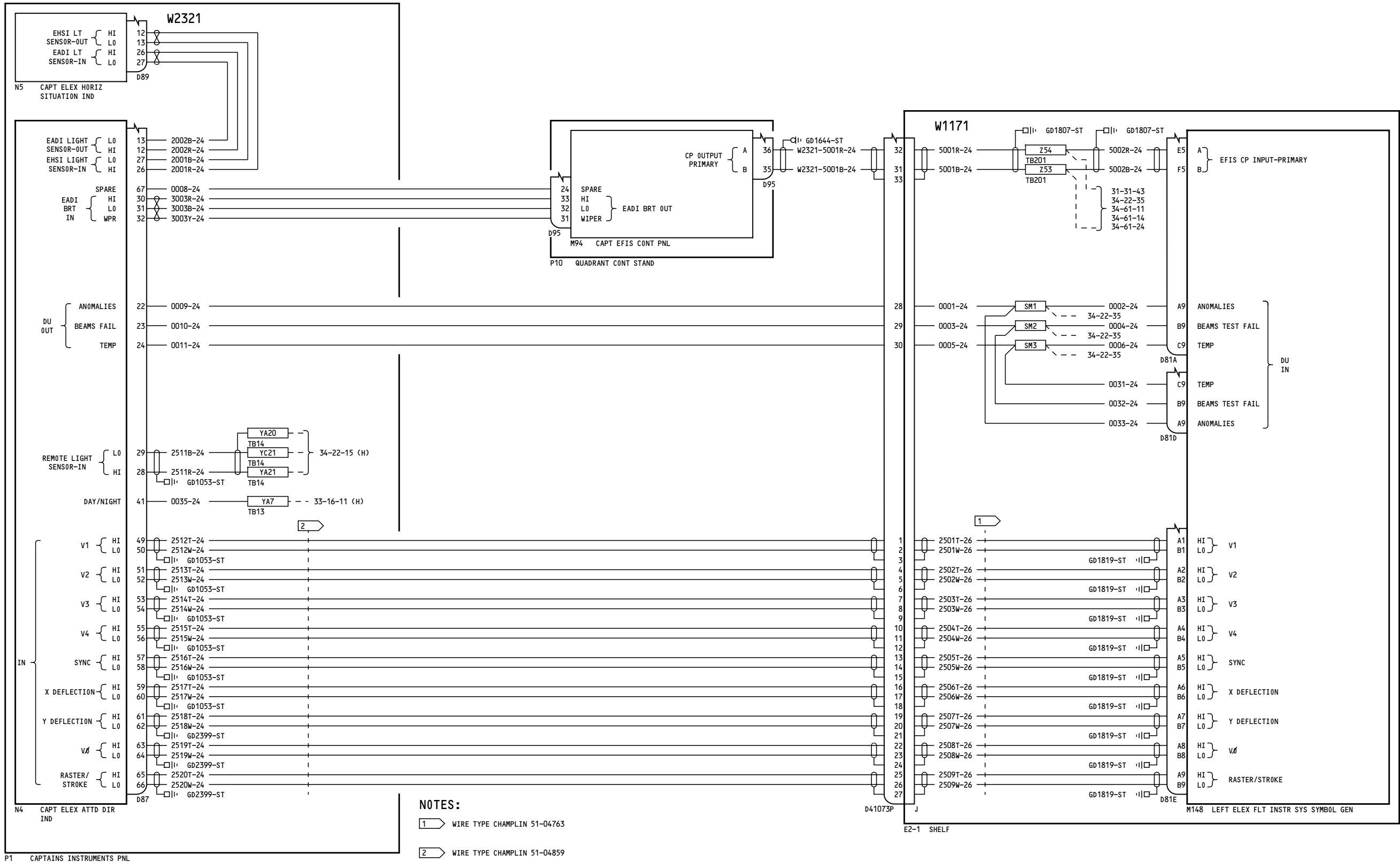
Jan 21/2005

D280N032

34-22-14

Jan 21/2005

92



002

EFIS SG/CP/EADI DU
INTERFACE - LEFT

34-22-14

Page 1.1

Jan 21/2005

D280N032

Incorporates
34-0200

34-22-14

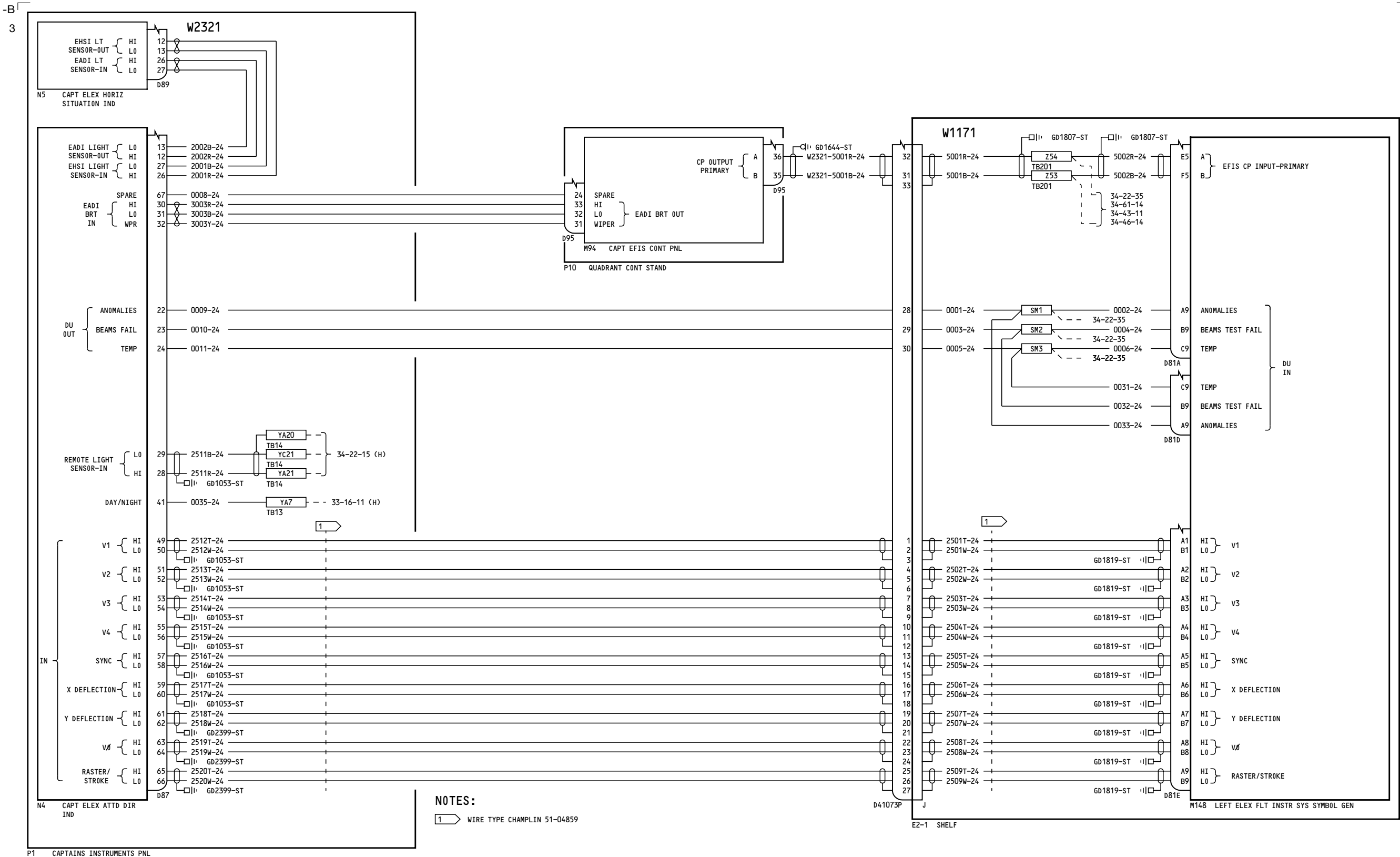
Page 1.1

Jan 21/2005

[illegible]

Jan 21/2005

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details.



115-199

EFIS SG/CP/EADI DU
INTERFACE - LEFT

34-22-14

Page 2

Jan 21/2005

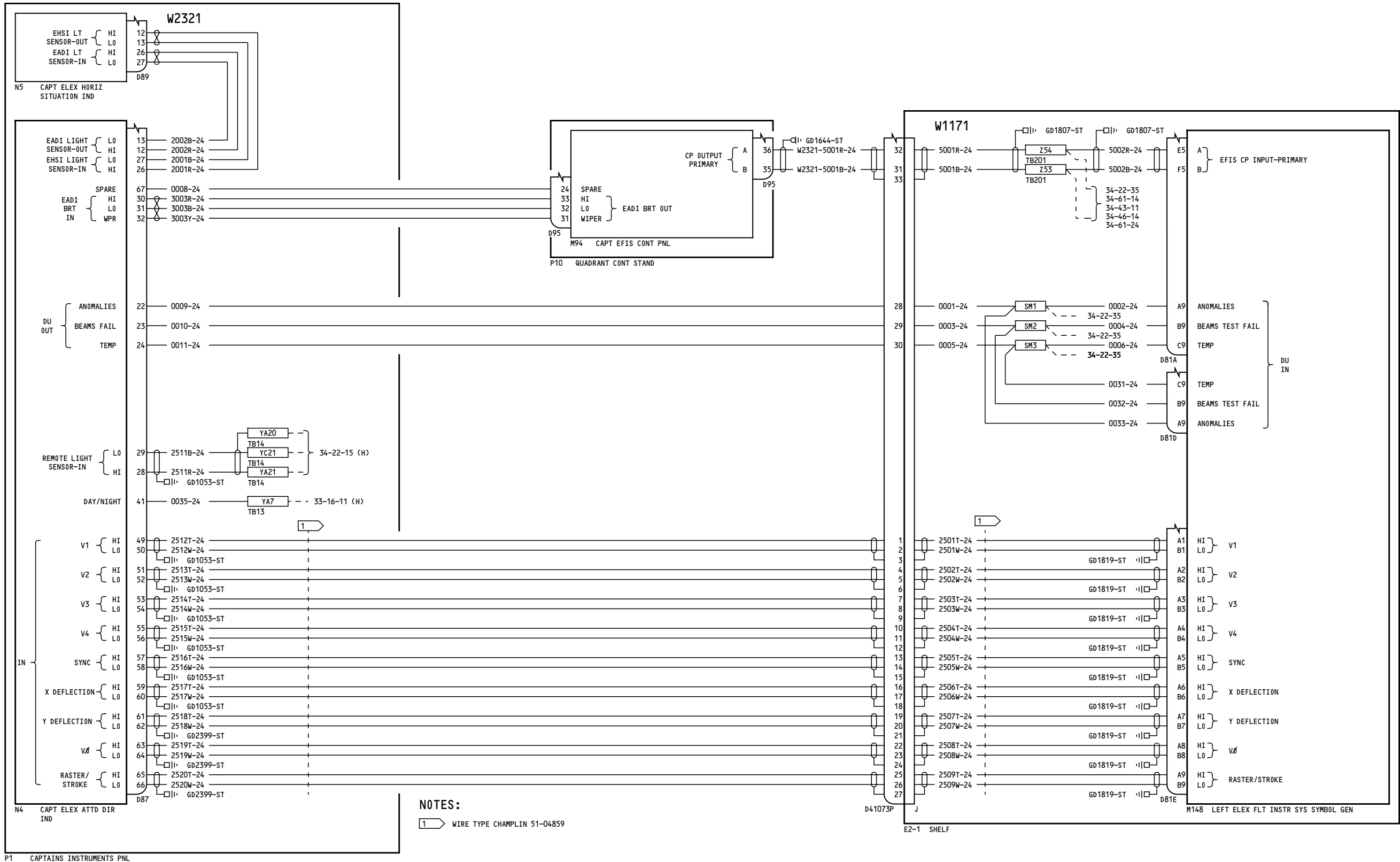
D280N032

34-22-14

Page 2

Jan 21/2005

120



115

EFIS SG/CP/EADI DU INTERFACE - LEFT

D280N032

34-22-14

Page 2.1

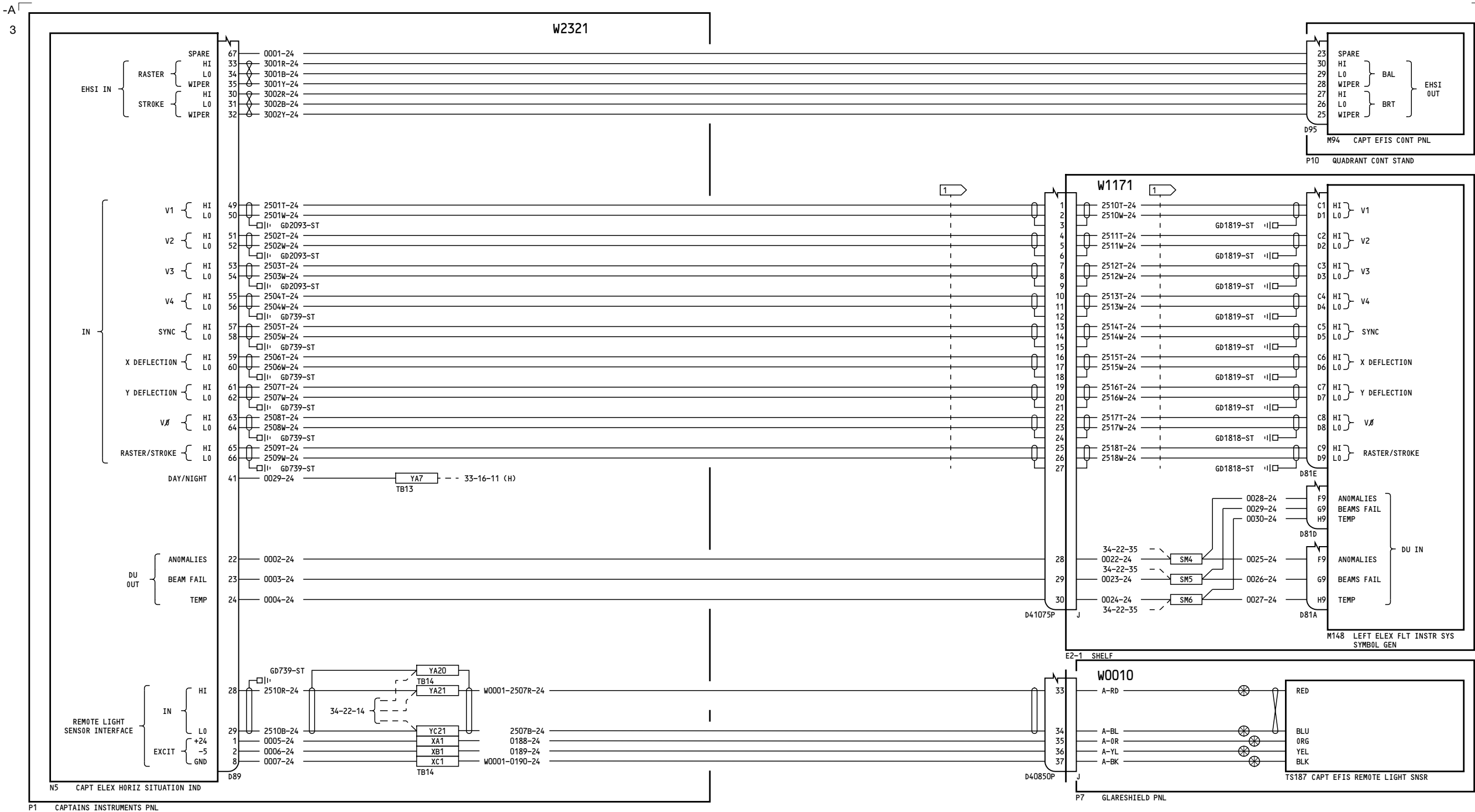
Dec 18/2007

Incorporates 34-0414

34-22-14

Page 2.1

Dec 18/2007



NOTES:

1 WIRE TYPE CHAMPLIN 51-04859

ALL

EFIS SG/CP/EHSI DU
INTERFACE - CHANNEL LEFT

34-22-15

Page 1

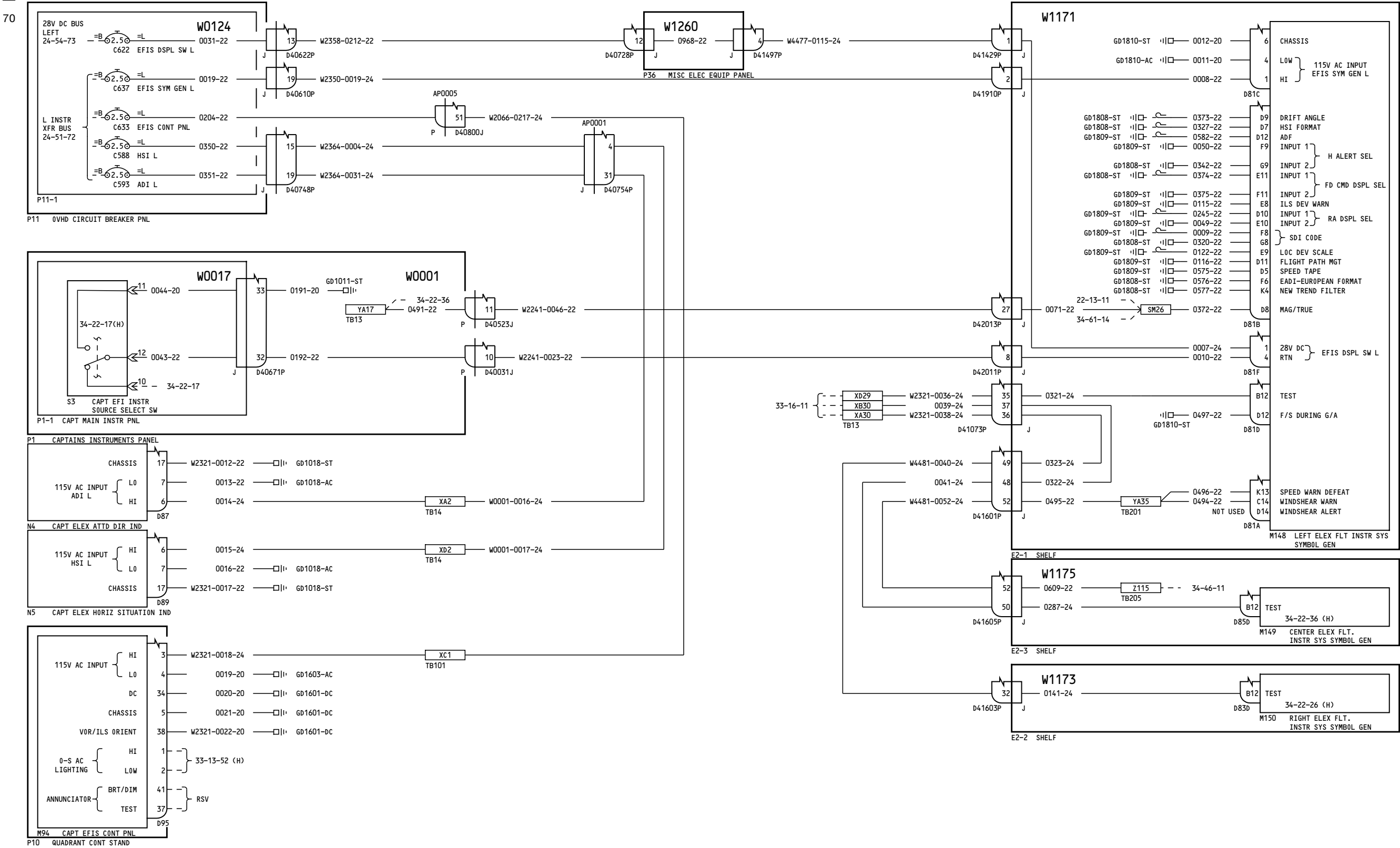
Jan 21/2005

D280N032

34-22-15

Page 1

Jan 21/2005



001

EFIS POWER/LIGHTING/
PROGRAM PINS - LEFT

34-22-16

Page 1

D280N032

Jan 21/2005

34-22-16

Page 1

Jan 21/2005



34-22-16

Page 2

Jan 21/2005

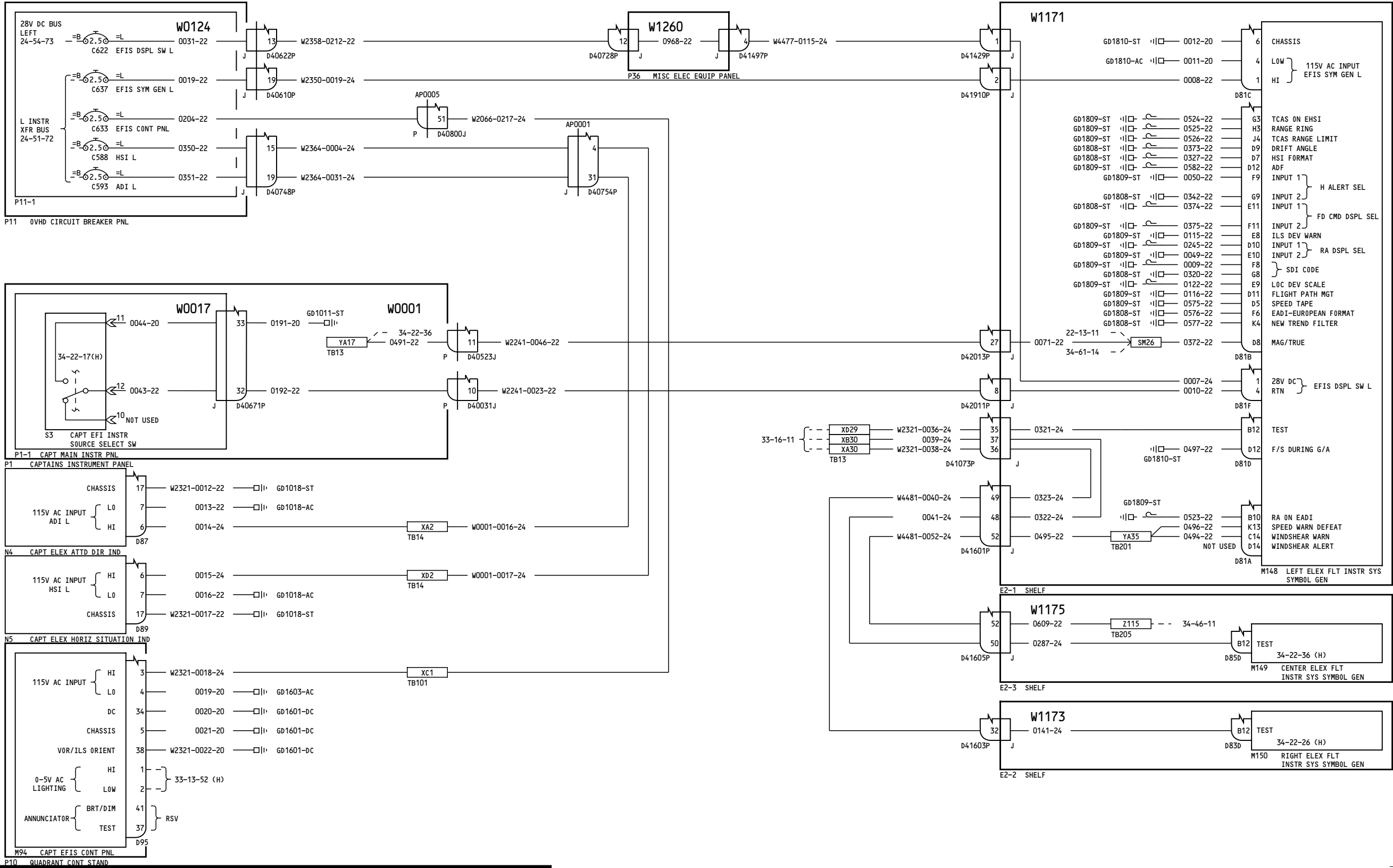
D280N032

34-22-16

Page 2

Jan 21/2005

87



003-006

EFIS POWER/LIGHTING/
PROGRAM PINS - LEFT

34-22-16

Page 3

D280N032

Jan 21/2005

34-22-16

Page 3

Jan 21/2005



EFIS POWER/LIGHTING/ PROGRAM PINS - LEFT

34-22-16

Page 4

Jan 21/2005

D280N032

34-22-16

Page 4

Jan 21/2005



34-22-16

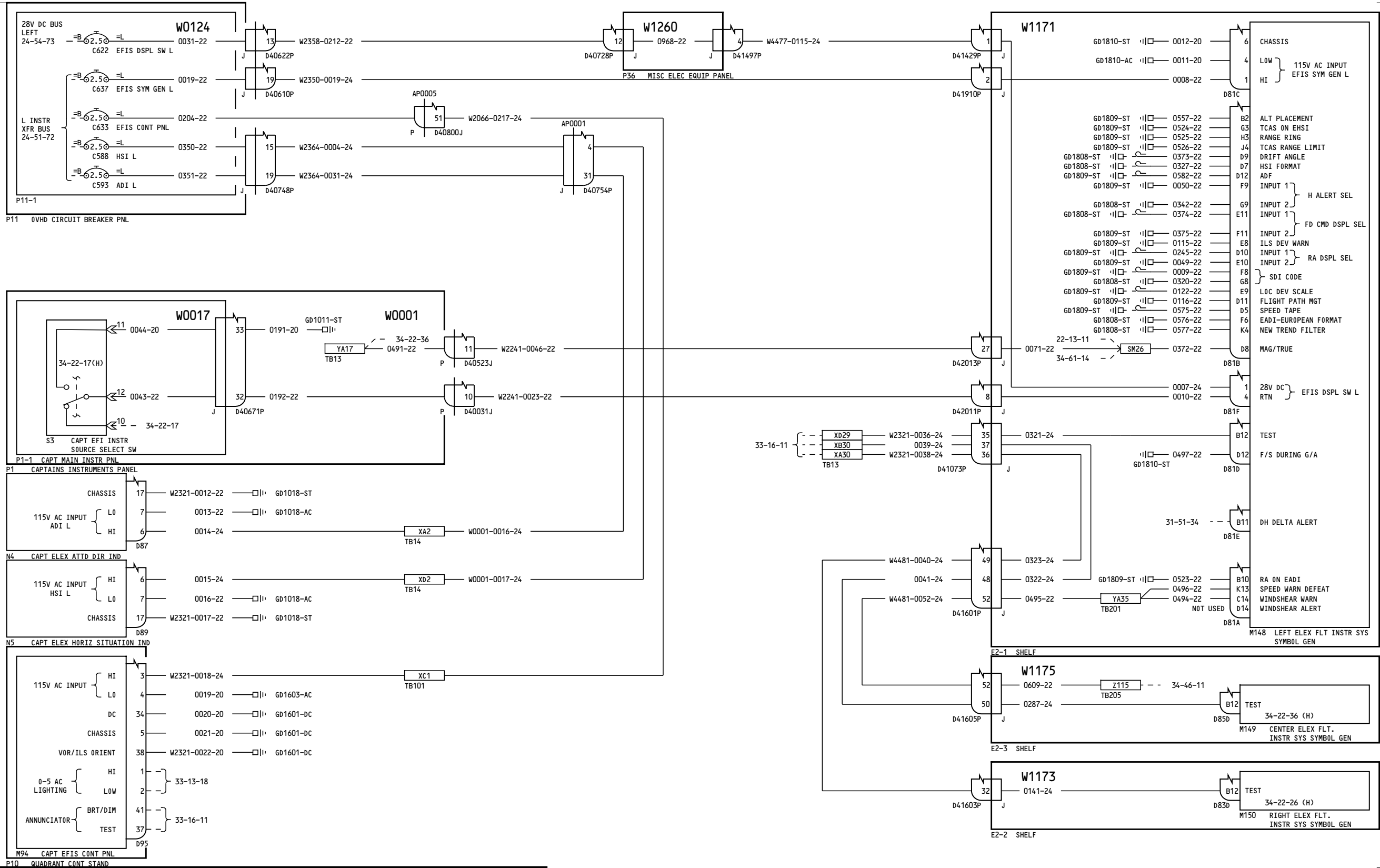
D280N032

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details.

34-22-16

Jan 21/2005

192



009

EFIS POWER/LIGHTING/
PROGRAM PINS - LEFT

34-22-16

Page 5.1

Jan 21/2005

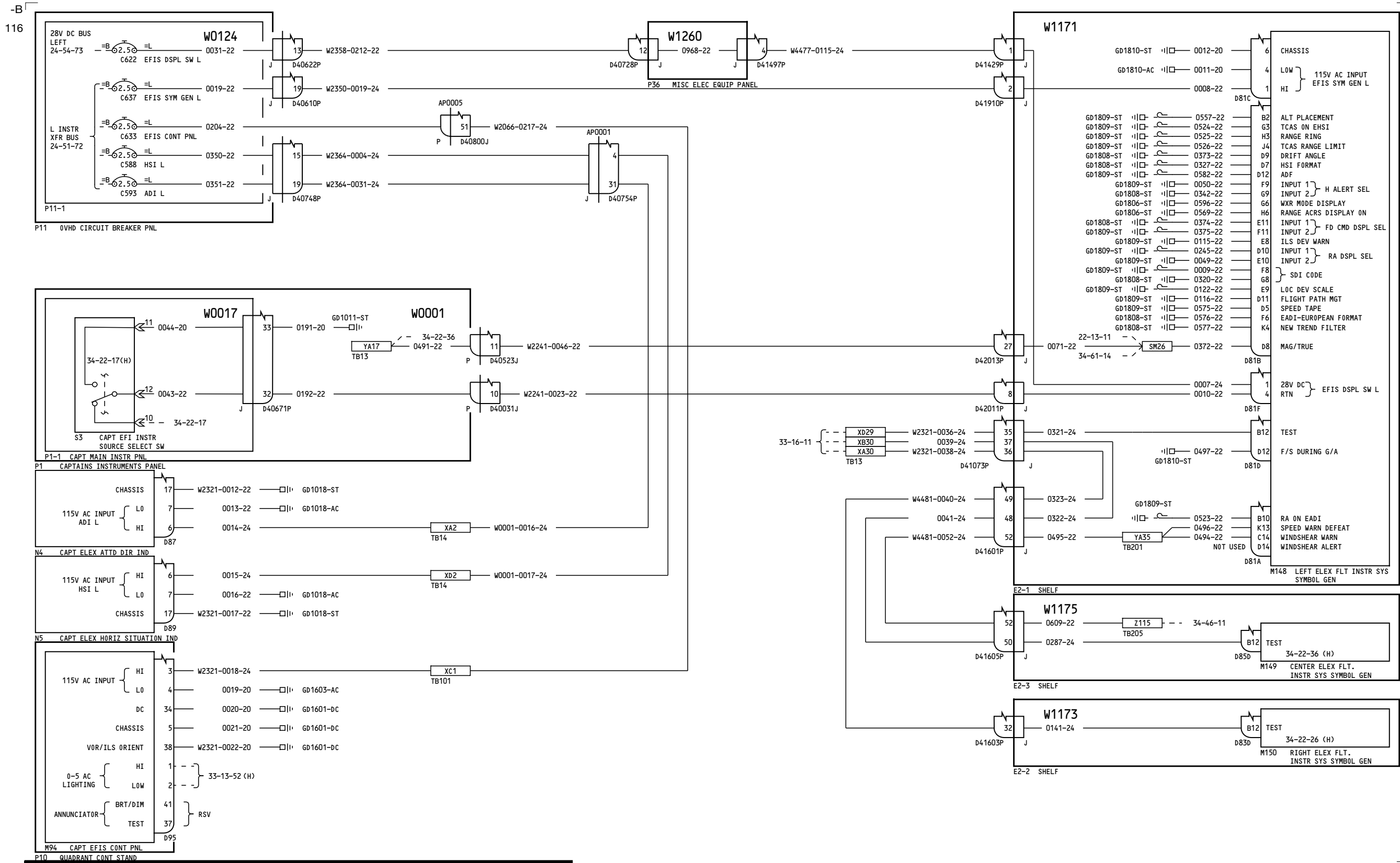
D280N032

Incorporates
34-0097

34-22-16

Page 5.1

Jan 21/2005



010-099

**EFIS POWER/LIGHTING/
PROGRAM PINS - LEFT**

34-22-16

Page 6

D280N032

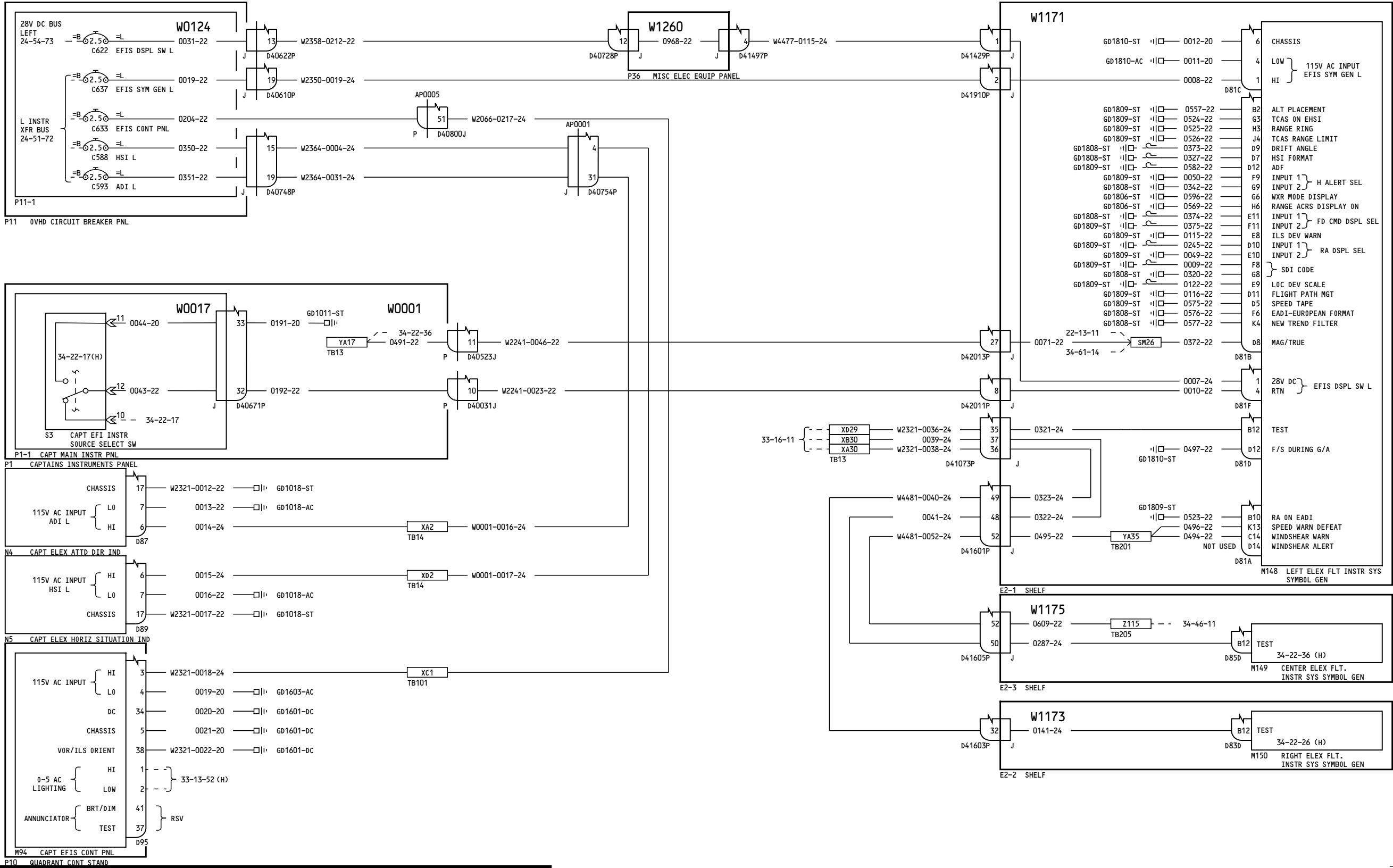
Jan 21/2005

34-22-16

Page 6

Jan 21/2005

193



010-011

**EFIS POWER/LIGHTING/
PROGRAM PINS - LEFT**

34-22-16

Page 6.1

Jan 21/2005

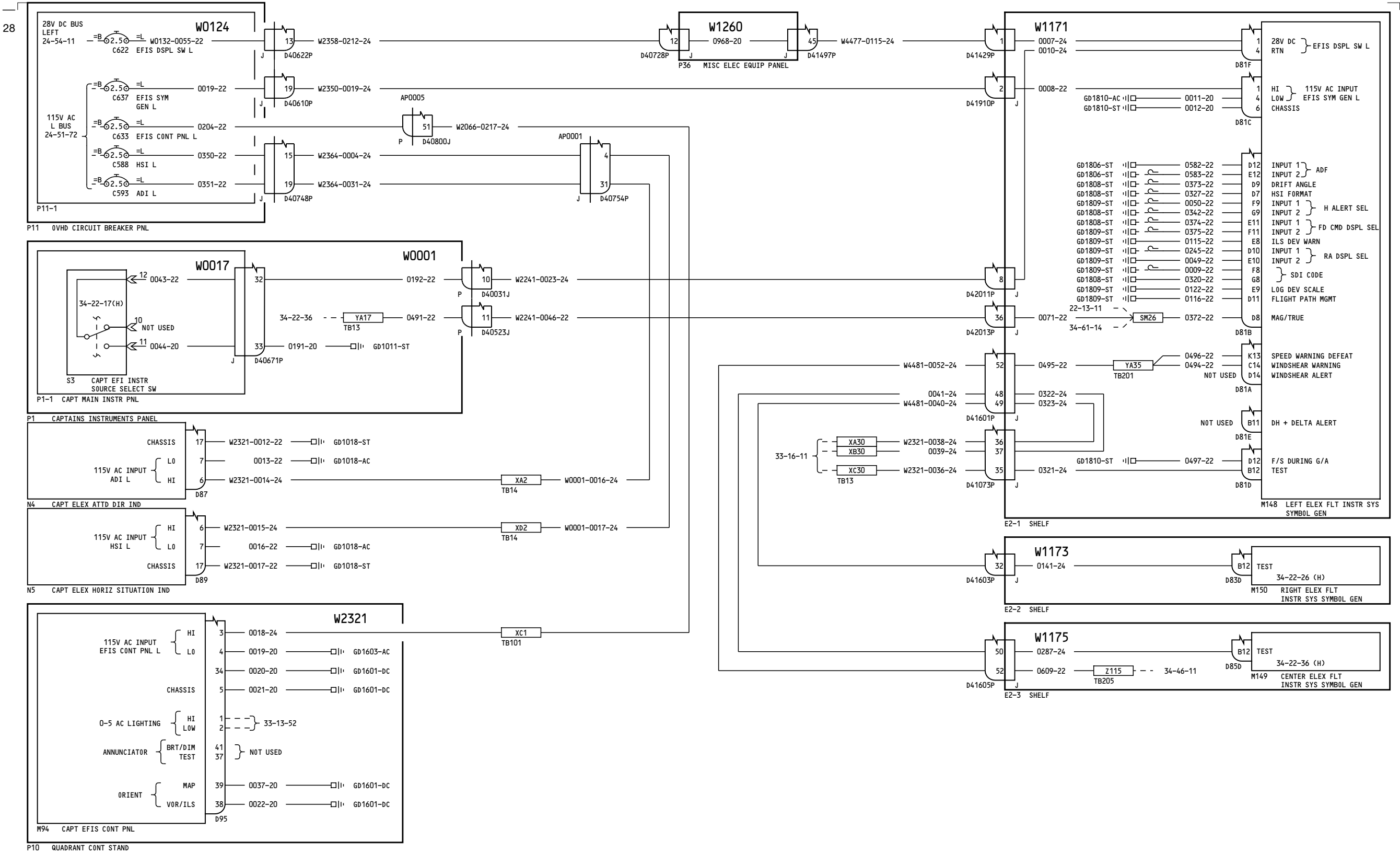
D280N032

Incorporates
34-0097

34-22-16

Page 6.1

Jan 21/2005



115-199

**EFIS POWER/LIGHTING/
PROGRAM PINS - LEFT**

34-22-16

Page 7

Jan 21/2005

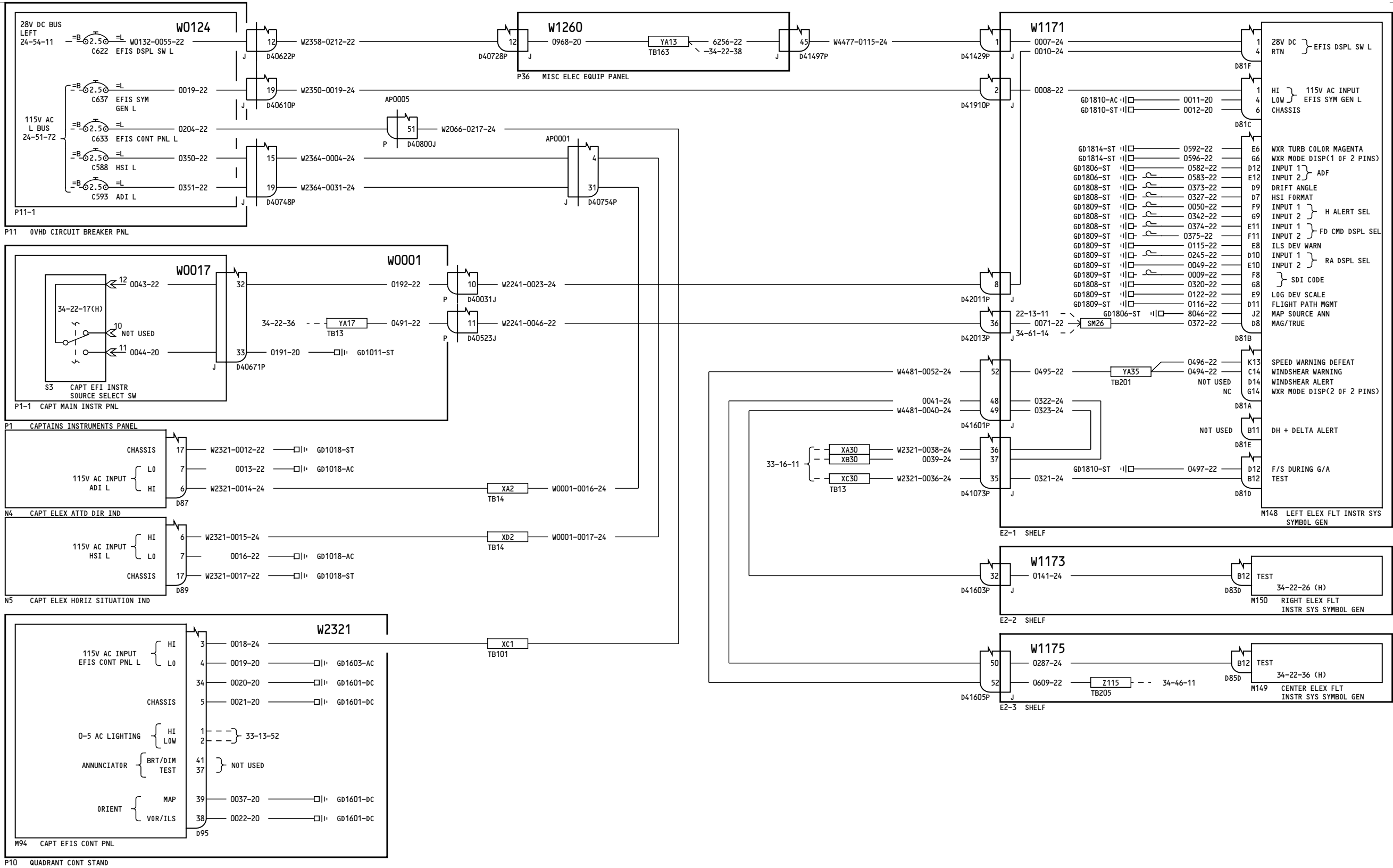
D280N032

34-22-16

Page 7

Jan 21/2005

471



115

EFIS POWER/LIGHTING/
PROGRAM PINS - LEFT

34-22-16

Page 7.1

Dec 18/2007

D280N032

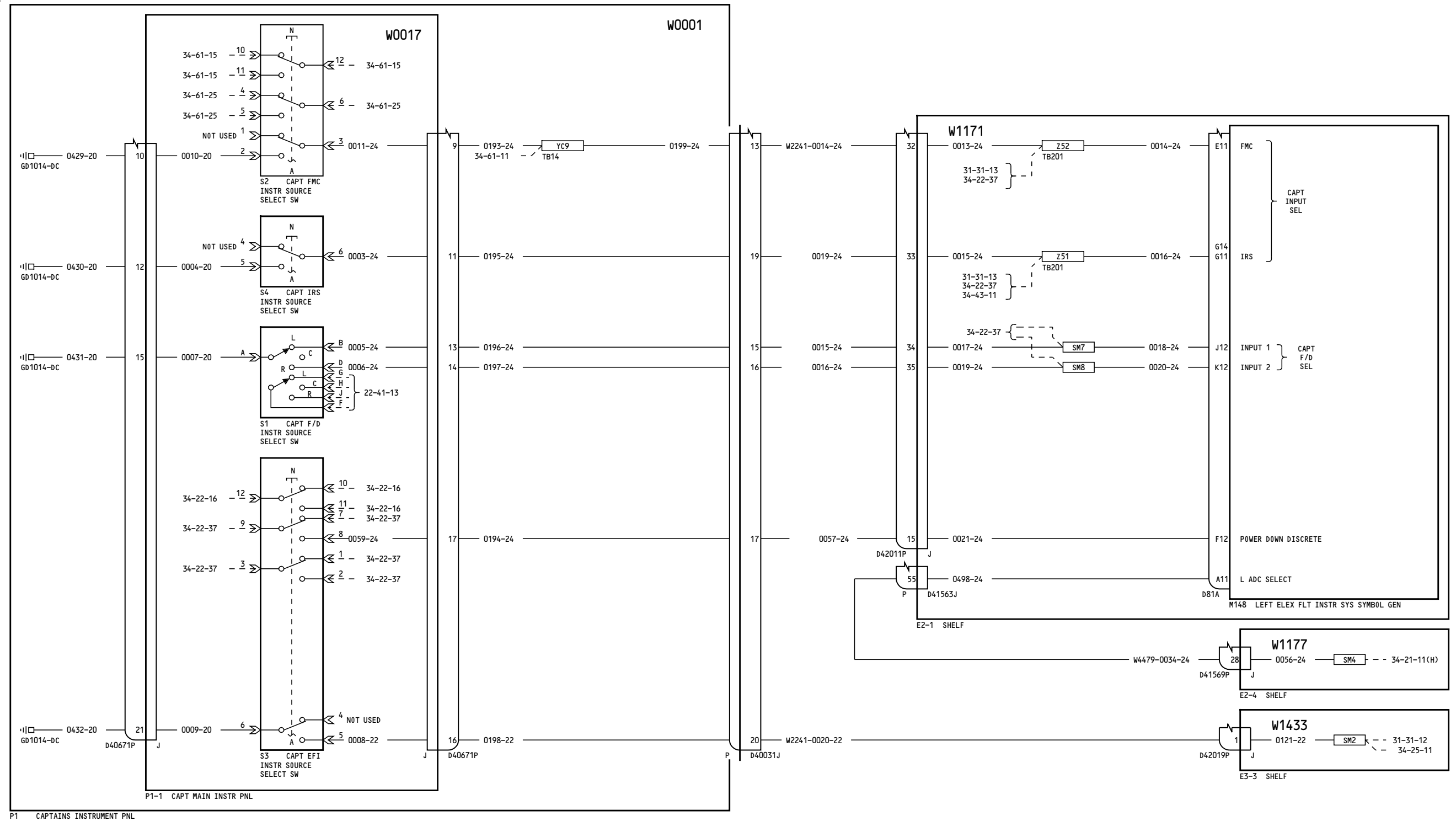
Incorporates
34-0394
34-0414

34-22-16

Page 7.1

Dec 18/2007

21



001-008, 010-099

**EFIS INSTRUMENT SWITCHING
INTERFACE - LEFT**

D280N032

34-22-17

Page 1

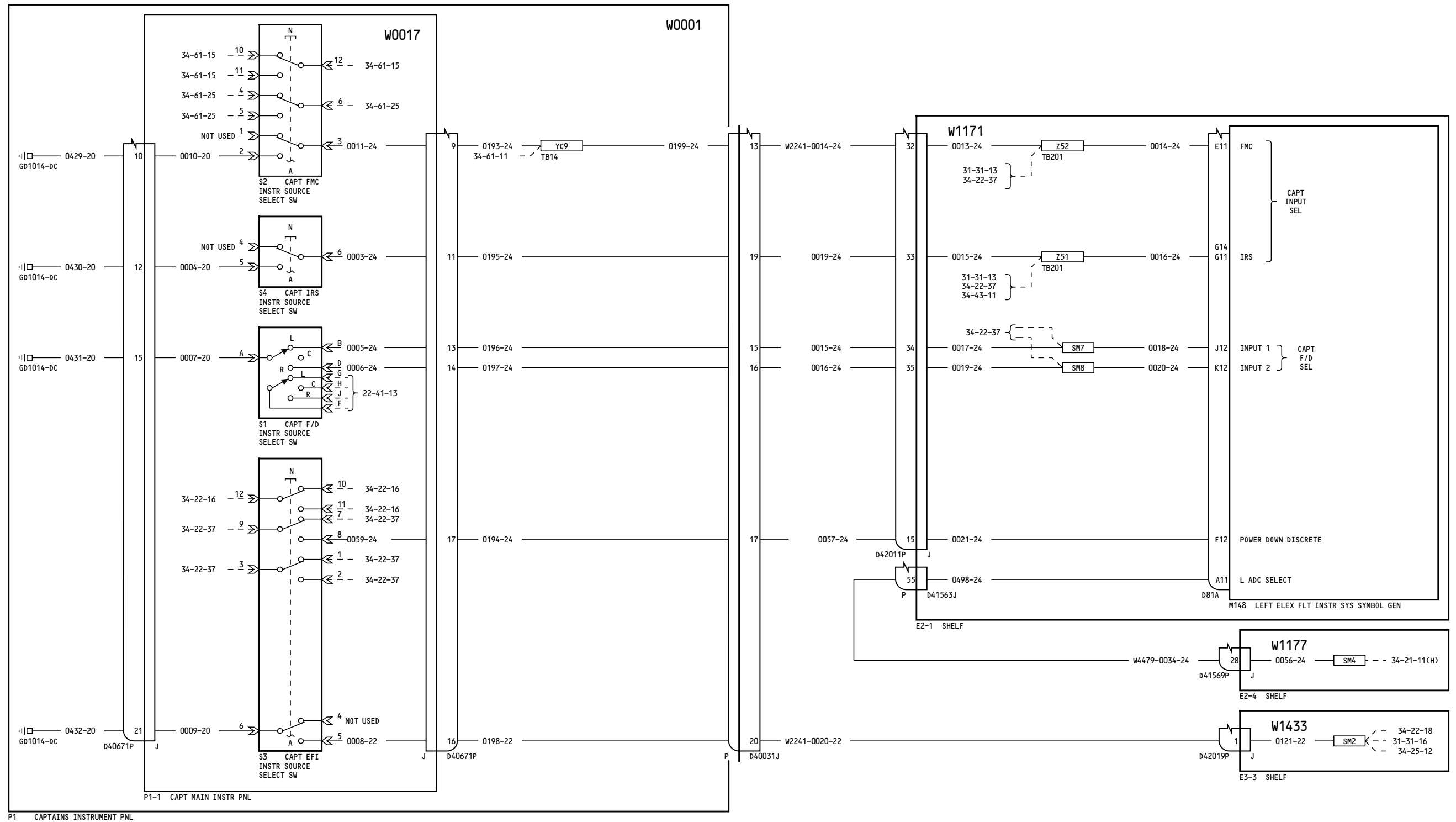
Jan 21/2005

34-22-17

Page 1

Jan 21/2005

116



002

**EFIS INSTRUMENT SWITCHING
INTERFACE - LEFT**

D280N032

34-22-17

Page 1.1

Jan 21/2005

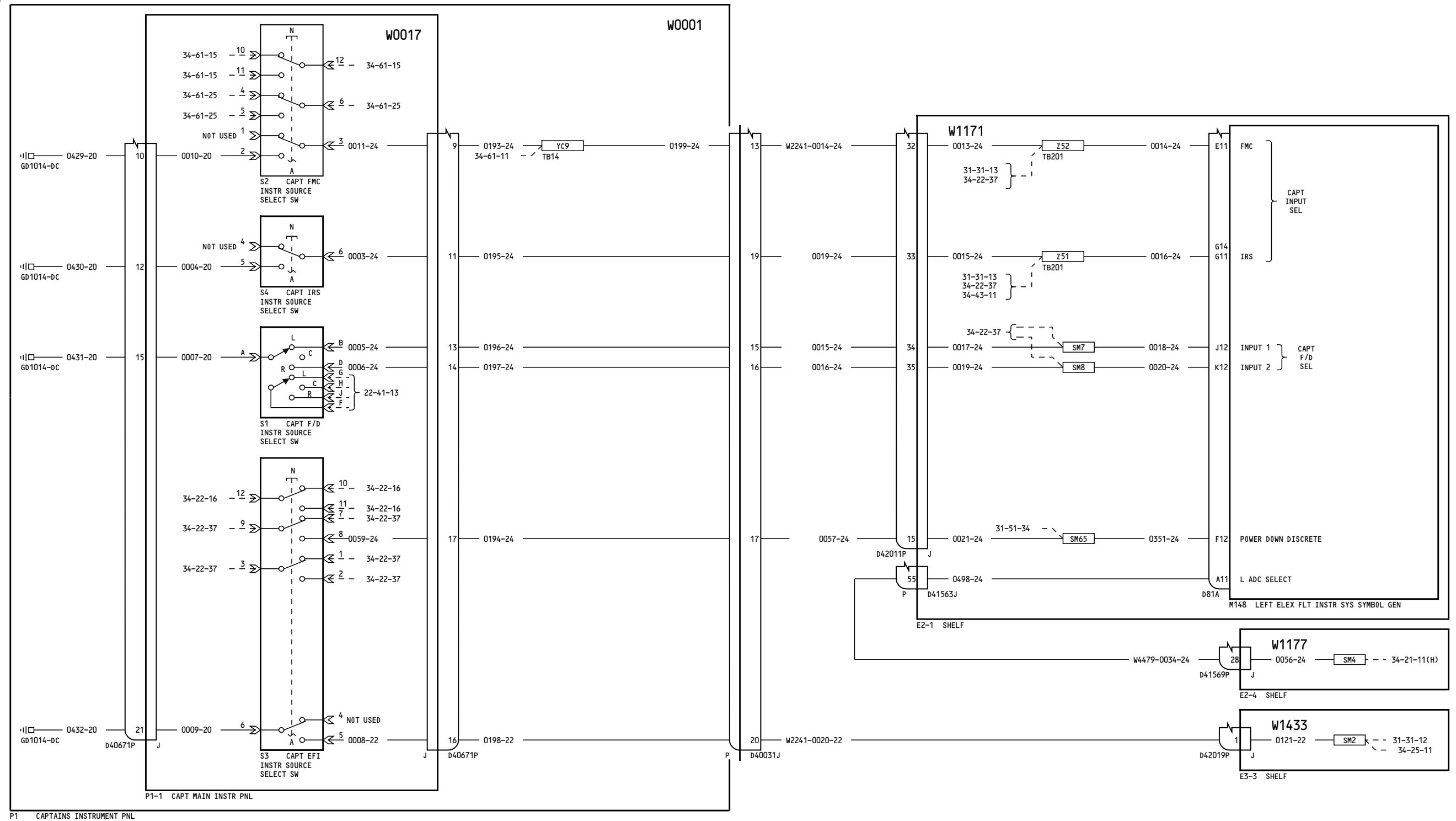
Incorporates
34-0200

34-22-17

Page 1.1

Jan 21/2005

34



009

**EFIS INSTRUMENT SWITCHING
INTERFACE - LEFT**

D280N032

34-22-17

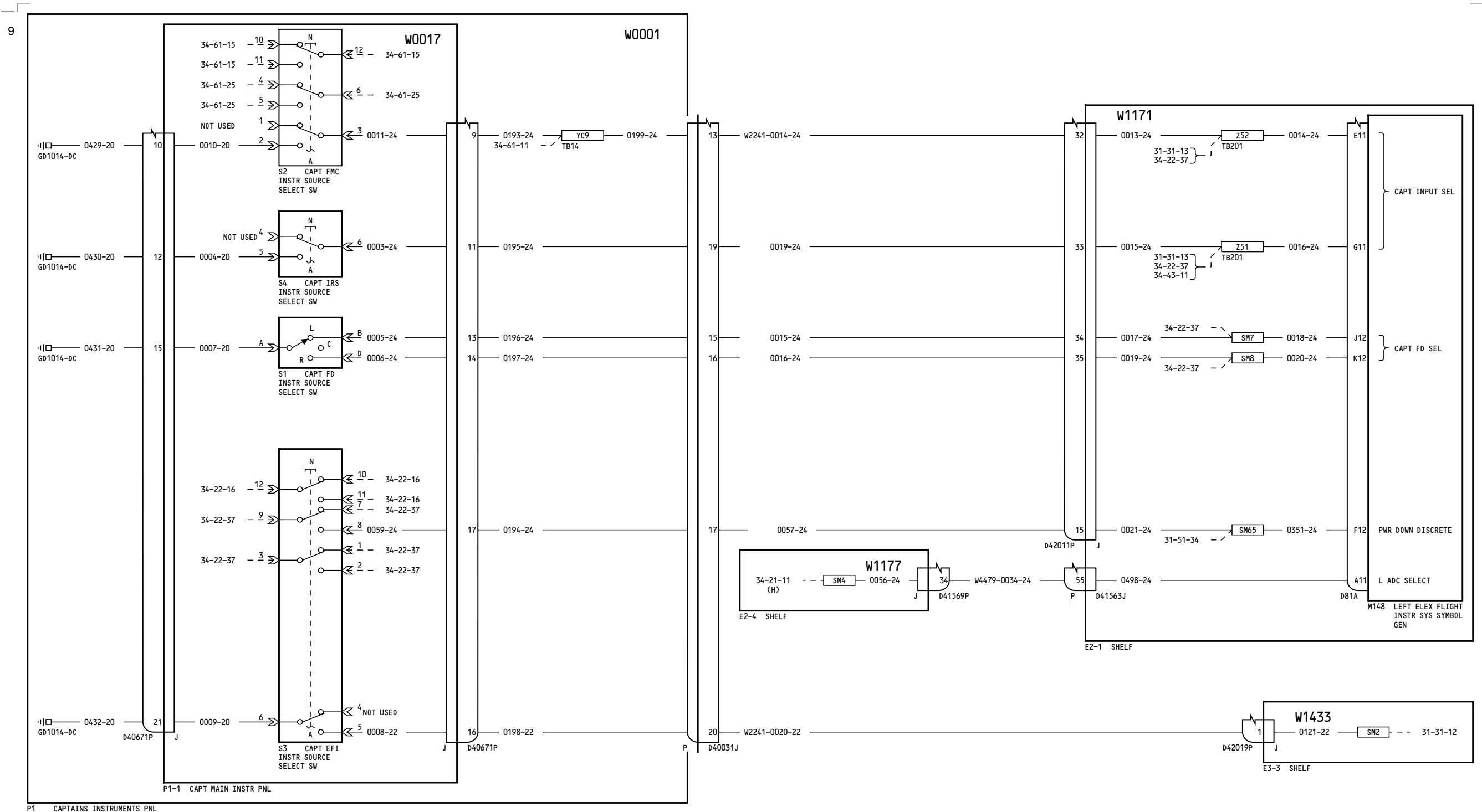
Page 2

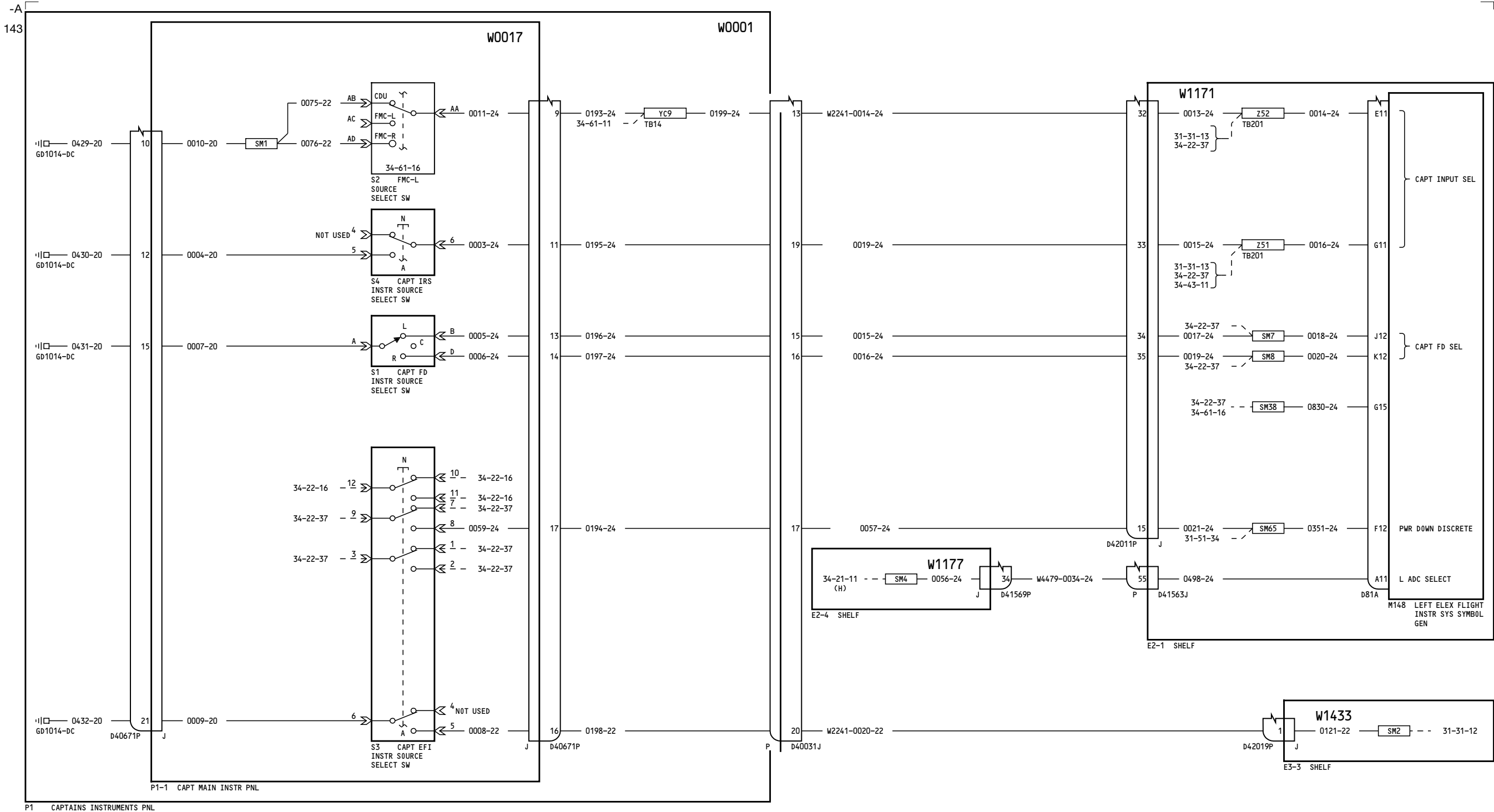
Jan 21/2005

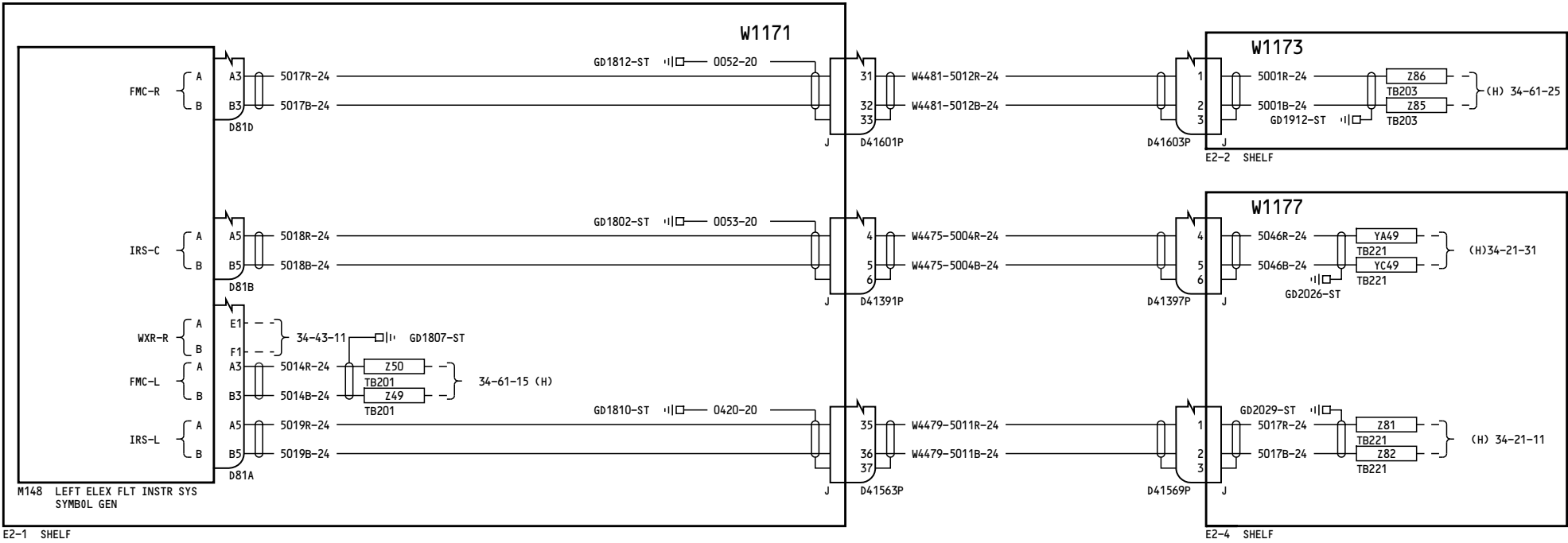
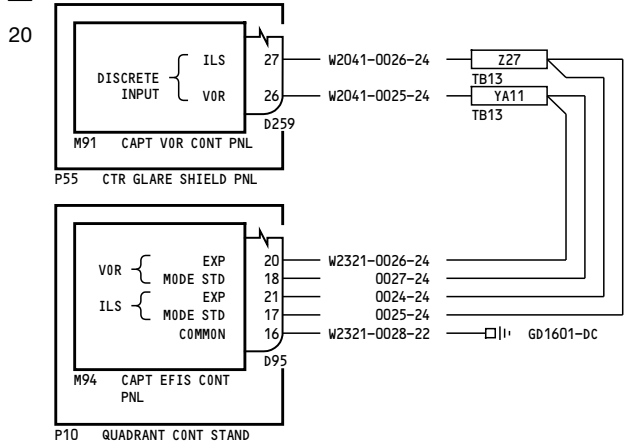
34-22-17

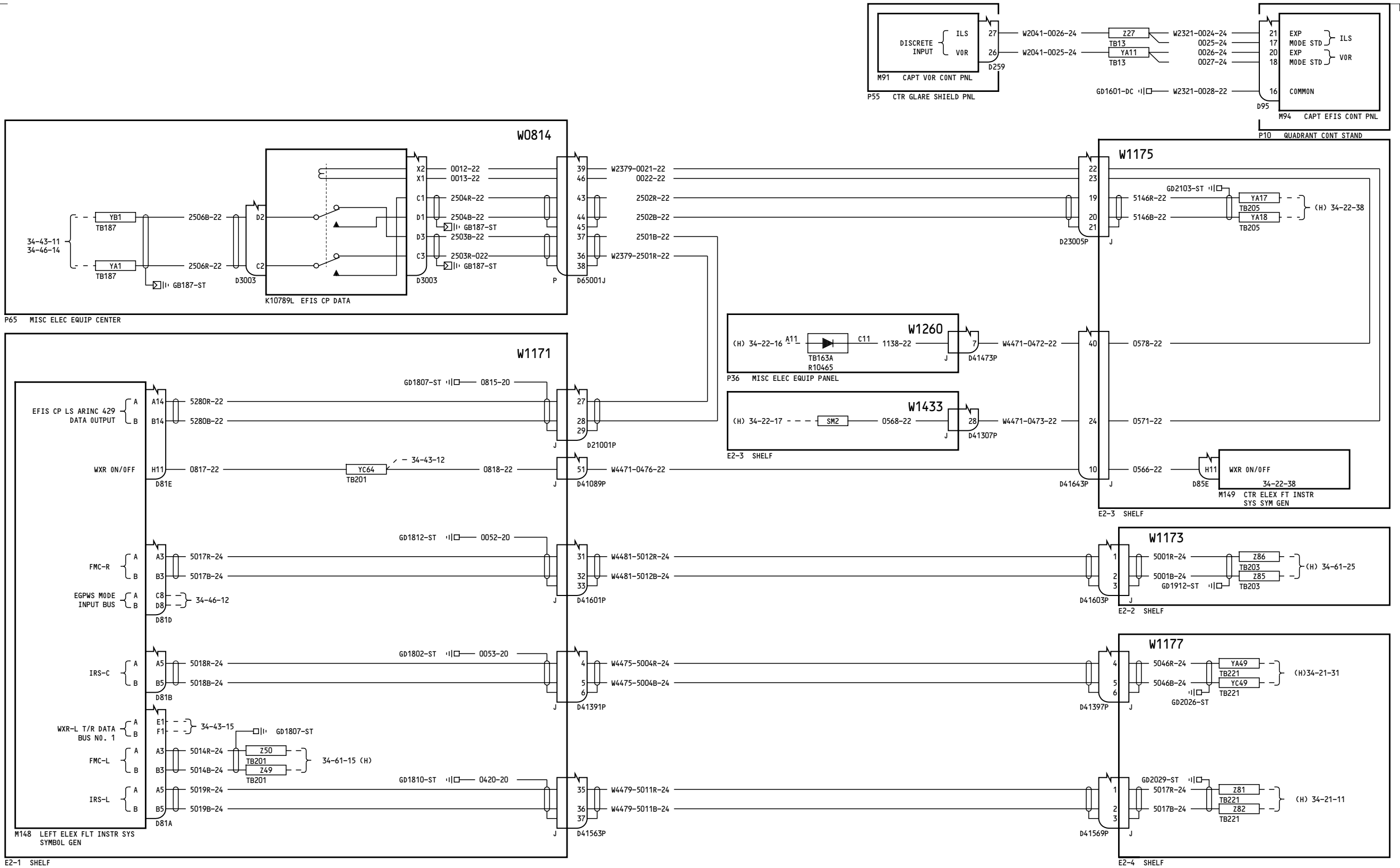
Page 2

Jan 21/2005









002

EFIS SENSOR "A"
INTERFACE - LEFT

34-22-18

Page 1.1

Aug 01/2005

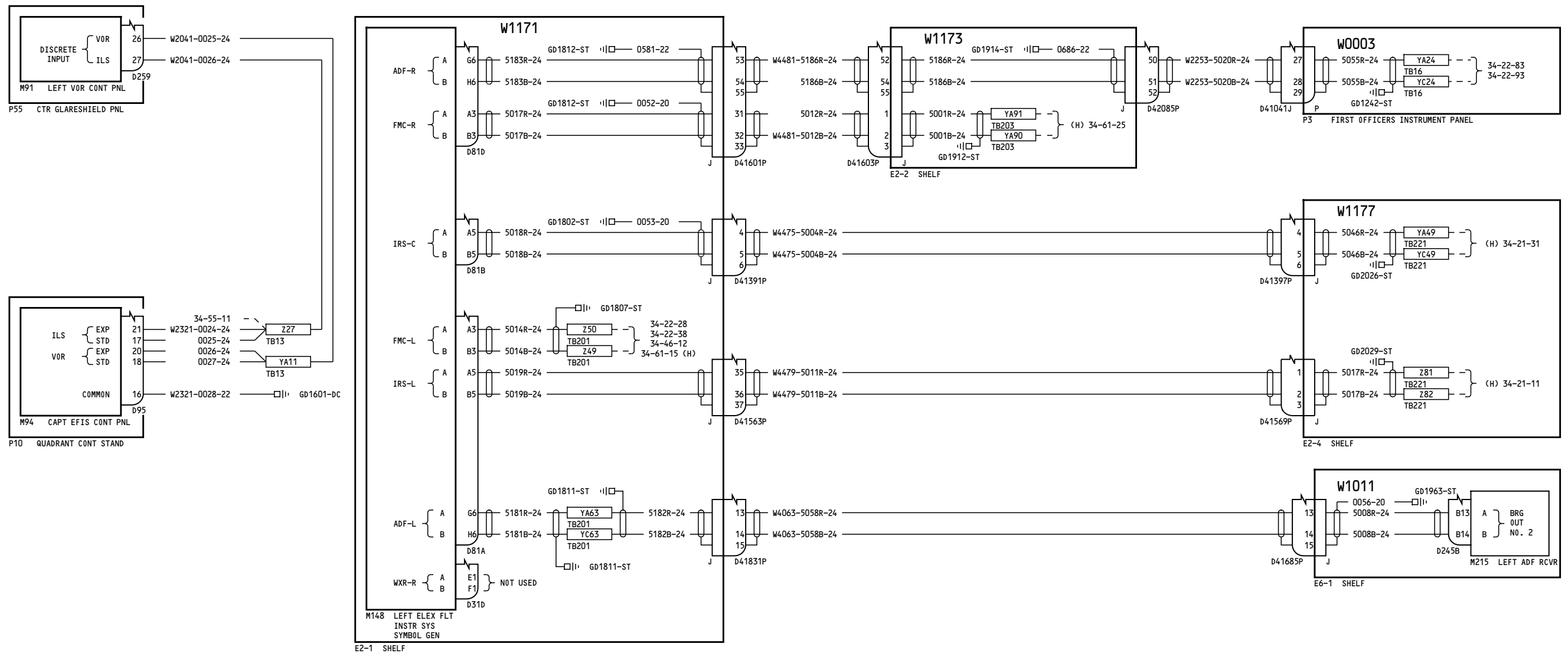
D280N032

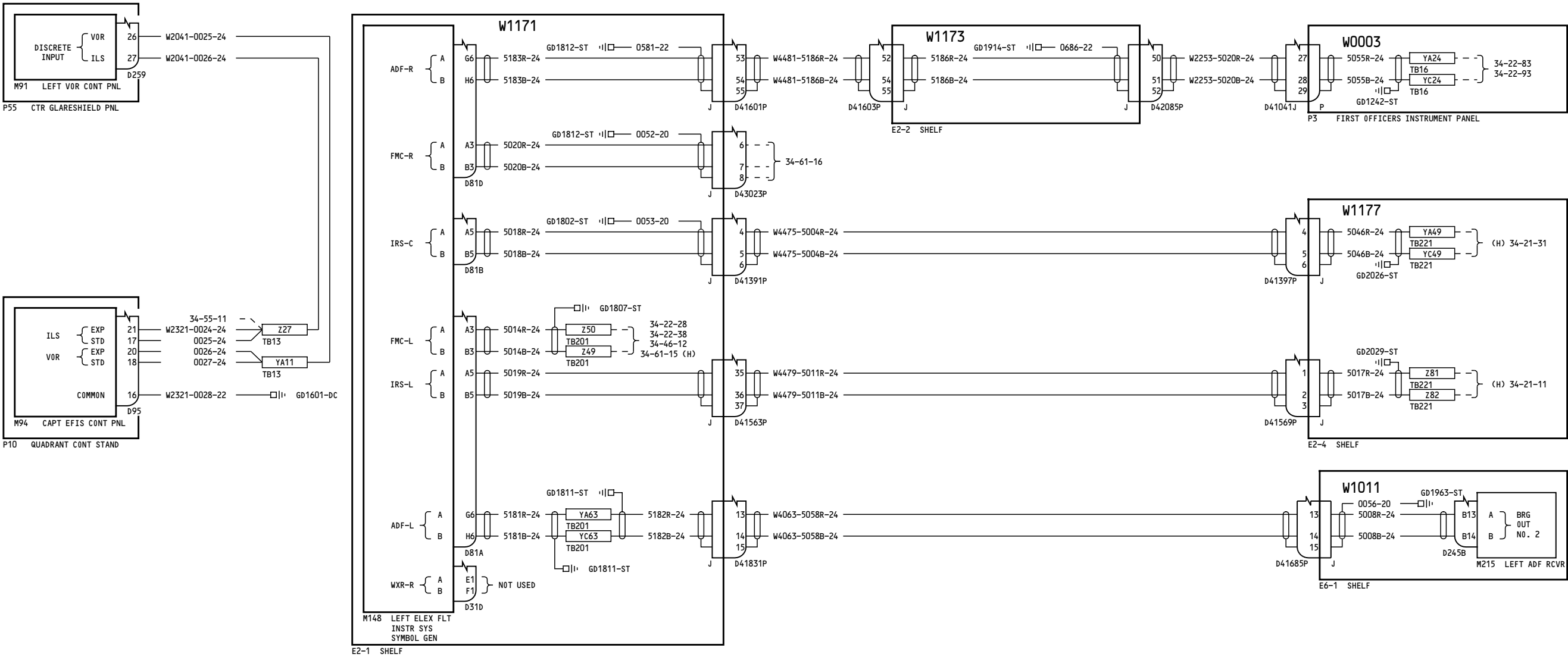
Incorporates
34-0200

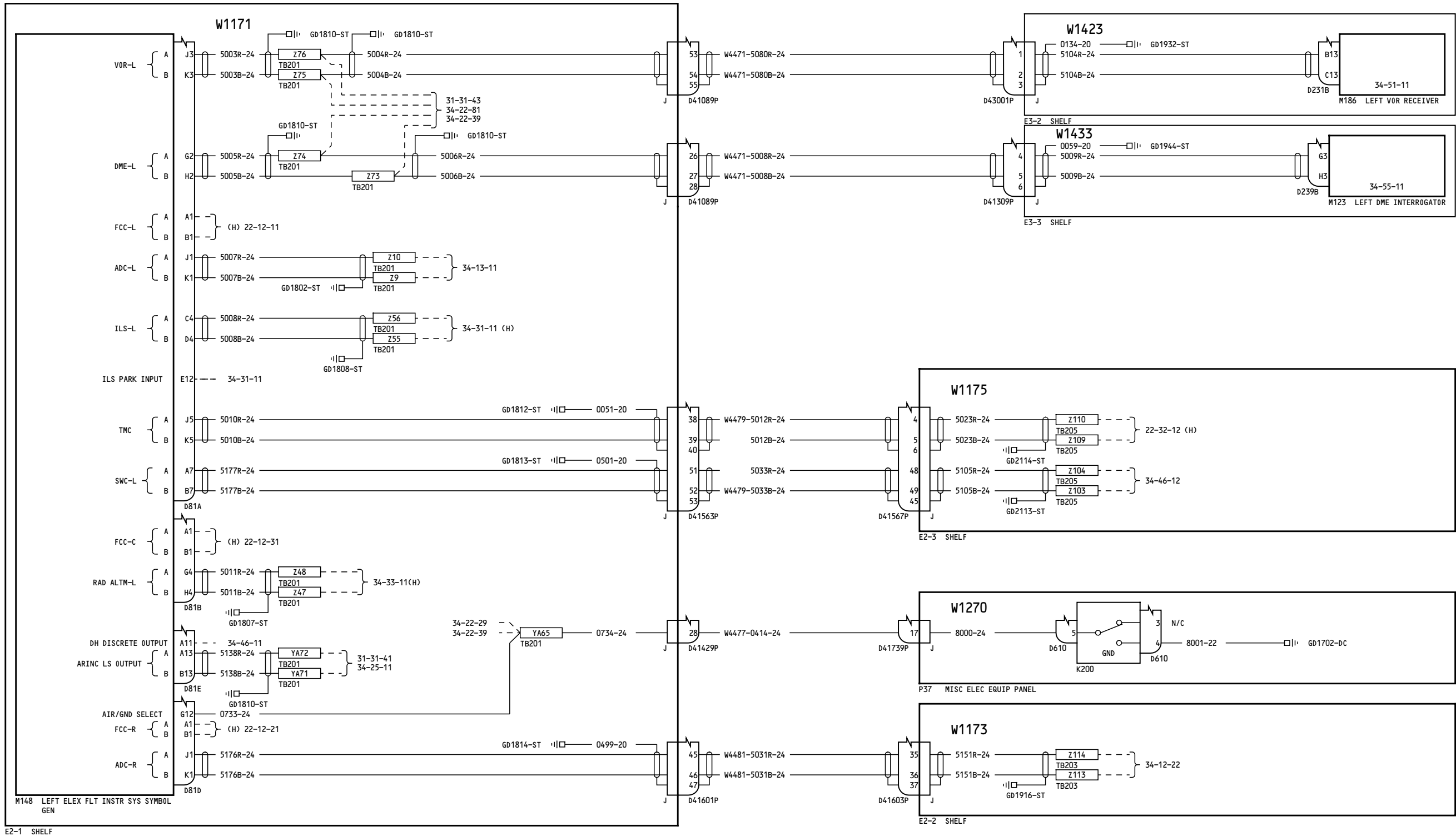
34-22-18

Page 1.1

Aug 01/2005







001-002

EFIS SENSOR "B"
INTERFACE - LEFT

D280N032

34-22-19

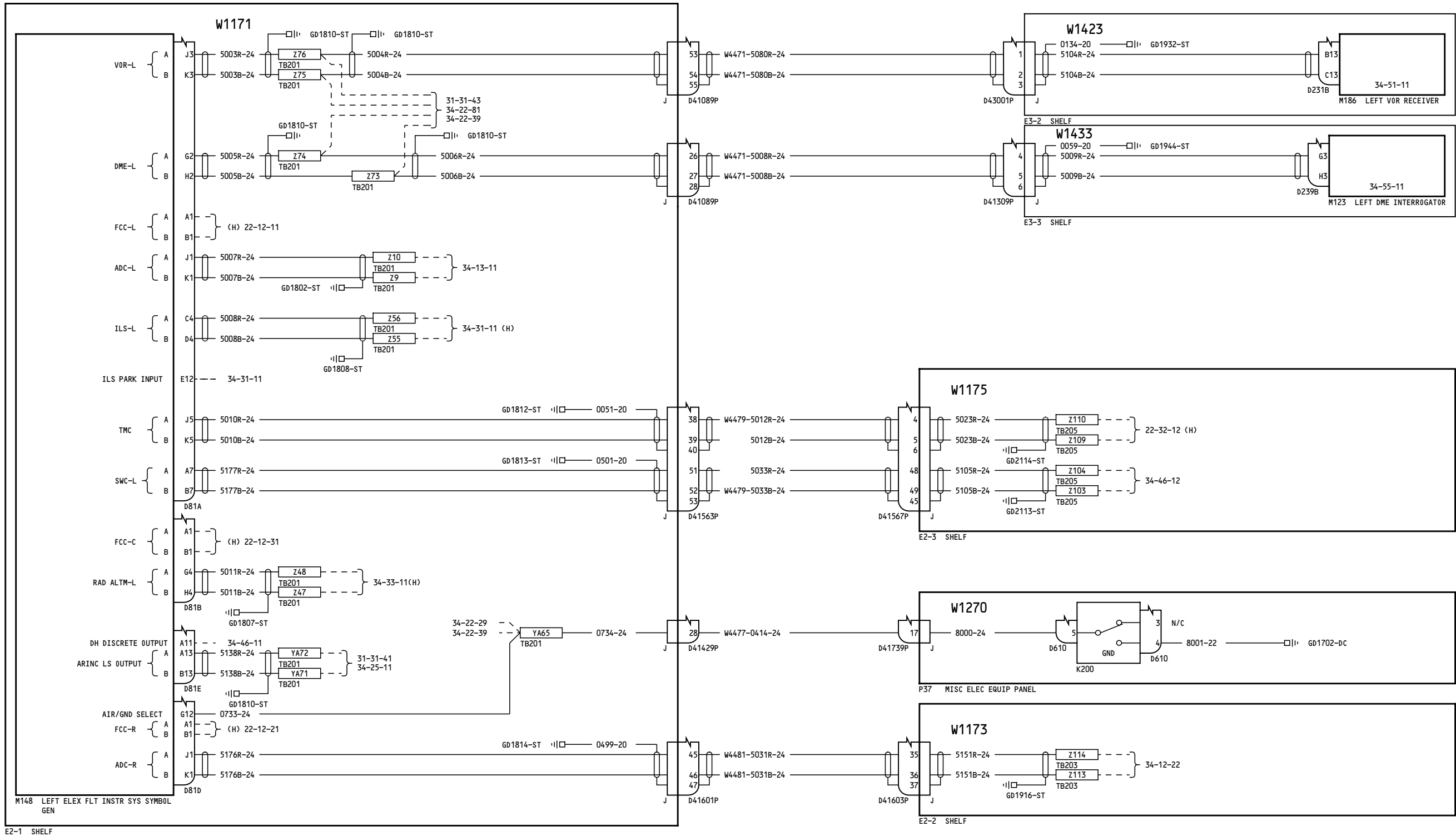
Page 1

Aug 01/2005

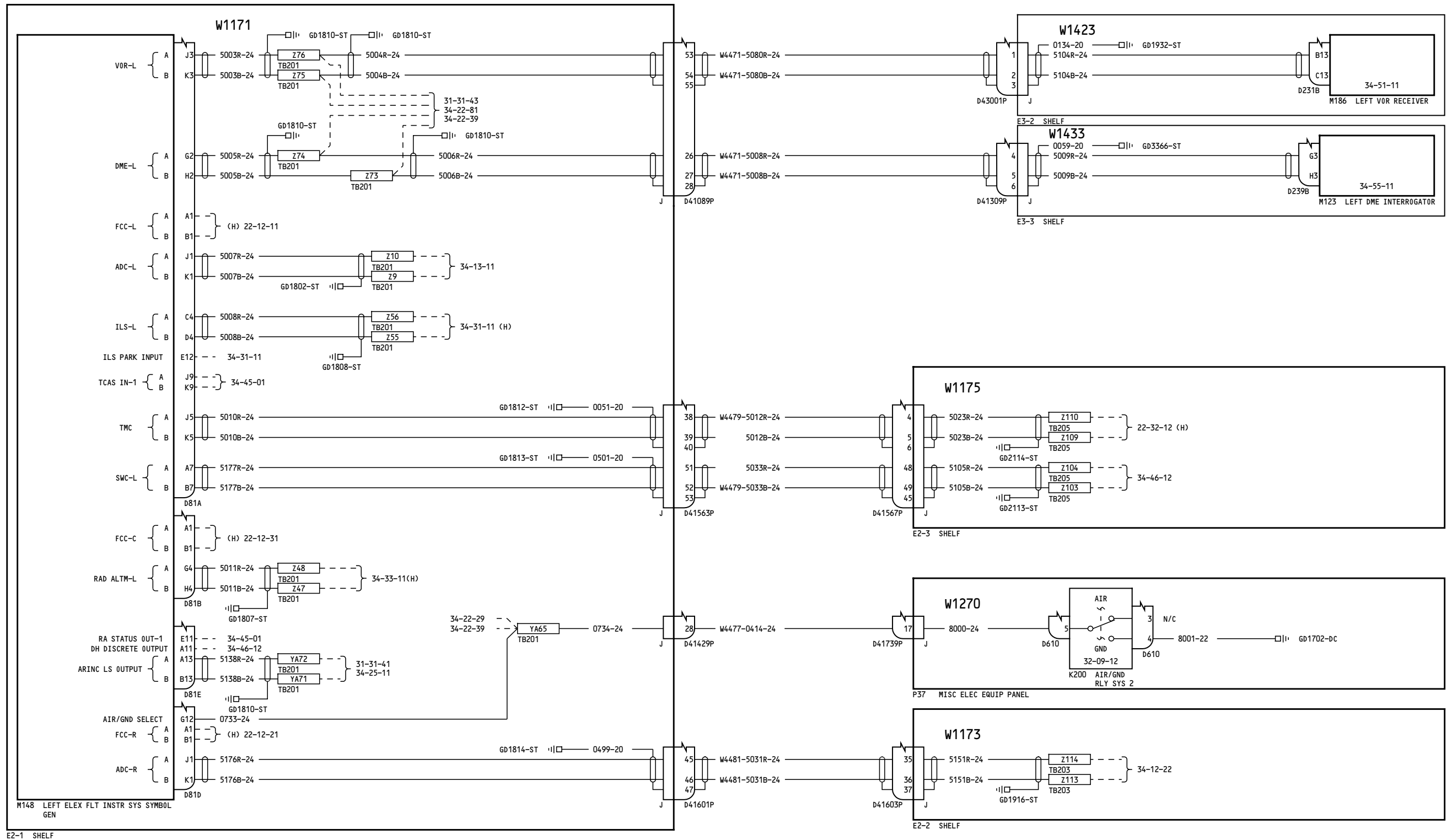
34-22-19

Page 1

Aug 01/2005



47



003-008, 010-099

**EFIS SENSOR "B"
INTERFACE - LEFT**

34-22-19

Page 2

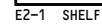
Aug 01/2005

D280N032

34-22-19

Page 2

Aug 01/2005



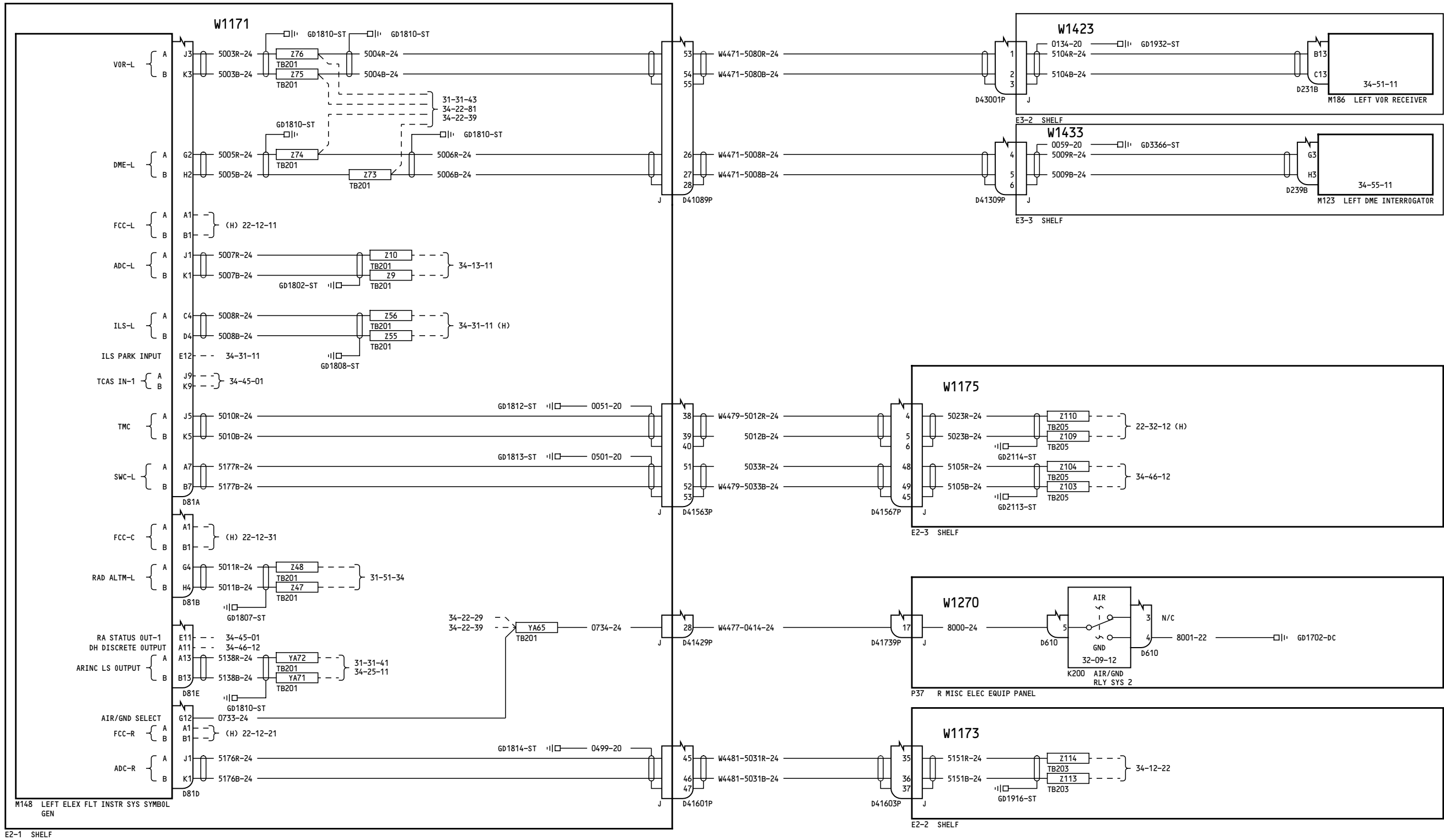
EFIS SENSOR "B" INTERFACE - LEFT

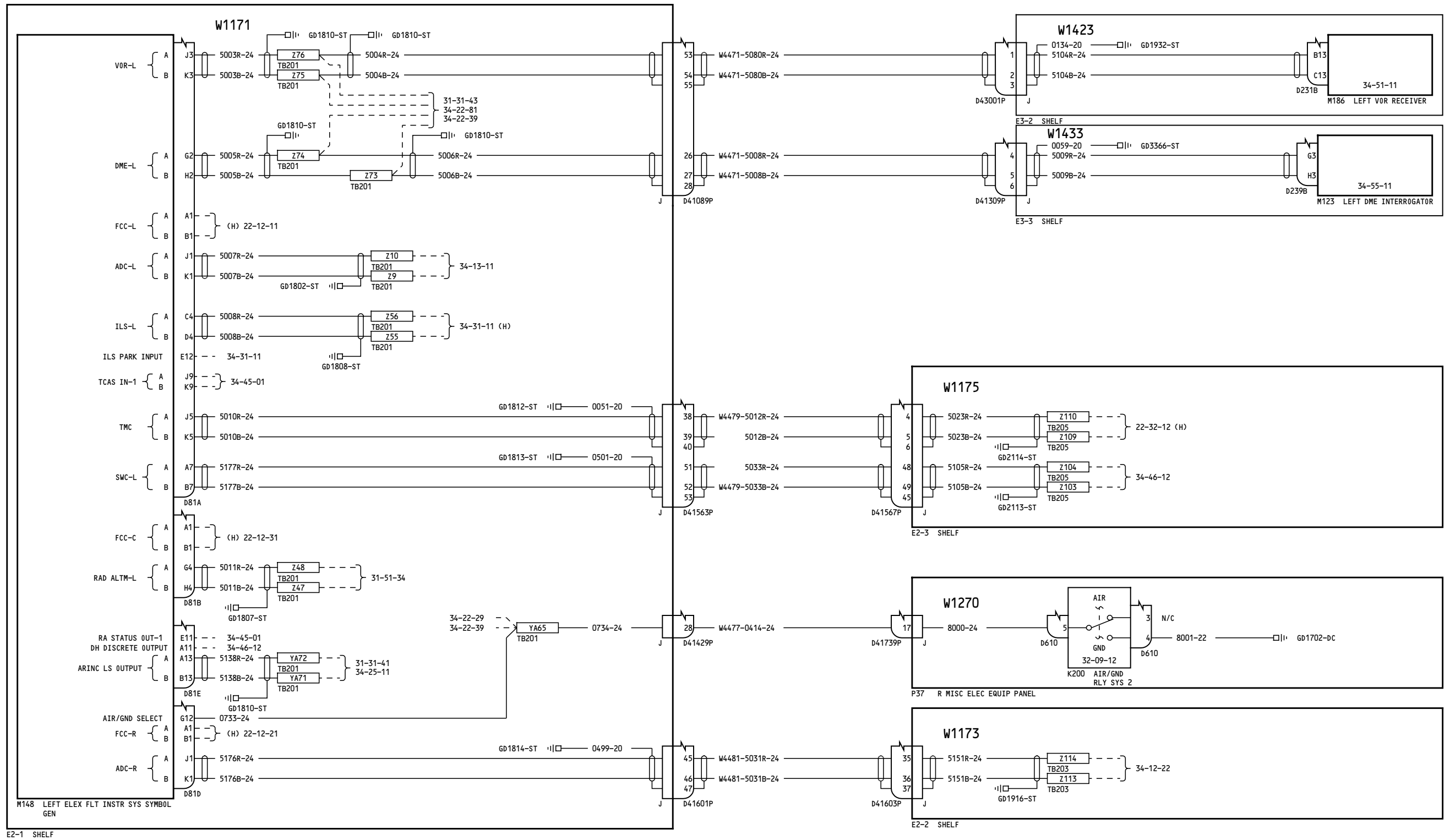
34-22-19

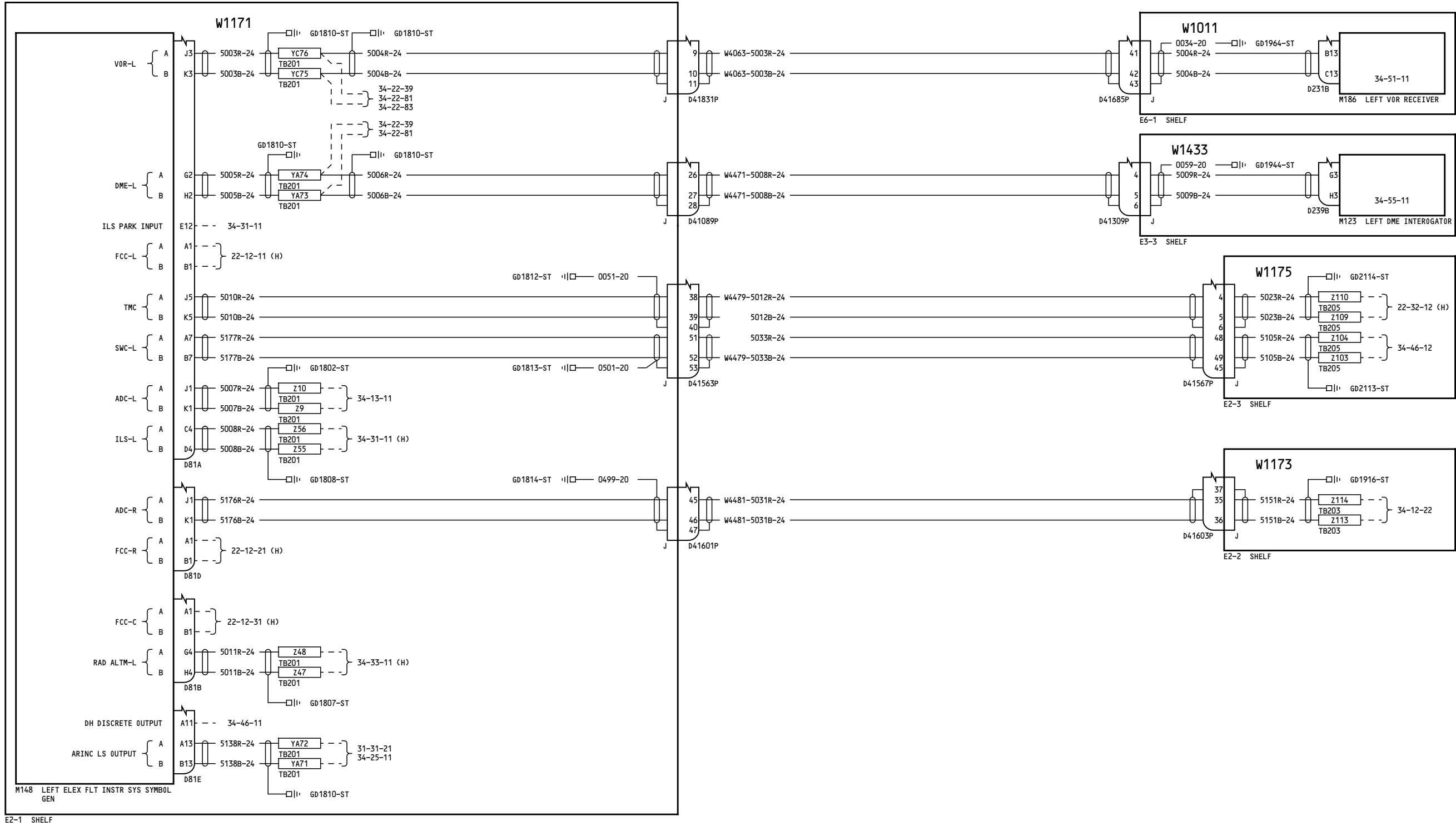
Aug 01/2005

34-22-19

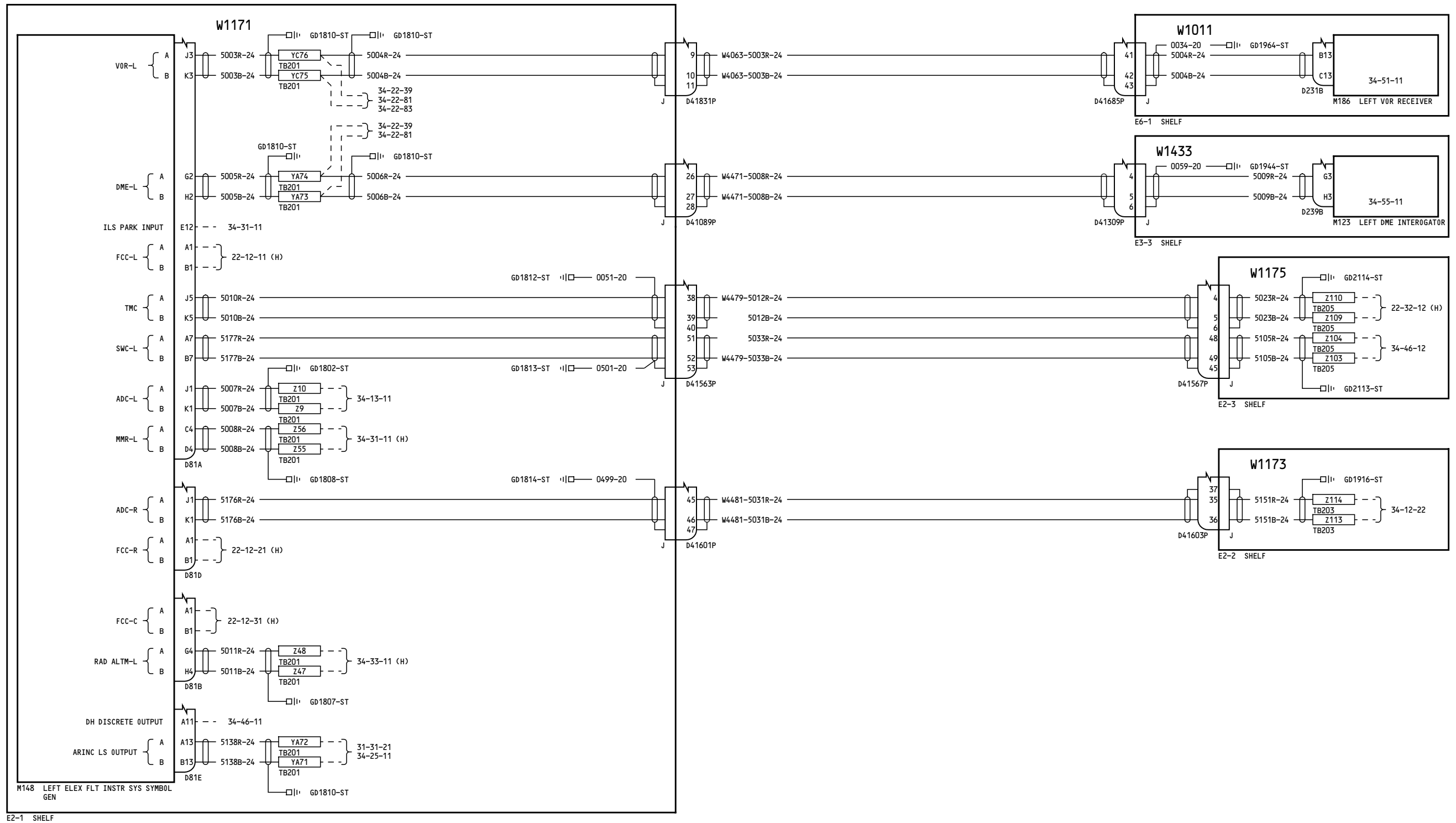
Aug 01/2005







229



115

**EFIS SENSOR "B"
INTERFACE - LEFT**

D280N032

34-22-19

Page 4.1

Dec 18/2007

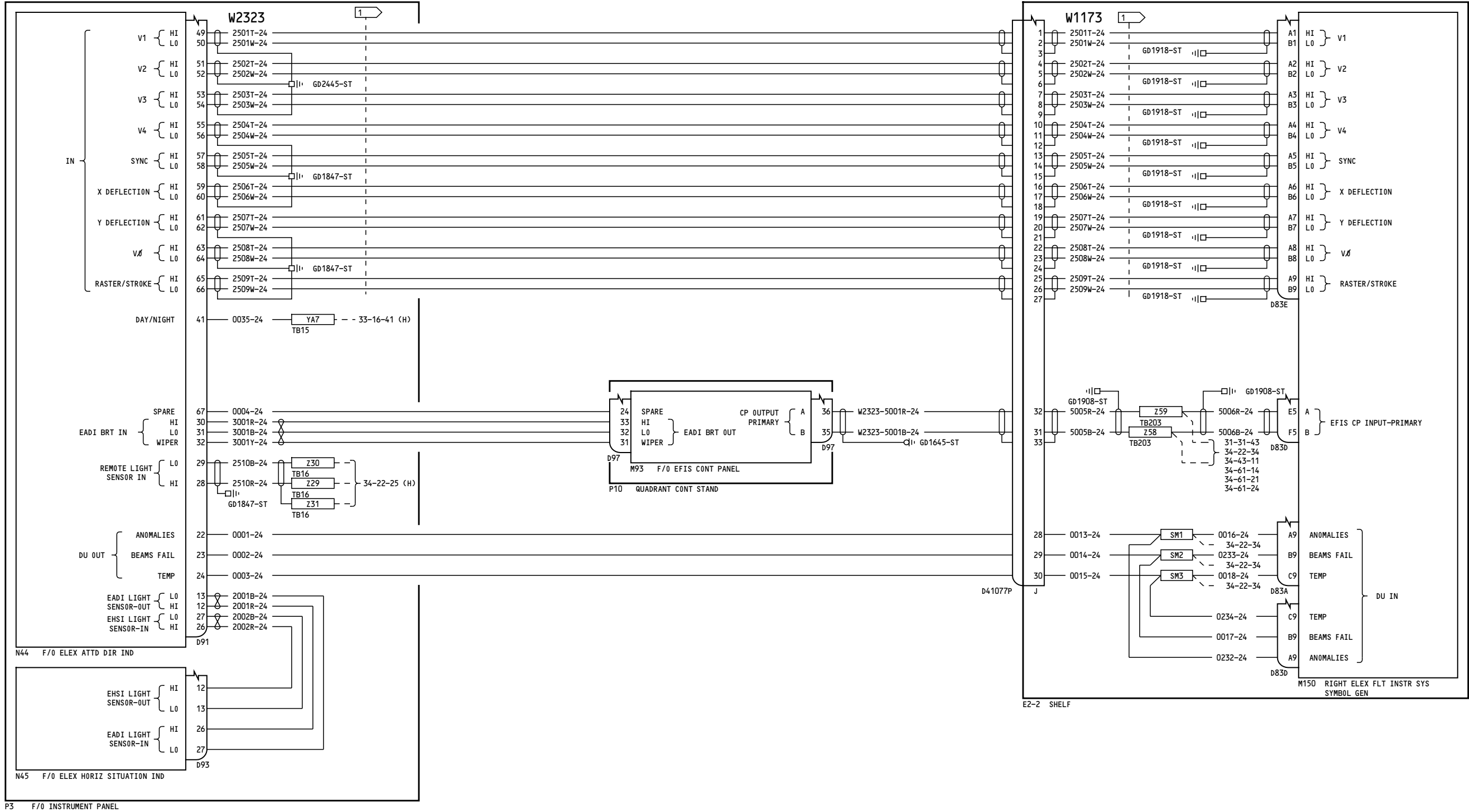
Incorporates
34-0400
34A0222

34-22-19

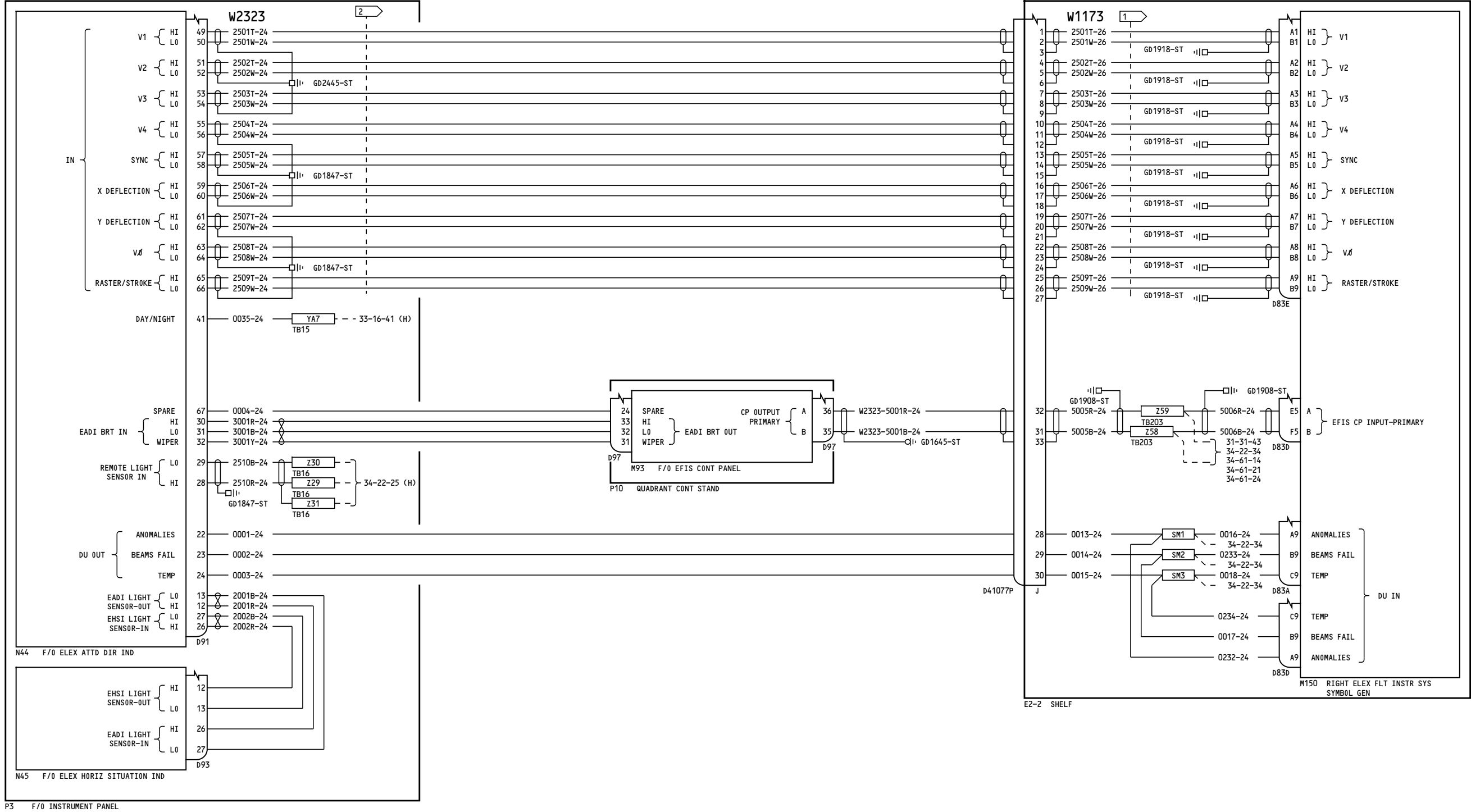
Page 4.1

Dec 18/2007

-A
11



NOTES:
1 WIRE TYPE CHAMPLIN 51-04859



NOTES:

1 WIRE TYPE CHAMPLIN 51-04763 2 WIRE TYPE CHAMPLIN 51-04859

002

EFIS SG/CP/EADI DU
INTERFACE - RIGHT

34-22-24

Page 1.1

Jan 21/2005

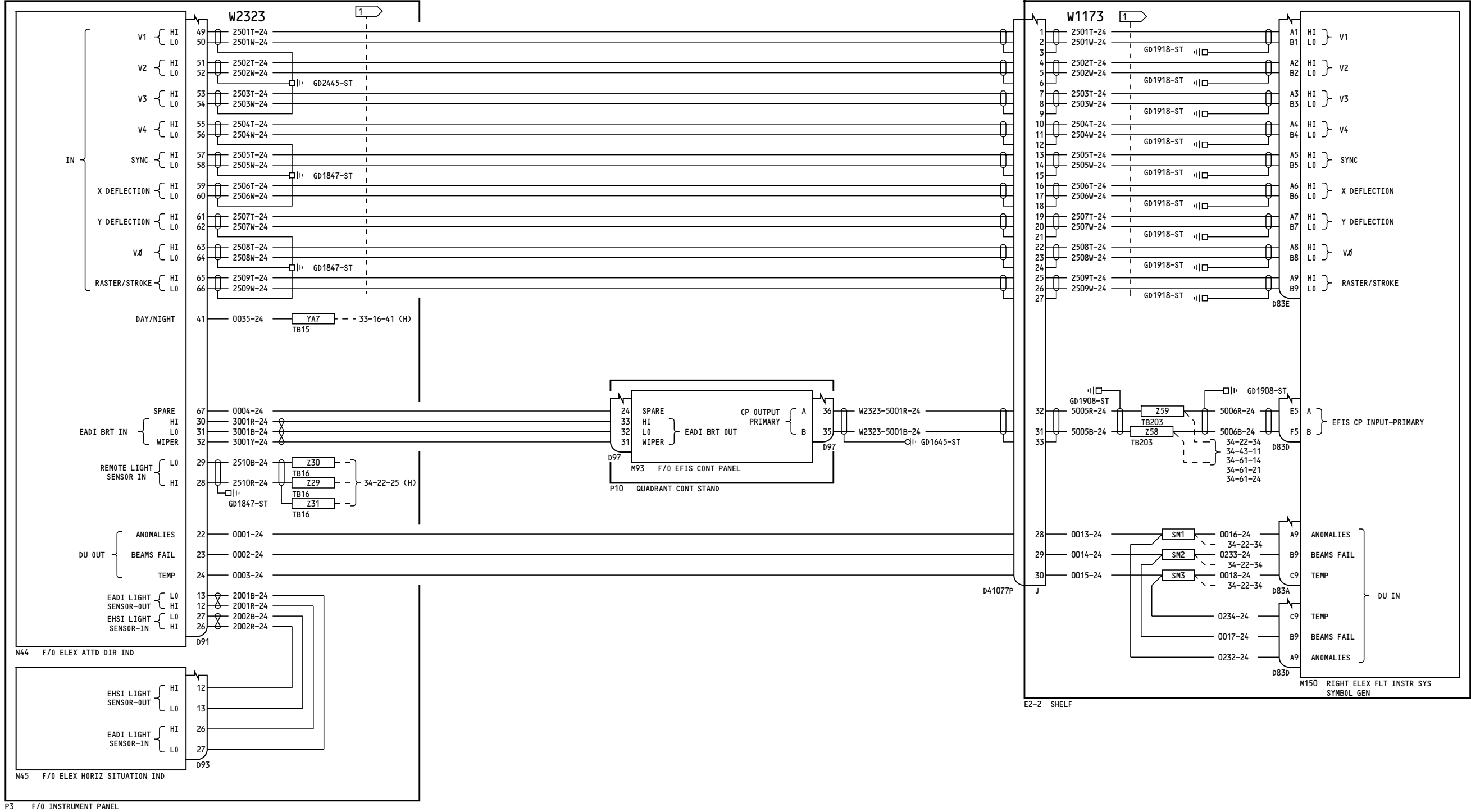
D280N032

Incorporates
34-0200

34-22-24

Page 1.1

Jan 21/2005



NOTES:
1 WIRE TYPE CHAMPLIN 51-04859

010-011

EFIS SG/CP/EADI DU
INTERFACE - RIGHT

34-22-24

Page 1.2

Jan 21/2005

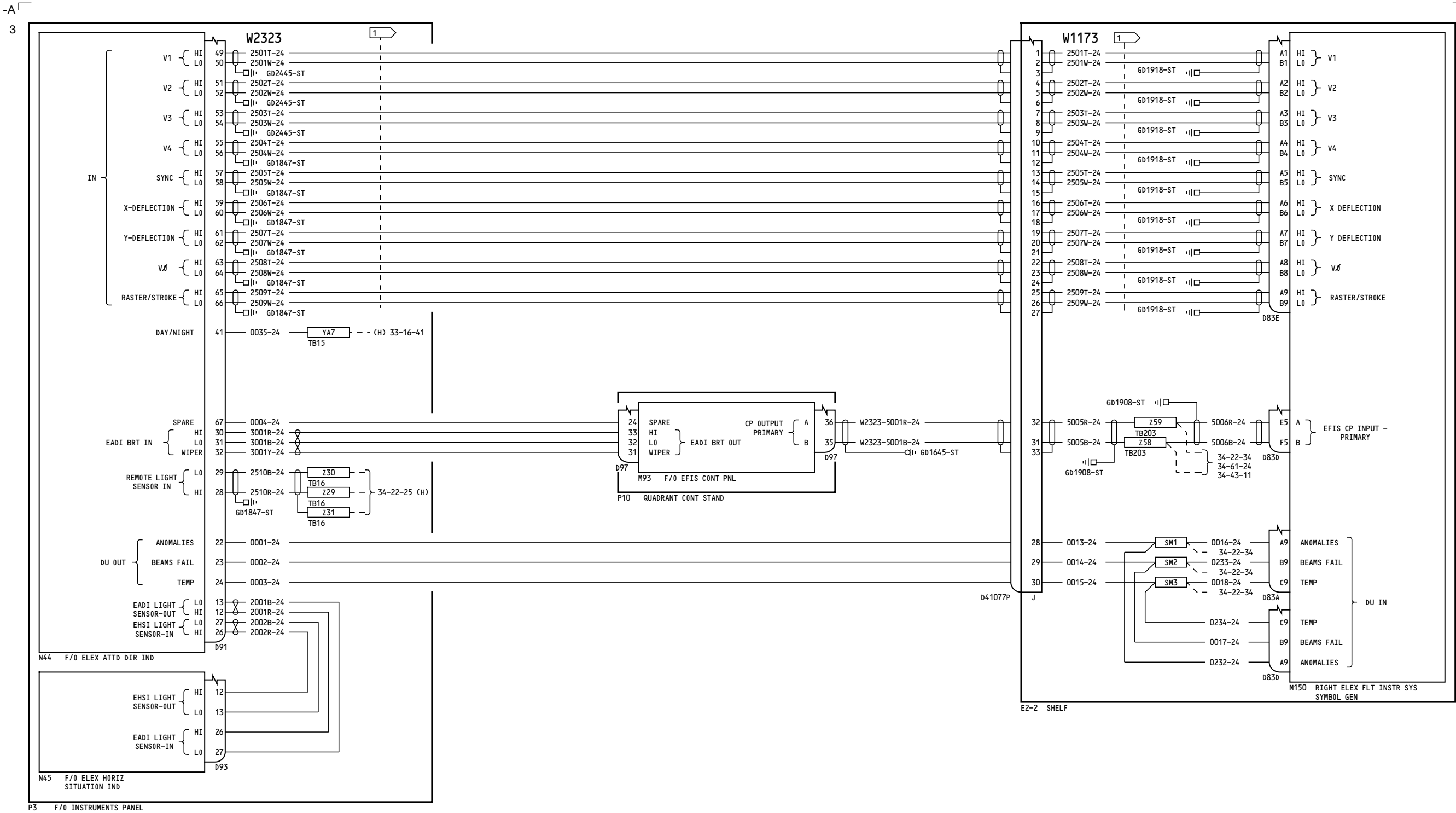
D280N032

Incorporates
31-0094

34-22-24

Page 1.2

Jan 21/2005



115-199

EFIS SG/CP/EADI DU
INTERFACE - RIGHT

34-22-24

Page 2

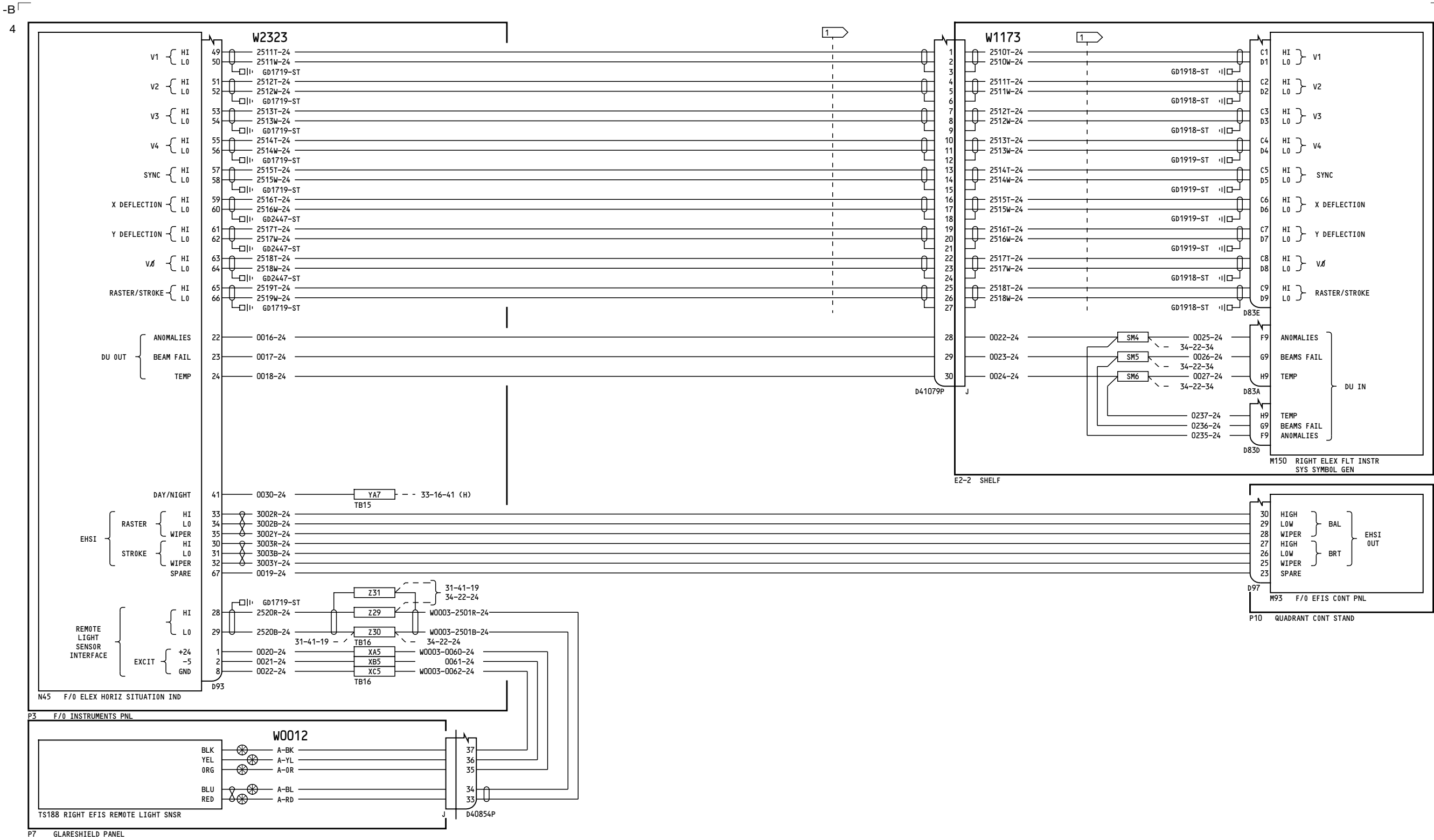
D280N032

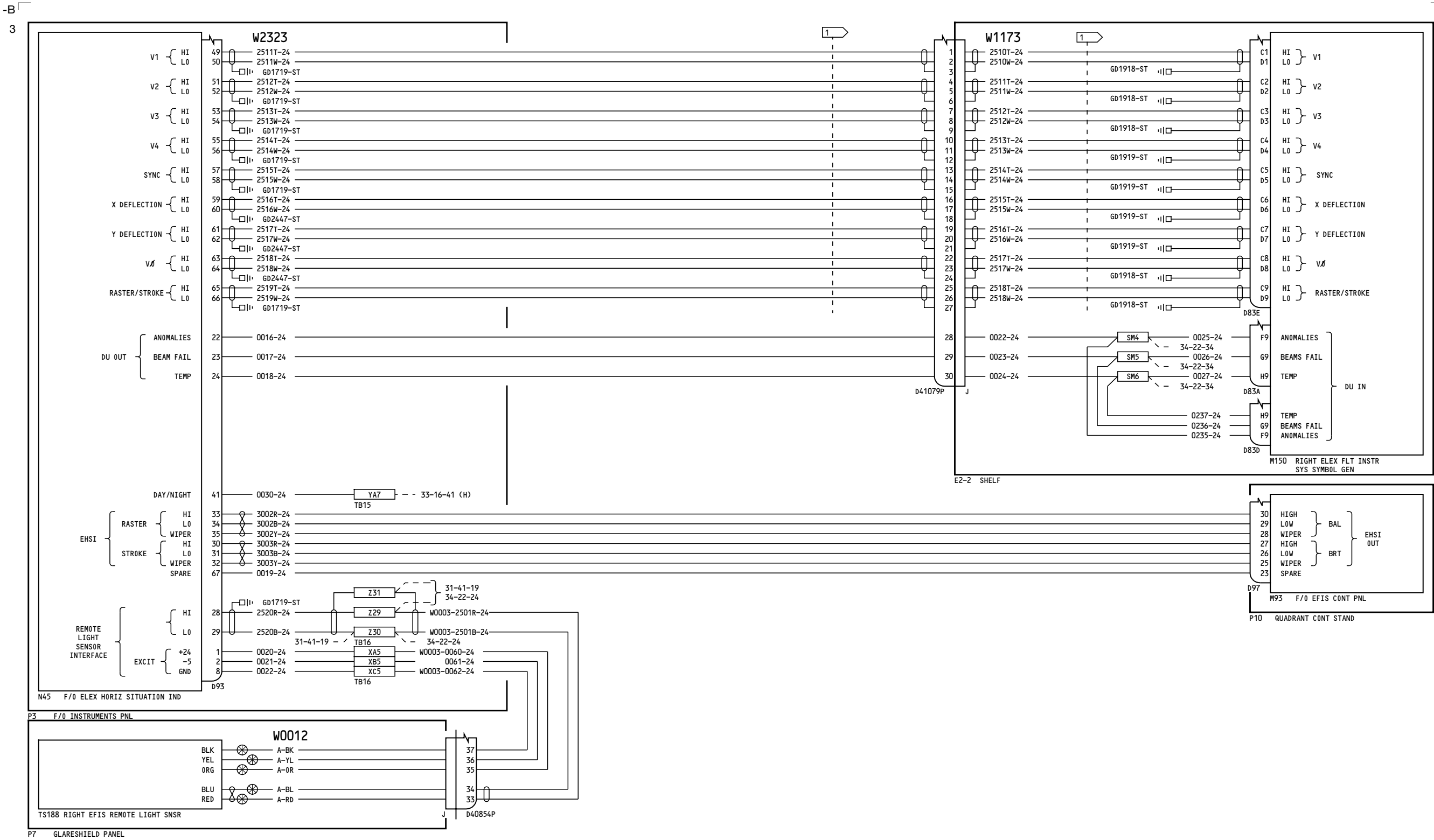
Jan 21/2005

34-22-24

Page 2

Jan 21/2005





NOTES: 1 WIRE TYPE CHAMPLIN 51-04859

115-199

EFIS SG/CP/EHSI DU
INTERFACE - RIGHT

34-22-25

Page 2

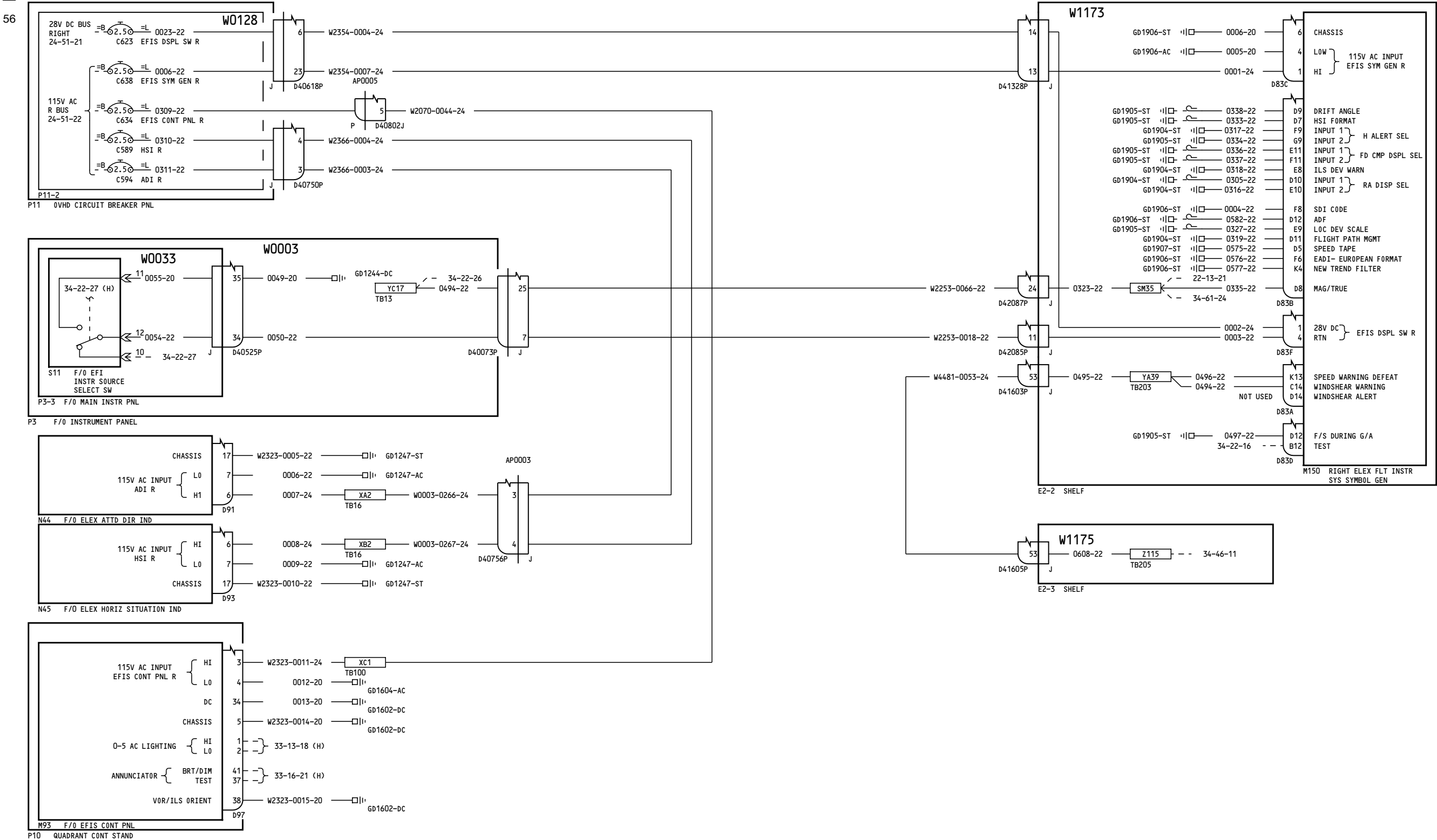
Jan 21/2005

D280N032

34-22-25

Page 2

Jan 21/2005



002

EFIS POWER/LIGHTING/
PROGRAM PINS - RIGHT

34-22-26

Page 2

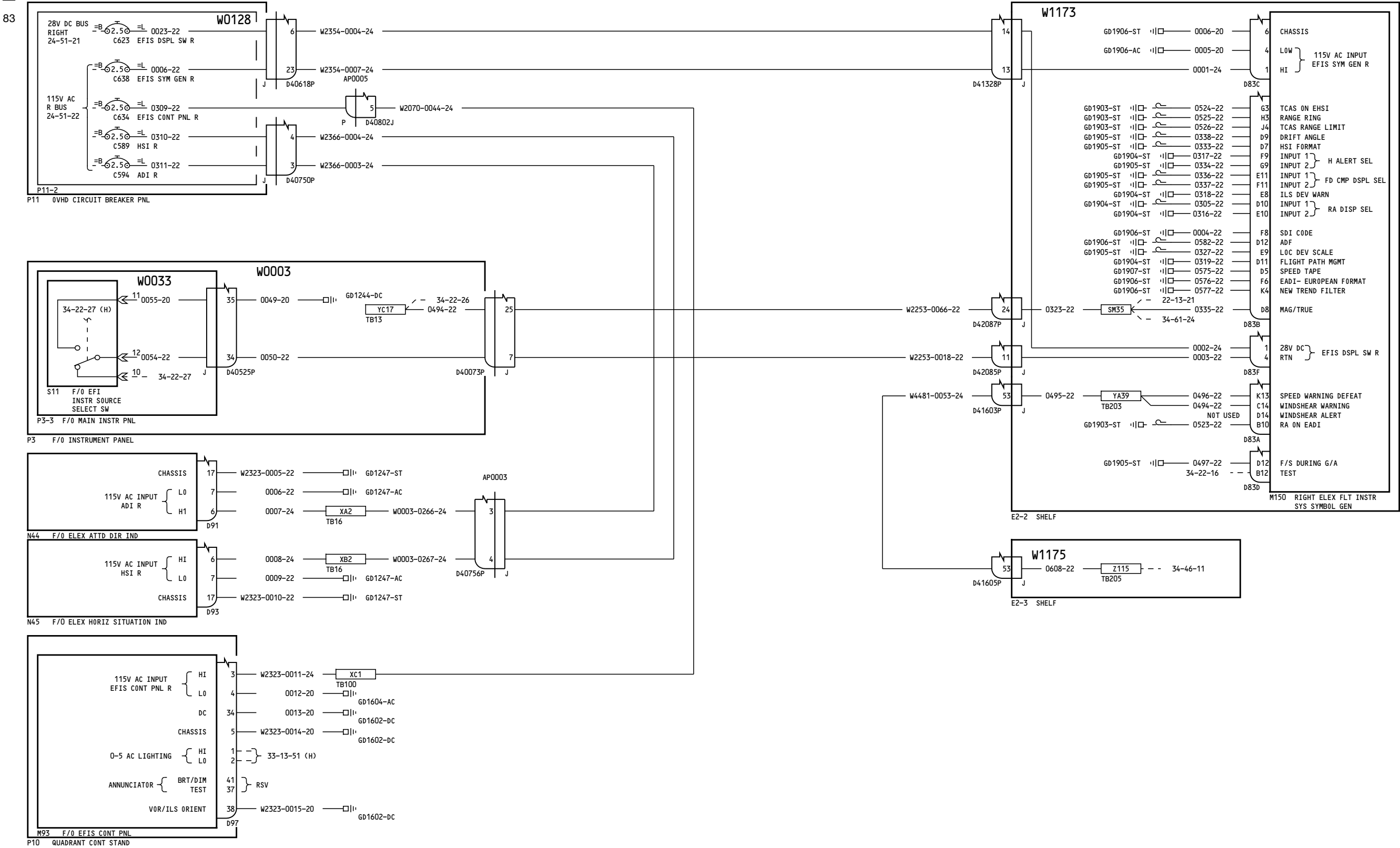
D280N032

Jan 21/2005

34-22-26

Page 2

Jan 21/2005



003-006

EFIS POWER/LIGHTING/
PROGRAM PINS - RIGHT

34-22-26

Page 3

D280N032

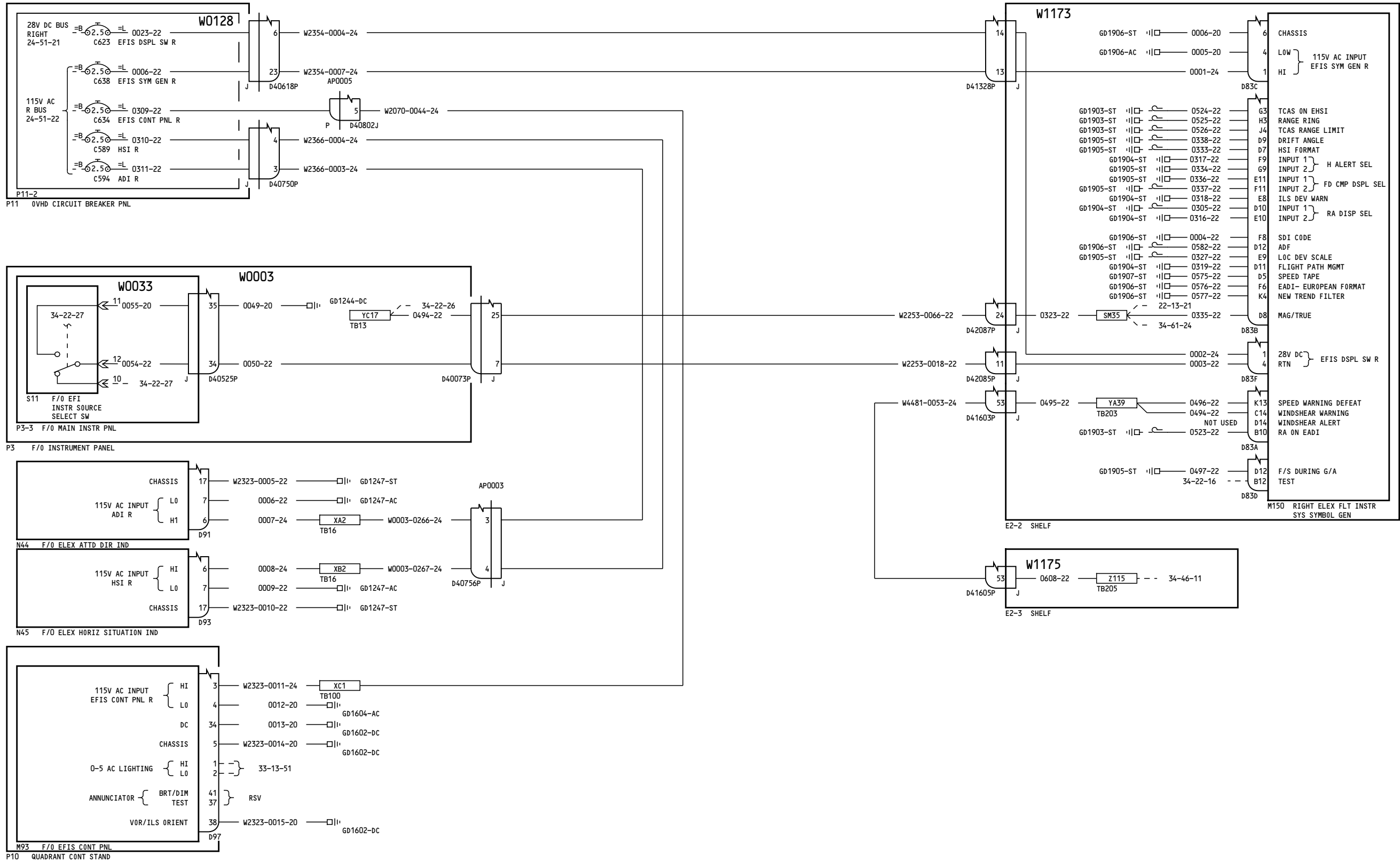
Jan 21/2005

34-22-26

Page 3

Jan 21/2005

111



007-008

EFIS POWER/LIGHTING/
PROGRAM PINS - RIGHT

34-22-26

Page 4

Jan 21/2005

D280N032

34-22-26

Page 4

Jan 21/2005





EFIS POWER/LIGHTING/ PROGRAM PINS - RIGHT

D280N032

34-22-26

Page 5.1

Jan 21/2005

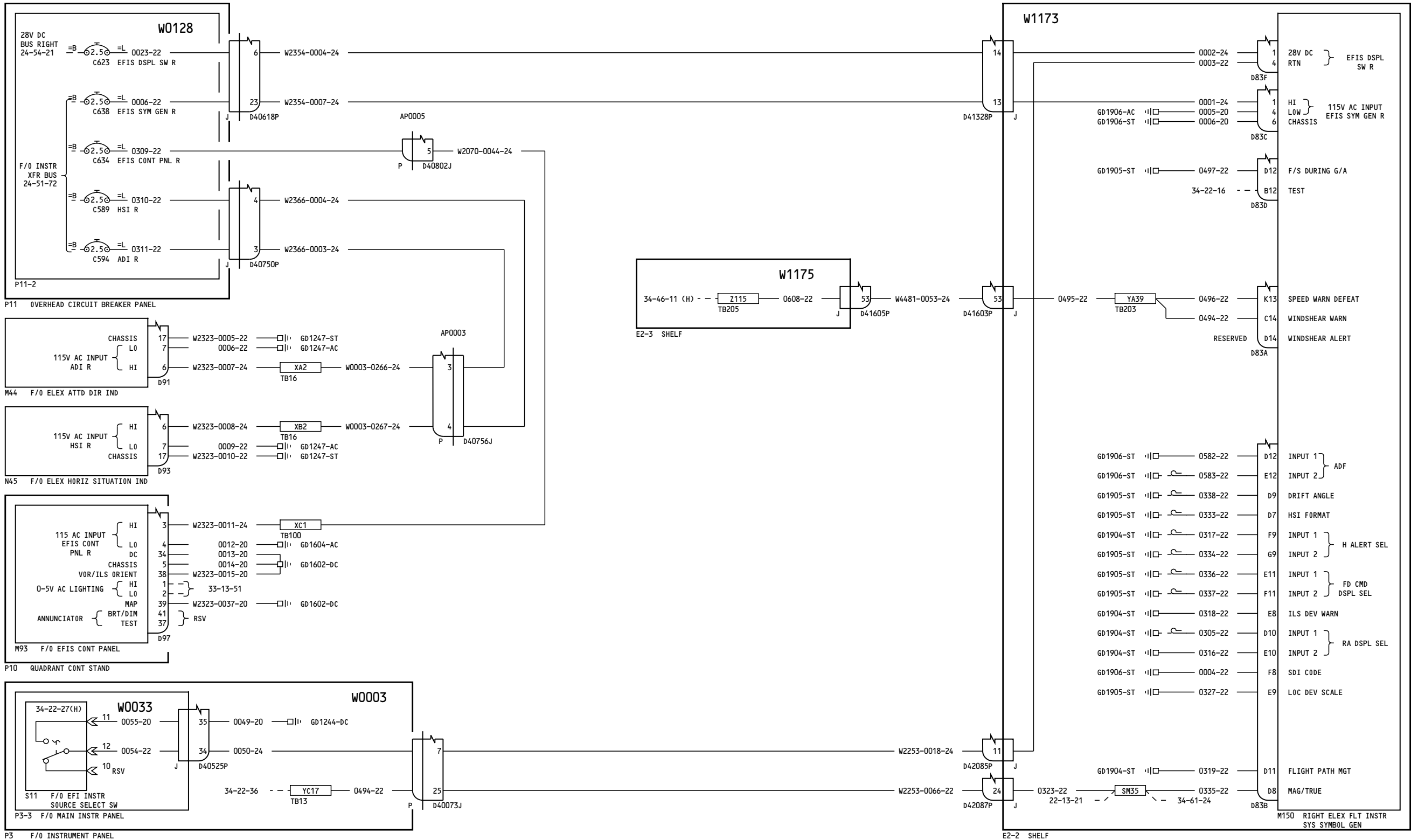
Incorporates
▶ 34-0097

34-22-26

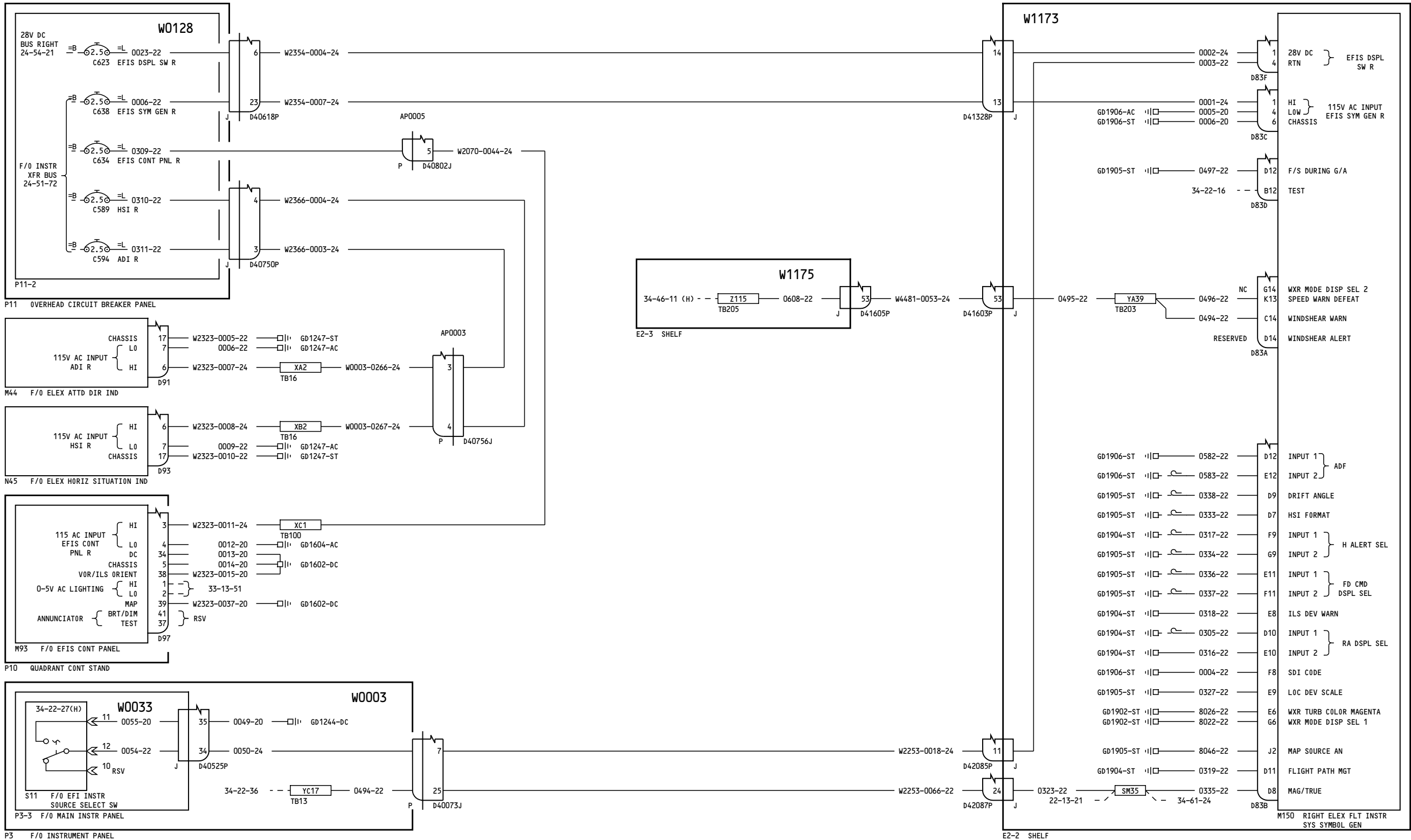
Page 5.1

Jan 21/2005





388



115

EFIS POWER/LIGHTING/
PROGRAM PINS - RIGHT

34-22-26

Page 7.1

Dec 18/2007

D280N032

Incorporates
34-0394
34-0414

34-22-26

Page 7.1

Dec 18/2007



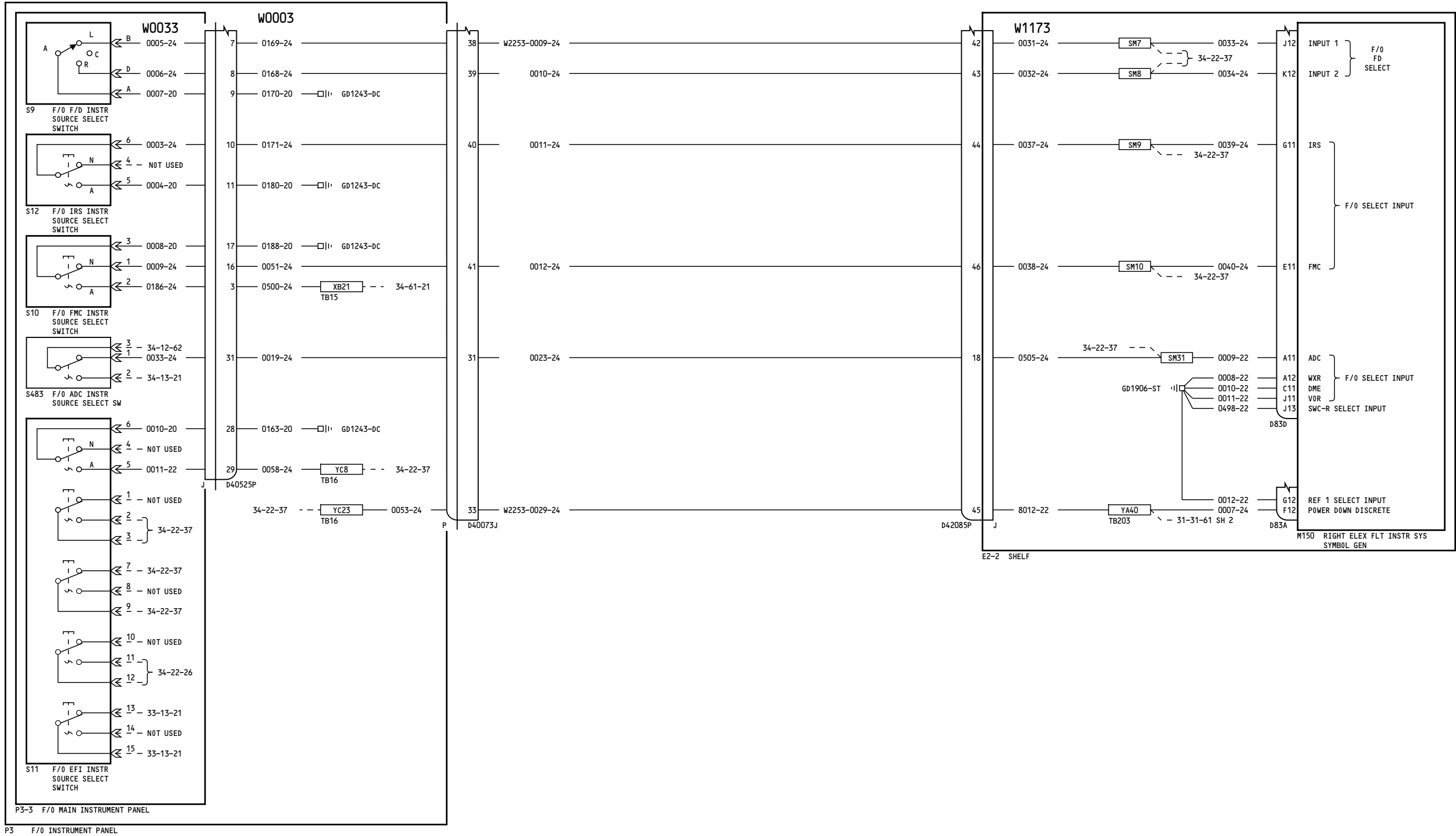
34-22-27

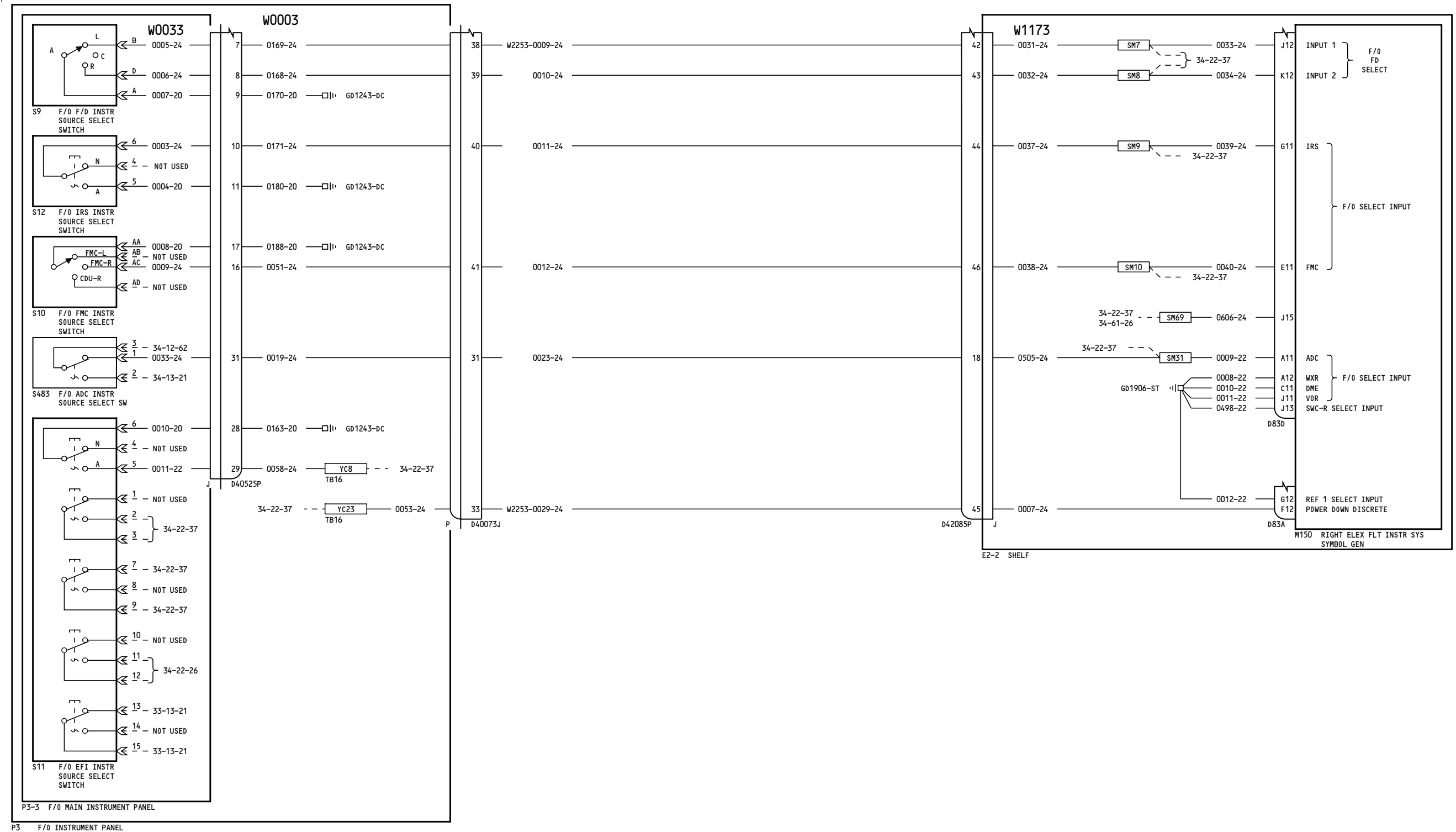
Jan 21/2005

D280N032

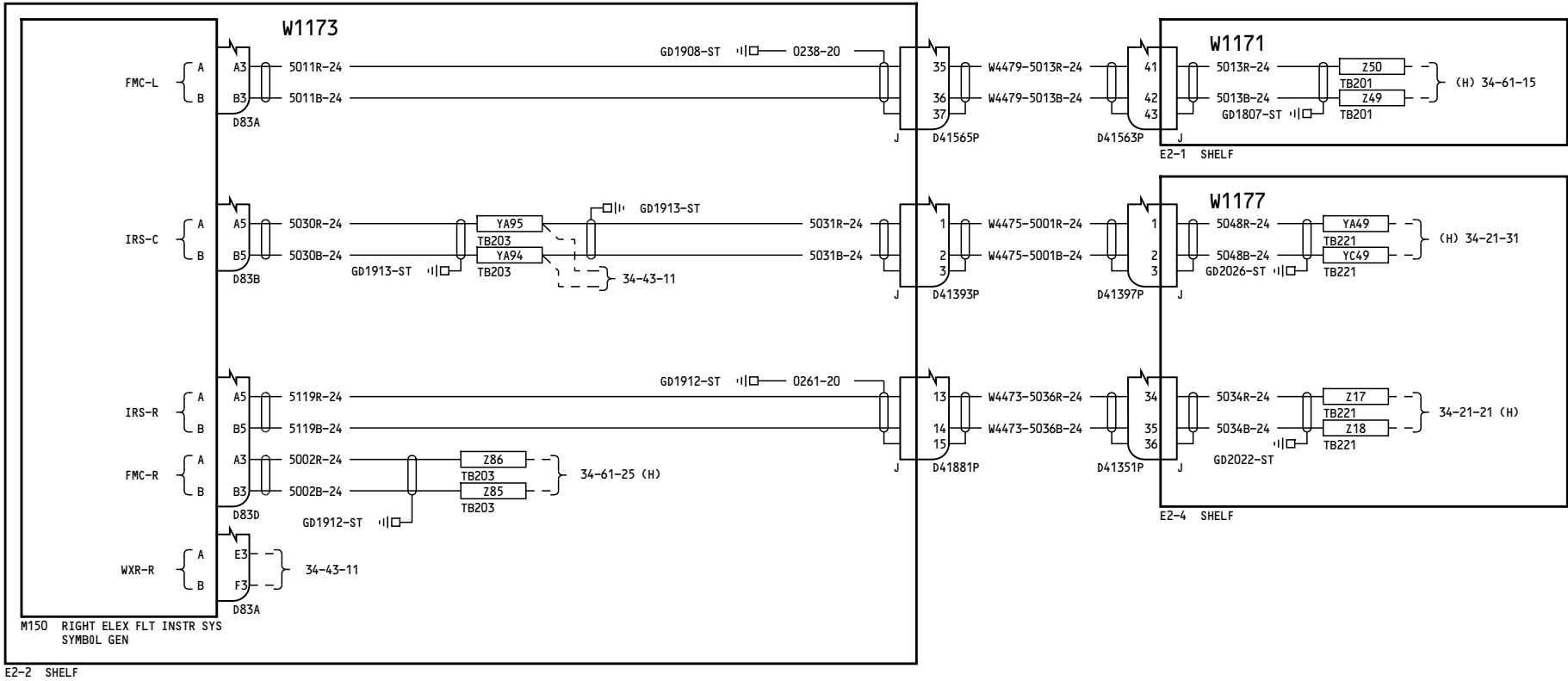
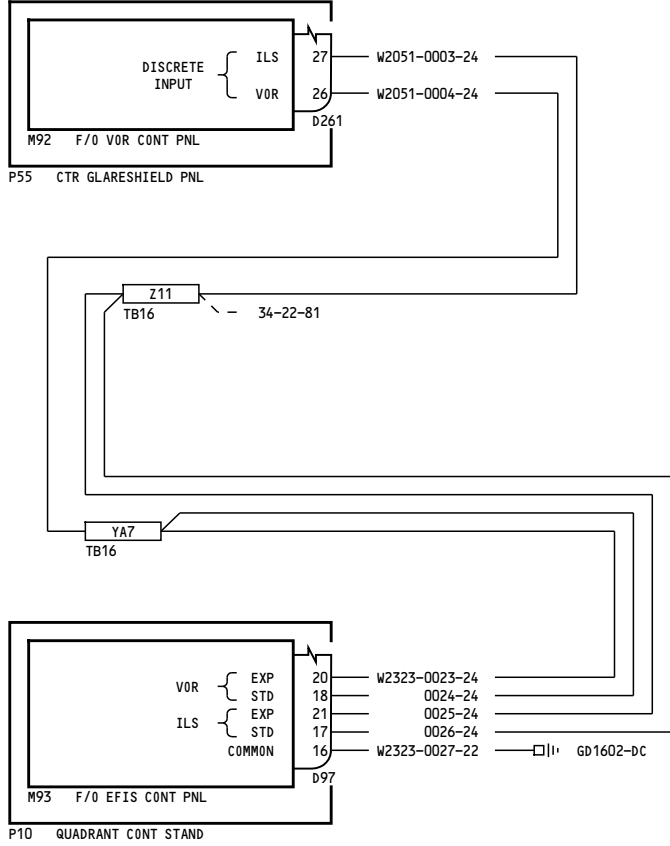
34-22-27

Jan 21/2005





18



001-099

EFIS SENSOR "A"
INTERFACE - RIGHT

D280N032

34-22-28

Page 1

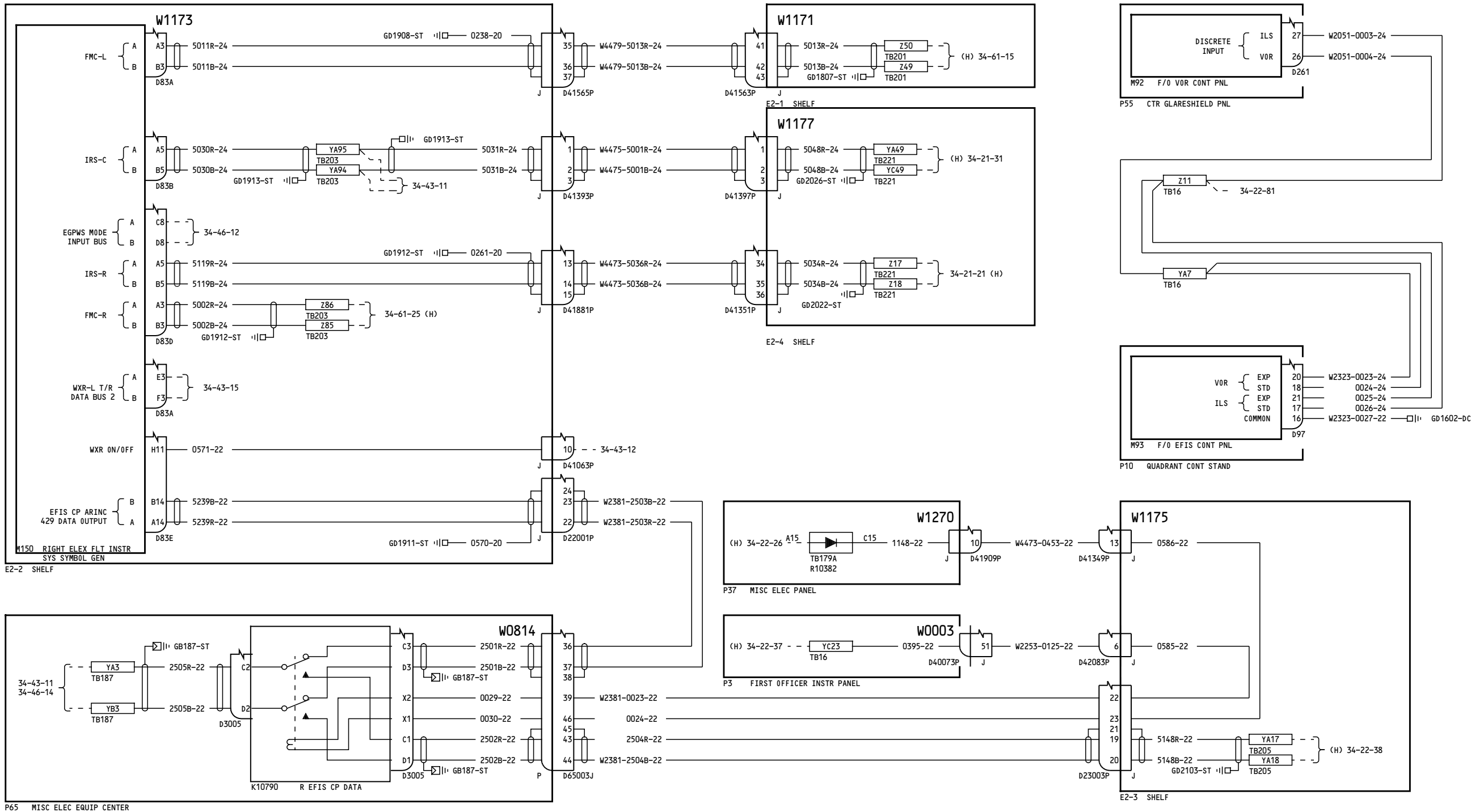
Aug 01/2005

34-22-28

Page 1

Aug 01/2005

125



002

EFIS SENSOR "A"
INTERFACE - RIGHT

D280N032

34-22-28

Page 1.1

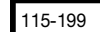
Aug 01/2005

Incorporates
34-0200

34-22-28

Page 1.1

Aug 01/2005



34-22-28

34-22-28

D280N032

Aug 01/2005

Aug 01/2005

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details.



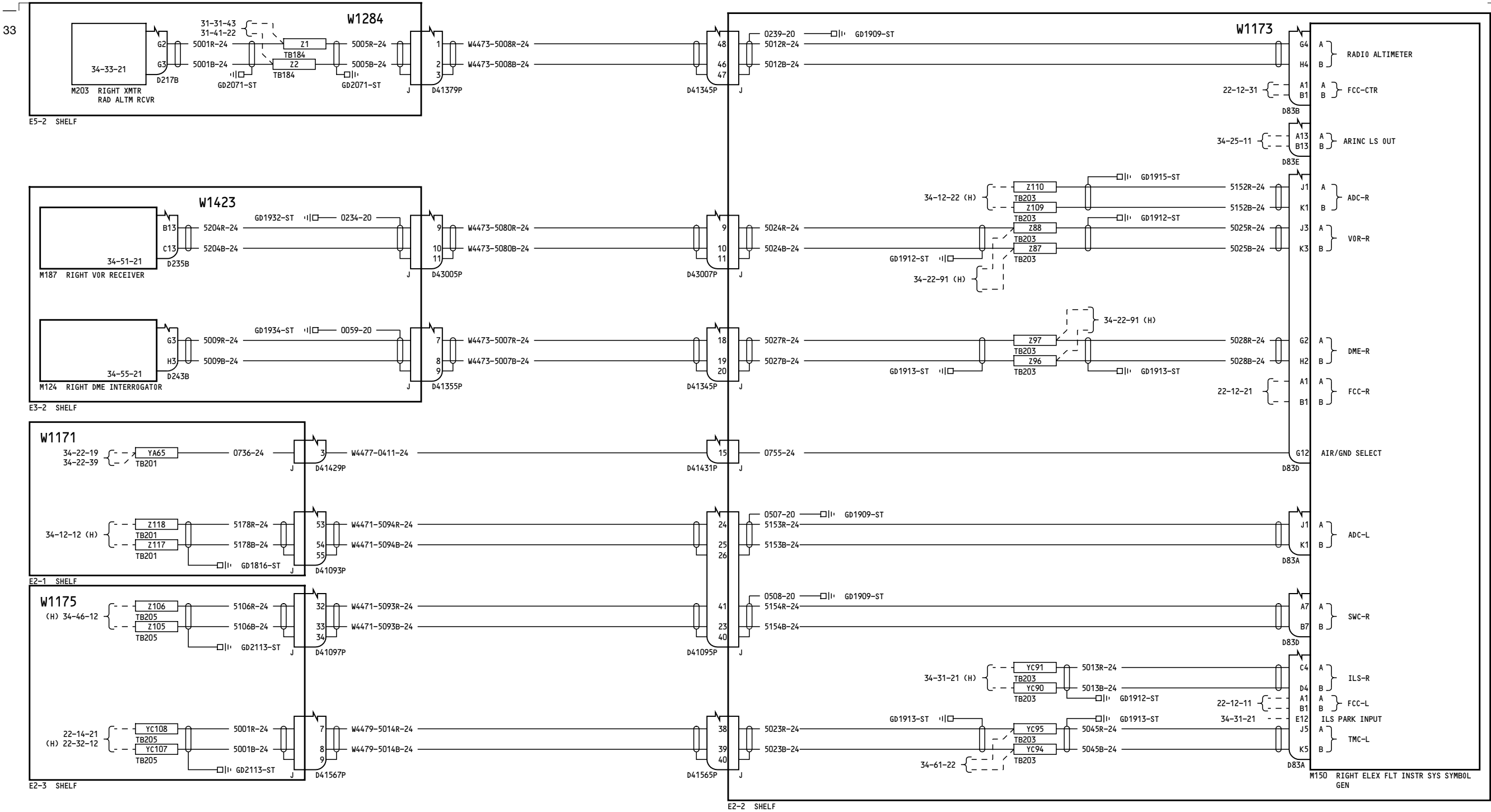
34-22-28

Dec 18/2007

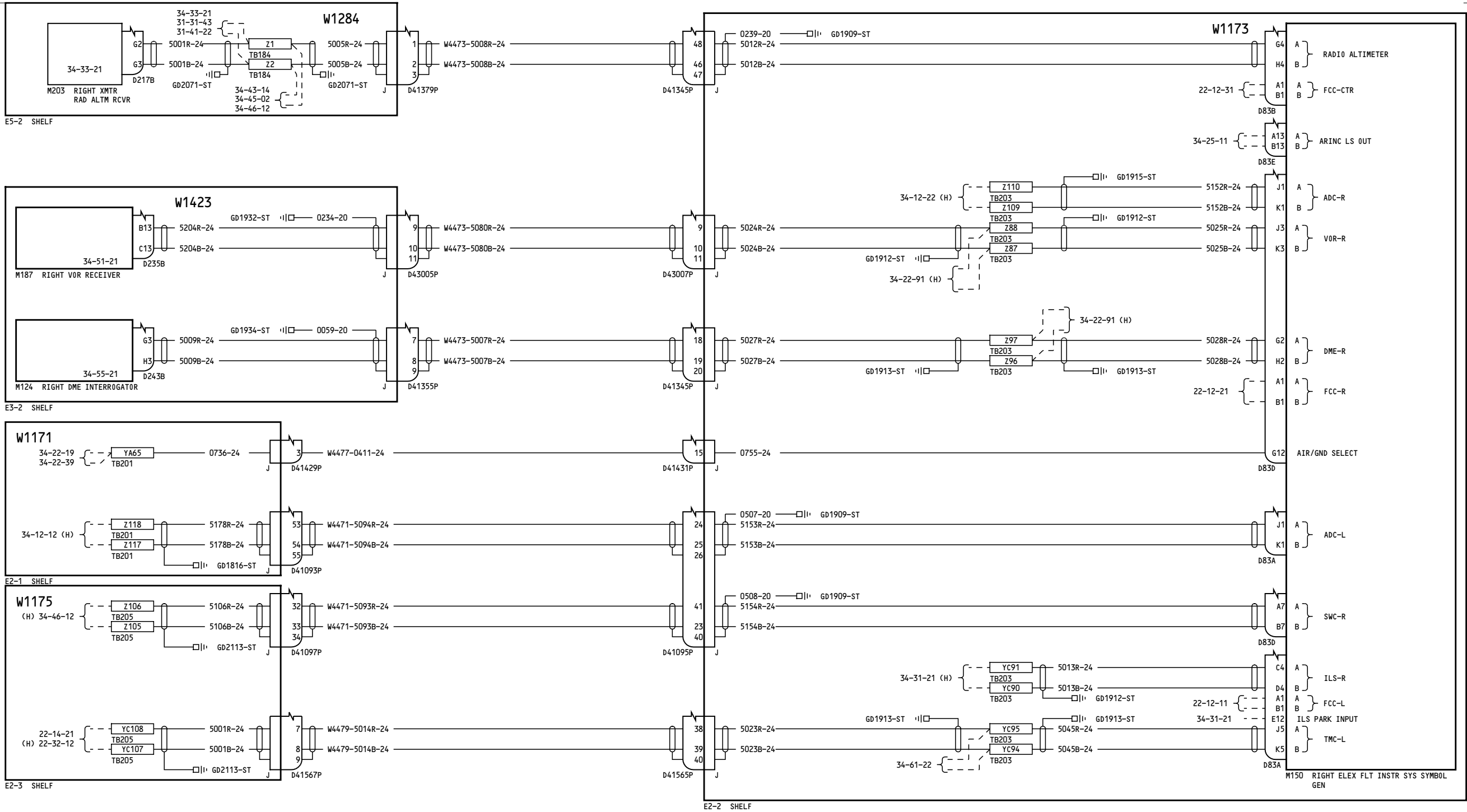
Incorporates
▶ 34-0414

34-22-28

Dec 18/2007



184



002

EFIS SENSOR "B"
INTERFACE - RIGHT

D280N032

34-22-29

Page 1.1

Aug 01/2005

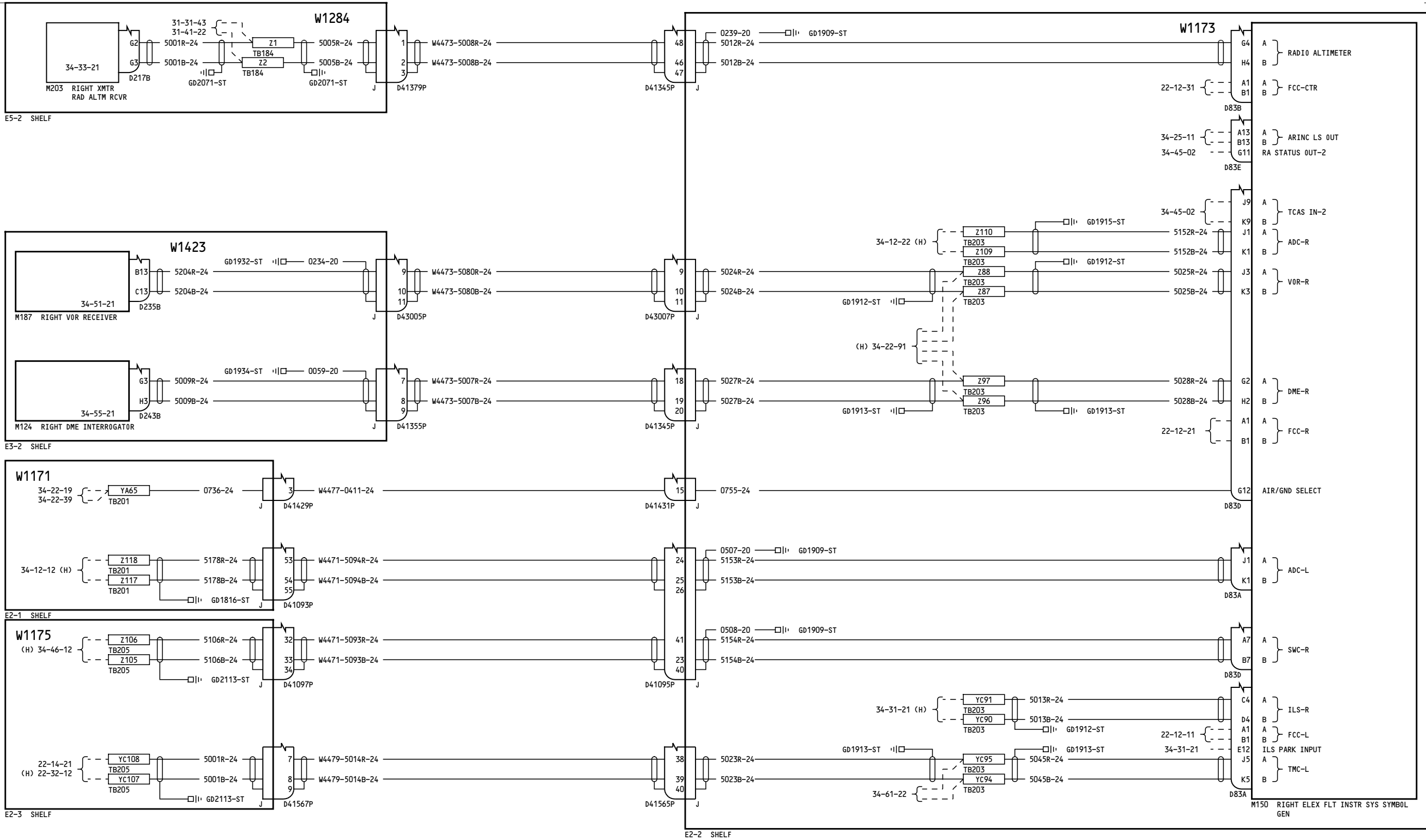
Incorporates
34-0200

34-22-29

Page 1.1

Aug 01/2005

57



003-099

EFIS SENSOR "B"
INTERFACE - RIGHT

D280N032

34-22-29

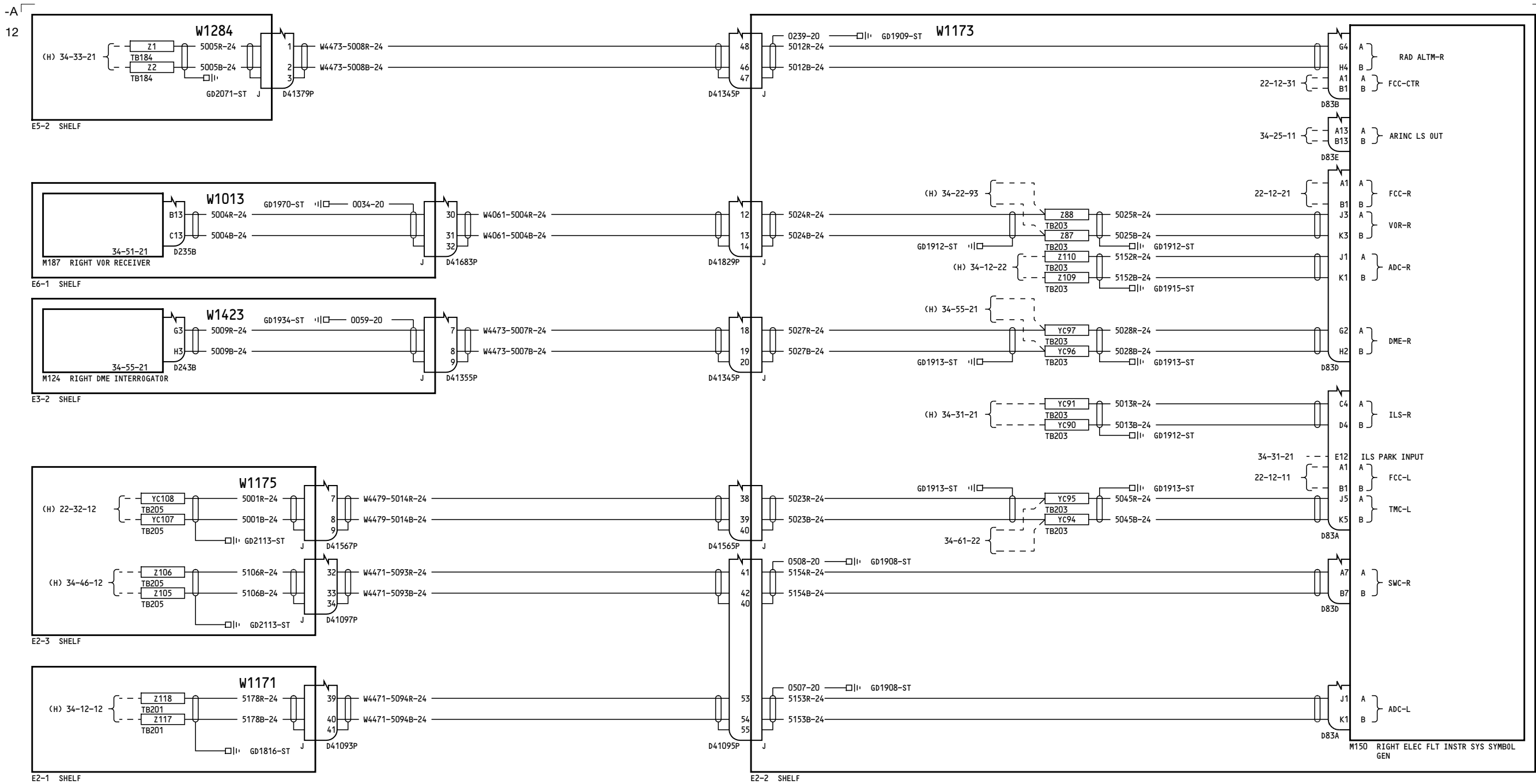
Page 2

Aug 01/2005

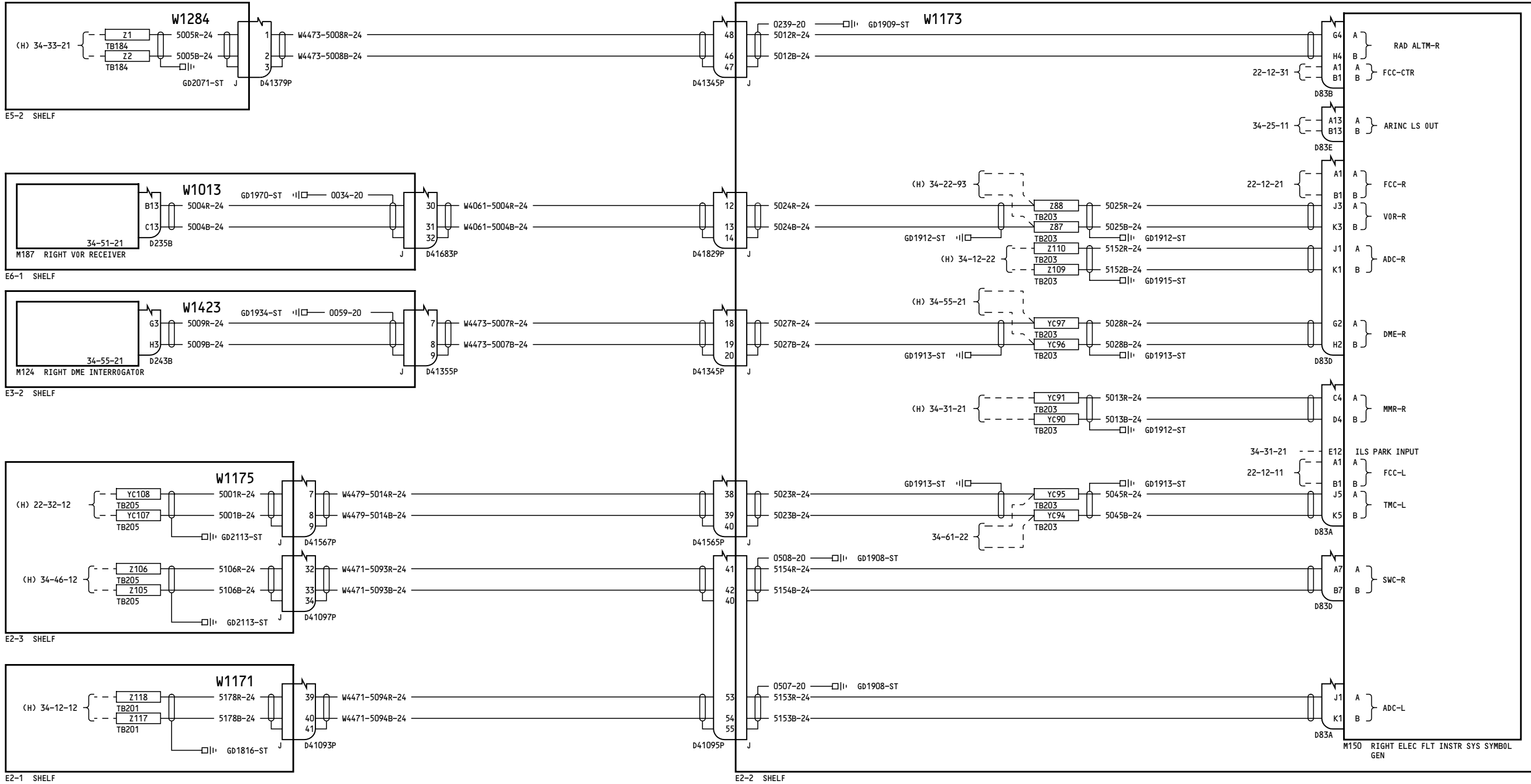
34-22-29

Page 2

Aug 01/2005



211



115

EFIS SENSOR "B"
INTERFACE - RIGHT

D280N032

34-22-29

Page 3.1

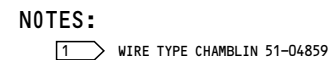
Dec 18/2007

Incorporates
34-0400

34-22-29

Page 3.1

Dec 18/2007



**EFIS SG/CP/F/O
INTERFACE - CENTER**

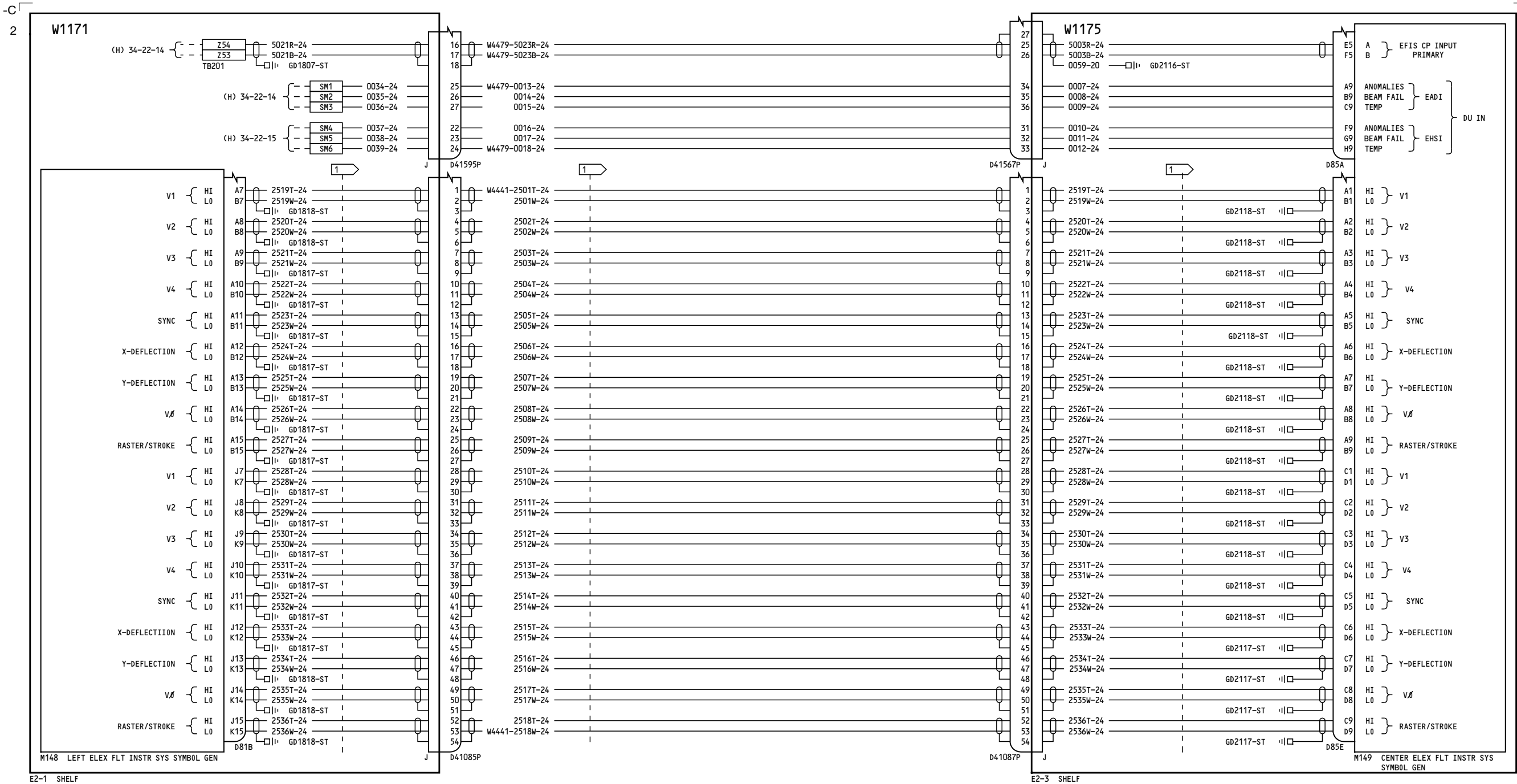
34-22-34

Jan 21/2005

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details.

34-22-34

Jan 21/2005



NOTES:

1 WIRE TYPE CHAMPLIN 51-04859

ALL	EFIS SG/CP/CAPT DU INTERFACE CHANNEL - CENTER
	D280N032

34-22-35

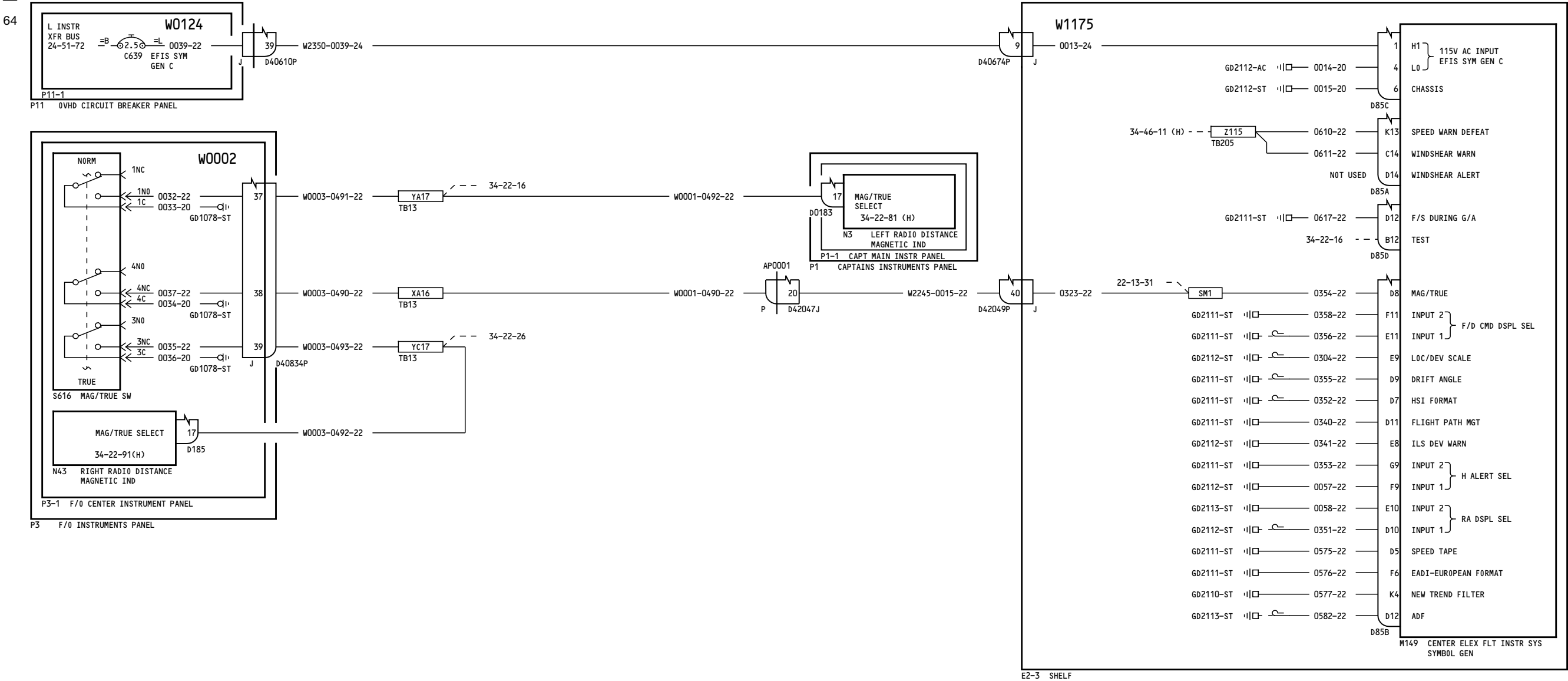
Page 1

Jan 21/2005

34-22-35

Page 1

Jan 21/2005



001

EFIS POWER/LIGHTING/
PROGRAM PINS - CENTER

34-22-36

Page 1

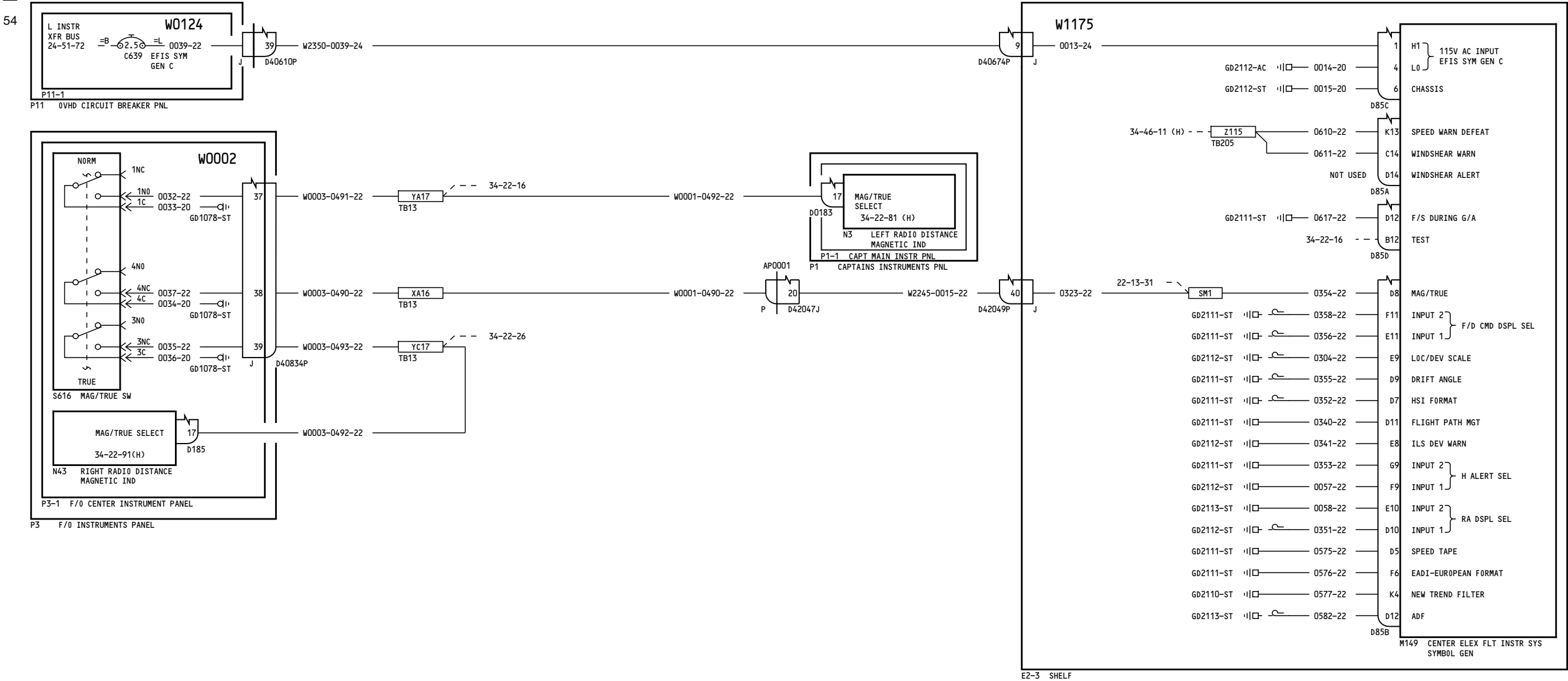
Jan 21/2005

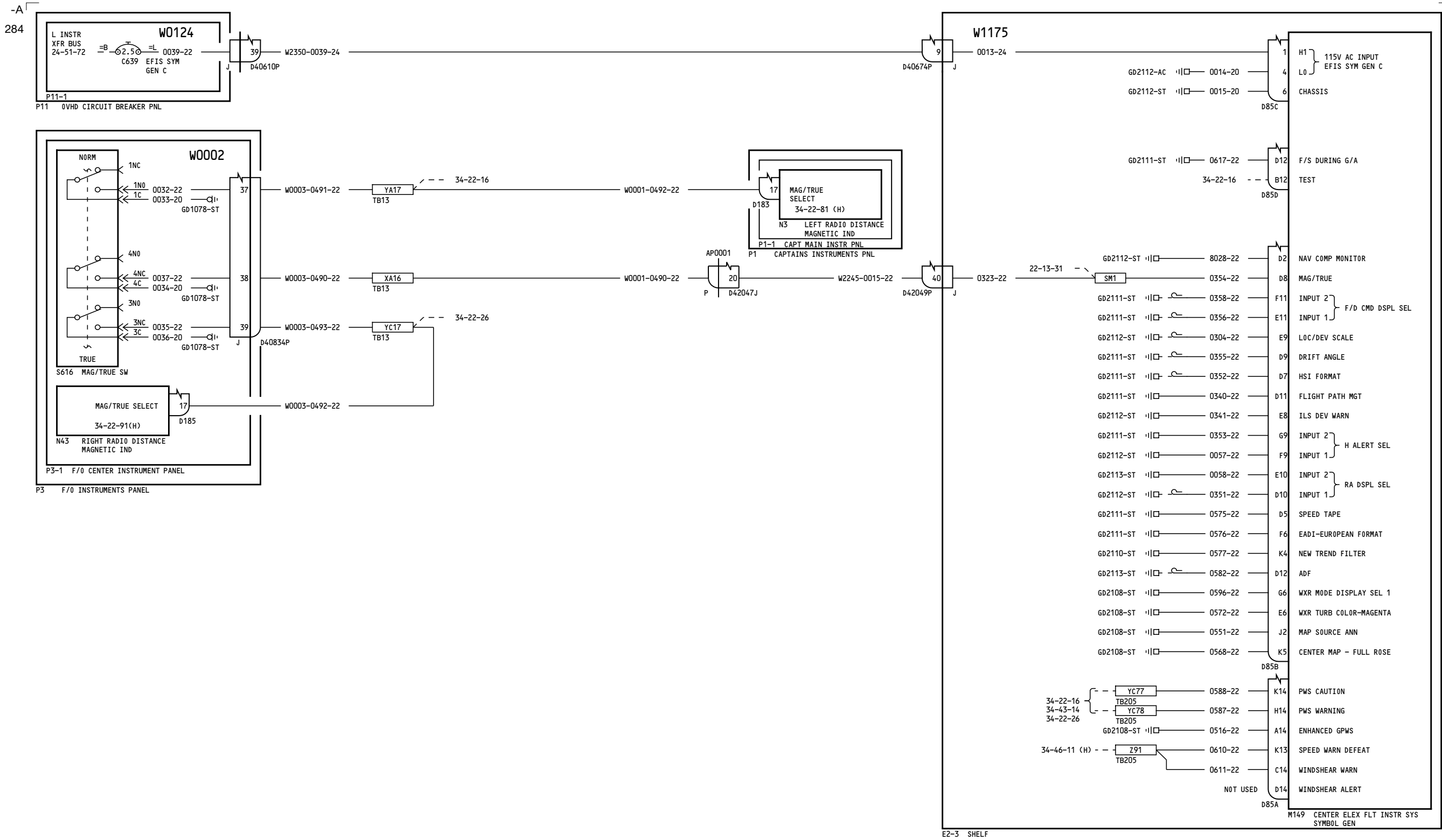
D280N032

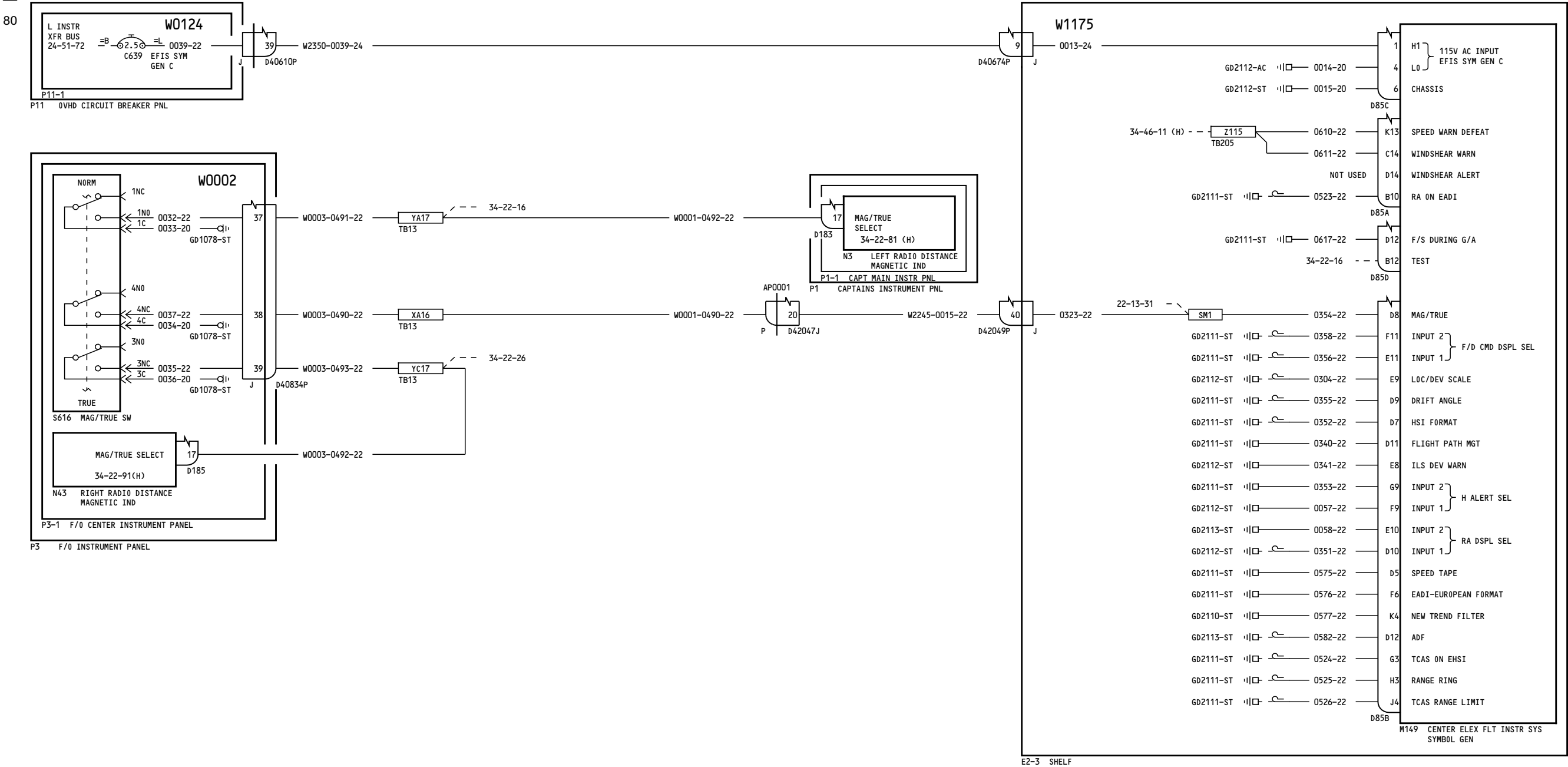
34-22-36

Page 1

Jan 21/2005







003-006

EFIS POWER/LIGHTING/
PROGRAM PINS - CENTER

34-22-36

Page 3

Jan 21/2005

D280N032

34-22-36

Page 3

Jan 21/2005



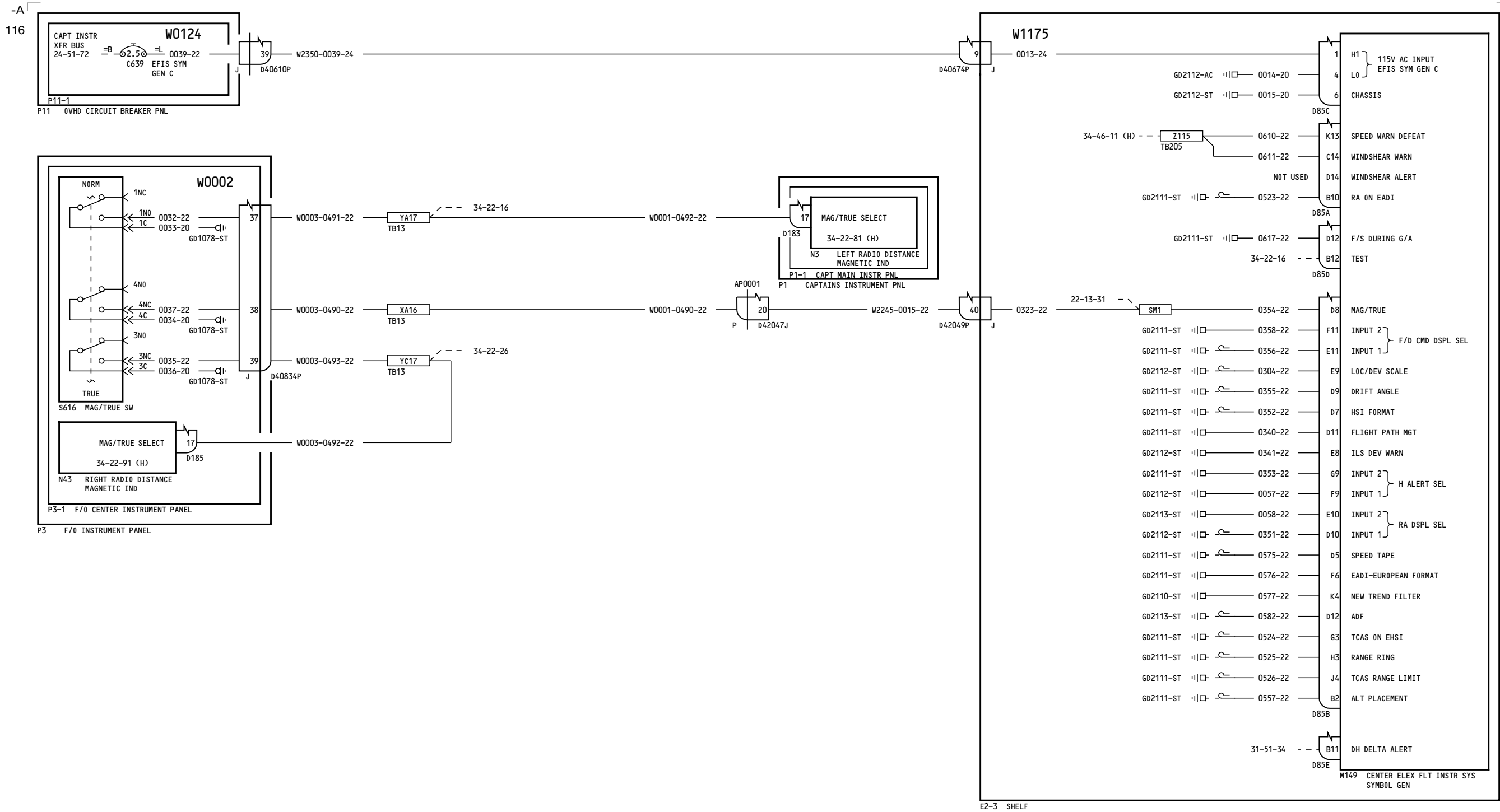
34-22-36

D280N032

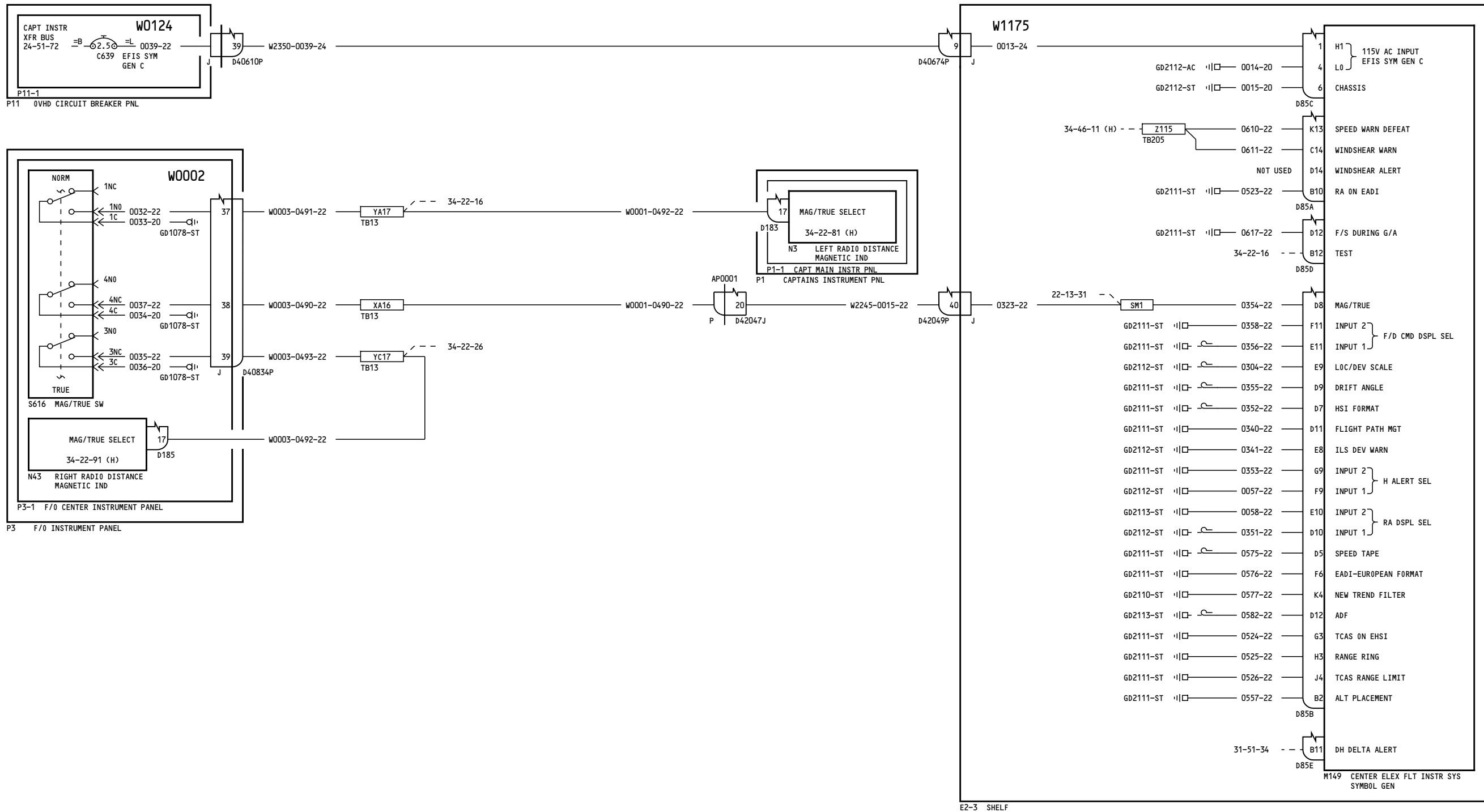
Jan 21/2005

34-22-36

Jan 21/2005



172



009

**EFIS POWER/LIGHTING/
PROGRAM PINS - CENTER**

D280N032

34-22-36

Page 5.1

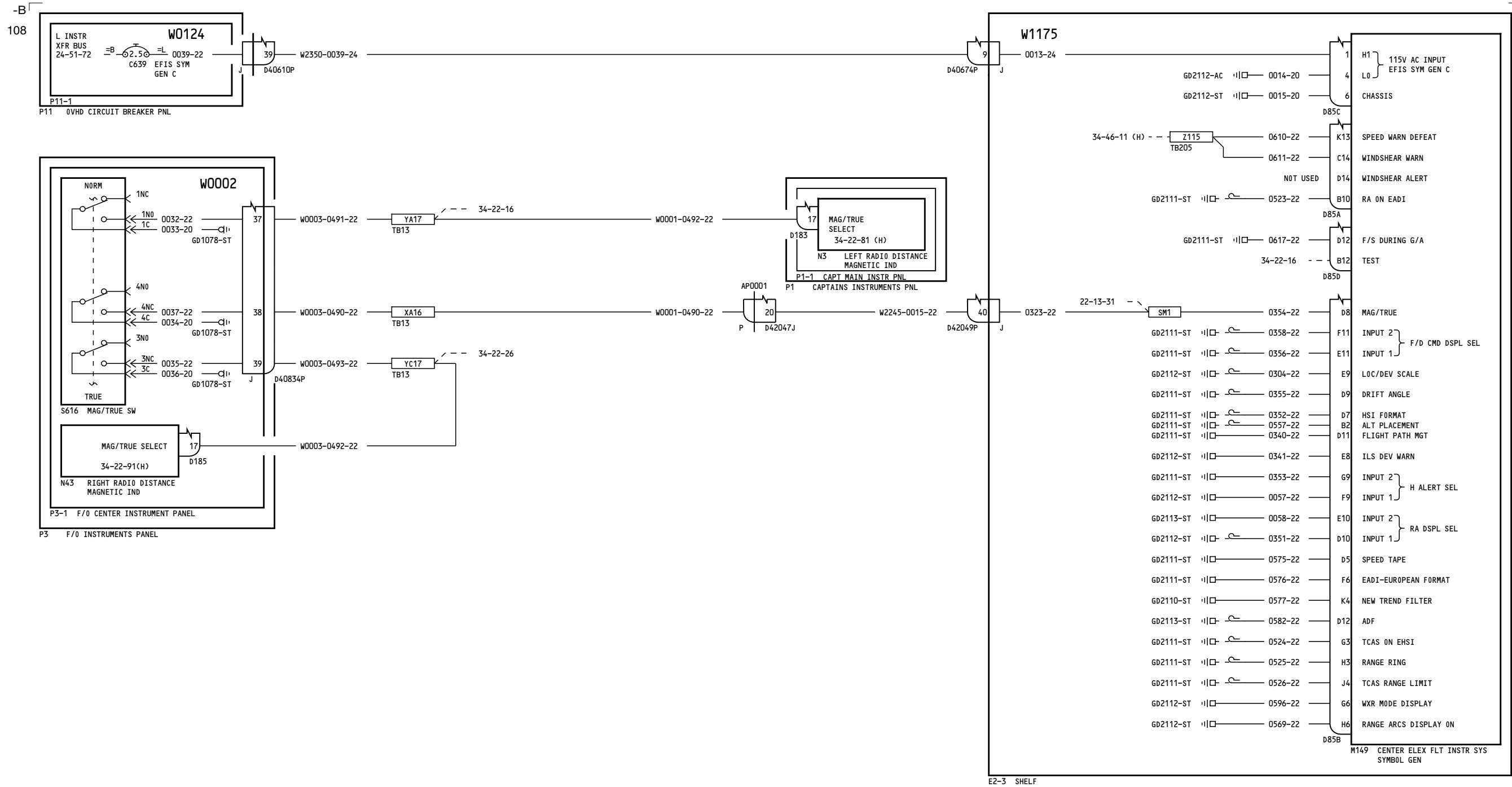
Jan 21/2005

Incorporates
34-0097

34-22-36

Page 5.1

Jan 21/2005



010-099

EFIS POWER/LIGHTING/
PROGRAM PINS - CENTER

34-22-36

Page 6

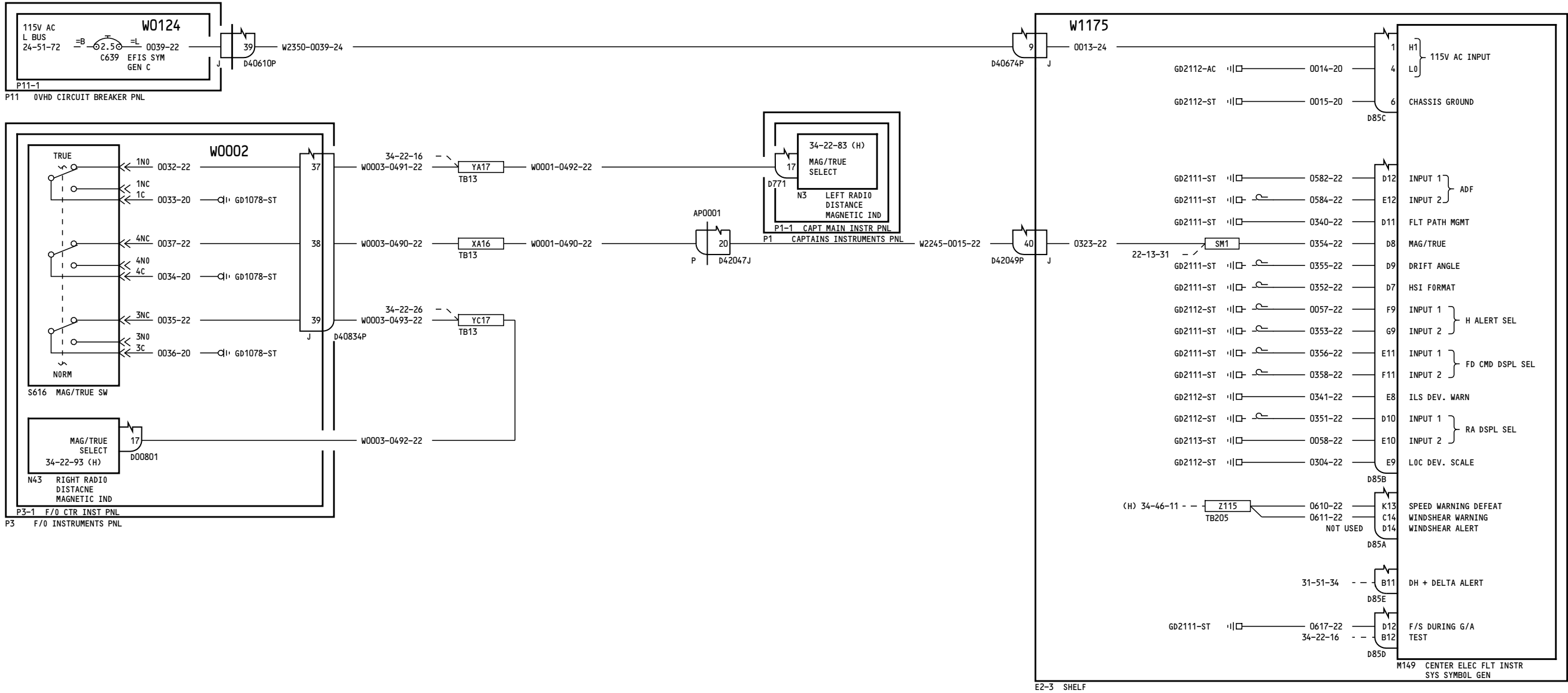
Jan 21/2005

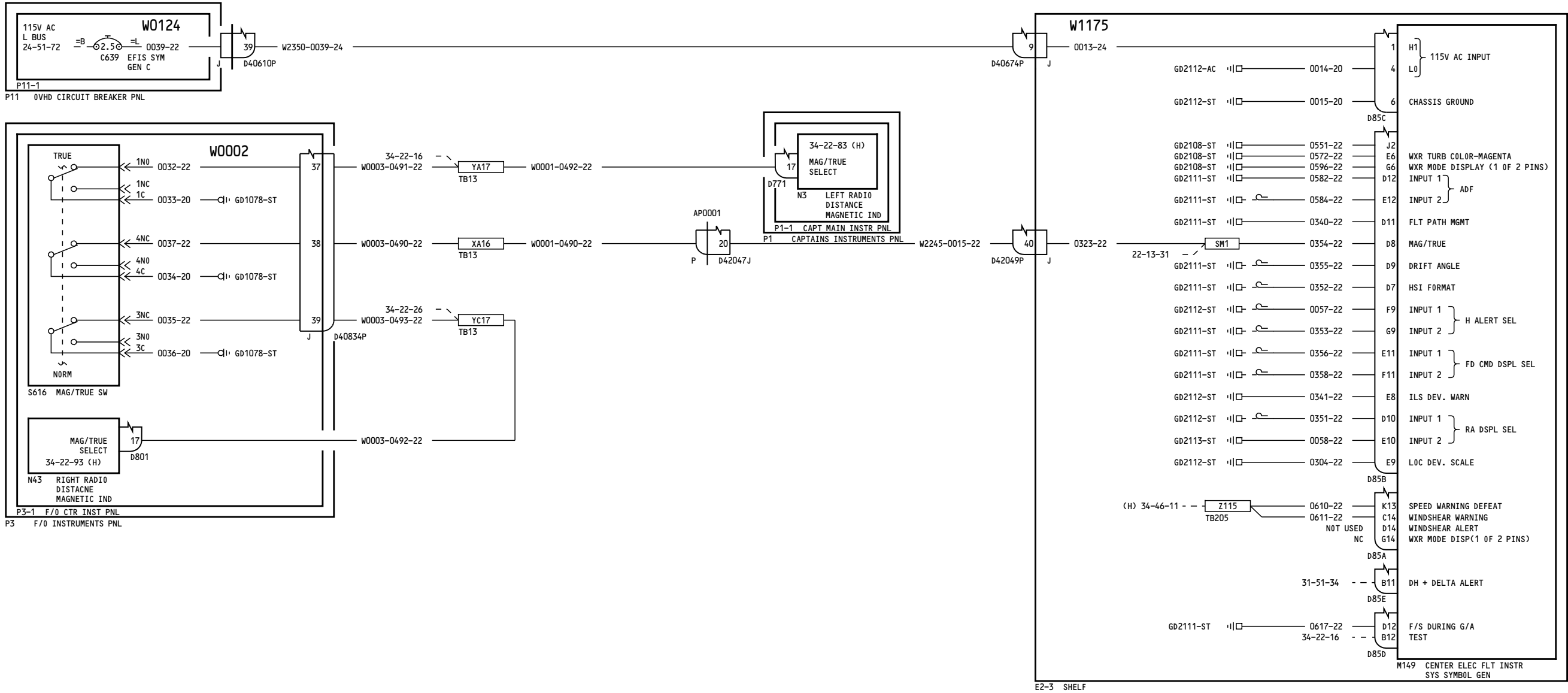
D280N032

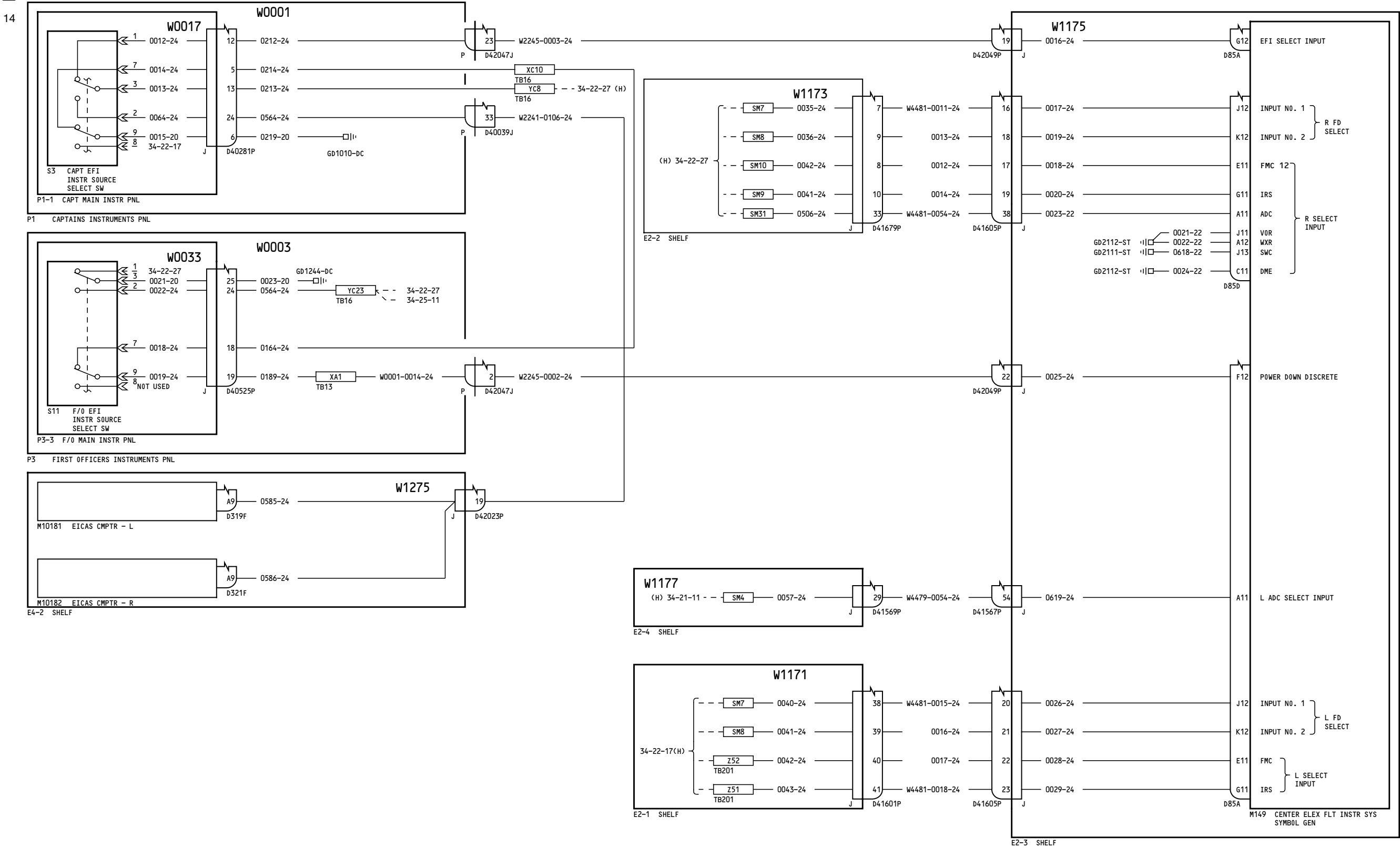
34-22-36

Page 6

Jan 21/2005







001-099

EFIS INSTRUMENT SWITCHING - CENTER

D280N032

34-22-37

Page 1

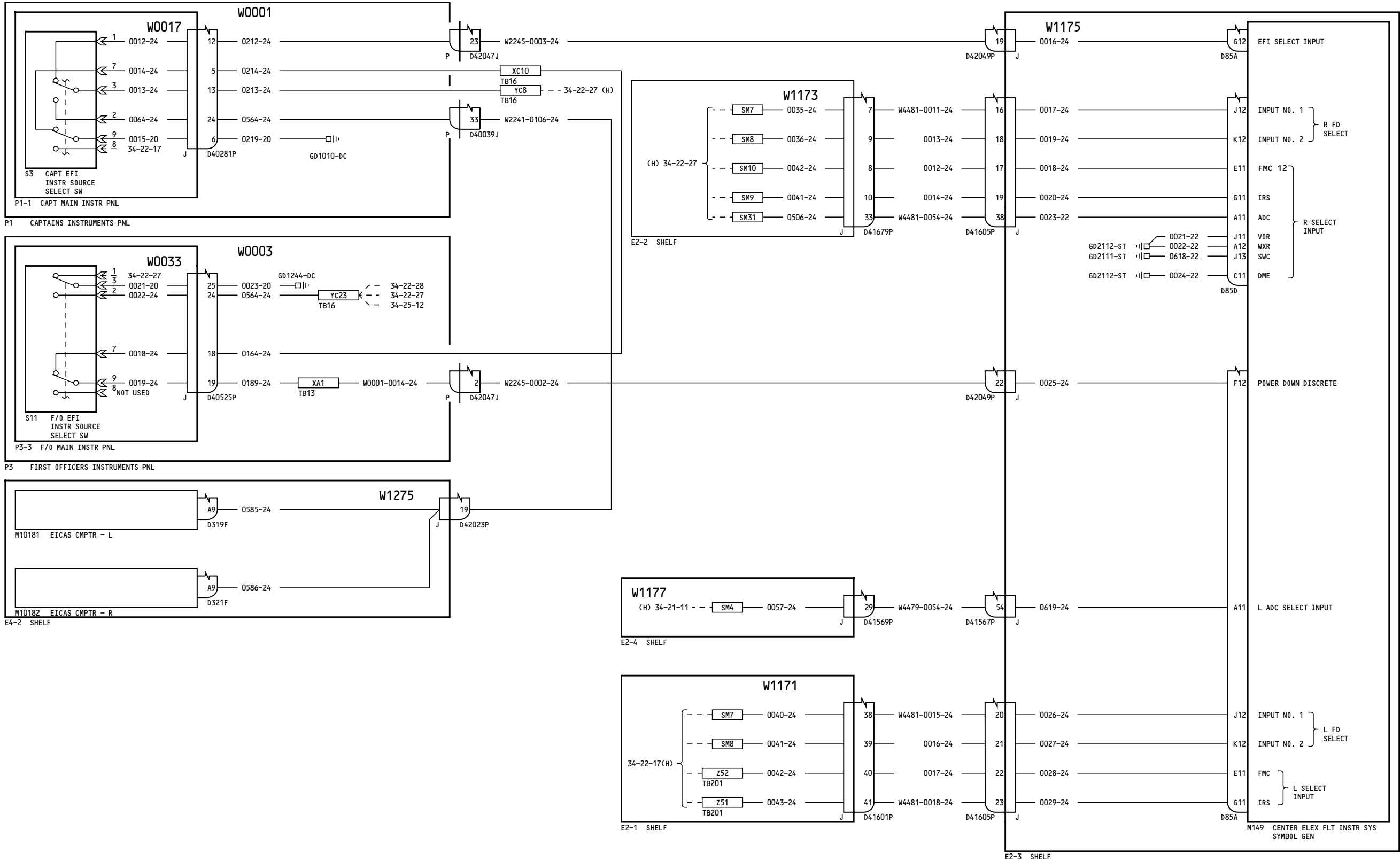
Jan 21/2005

34-22-37

Page 1

Jan 21/2005

99



002

EFIS INSTRUMENT SWITCHING - CENTER

D280N032

34-22-37

Page 1.1

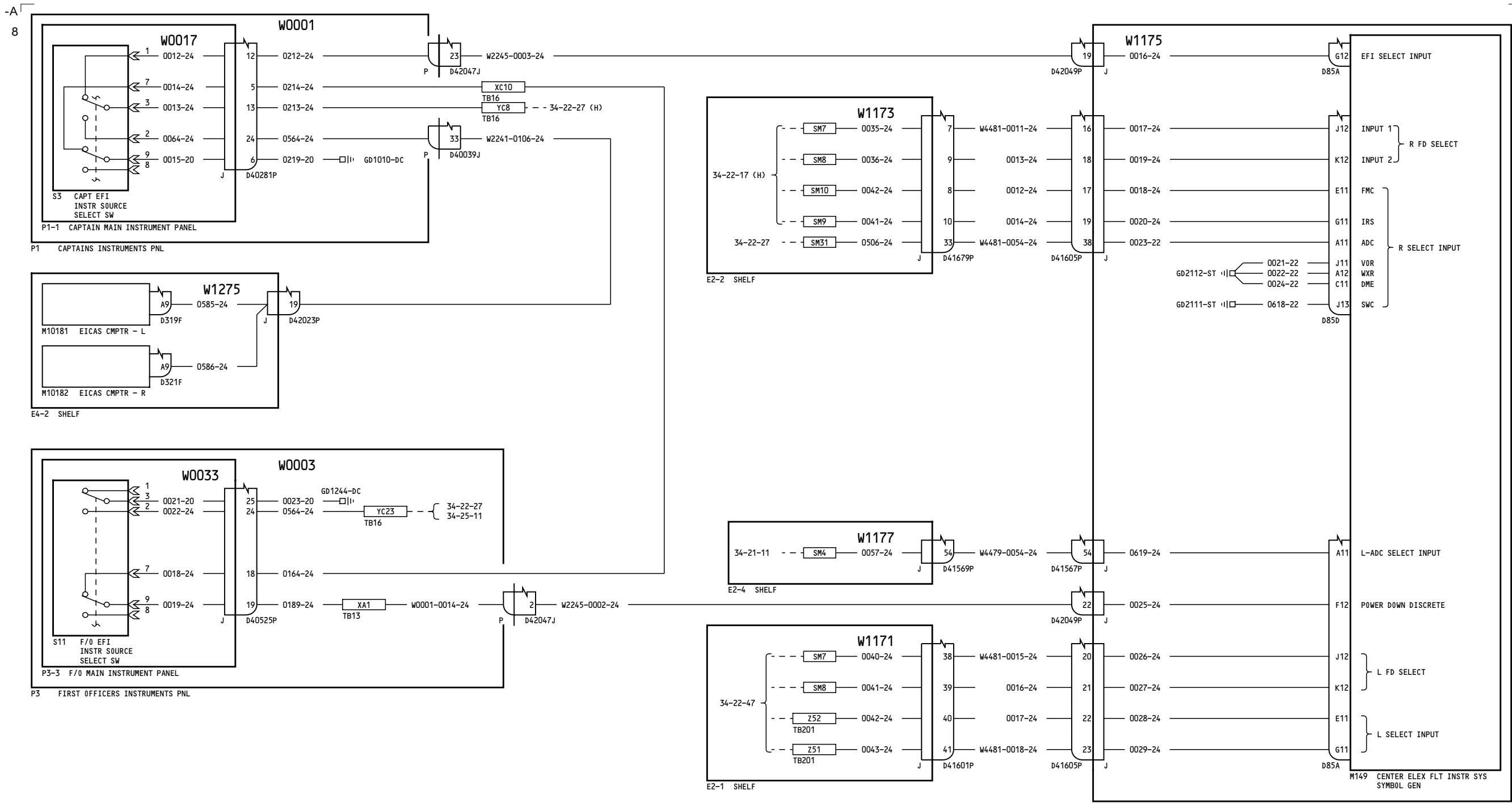
Jan 21/2005

Incorporates
34-0200

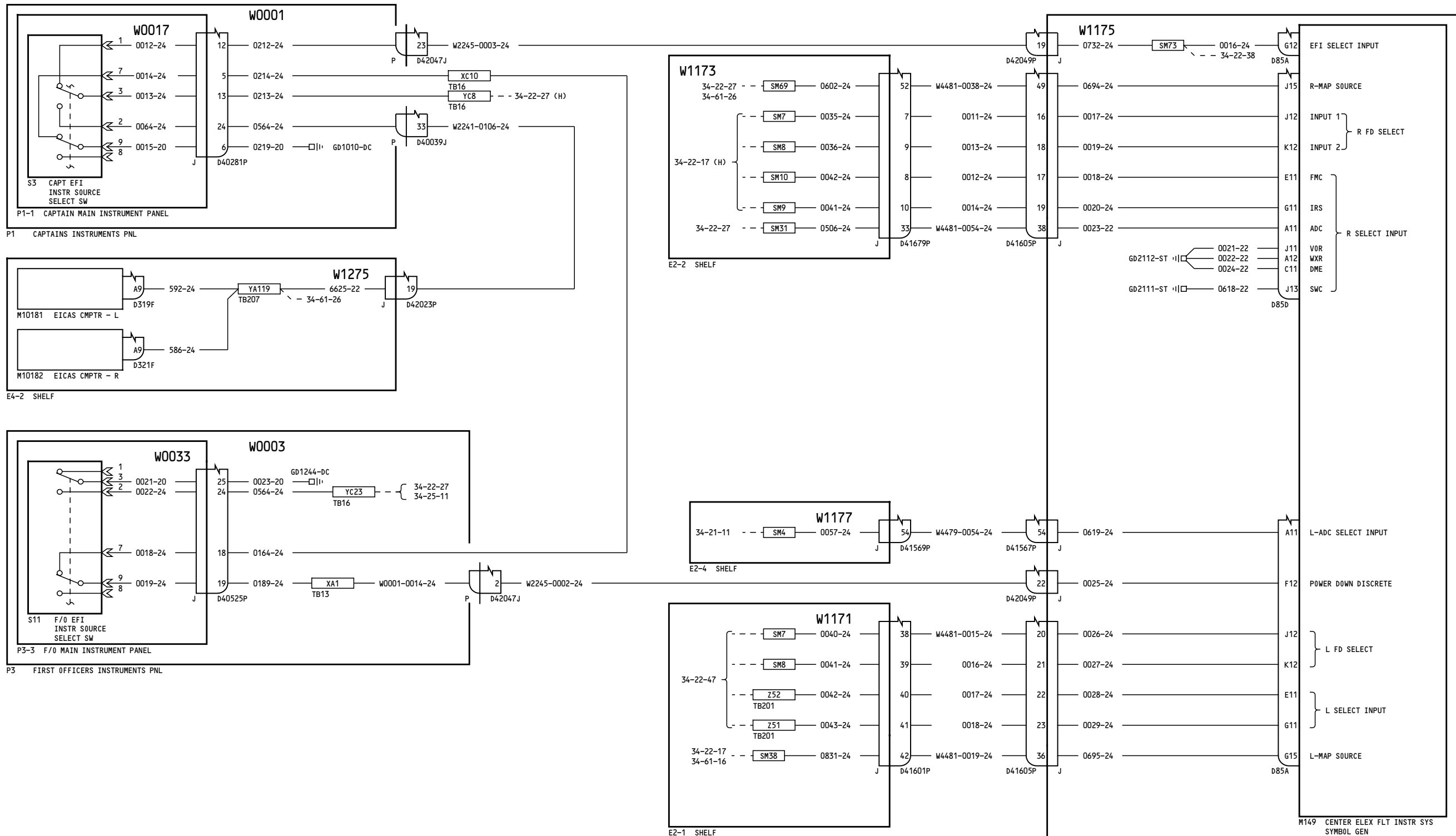
34-22-37

Page 1.1

Jan 21/2005



130



115

EFIS INSTRUMENT SWITCHING - CENTER

D280N032

34-22-37

Page 2.1

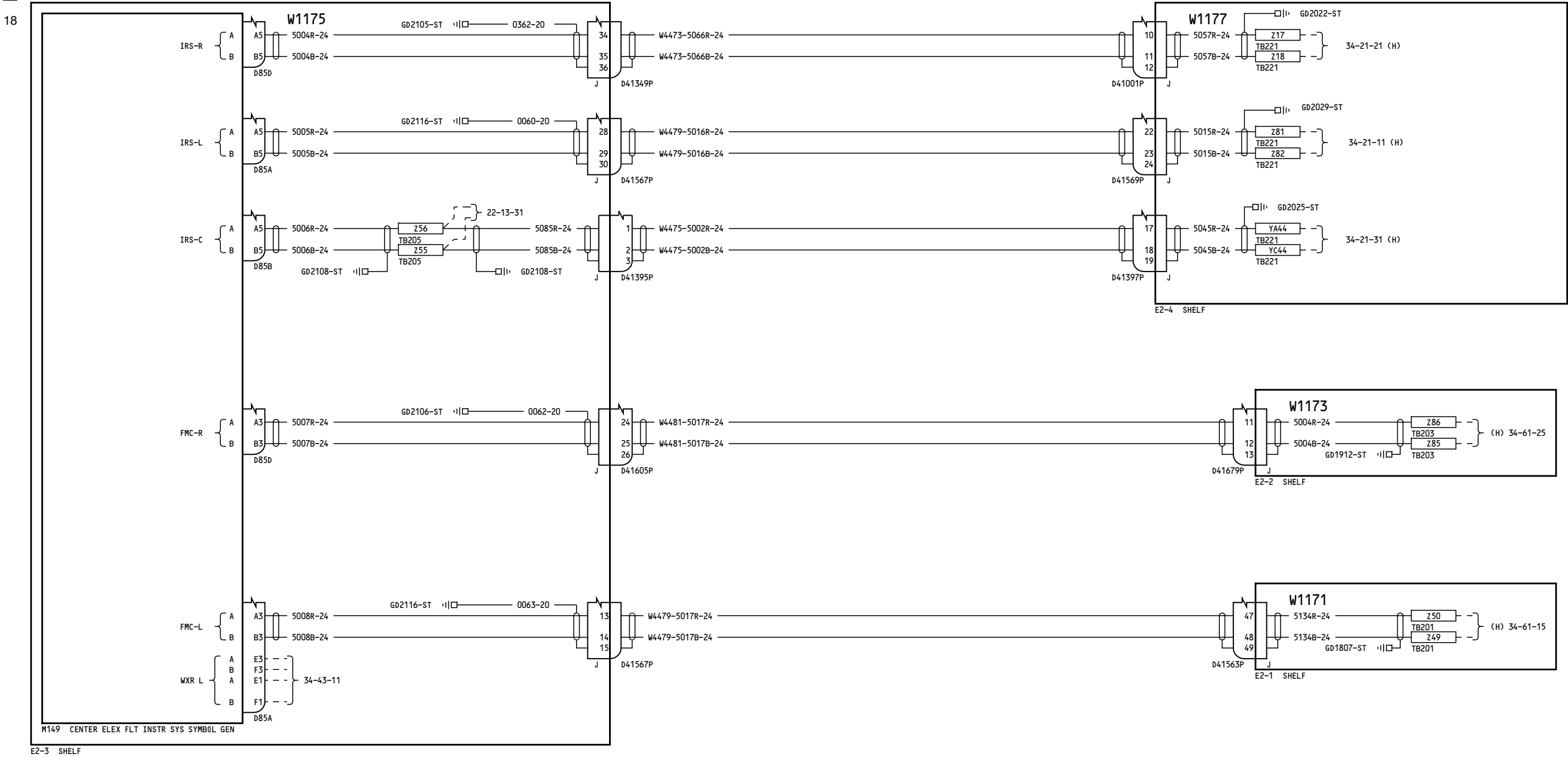
Oct 09/2008

Incorporates
34-0414

34-22-37

Page 2.1

Oct 09/2008





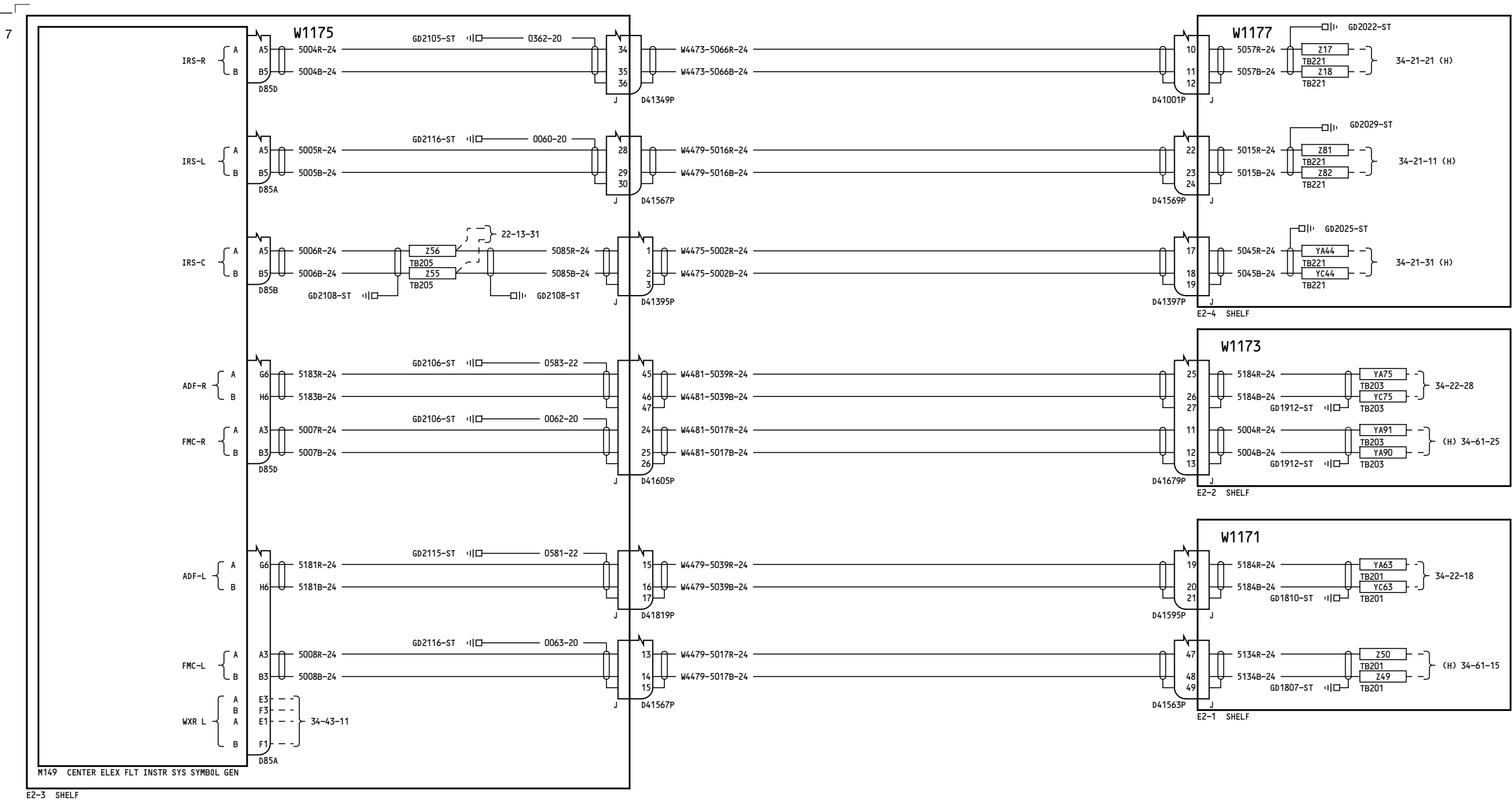
The diagram illustrates the wiring for the M149 CENTER ELEX FLT INSTR SYS SYMBOL GEN, organized into three main sections corresponding to different shelves:

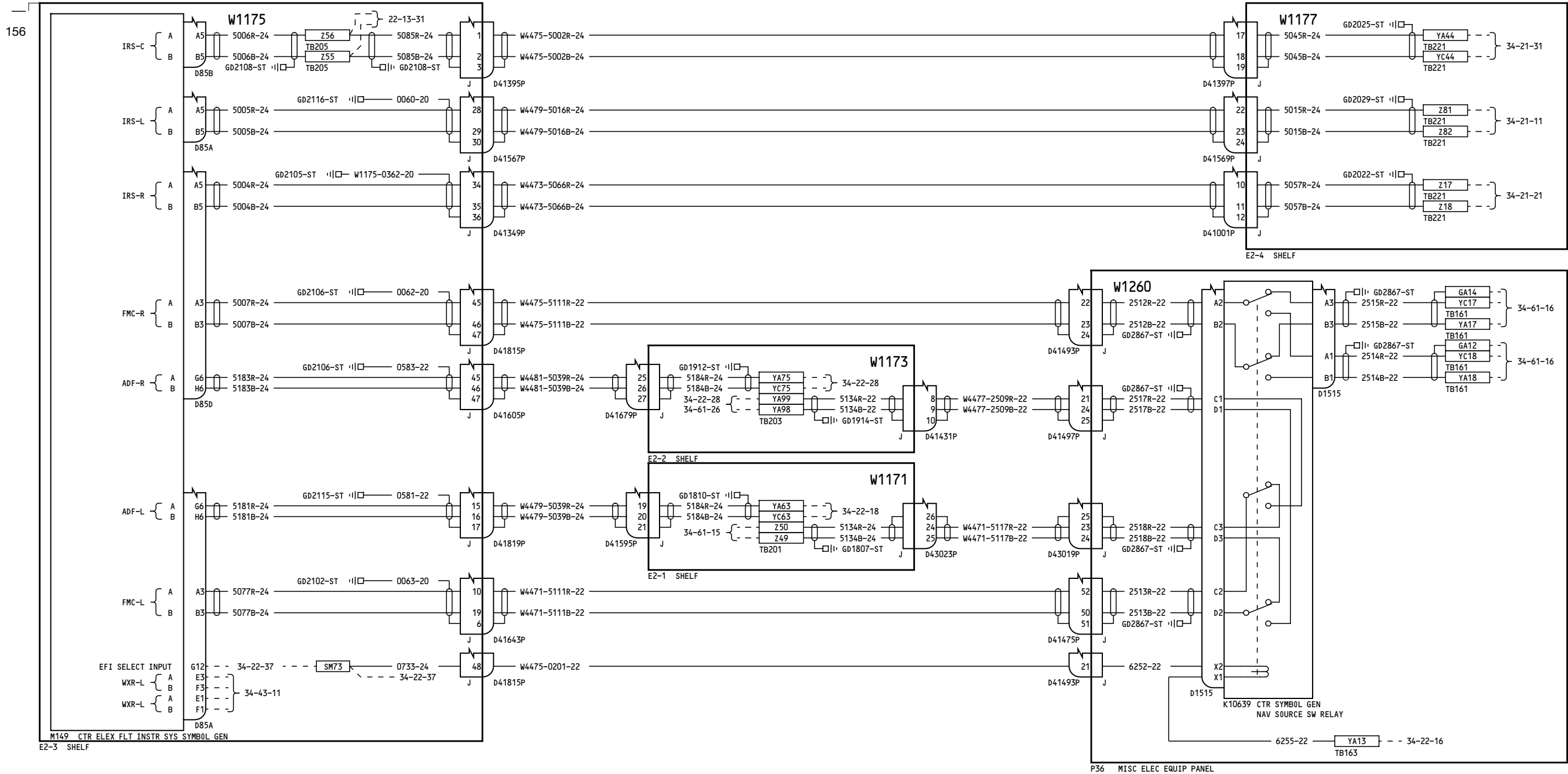
- E2-3 SHELF:** Contains the main system unit. It features several input/output modules:
 - IRS-R:** 5004R-24 and 5004B-24.
 - EGPWS MODE INPUT BUS:** 5159R-22 and 5159B-22.
 - IRS-L:** 5005R-24 and 5005B-24.
 - IRS-C:** 5006R-24 and 5006B-24.
 - EFIS CP LS DATA OUTPUT ARINC 429:** 5149R-22 and 5149B-22.
 - FMC-R:** 5007R-24 and 5007B-24.
 - FMC-L:** 5008R-24 and 5008B-24.
 - WXR L:** E3, F3, E1, and F1.
- E2-4 SHELF:** Contains three terminal blocks labeled W1175, W1177, and W1173.
 - W1175:** Connects to IRS-R, EGPWS MODE INPUT BUS, IRS-L, IRS-C, EFIS CP LS DATA OUTPUT ARINC 429, and FMC-R.
 - W1177:** Connects to IRS-R, IRS-L, IRS-C, and FMC-R.
 - W1173:** Connects to FMC-R.
- E2-2 SHELF:** Contains two terminal blocks labeled W1171 and W1173.
 - W1171:** Connects to FMC-L.
 - W1173:** Connects to FMC-L.

The diagram also shows various interconnectors, including D41349P, D41395P, D41567P, D41605P, D41563P, D41001P, D41569P, and D41397P, which facilitate the connection between the system unit and the terminal blocks. Additionally, there are several ground connections (GD2105-ST, GD2108-ST, GD2116-ST, GD2106-ST, GD2116-ST, GD1912-ST, GD1807-ST) and signal lines (0362-20, 0060-20, 0062-20, 0063-20) shown throughout the diagram.

Aug 01/2005

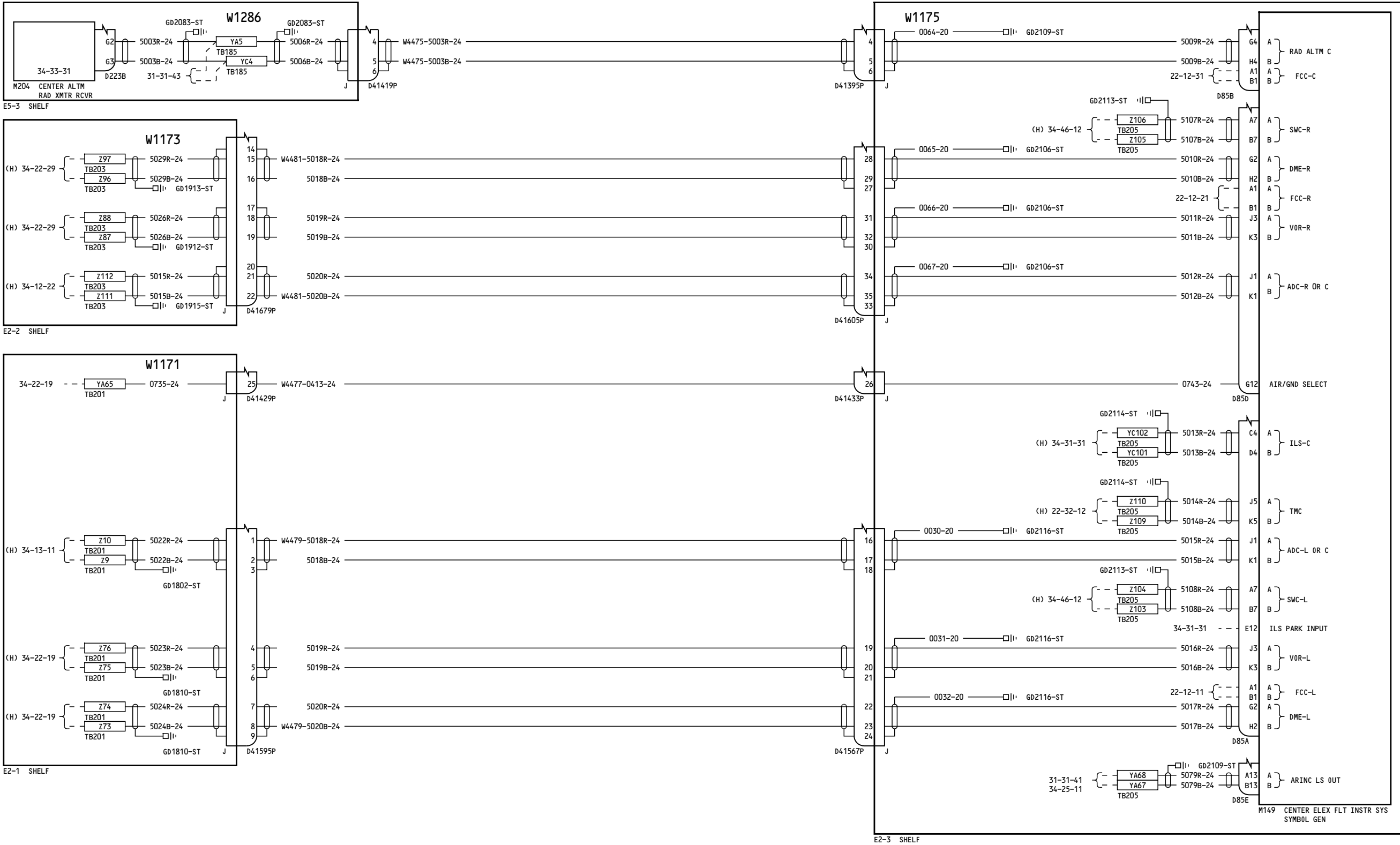
BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details.







22



001-002

EFIS SENSOR "B"
INTERFACE - CENTER

D280N032

34-22-39

Page 1

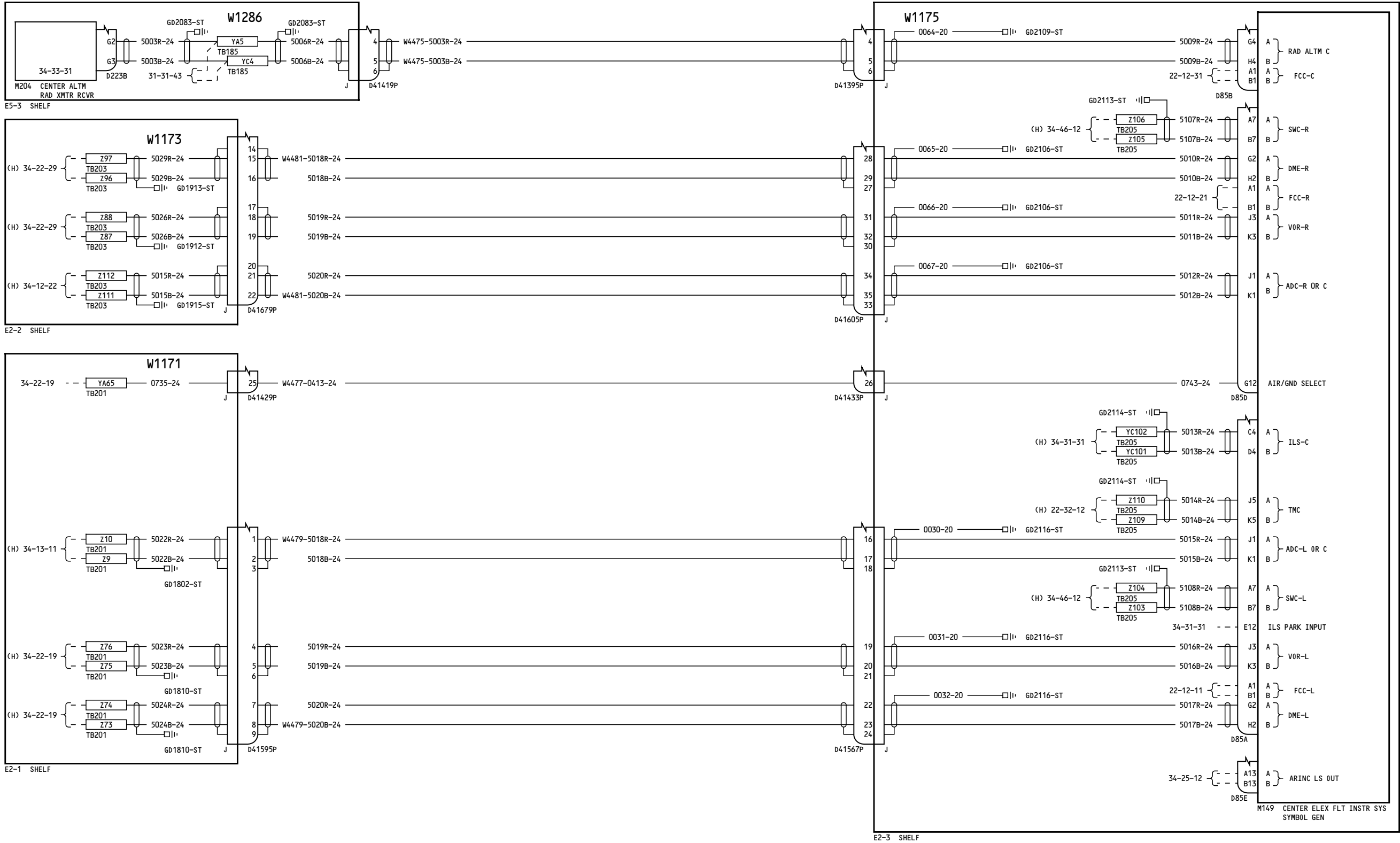
Aug 01/2005

34-22-39

Page 1

Aug 01/2005

157



002

**EFIS SENSOR "B"
INTERFACE - CENTER**

D280N032

34-22-39

Page 1.1

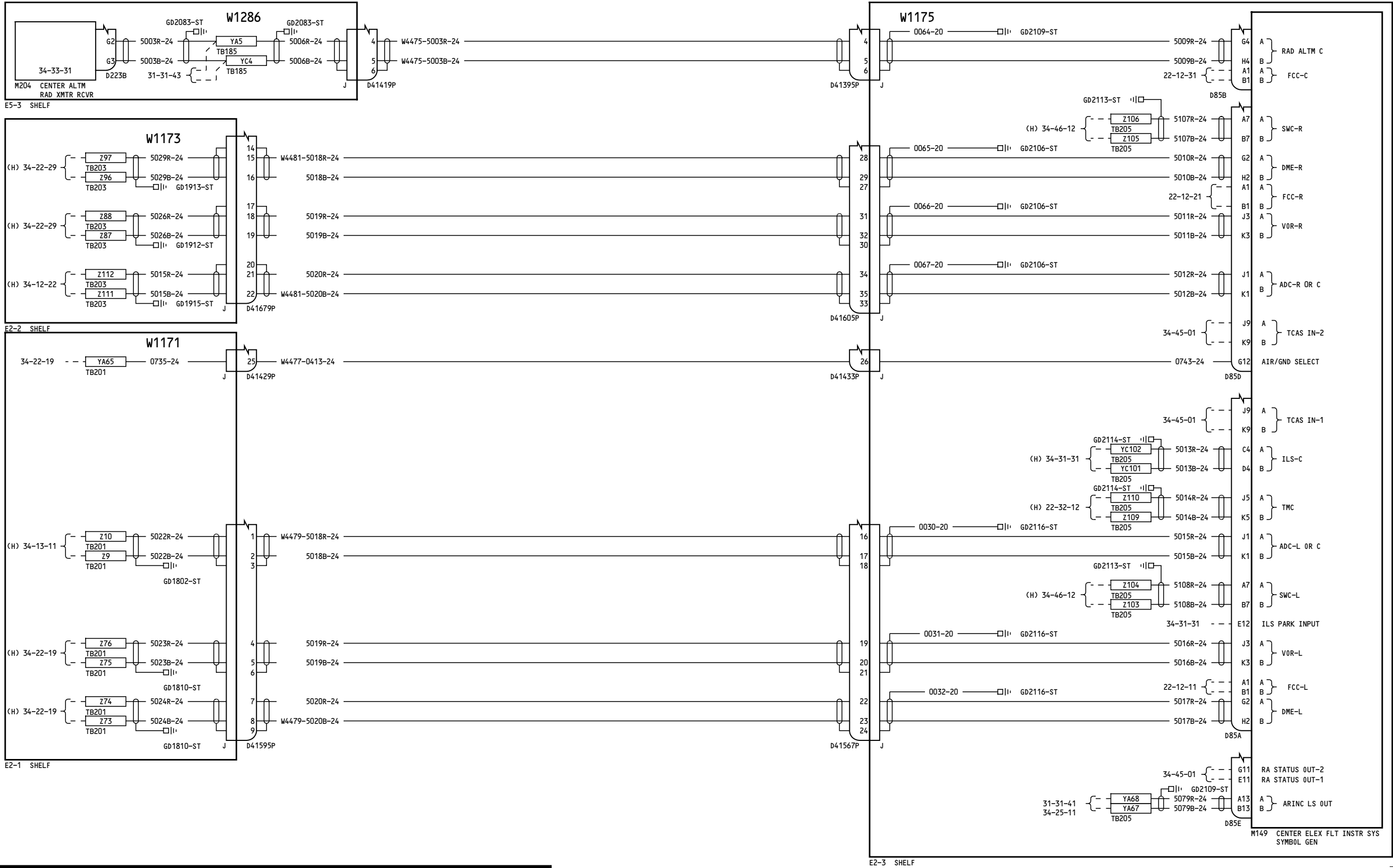
Aug 01/2005

Incorporates
34-0200

34-22-39

Page 1.1

Aug 01/2005



003-008, 010-099

EFIS SENSOR "B"
INTERFACE - CENTER

D280N032

34-22-39

Page 2

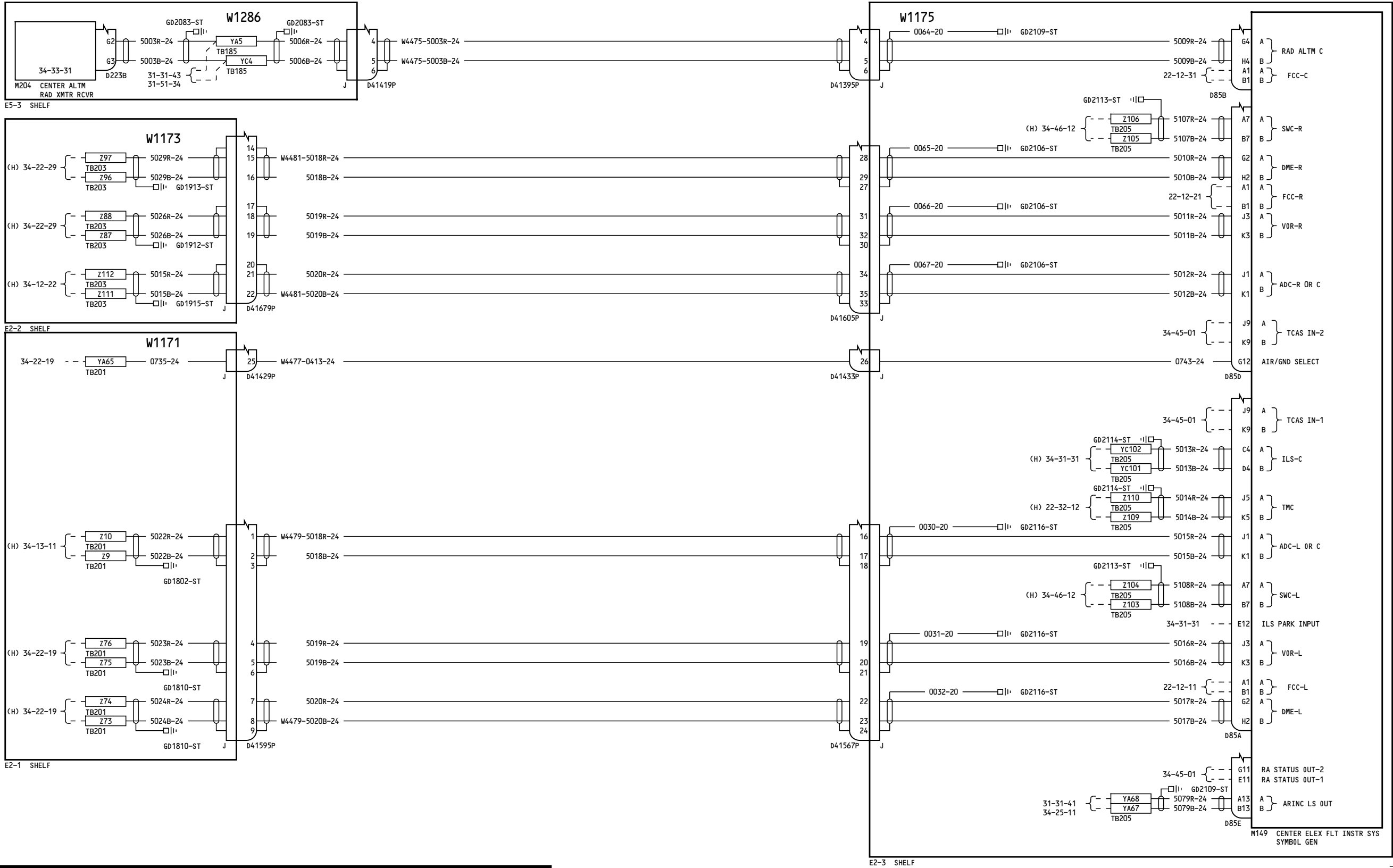
Aug 01/2005

34-22-39

Page 2

Aug 01/2005

54



009

EFIS SENSOR "B"
INTERFACE - CENTER

D280N032

34-22-39

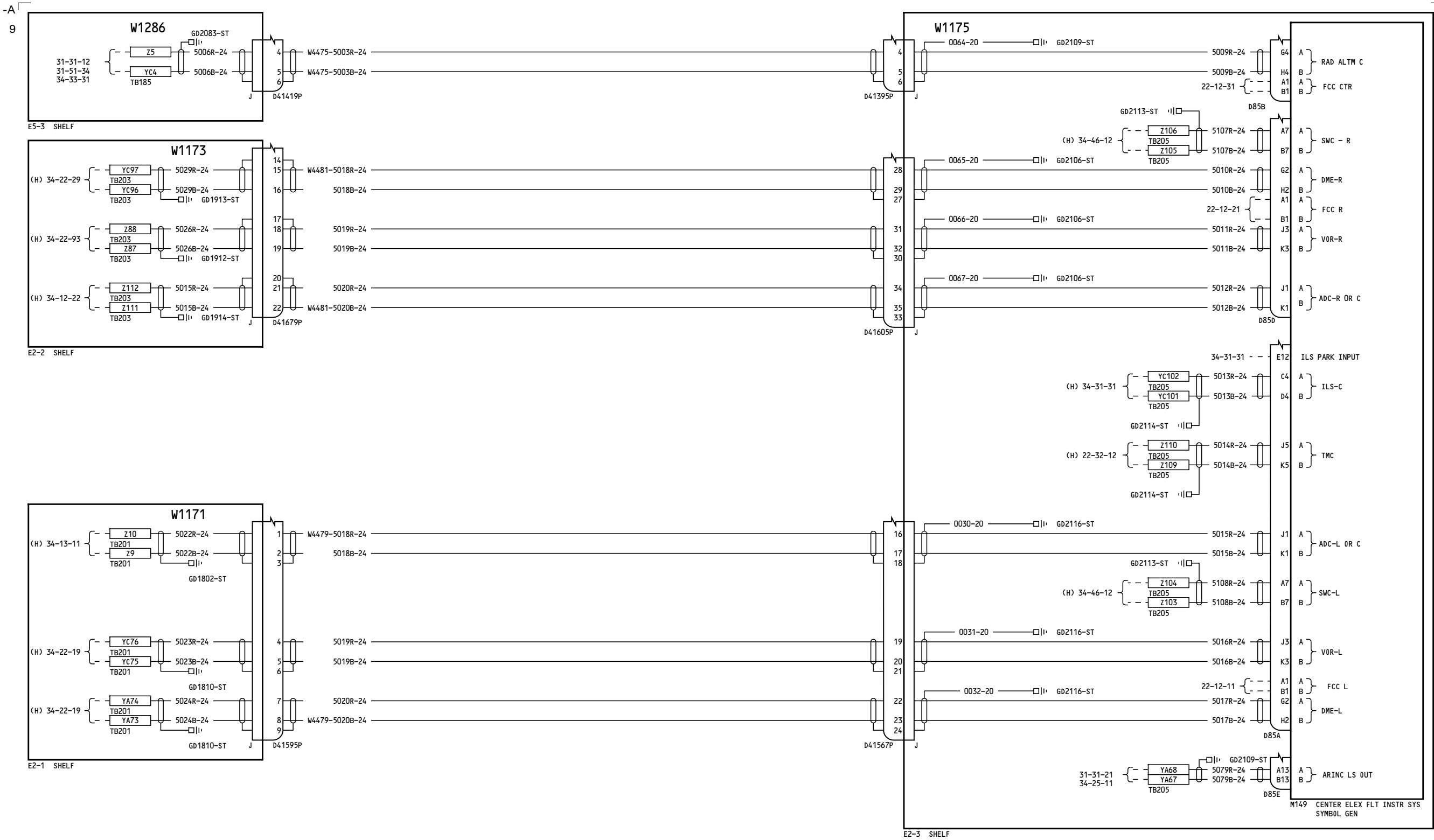
Page 3

Aug 01/2005

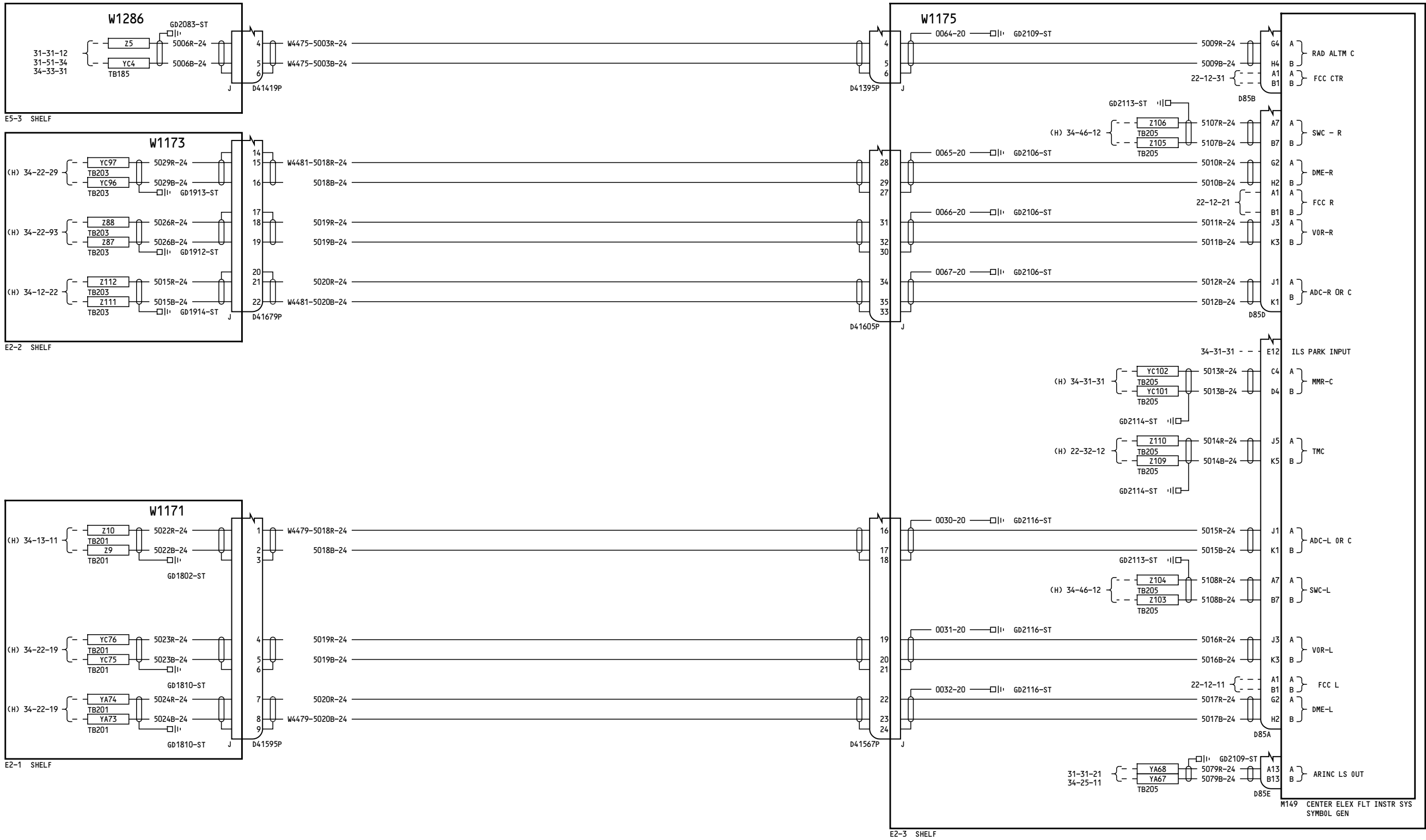
34-22-39

Page 3

Aug 01/2005



185



115

EFIS SENSOR "B"
INTERFACE - CENTER

D280N032

34-22-39

Page 4.1

Dec 18/2007

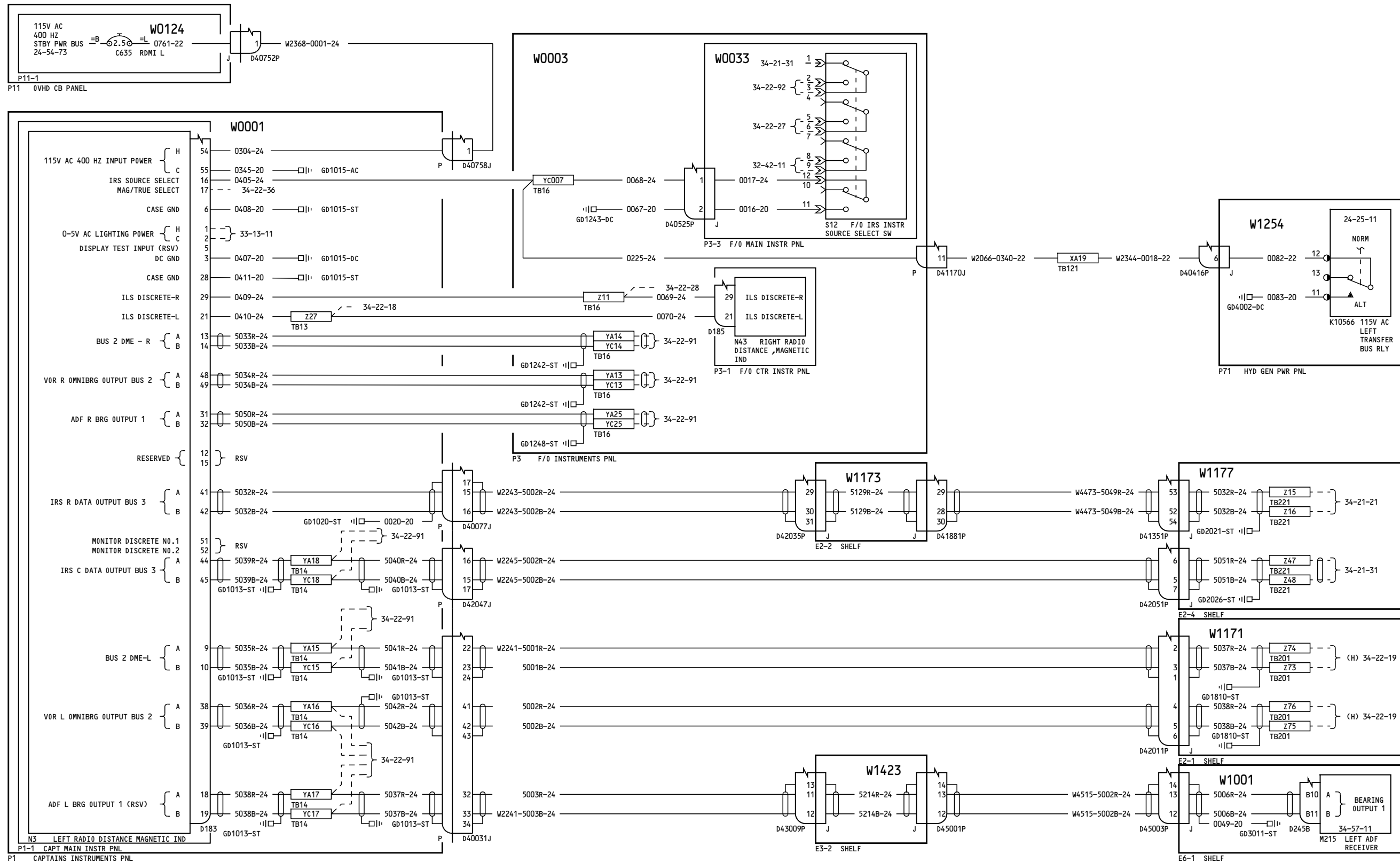
Incorporates
34-0400

34-22-39

Page 4.1

Dec 18/2007

-A
37



001-099

**RADIO DISTANCE MAGNETIC
INDICATOR - LEFT**

34-22-81

Page 1

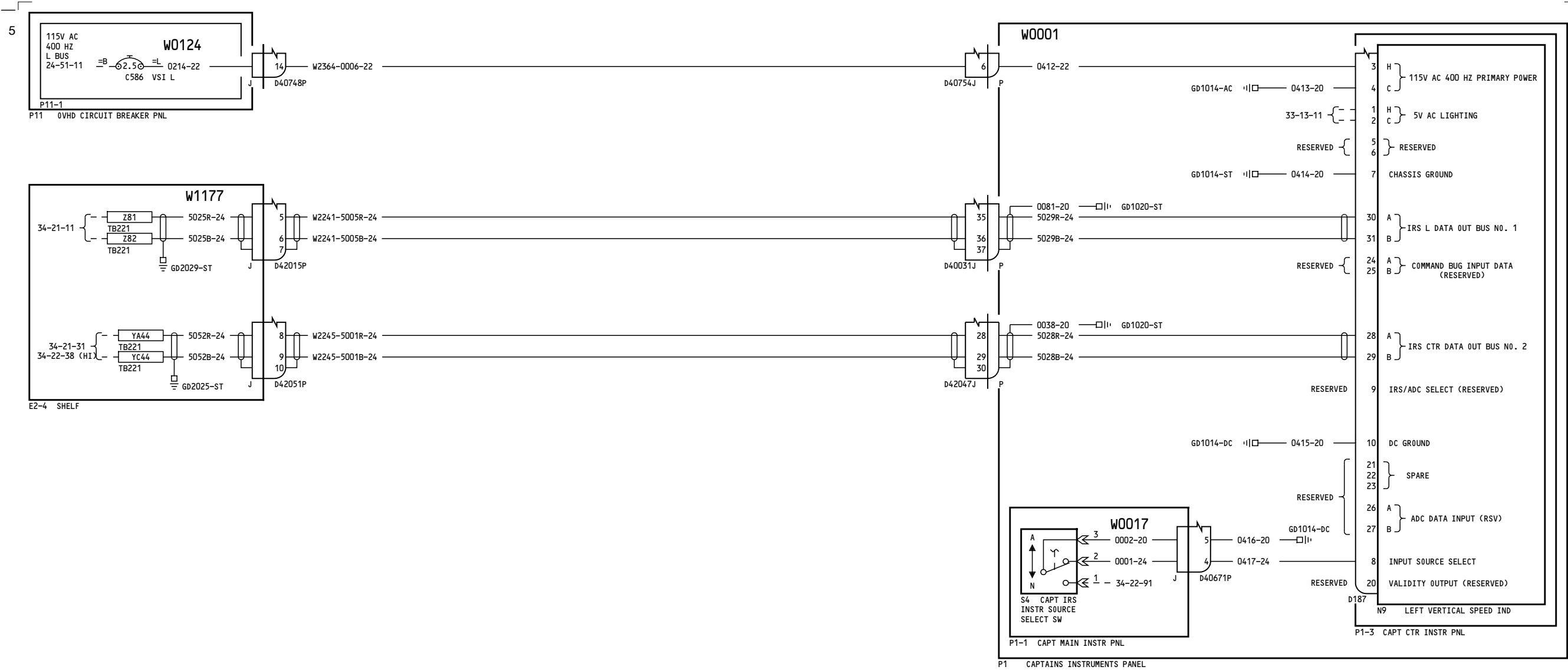
Jan 21/2005

D280N032

34-22-81

Page 1

Jan 21/2005



001-099

VERTICAL SPEED
INDICATOR - LEFT

34-22-82

Page 1

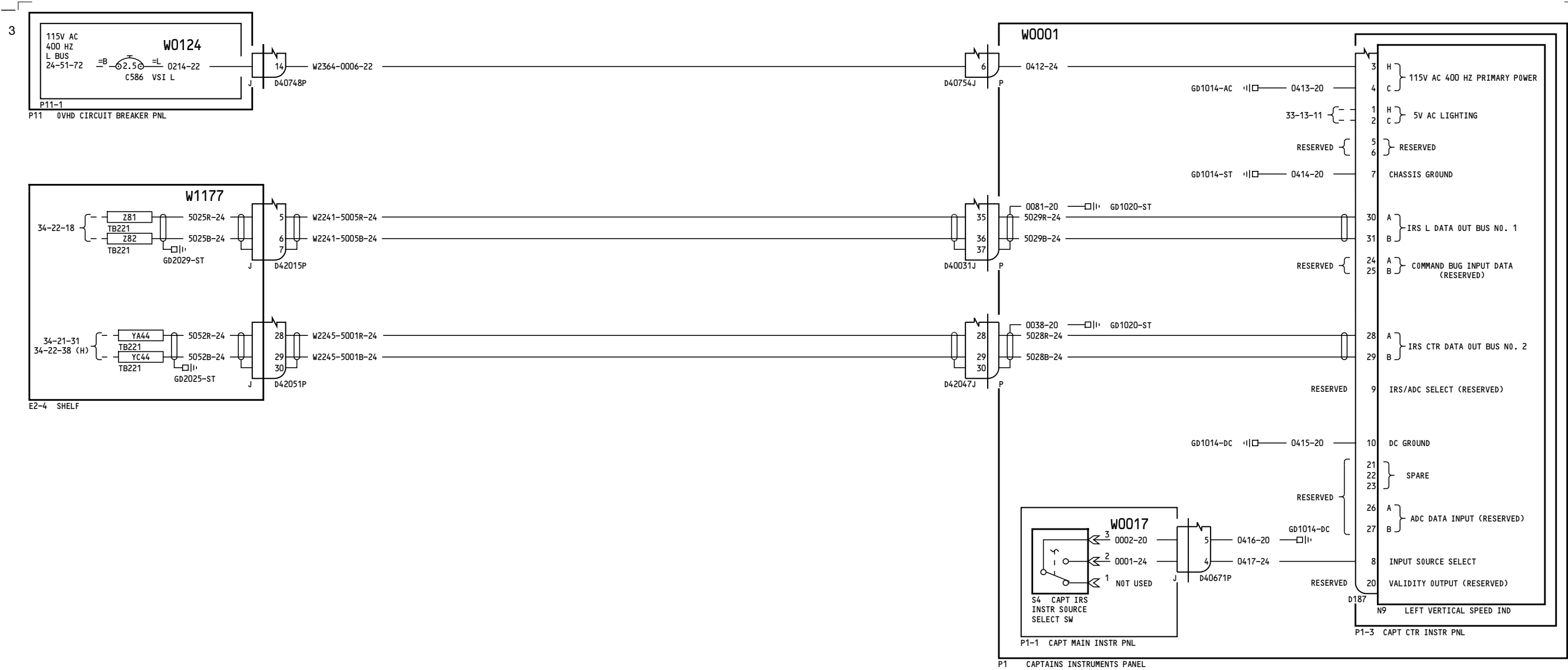
D280N032

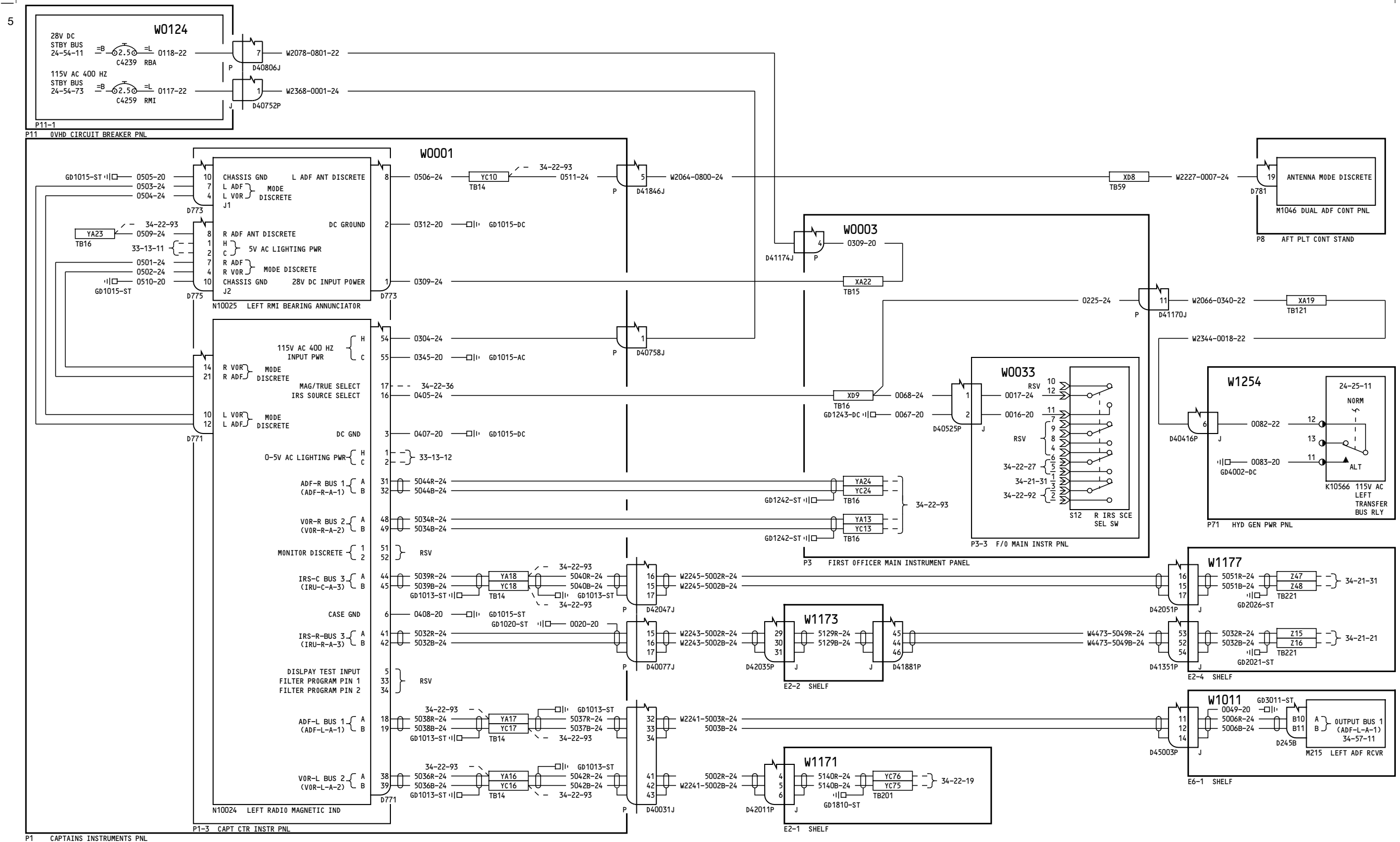
Jan 21/2005

34-22-82

Page 1

Jan 21/2005





115-199

RADIO MAGNETIC INDICATOR AND ANNUNCIATION - LEFT

D280N032

34-22-83

Page 1

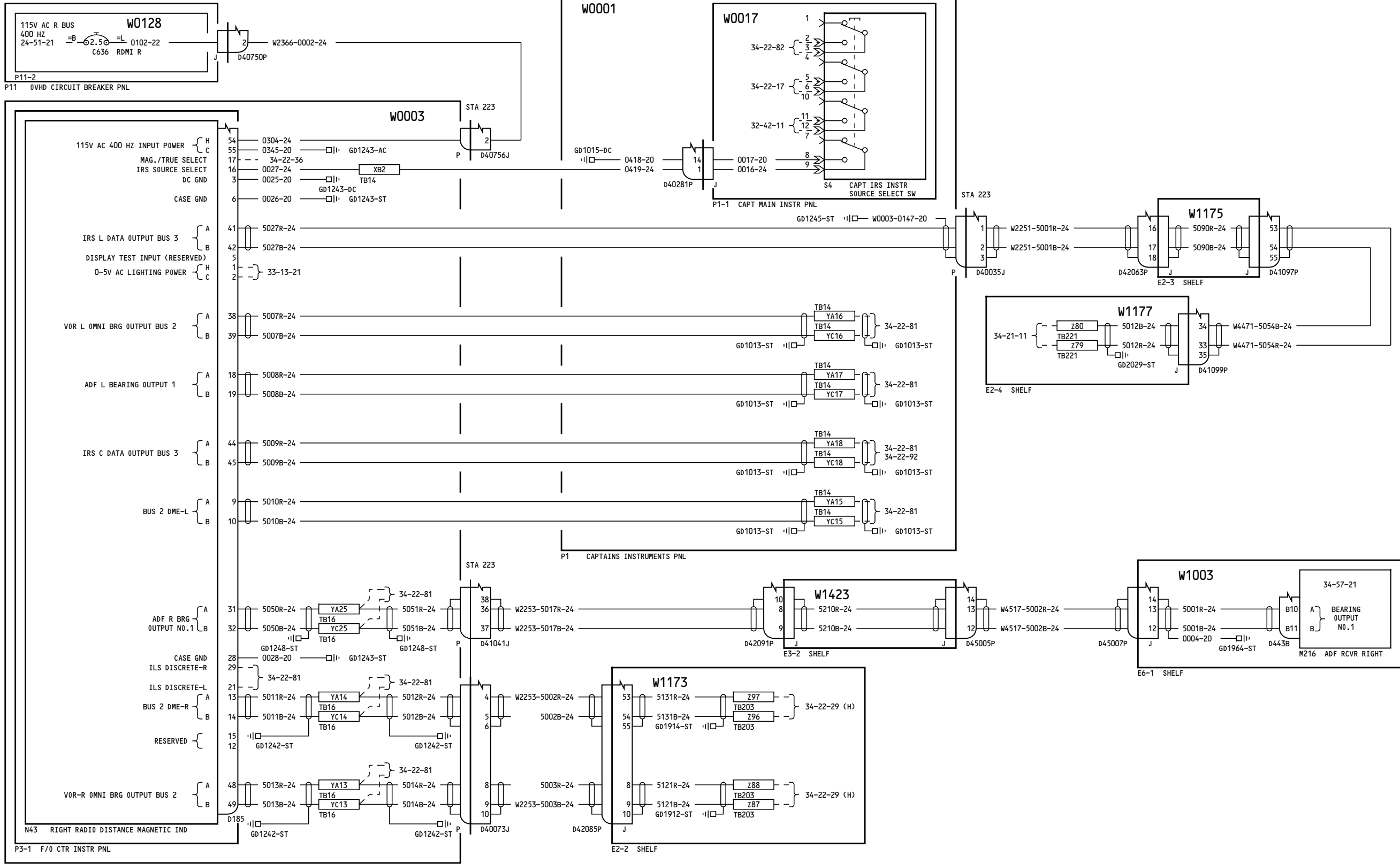
Jan 21/2005

34-22-83

Page 1

Jan 21/2005

24



001-099

RADIO DISTANCE MAGNETIC
INDICATOR - RIGHT

D280N032

34-22-91

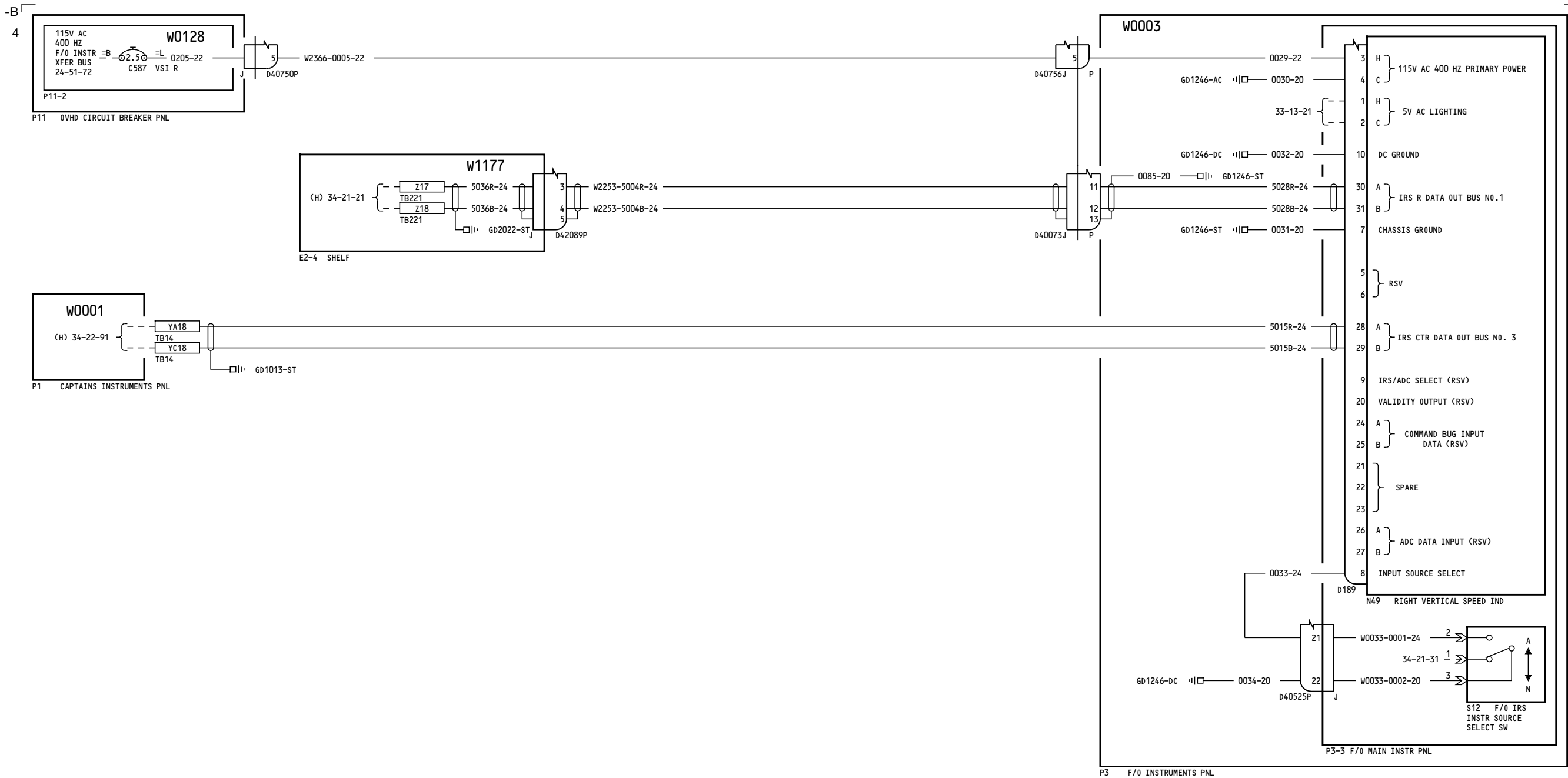
Page 1

Jan 21/2005

34-22-91

Page 1

Jan 21/2005



001-099

**VERTICAL SPEED
INDICATOR - RIGHT**

D280N032

34-22-92

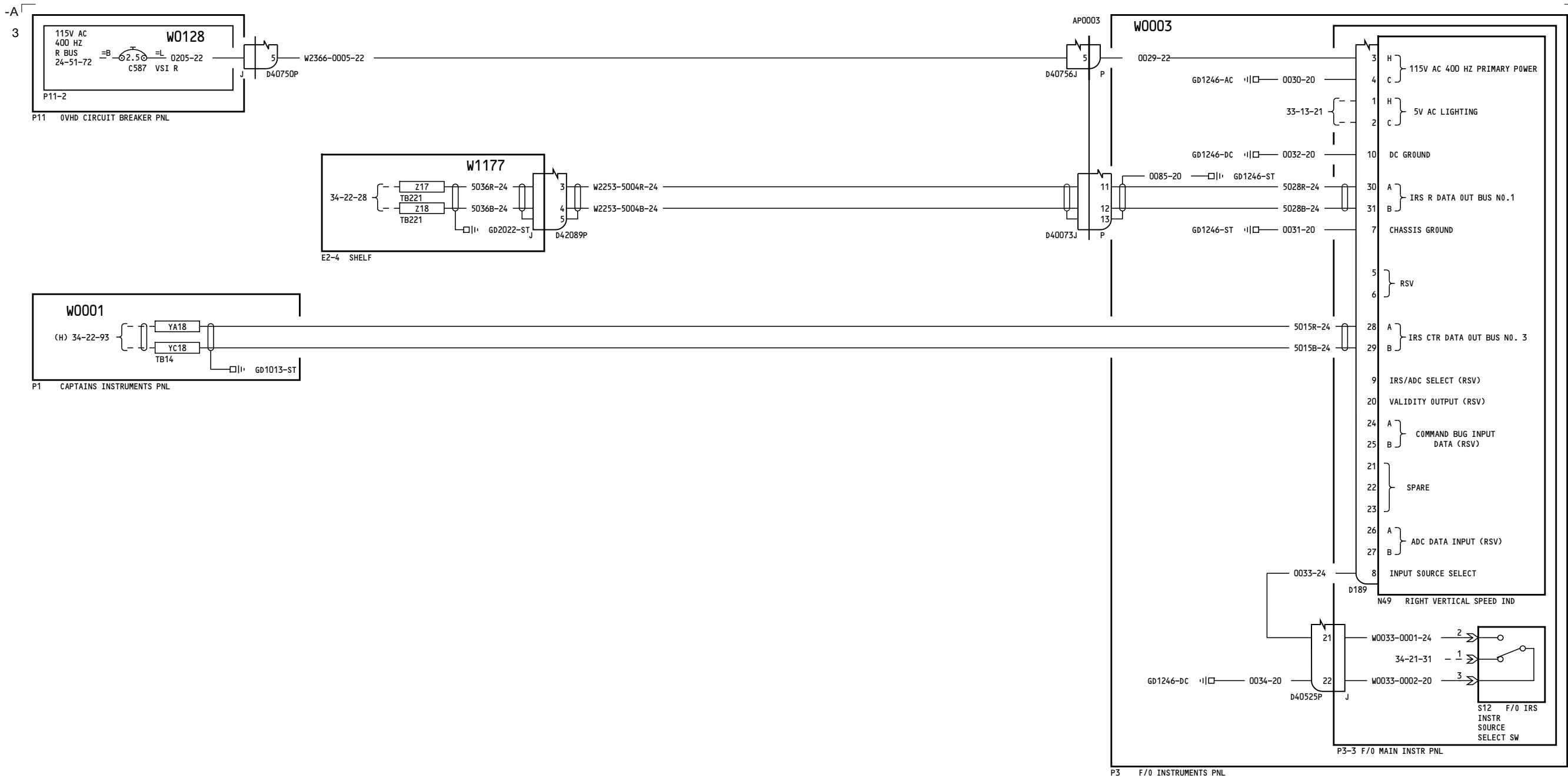
Page 1

Jan 21/2005

34-22-92

Page 1

Jan 21/2005



115-199

VERTICAL SPEED
INDICATOR - RIGHT

D280N032

34-22-92

Page 2

Dec 18/2007

34-22-92

Page 2

Dec 18/2007

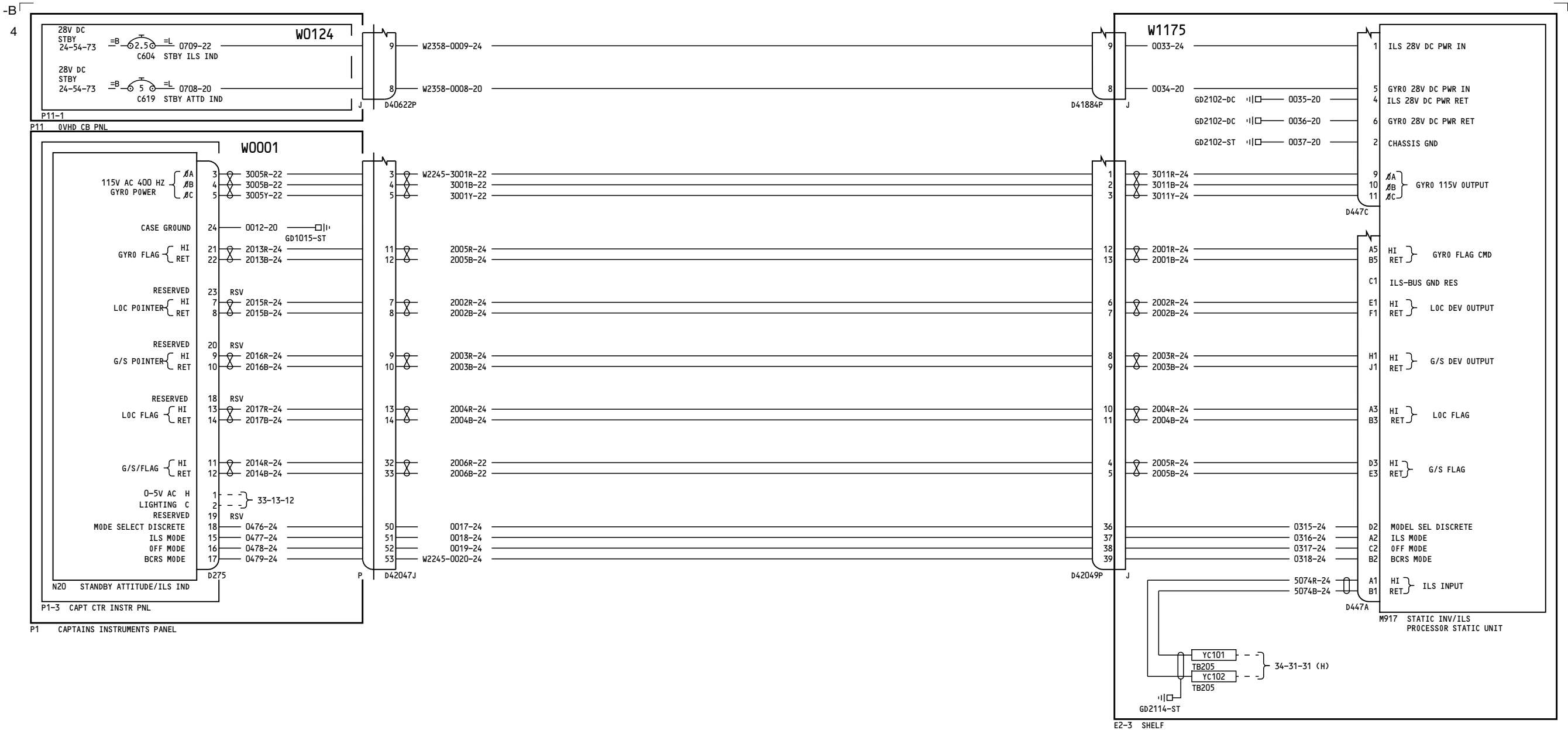


34-22-93

D280N032

34-22-93

Jan 21/2005



001-099

STANDBY ATTITUDE/ILS INDICATOR

D280N032

34-24-11

Page 1

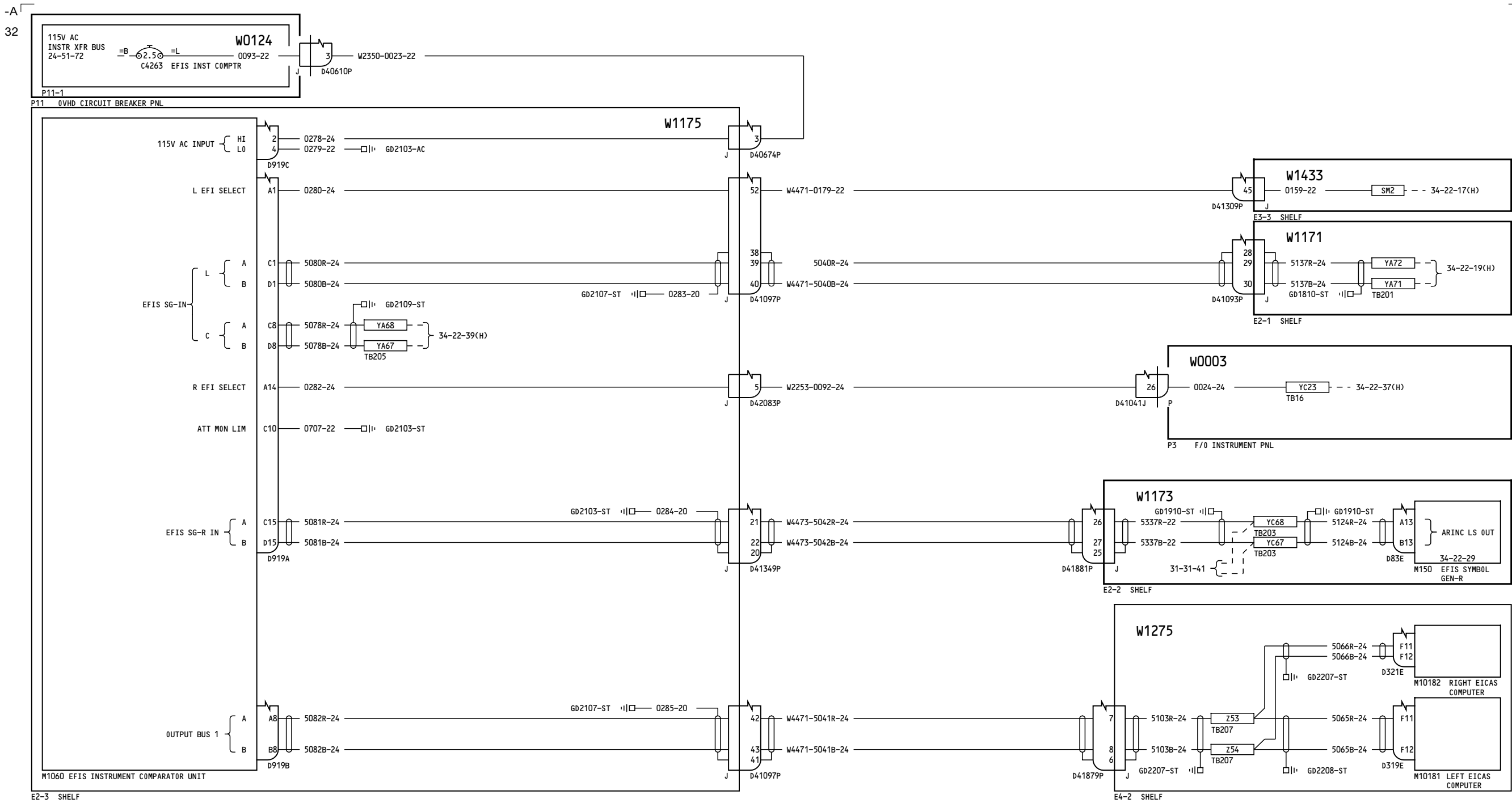
Jan 21/2005

34-24-11

Page 1

Jan 21/2005





010-011

INSTRUMENT COMPARATOR
UNIT

D280N032

34-25-11

Page 1.1

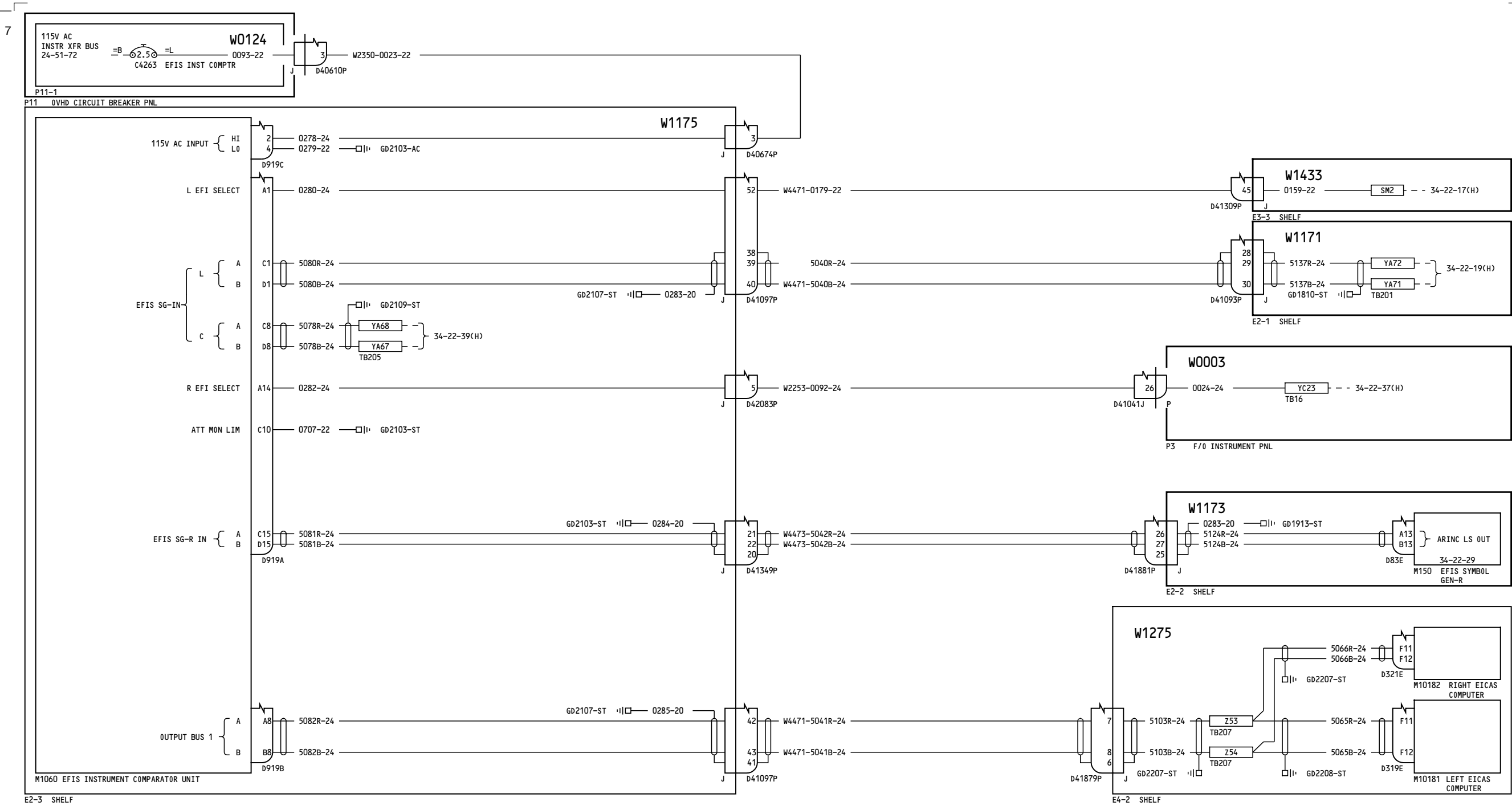
Jan 21/2005

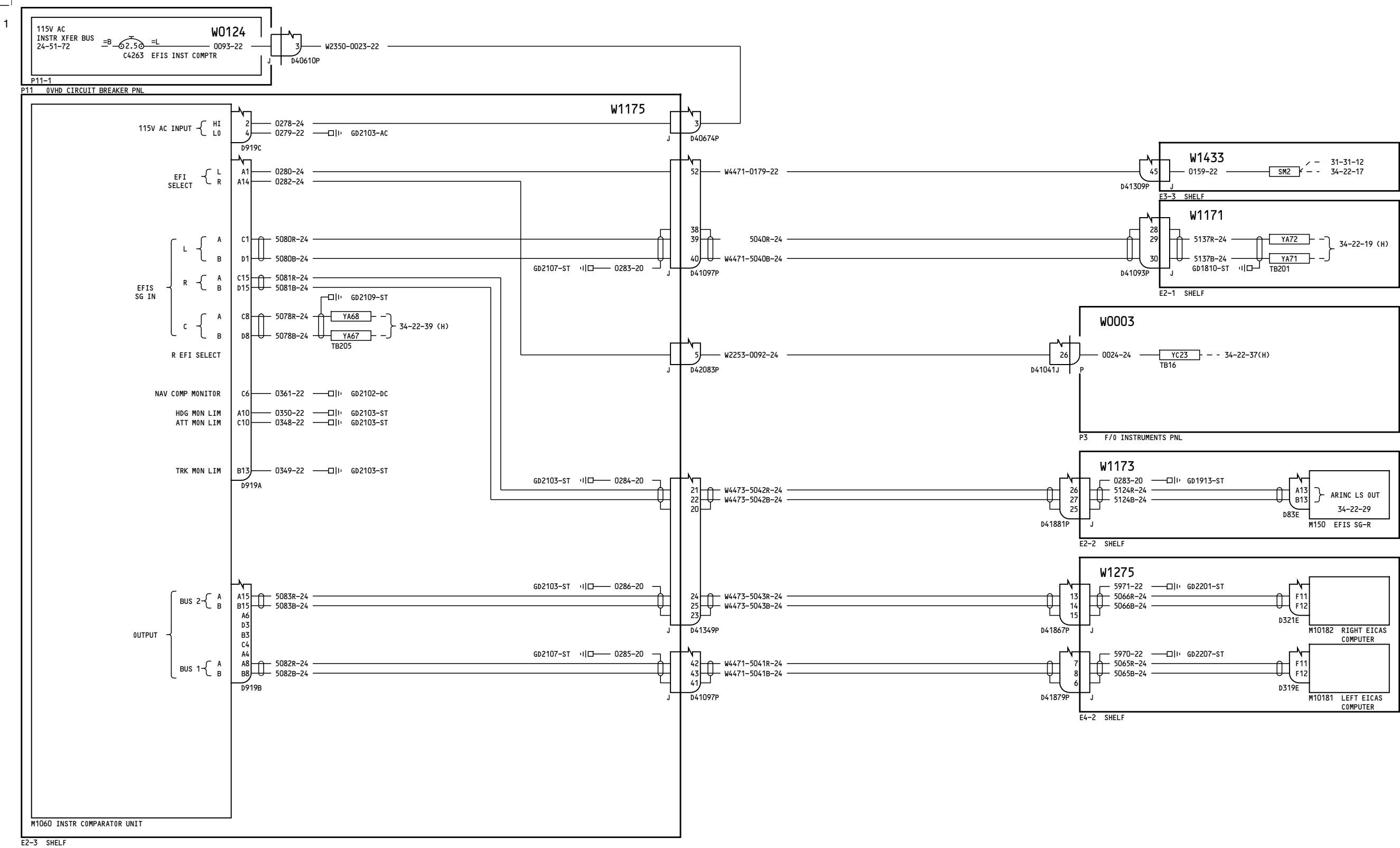
Incorporates
31-0094

34-25-11

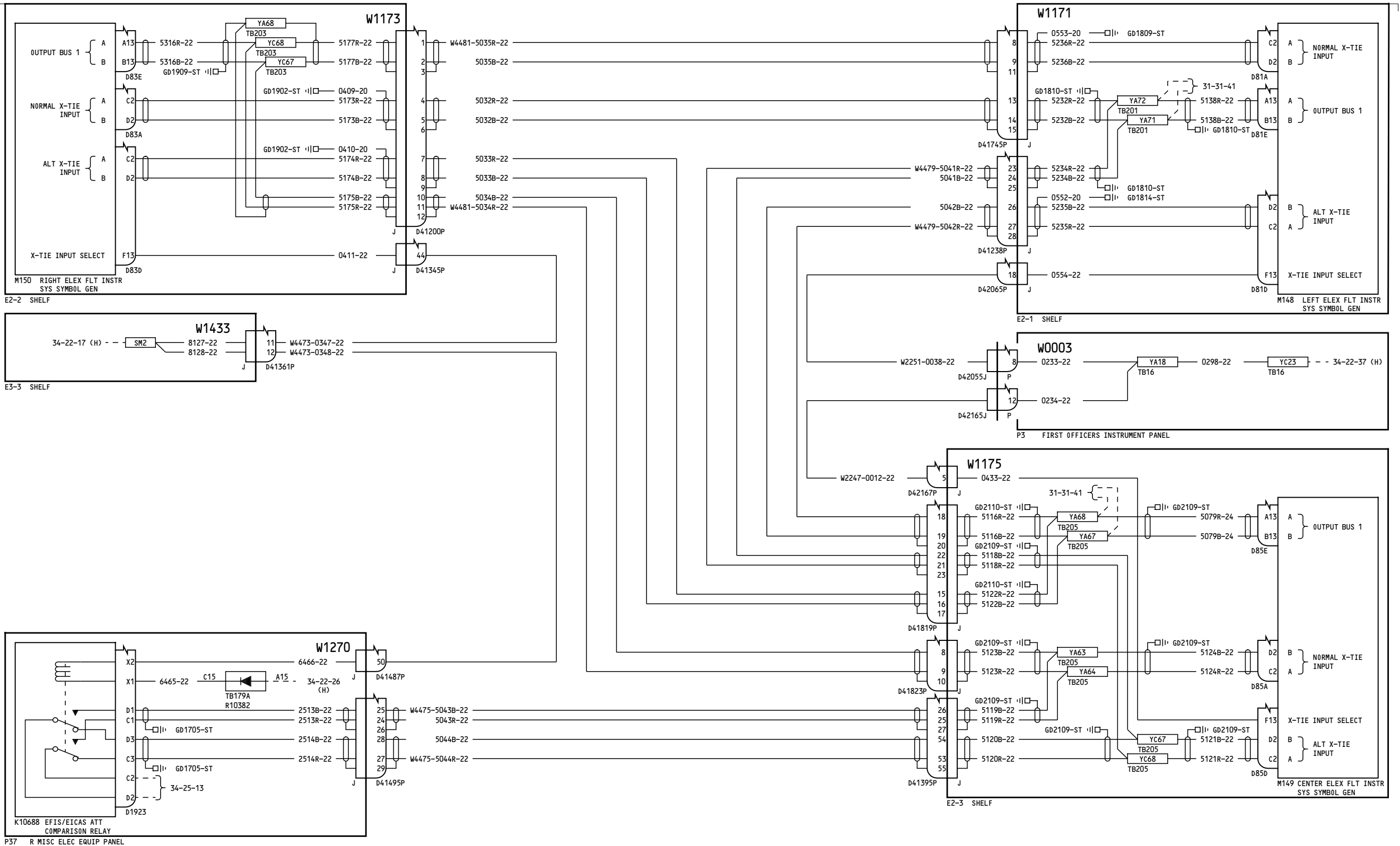
Page 1.1

Jan 21/2005





62



002

**EFIS ATTITUDE COMPARISON
INTERFACE - CROSS
TIE BUSES**

D280N032

34-25-12

Page 1.1

Jan 21/2005

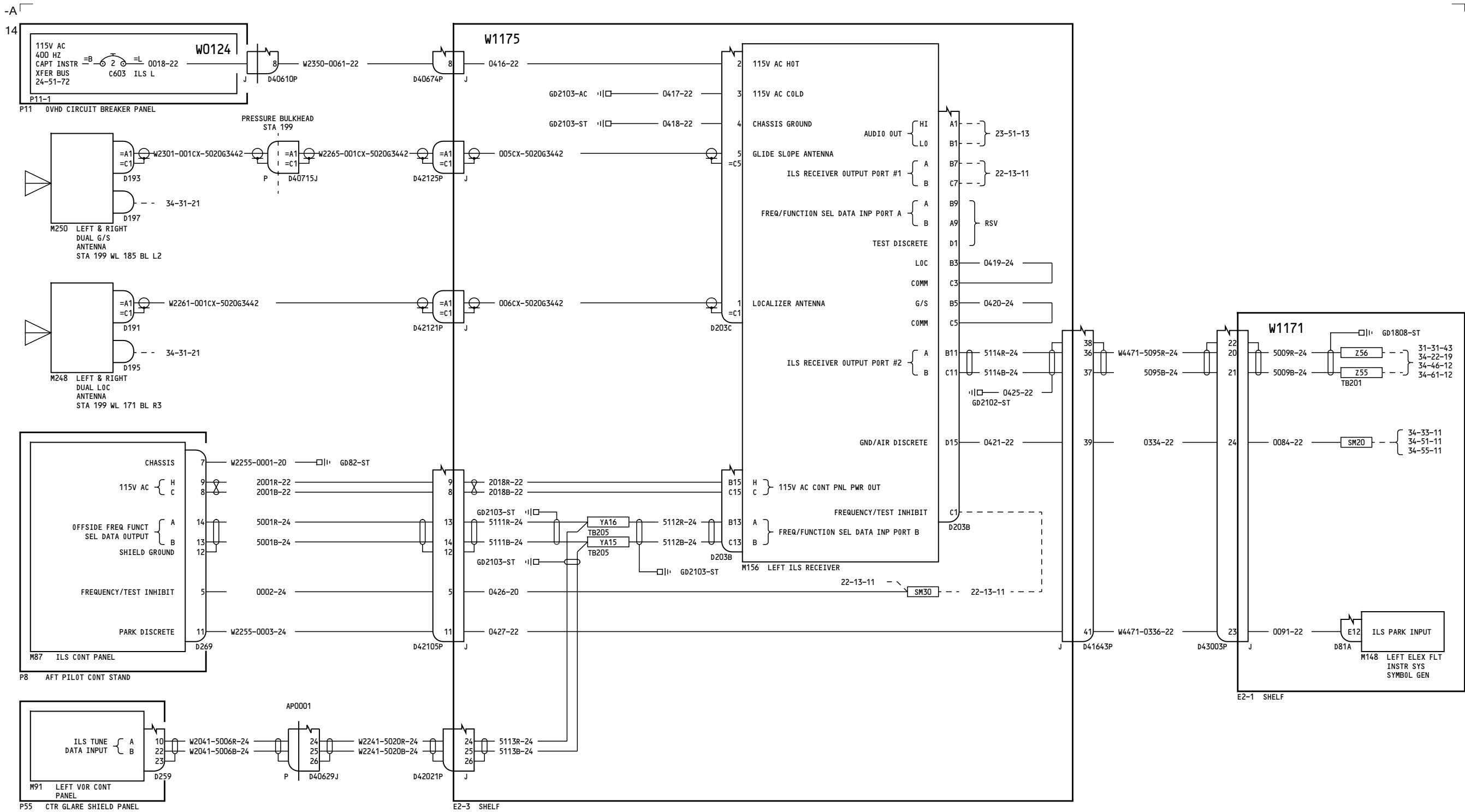
Incorporates
34-0200

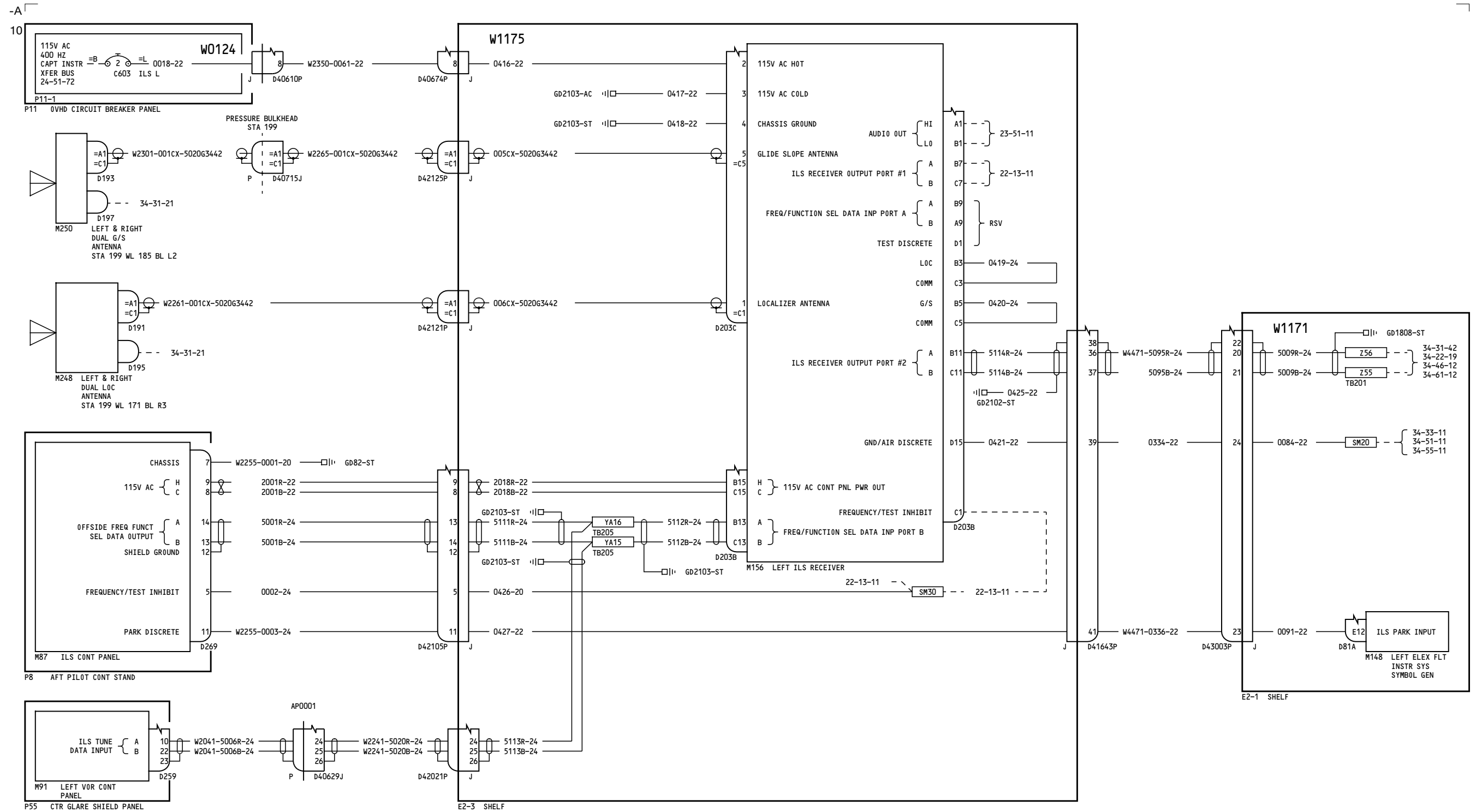
34-25-12

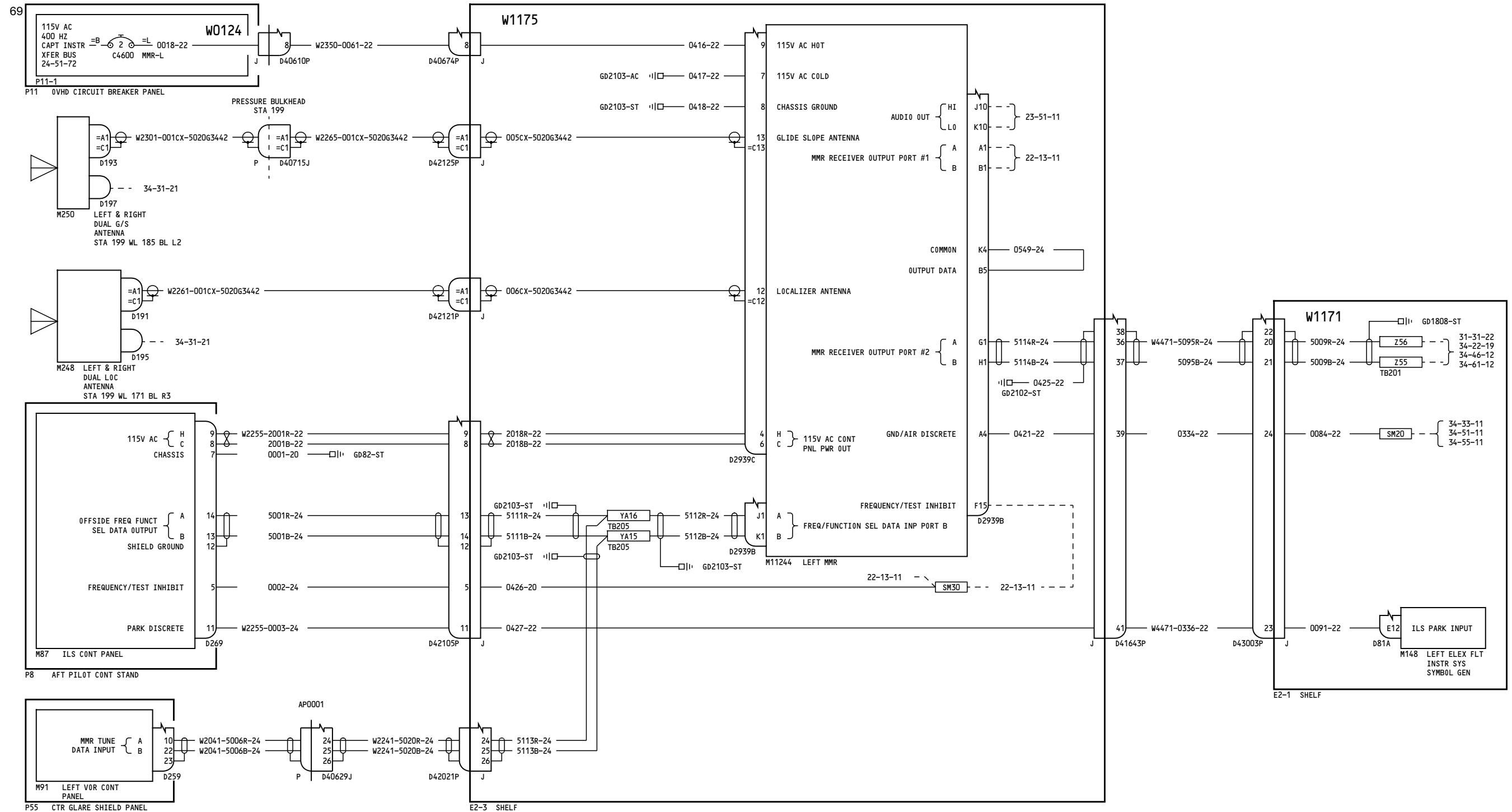
Page 1.1

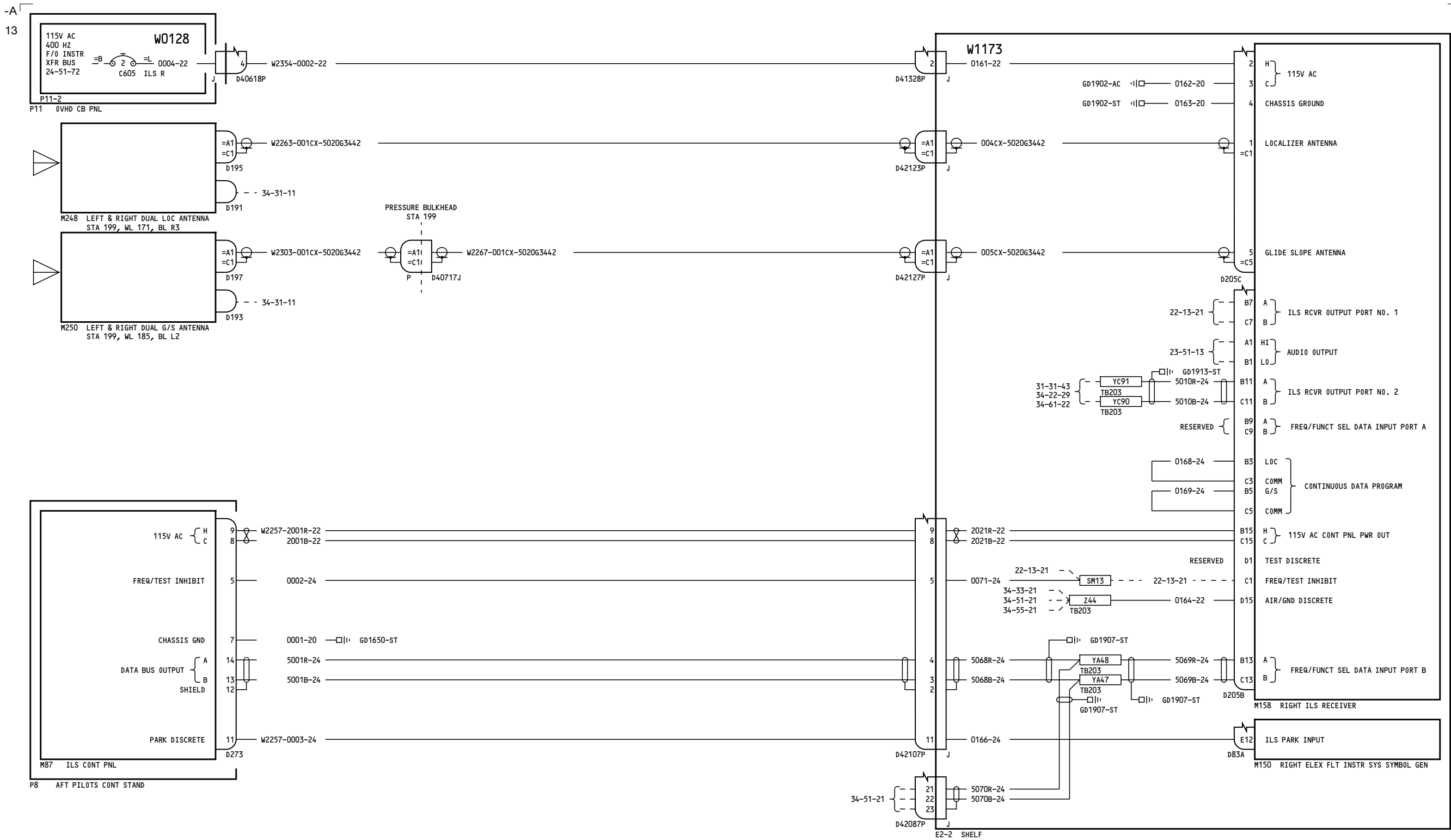
Jan 21/2005











001-099

ILS - RIGHT

34-31-21

Page 1

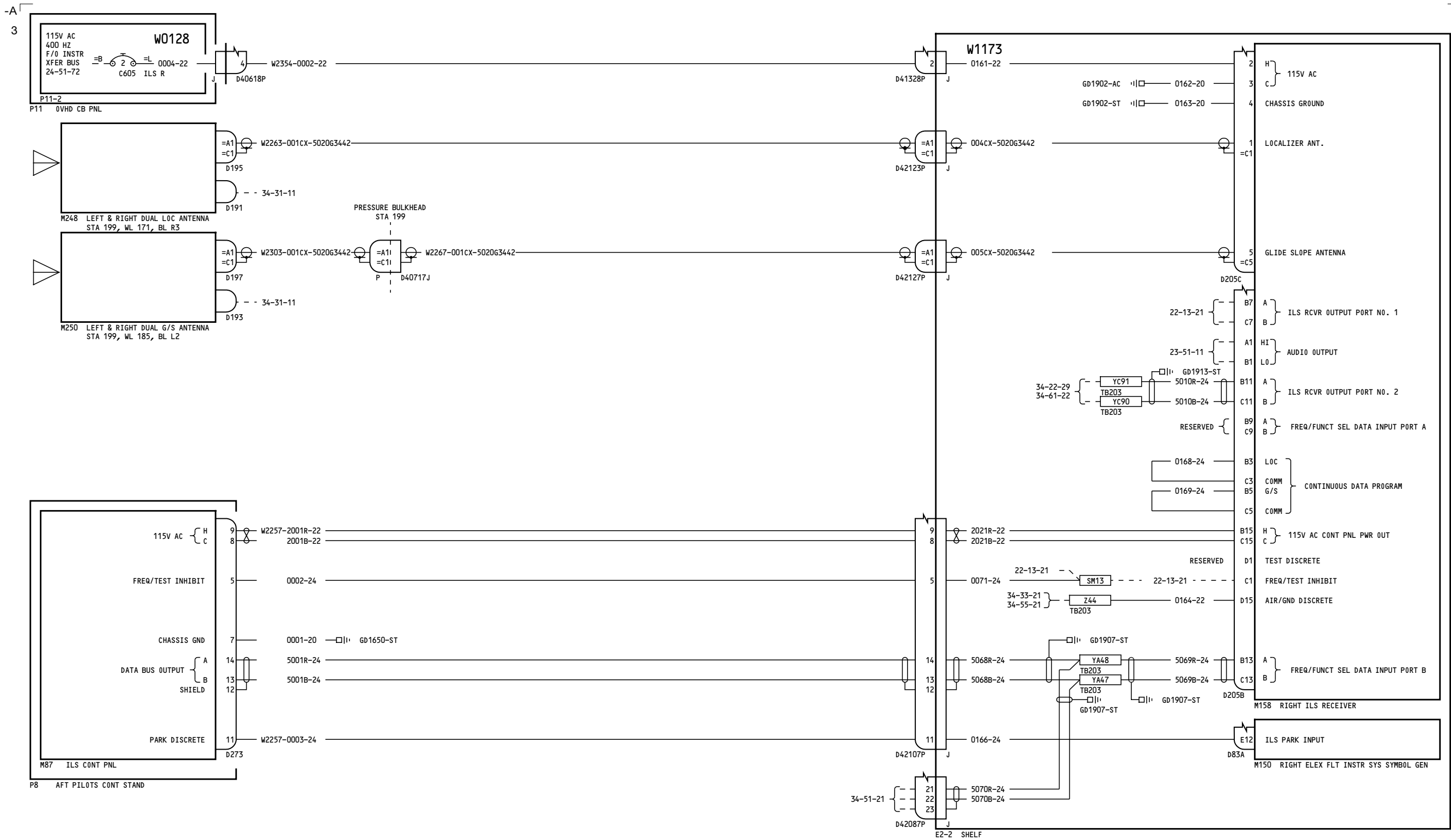
D280N032

May 17/2006

34-31-21

Page 1

May 17/2006





ILS - RIGHT

34-31-21

Page 2.1

Dec 18/2007

D280N032

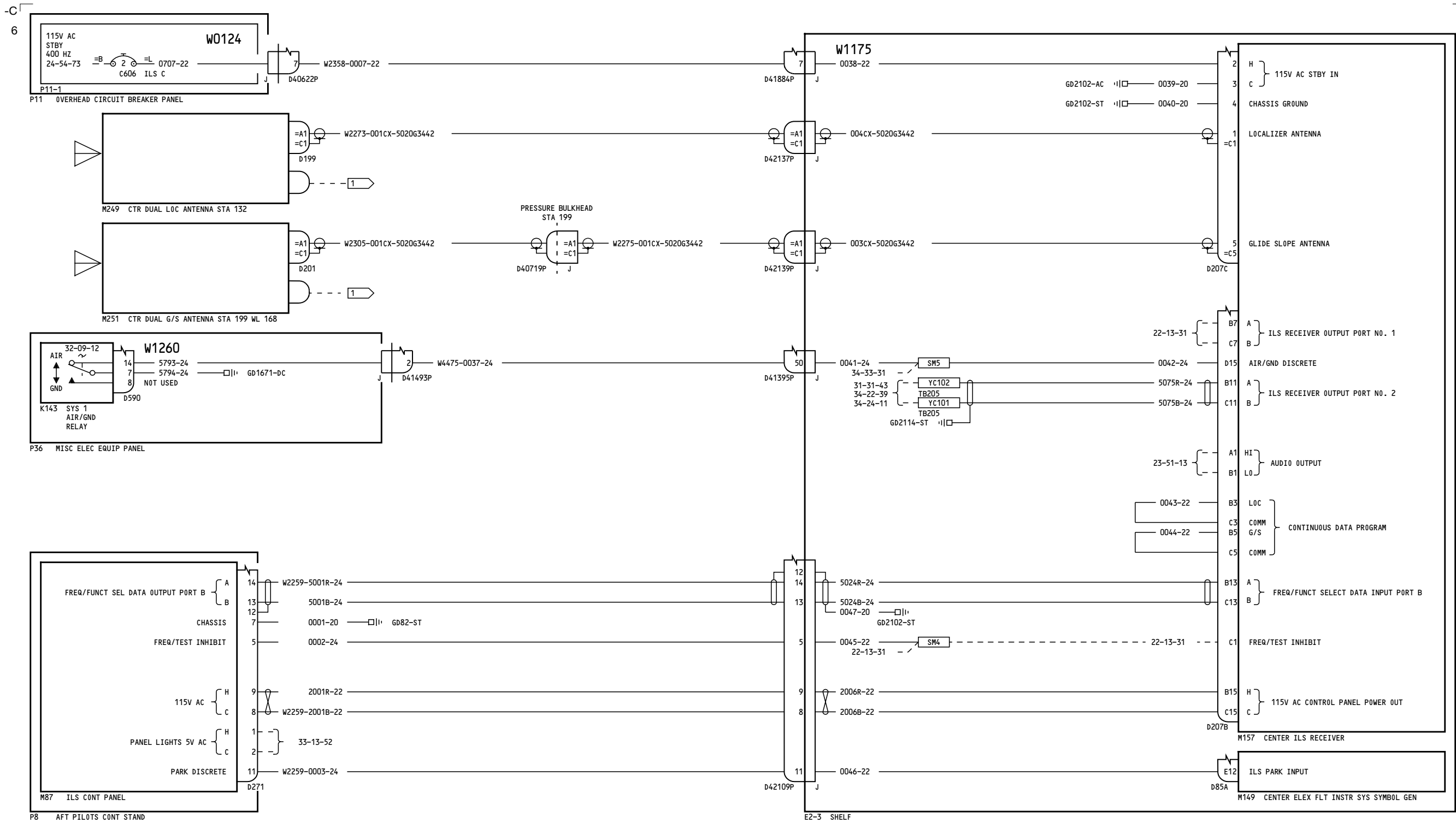
Incorporates
▶ 34-0400

34-31-21

Page 2.1

Dec 18/2007

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details



NOTES:

1 CAP SECOND INPUT, OPEN ENDED

001-099	ILS - CENTER
	D280N032

34-31-31

Page 1

May 17/2006

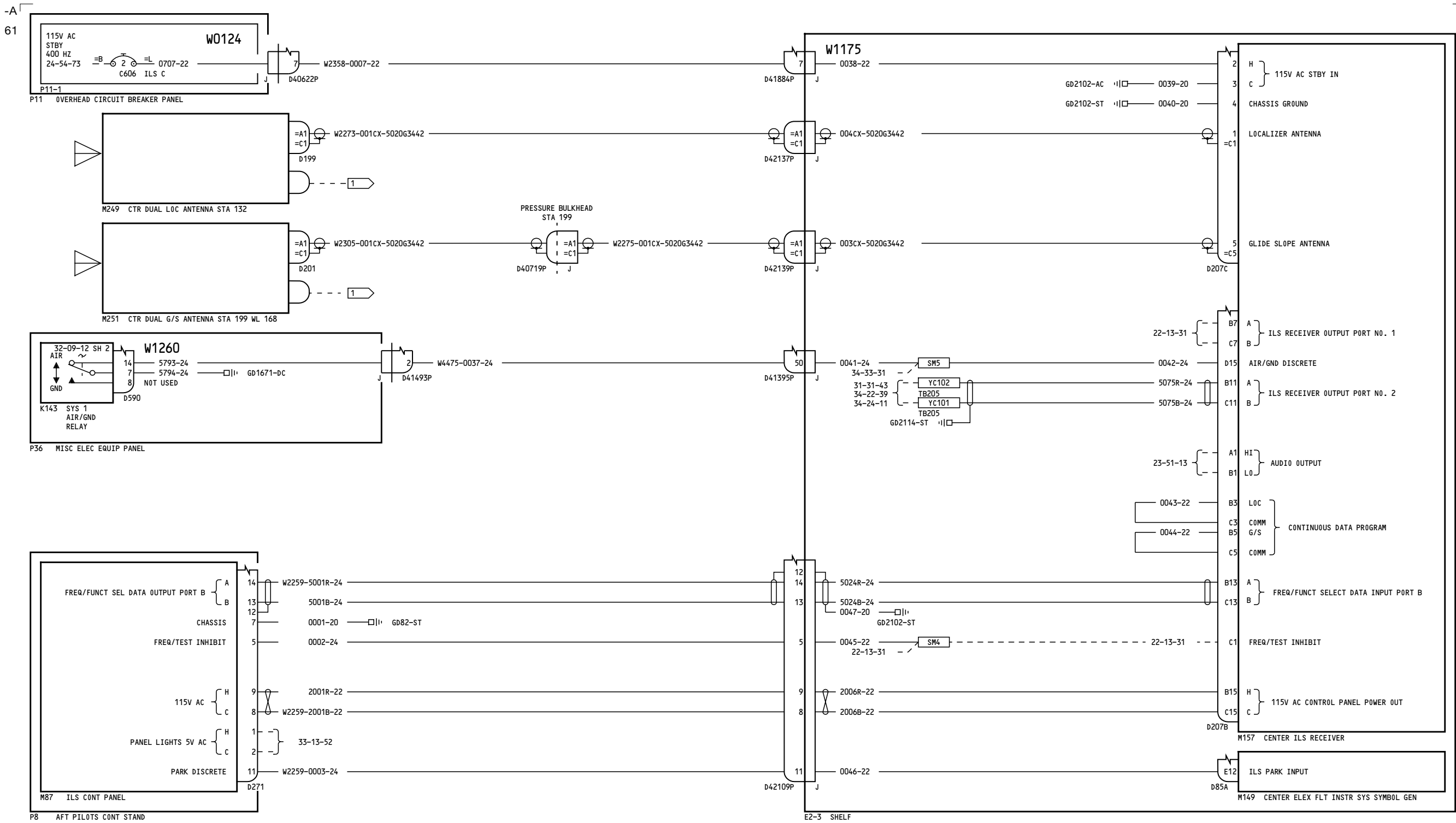
34-31-31

Page 1

May 17/2006



757-200 WIRING DIAGRAM MANUAL



NOTES:
1 CAP SECOND INPUT, OPEN ENDED

001-002	ILS - CENTER
	D280N032

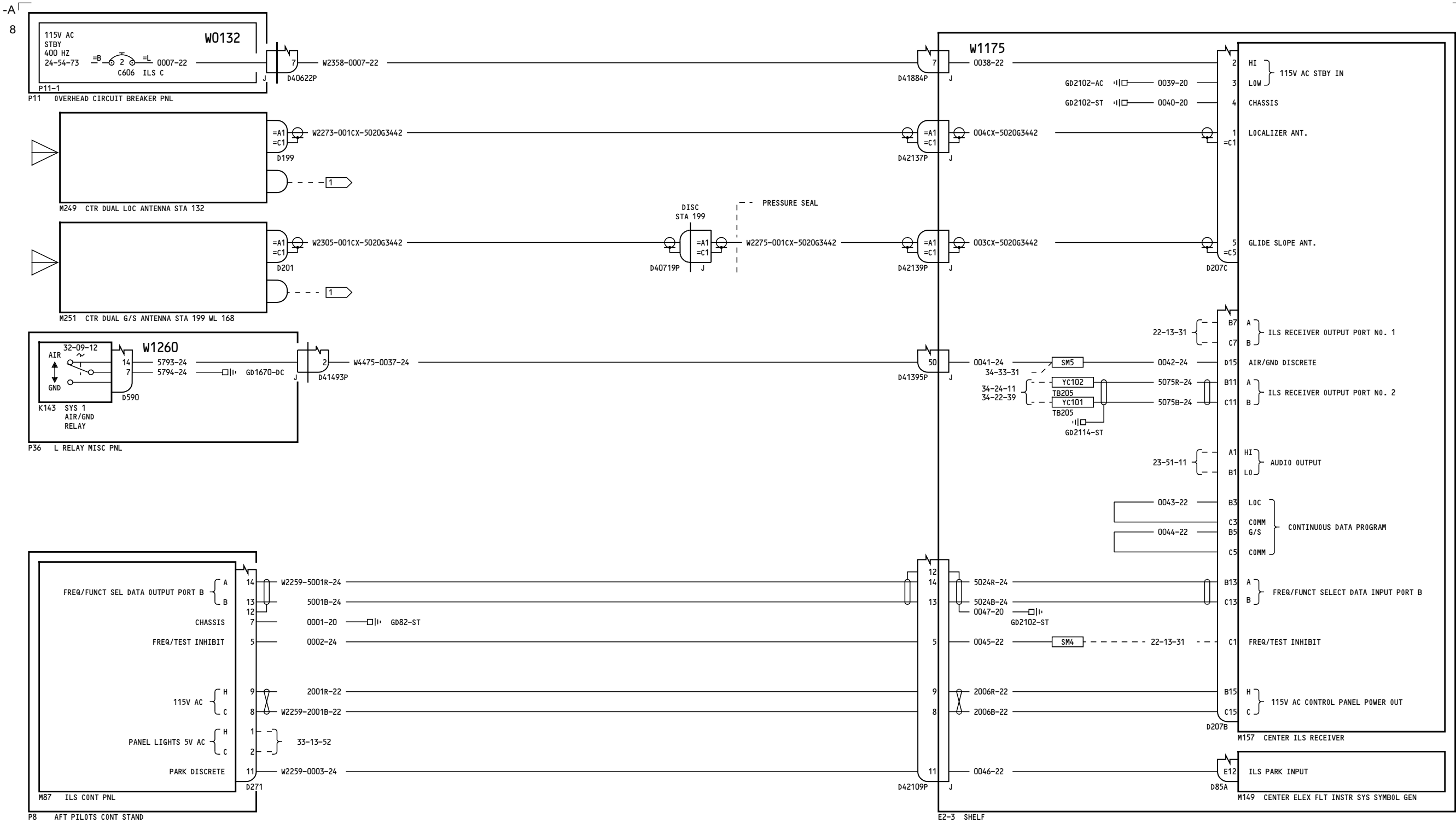
34-31-31

Page 1.1
May 17/2006

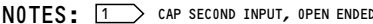
Incorporates
27A0130 R01

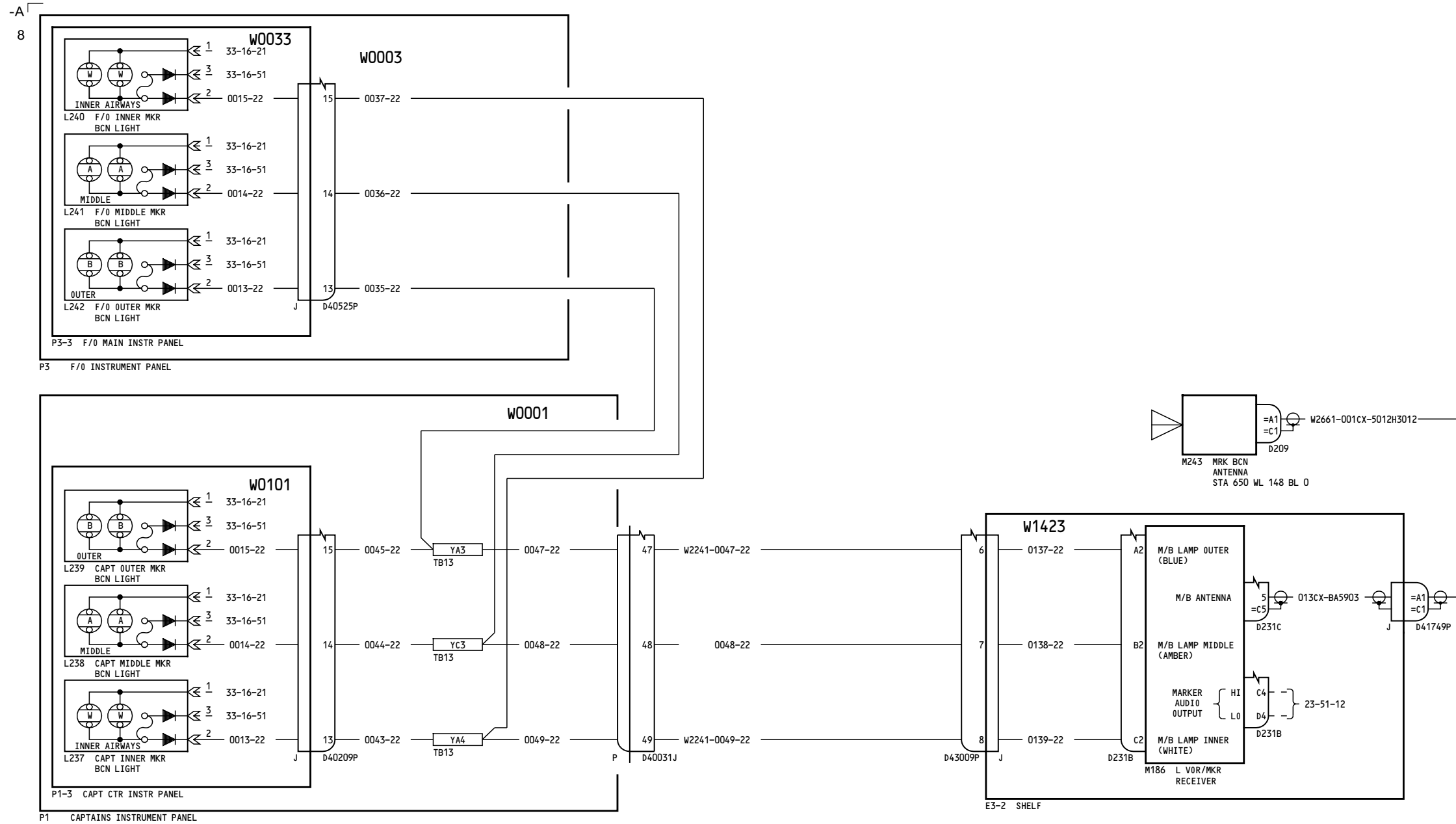
34-31-31

Page 1.1
May 17/2006



NOTES: 1 CAP SECOND INPUT, OPEN ENDED





001-099

MARKER BEACON

34-32-11

Page 1

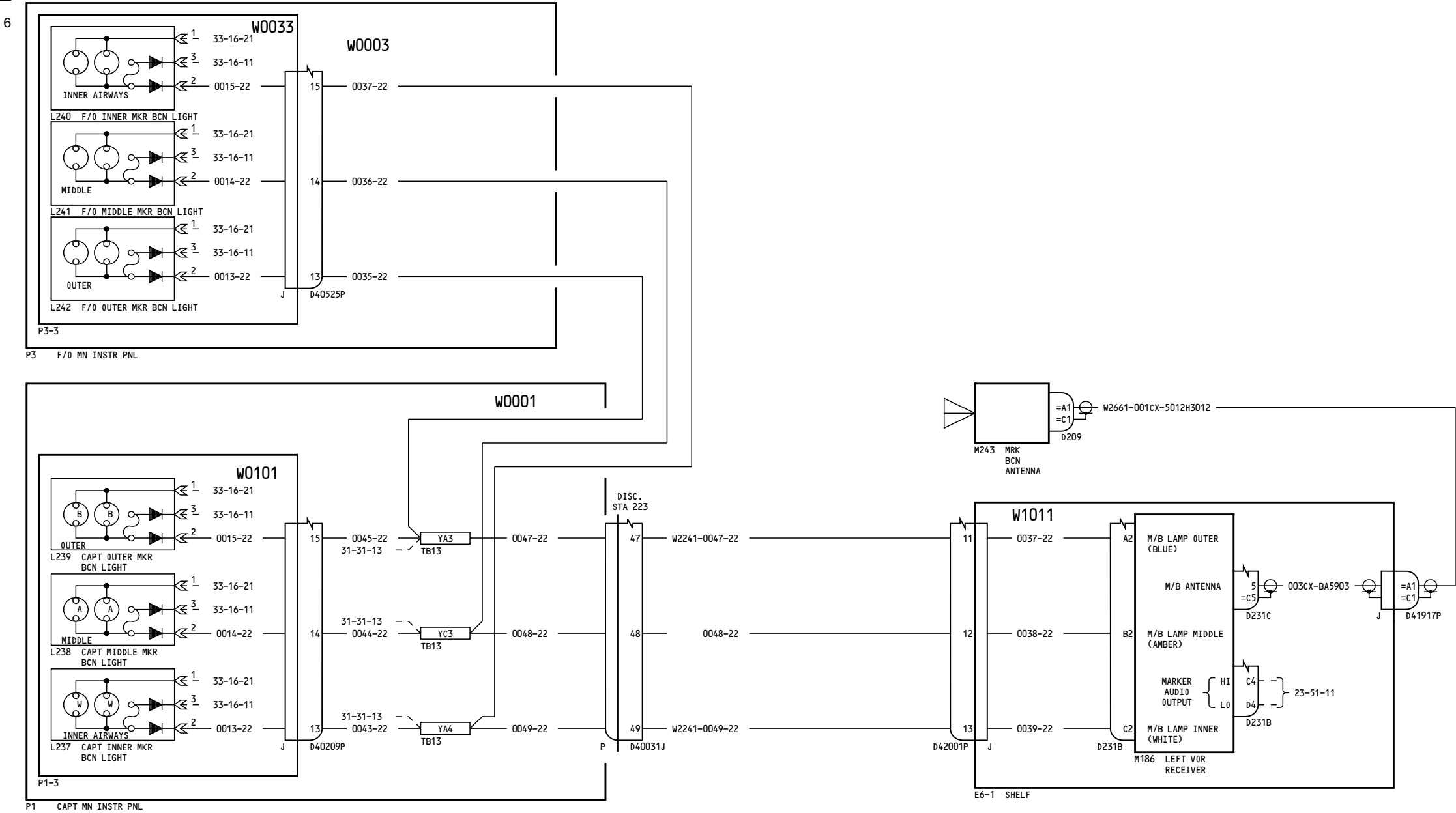
D280N032

Jan 21/2005

34-32-11

Page 1

Jan 21/2005





- 001-008, 010-099

RADIO ALTIMETER - LEFT

D280N032

34-33-11

Page 1

Dec 18/2007

34-33-11

Page 1

Dec 18/2007



- 002

RADIO ALTIMETER - LEFT

D280N032

34-33-11

Page 1.1

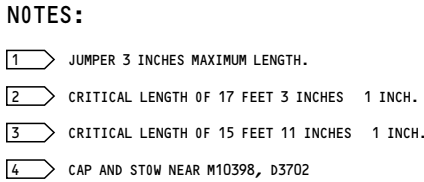
Dec 18/2007

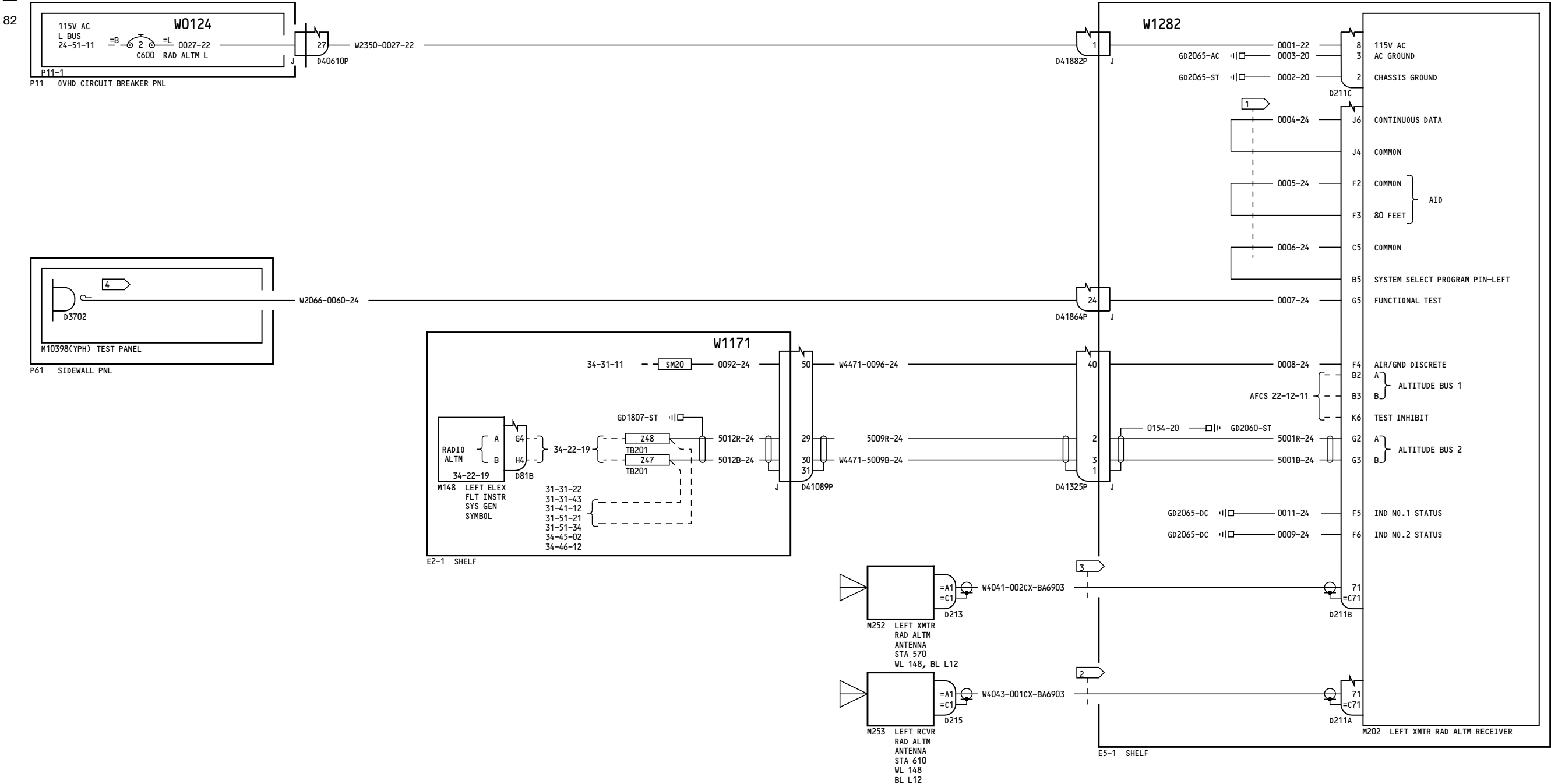
Incorporates
▶ 34-0200

34-33-11

Page 1.1

Dec 18/2007





NOTES:

- 1 JUMPER 3 INCHES MAXIMUM LENGTH.
- 2 CRITICAL LENGTH OF 17 FEET 3 INCHES PLUS OR MINUS 1 INCH.
- 3 CRITICAL LENGTH 15 FEET 11 INCHES PLUS OR MINUS 1 INCH.
- 4 CAP AND STOW NEAR M10398 D3702.

115-199	RADIO ALTIMETER - LEFT
	D280N032

34-33-11

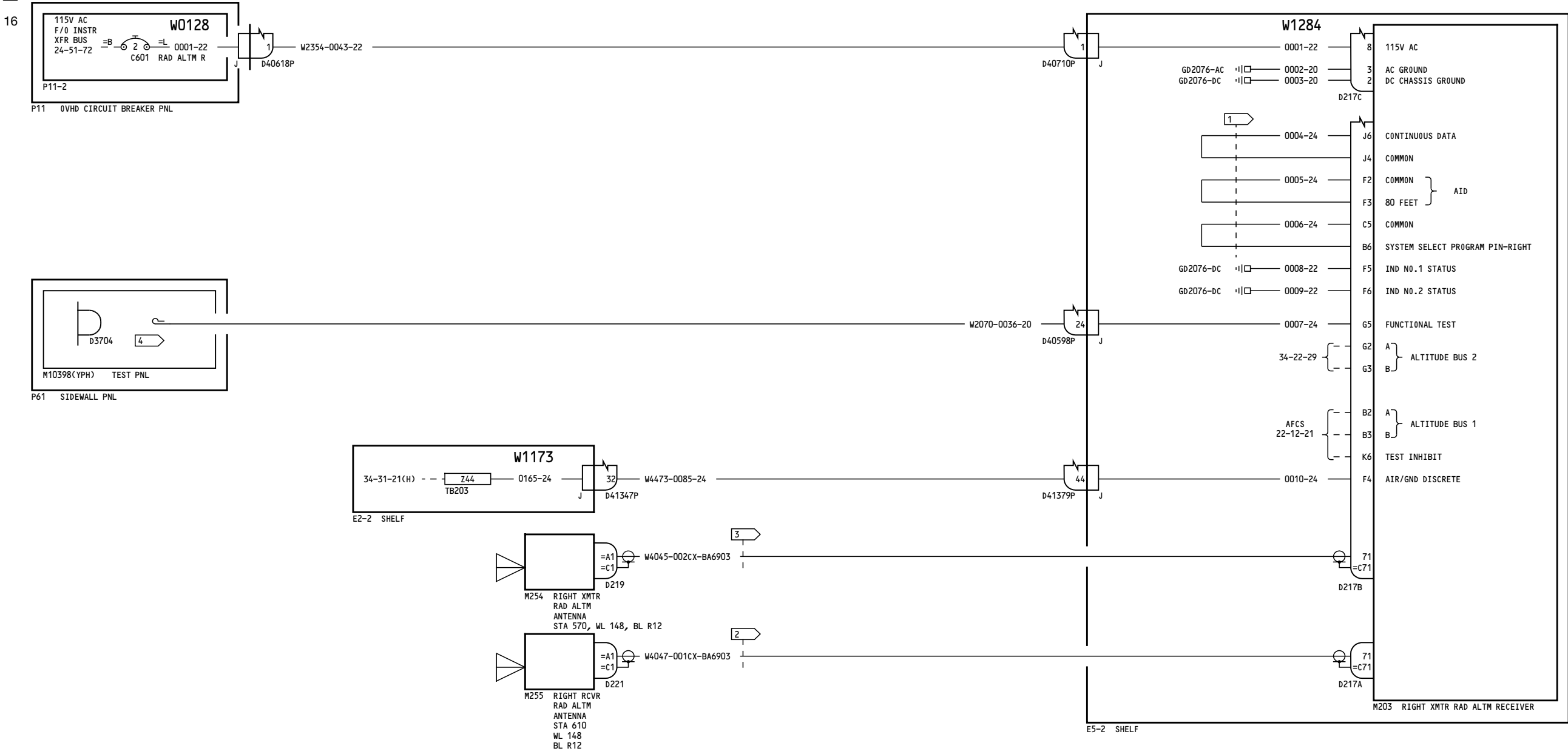
Page 3

Dec 18/2007

34-33-11

Page 3

Dec 18/2007



NOTES:

- 1 JUMPER 3 INCHES MAXIMUM LENGTH
- 2 CRITICAL LENGTH OF 17 FEET 3 INCHES \pm 1 INCH
- 3 CRITICAL LENGTH 15 FEET 11 INCHES \pm 1 INCH
- 4 CAP AND STOW NEAR M10398, D3704

001-099	RADIO ALTIMETER - RIGHT
	D280N032

34-33-21

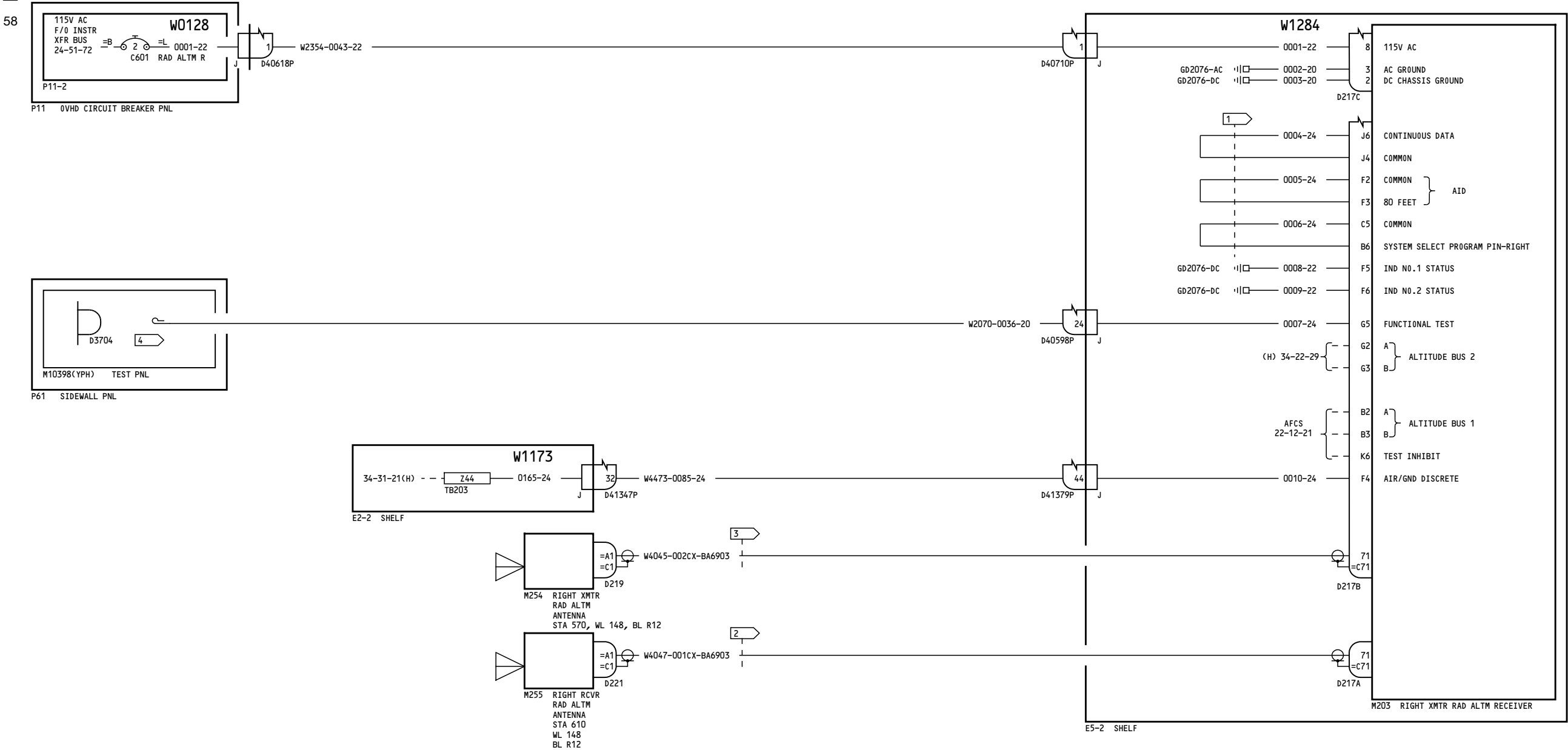
Page 1

Jan 21/2005

34-33-21

Page 1

Jan 21/2005



NOTES:

- 1 JUMPER 3 INCHES MAXIMUM LENGTH
- 2 CRITICAL LENGTH OF 17 FEET 3 INCHES \pm 1 INCH
- 3 CRITICAL LENGTH 15 FEET 11 INCHES \pm 1 INCH
- 4 CAP AND STOW NEAR M10398, D3704

002


RADIO ALTIMETER - RIGHT

D280N032

34-33-21

Page 1.1

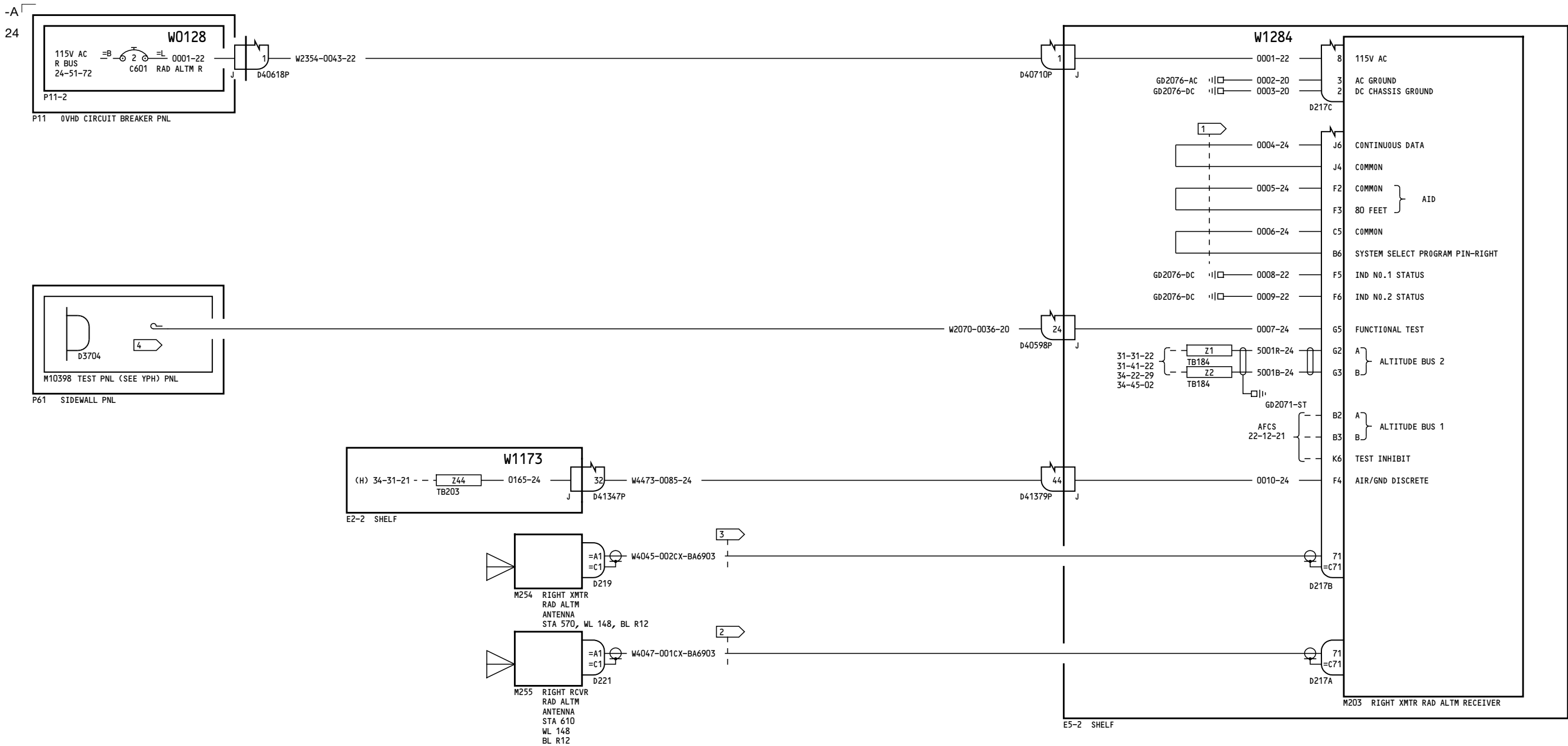
Jan 21/2005

 Incorporates
34-0200

34-33-21

Page 1.1

Jan 21/2005



NOTES:

- 1 JUMPER 3 INCHES MAXIMUM LENGTH.
- 2 CRITICAL LENGTH OF 17 FEET 3 INCHES PLUS OR MINUS 1 INCH.
- 3 CRITICAL LENGTH 15 FEET 11 INCHES PLUS OR MINUS 1 INCH.
- 4 CAP AND STOW NEAR D3704 IN M10398

115-199	RADIO ALTIMETER - RIGHT
	D280N032

34-33-21

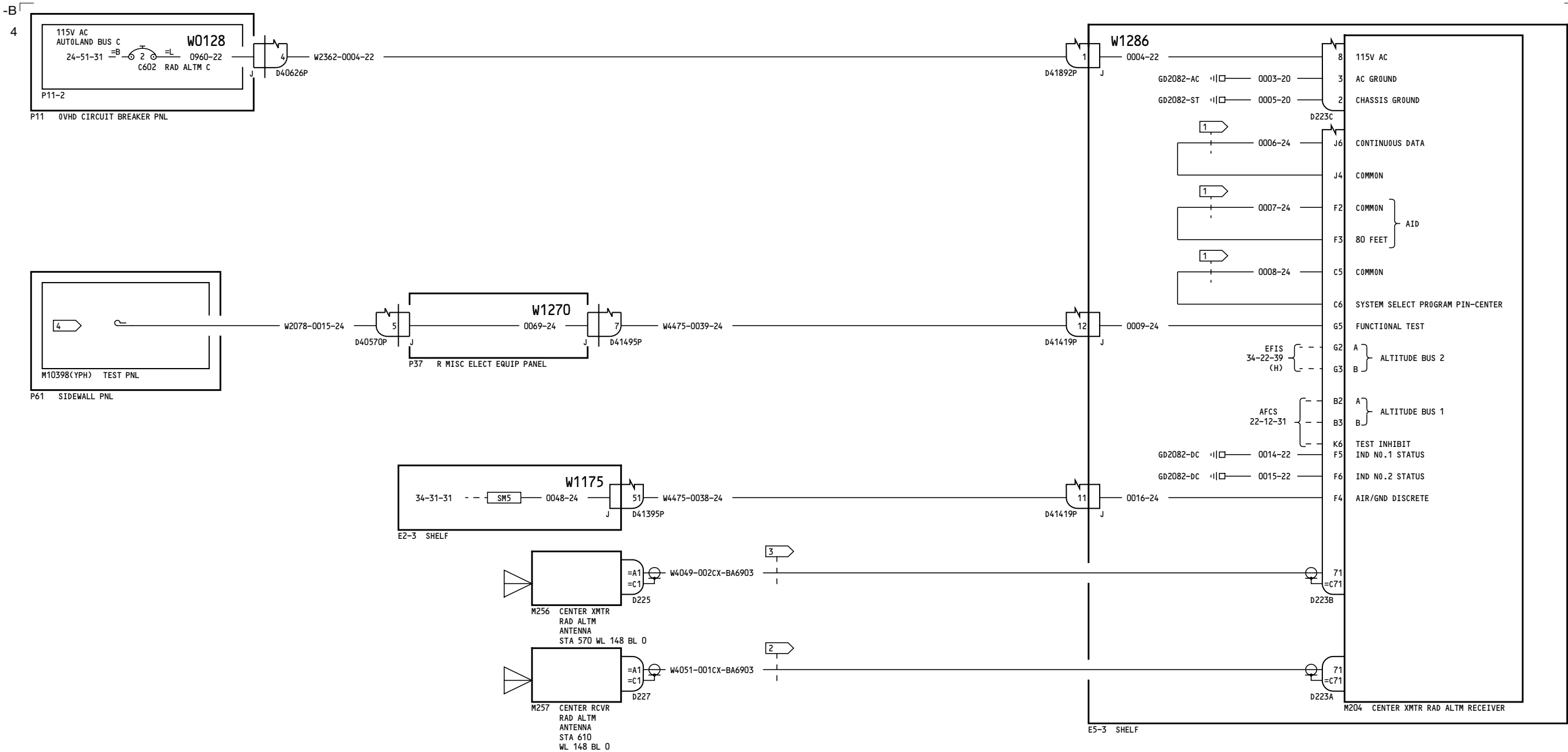
Page 2

Jan 21/2005

34-33-21

Page 2

Jan 21/2005



- NOTES:
- 1 JUMPER 3 INCHES MAXIMUM LENGTH.
 - 2 CRITICAL LENGTH OF 17 FEET 3 INCHES \pm 1 INCH.
 - 3 CRITICAL LENGTH OF 15 FEET 11 INCHES \pm 1 INCH.
 - 4 CAP AND STOW NEAR D3706

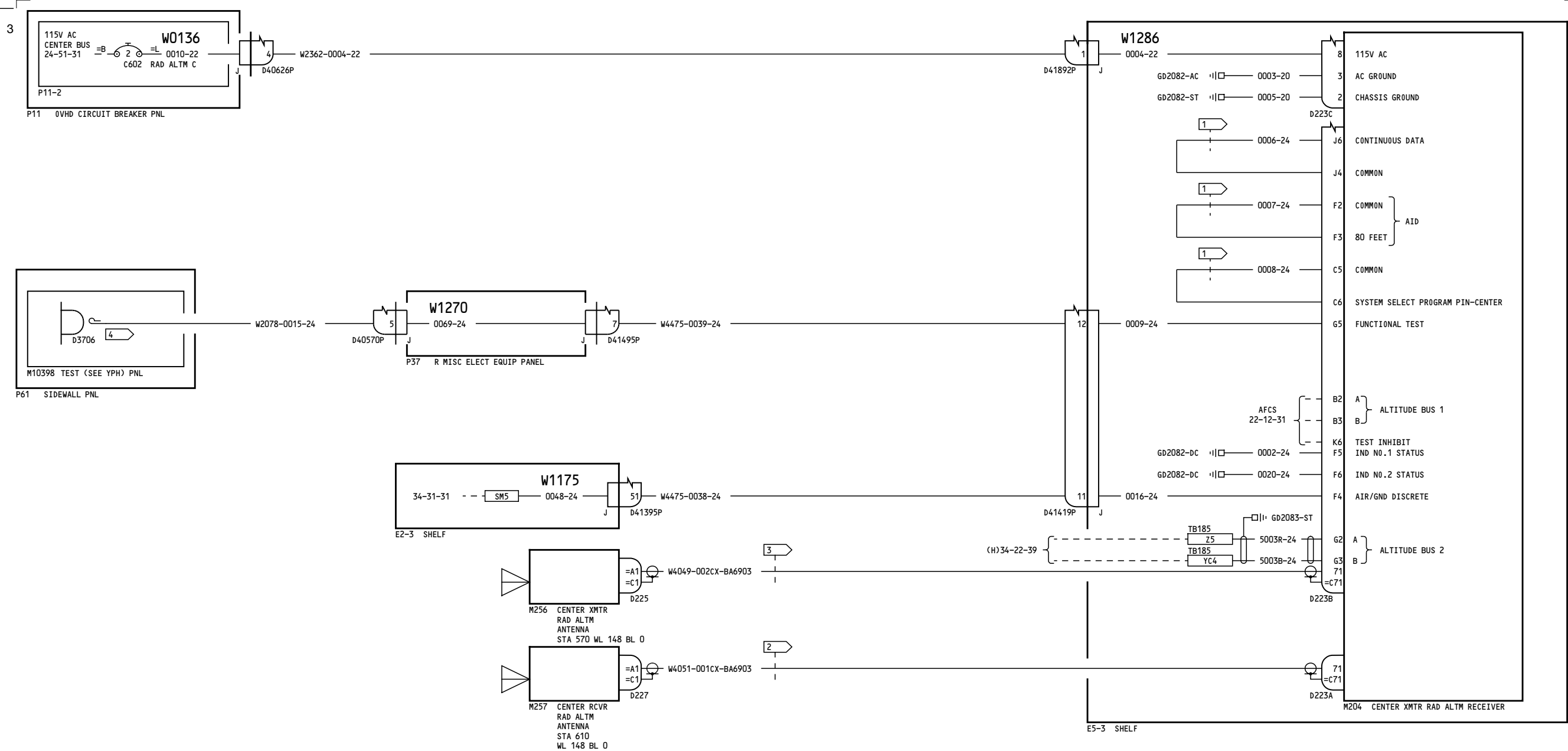
001-099	RADIO ALTIMETER - CENTER
	D280N032

34-33-31

Page 1
Jan 21/2005

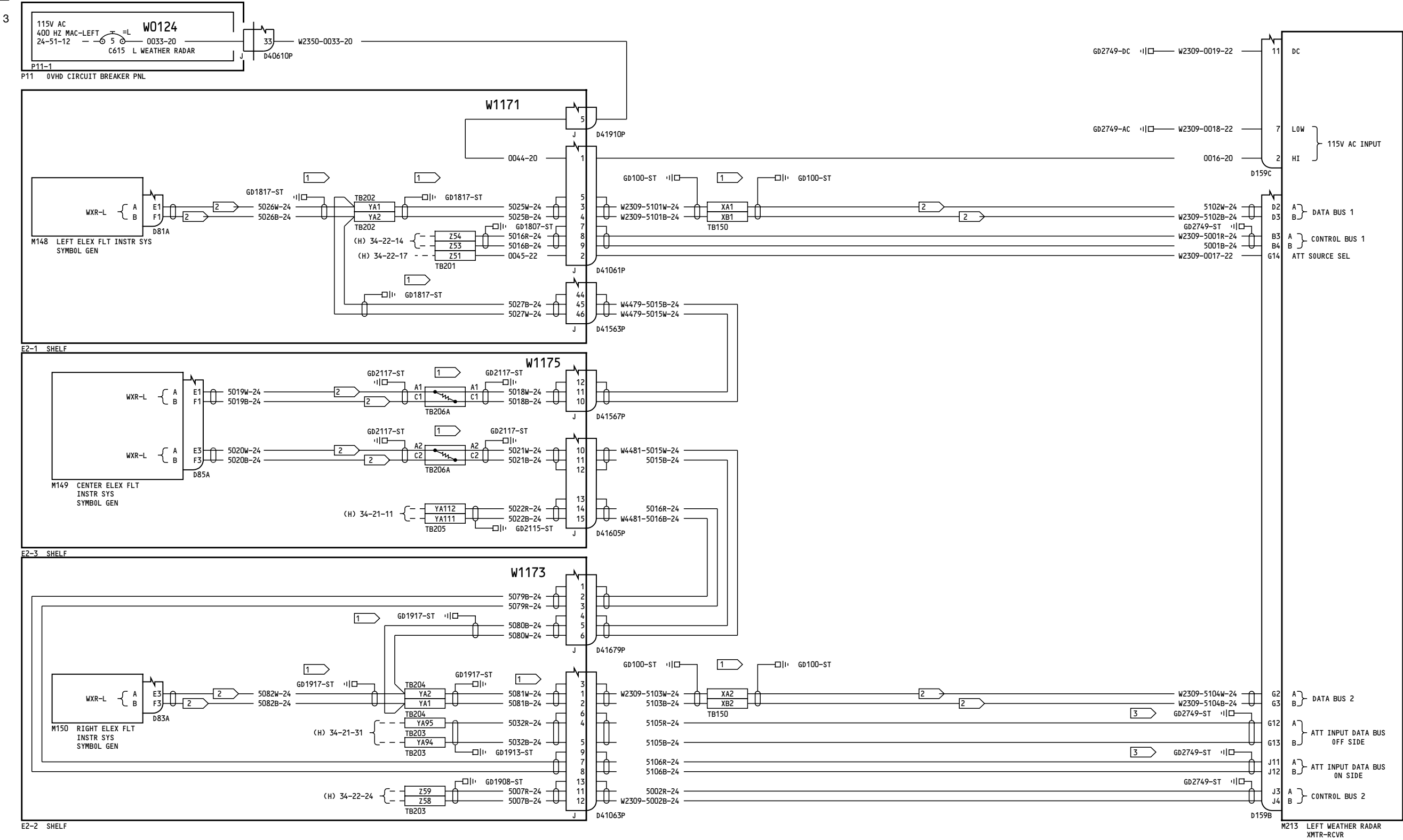
34-33-31

Page 1
Jan 21/2005



NOTES:

- 1 JUMPER 3 INCHES MAXIMUM.
- 2 CRITICAL LENGTH OF 17 FEET 3 INCHES + 1 INCH.
- 3 CRITICAL LENGTH 15 FEET_11 INCHES + 1 INCH.
- 4 CAP AND STOW NEAR D3706



NOTES: 1 GROUND WIRE MAXIMUM 3 INCHES. 2 STUD LINE MAXIMUM 6 INCHES 70 OHMS. 3 GROUND WIRE MAXIMUM 18 INCHES.

001-099	WEATHER RADAR INTERFACE - LEFT
	D280N032

34-43-11

Page 1

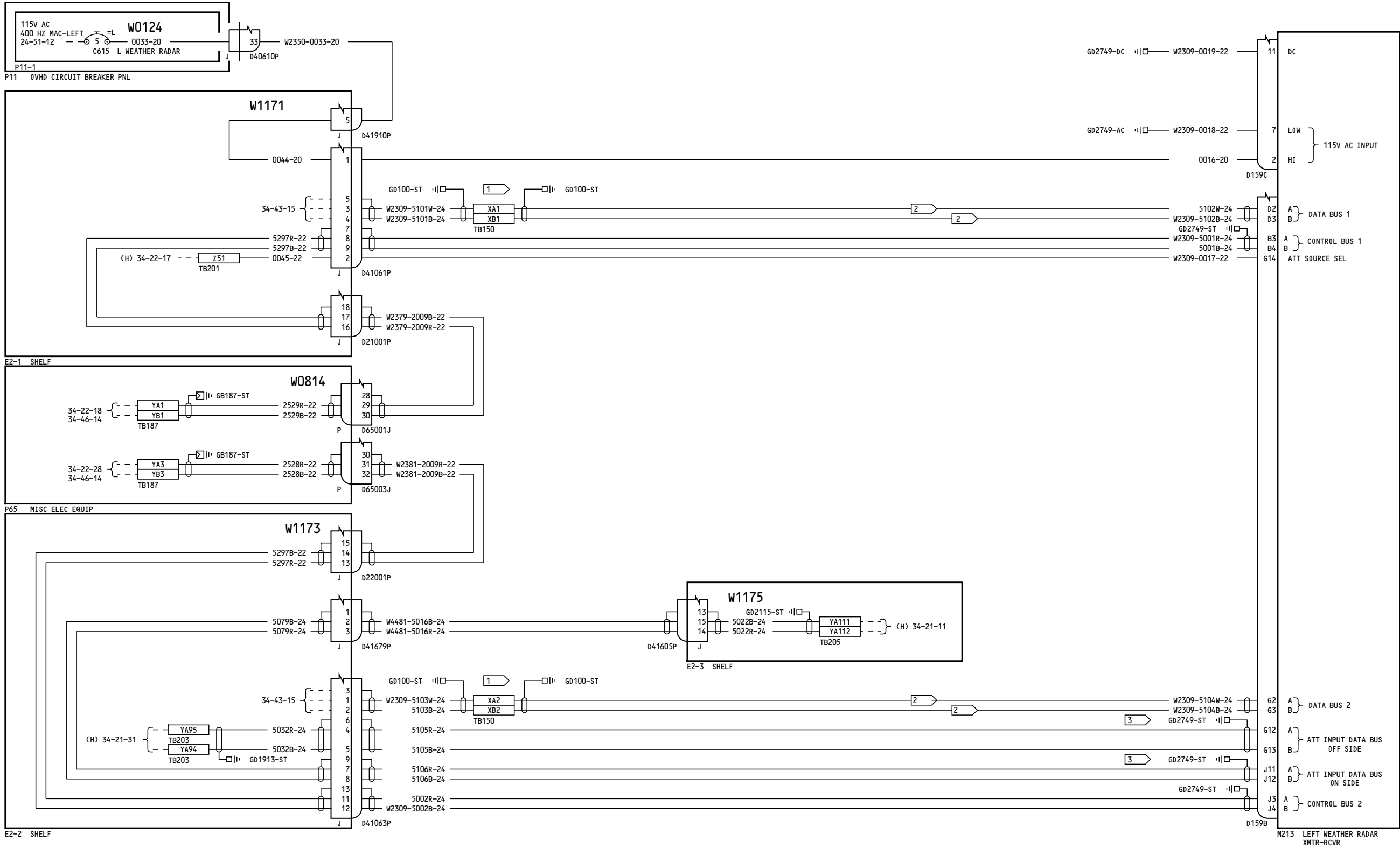
Jan 21/2005

34-43-11

Page 1

Jan 21/2005

59



NOTES: 1 GROUND WIRE MAXIMUM 3 INCHES. 2 STUD LINE MAXIMUM 6 INCHES 70 OHMS. 3 GROUND WIRE MAXIMUM 18 INCHES.

002

WEATHER RADAR - LEFT

D280N032

34-43-11

Page 1.1

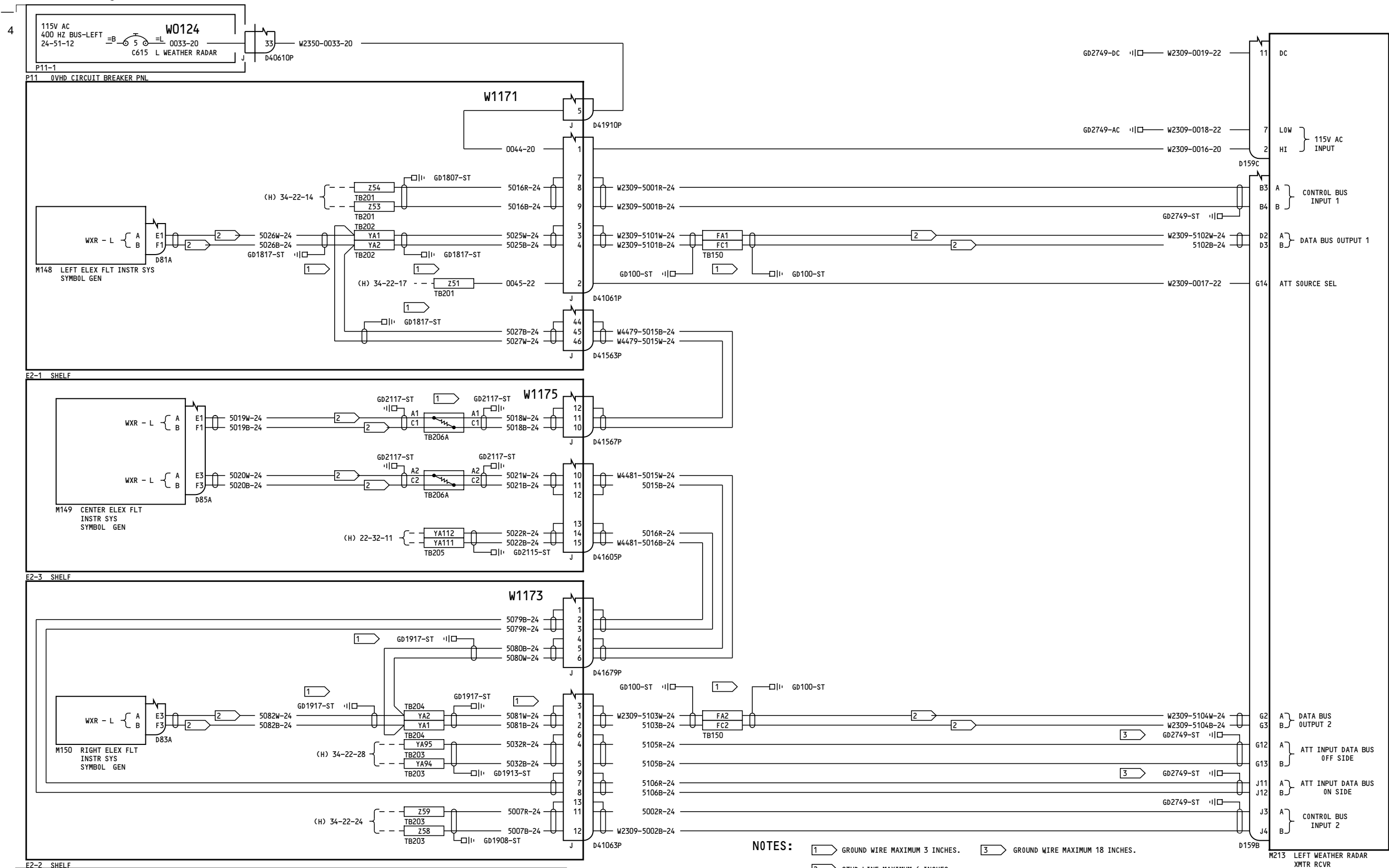
Jan 21/2005

Incorporates
34-0200

34-43-11

Page 1.1

Jan 21/2005



**WEATHER RADAR
INTERFACE - LEFT**

34-43-11

Page 2

D280N032

Jan 21/2005

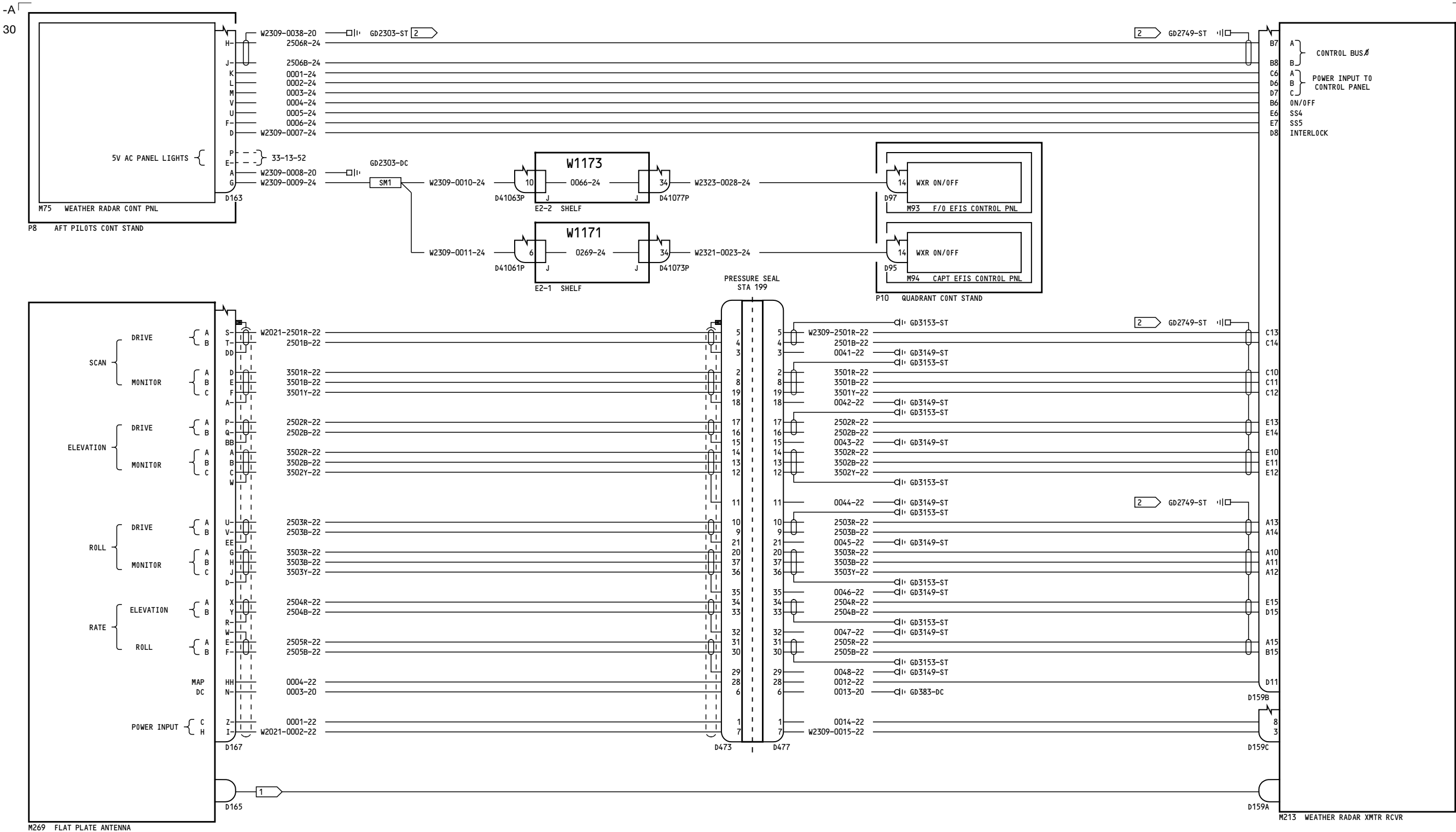
34-43-11

Page 2

Jan 21/2005



757-200 WIRING DIAGRAM MANUAL



NOTES: 1 WAVEGUIDE ASSEMBLY
2 GROUND WIRE 18 INCHES

001	WEATHER RADAR CONTROL
	D280N032

34-43-12

Page 1

Jan 21/2005

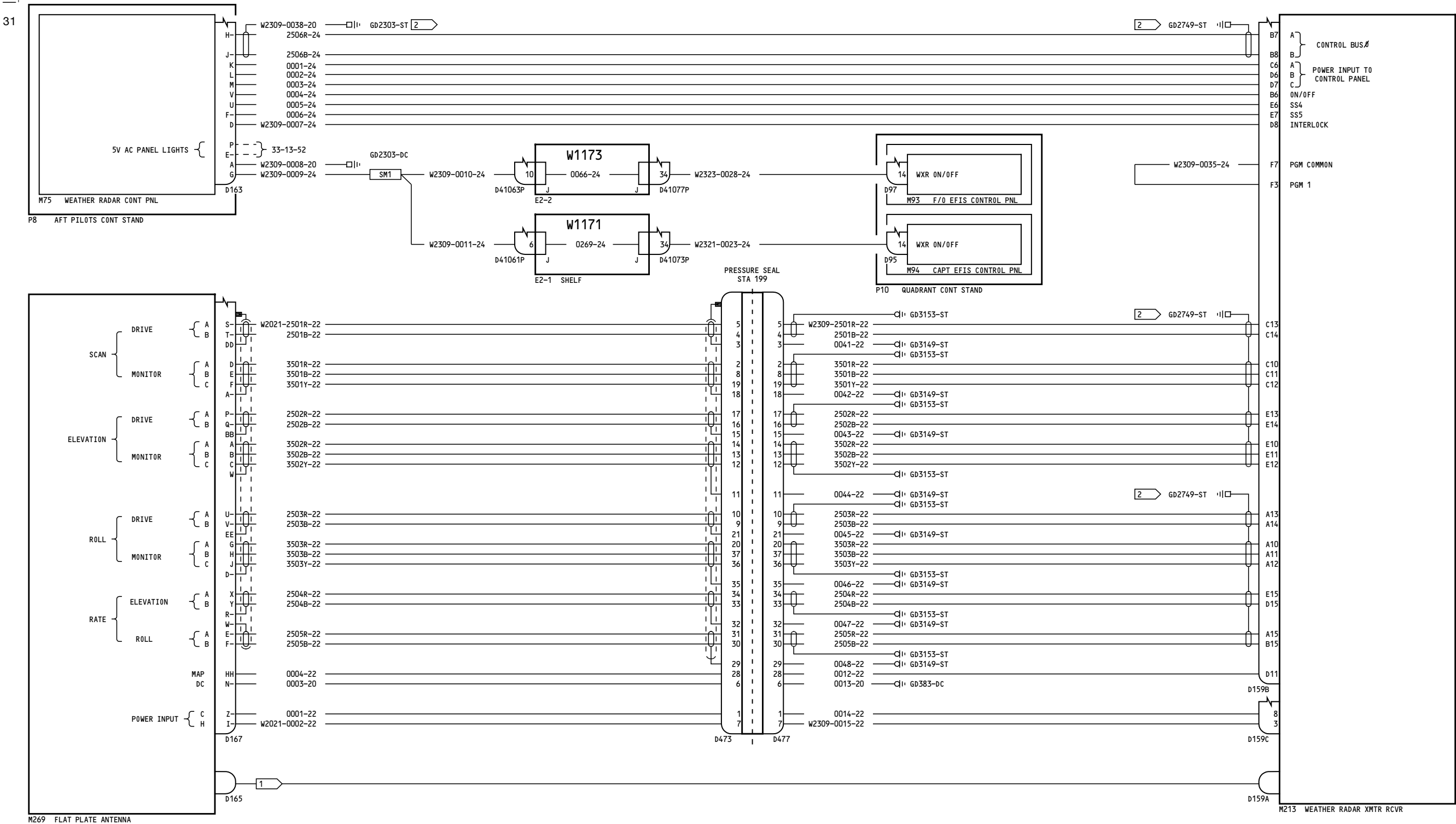
34-43-12

Page 1

Jan 21/2005



757-200 WIRING DIAGRAM MANUAL



NOTES:

- 1 WAVEGUIDE ASSEMBLY
- 2 GROUND WIRE 18 INCHES

002-008, 010-099	WEATHER RADAR CONTROL
	D280N032

34-43-12

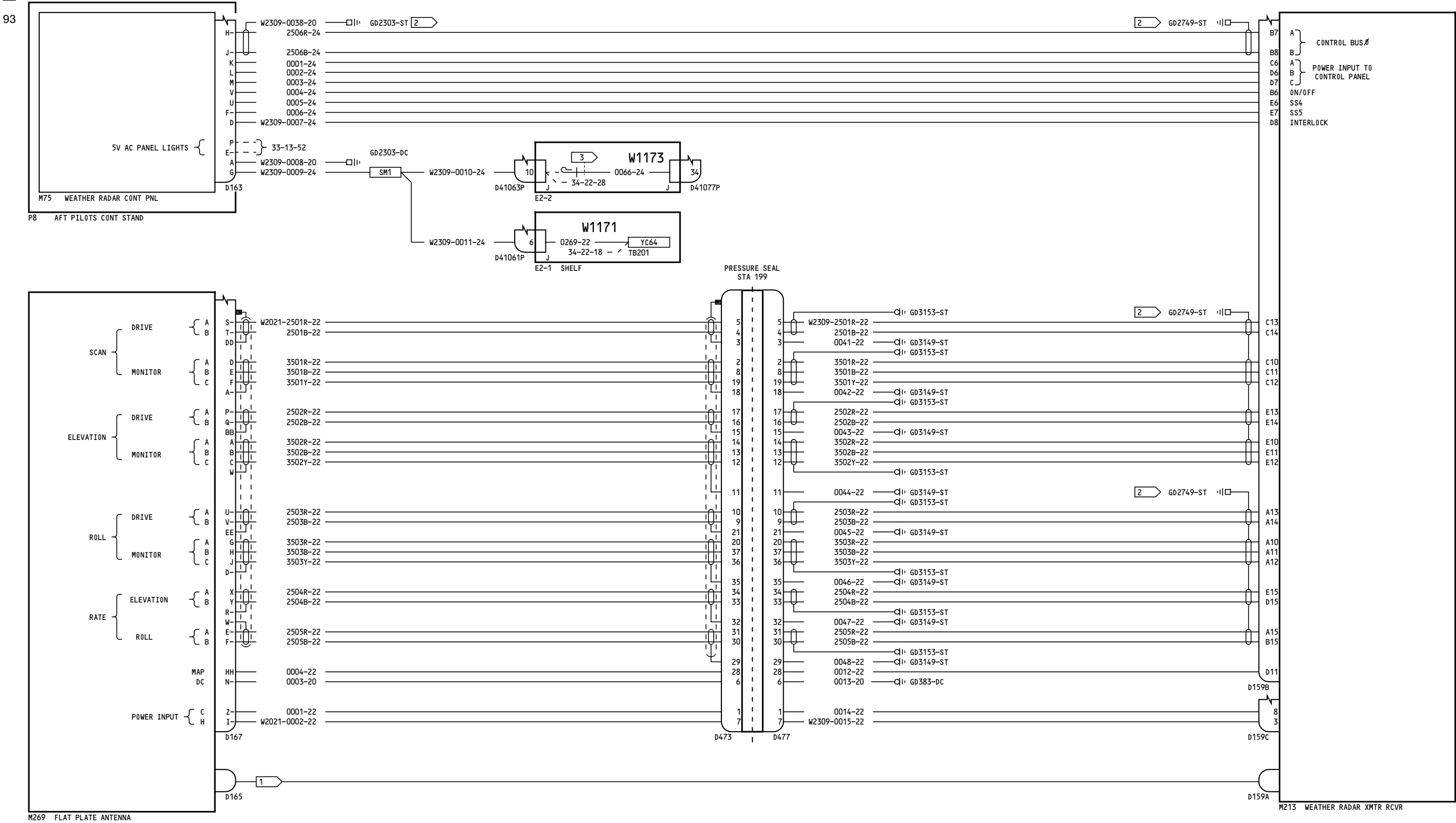
Page 2

Jan 21/2005

34-43-12

Page 2

Jan 21/2005



NOTES: 1 WAVEGUIDE ASSEMBLY 3 TAPE AND STOW NEAR D41063J 2 GROUND WIRE 18 INCHES

002

WEATHER RADAR CONTROL - LEFT

D280N032

34-43-12

Page 2.1

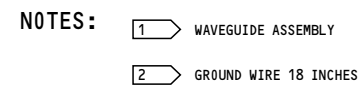
Jan 21/2005

Incorporates 34-0200

34-43-12

Page 2.1

Jan 21/2005

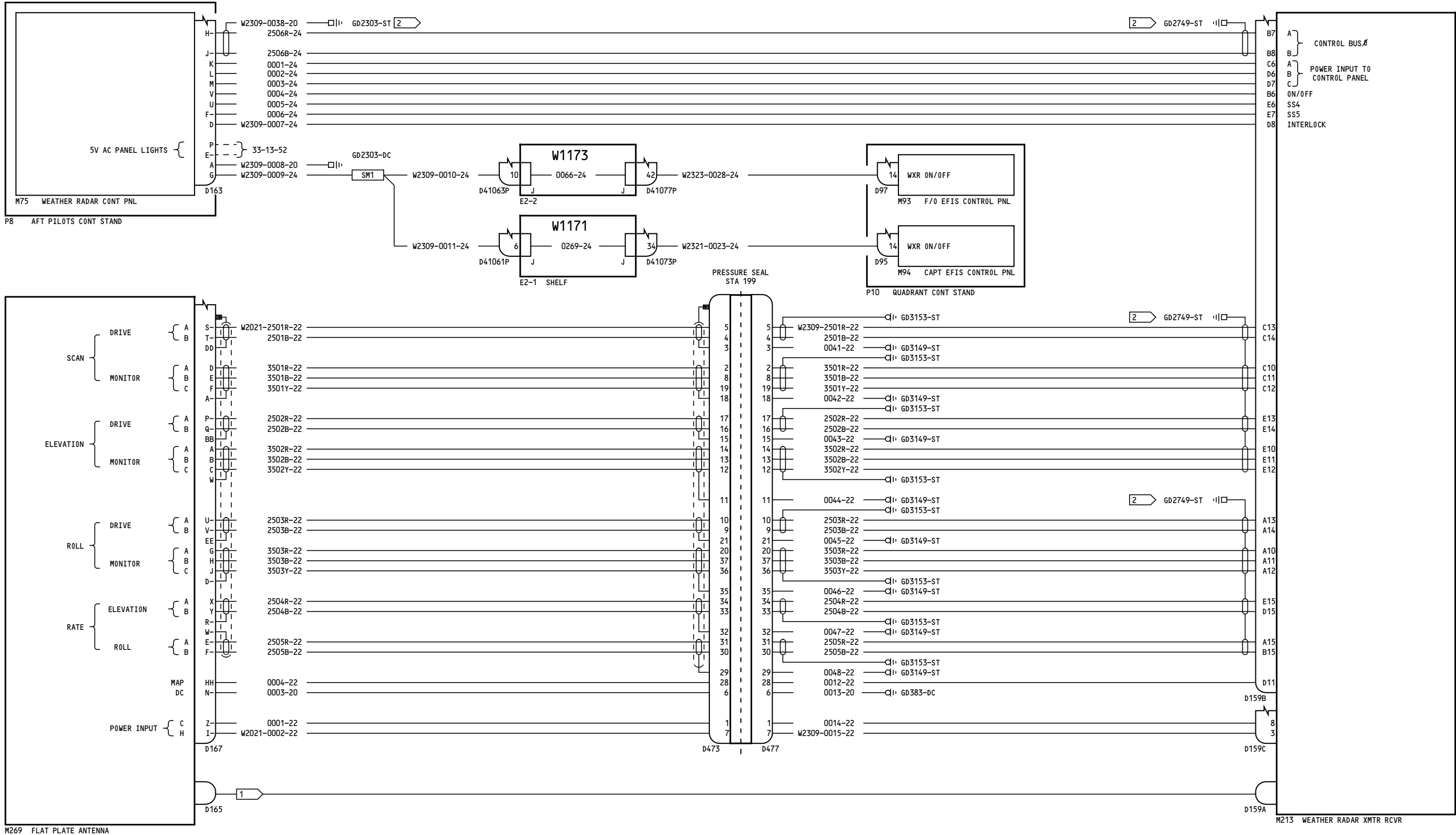


Jan 21/2005

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details.



21



NOTES:

- 1 WAVEGUIDE ASSEMBLY
- 2 GROUND WIRE 18 INCHES

115-199

WEATHER RADAR CONTROL

D280N032

34-43-12

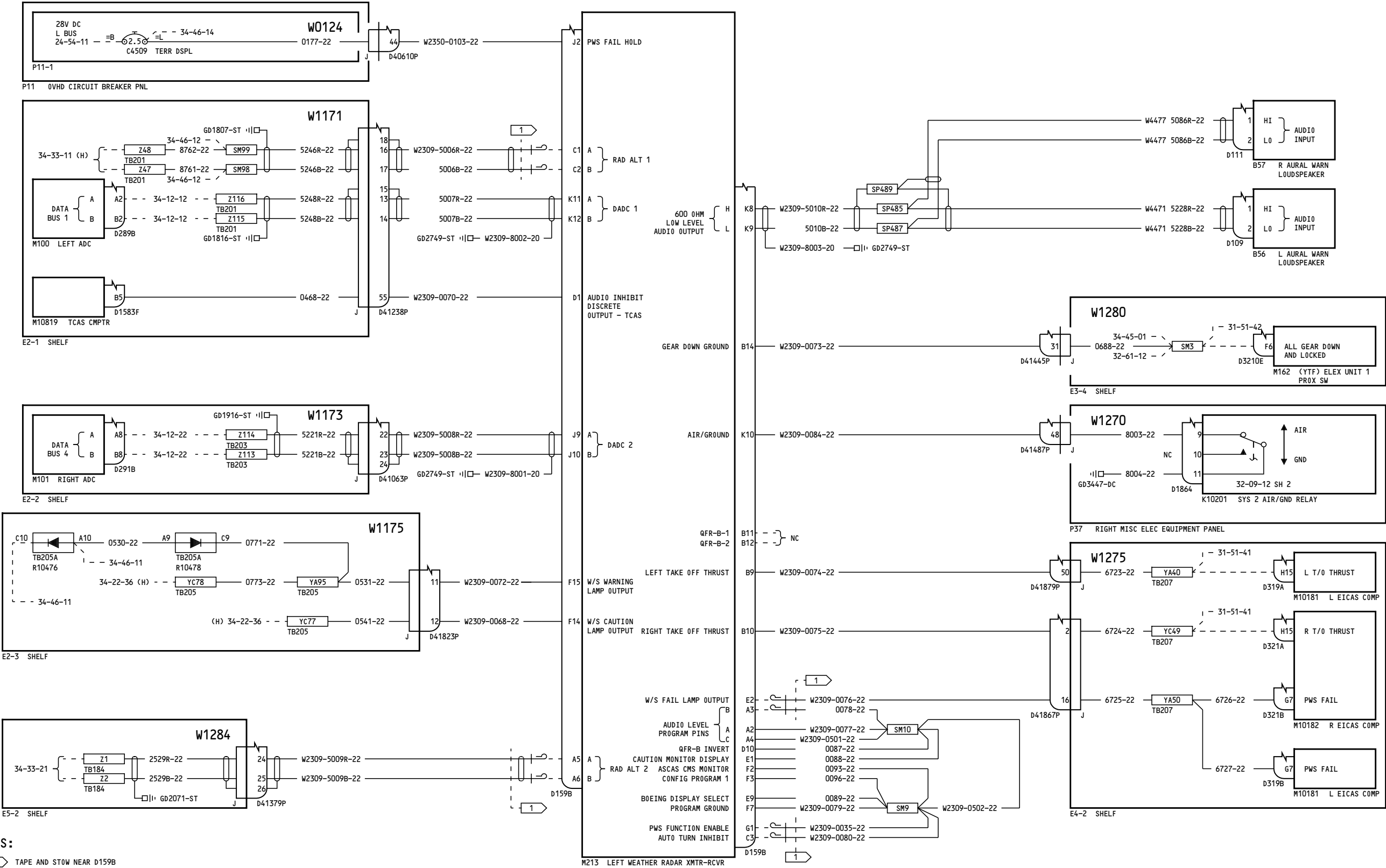
Page 4

Jan 21/2005

34-43-12

Page 4

Jan 21/2005



NOTES:
1 TAPE AND STOW NEAR D159B

002	WXR - PREDICTIVE WINDSHEAR
	D280N032

34-43-14

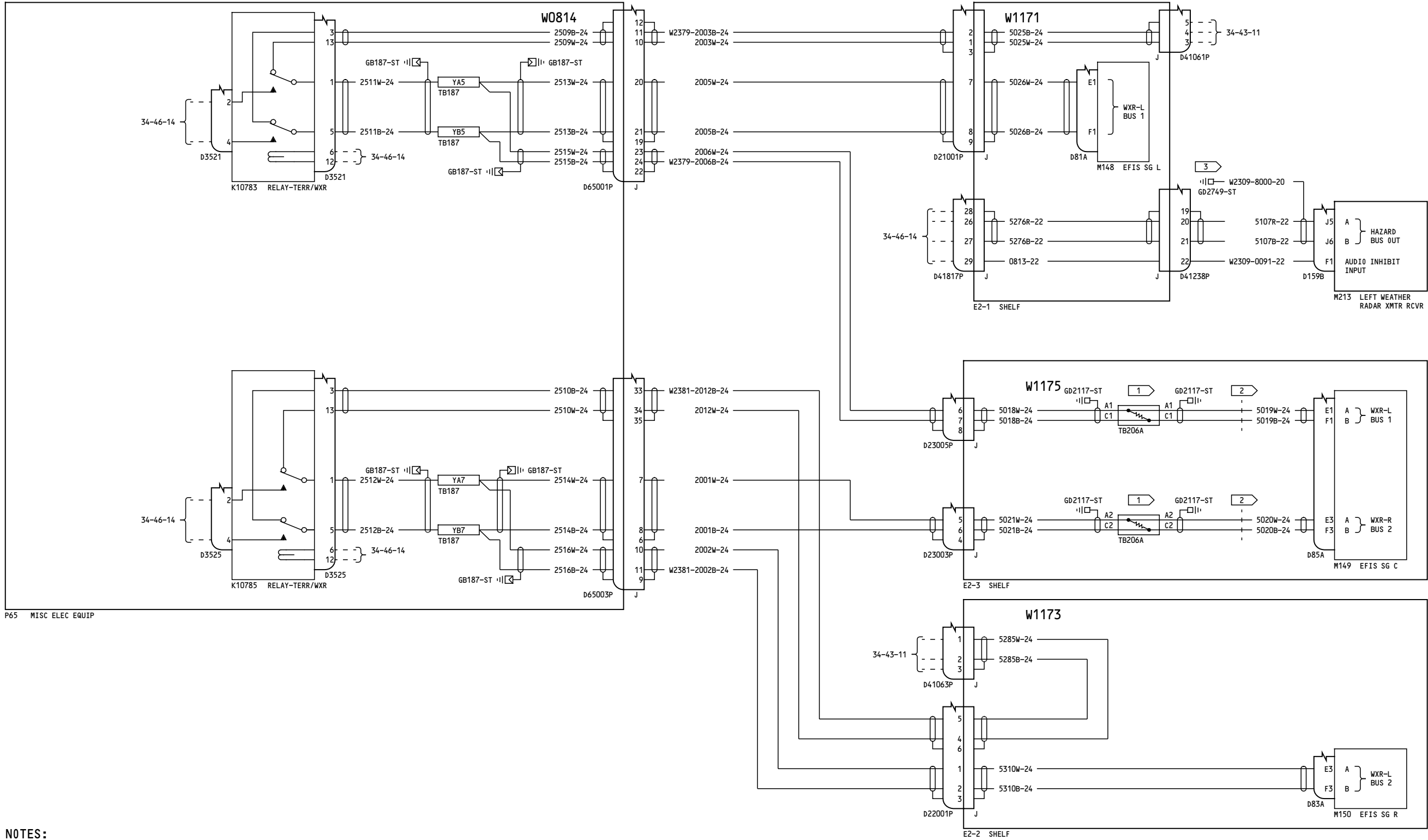
Page 1.1
Jan 21/2005

Incorporates
34-0200
34A0222

34-43-14

Page 1.1
Jan 21/2005

21



NOTES:

- 1 GROUND WIRE MAXIMUM 3 INCHES
- 2 STUB LINE MAXIMUM 6 INCHES
- 3 GROUND WIRE MAXIMUM 18 INCHES.

WEATHER RADAR INTERFACE
LEFT CONTROL INPUT AND
OUTPUT

D280N032

34-43-15

Page 1.1

Jan 21/2005

Incorporates
34-0200

34-43-15

Page 1.1

Jan 21/2005



34-45-01

Incorporates
▶ 27A0130 R01

D280N032

Jan 21/2005

34-45-01

Jan 21/2005

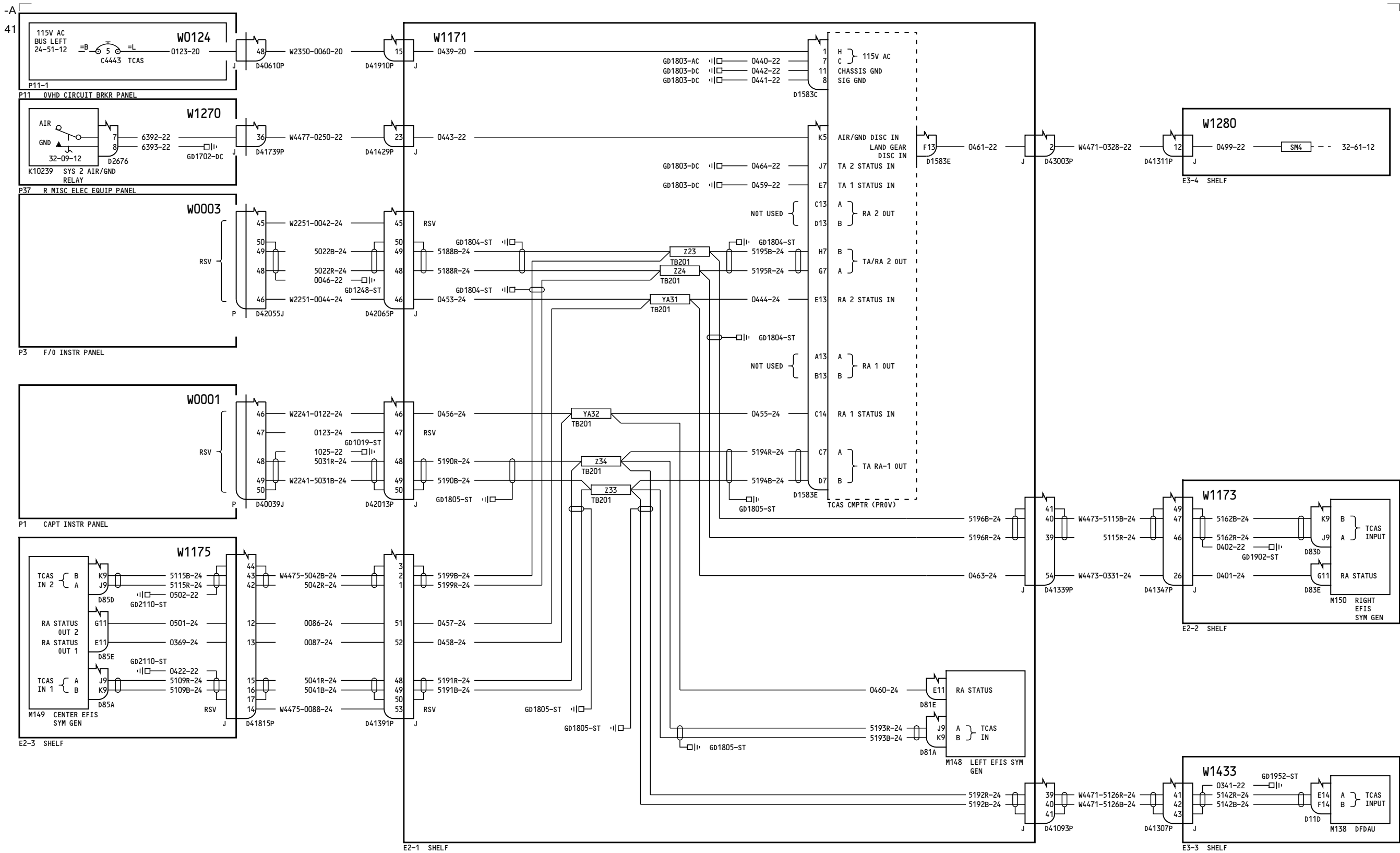


34-45-01

Jan 21/2005

34-45-01

Jan 21/2005



003-099

TCAS - POWER AND DISPLAY

34-45-01

Page 2

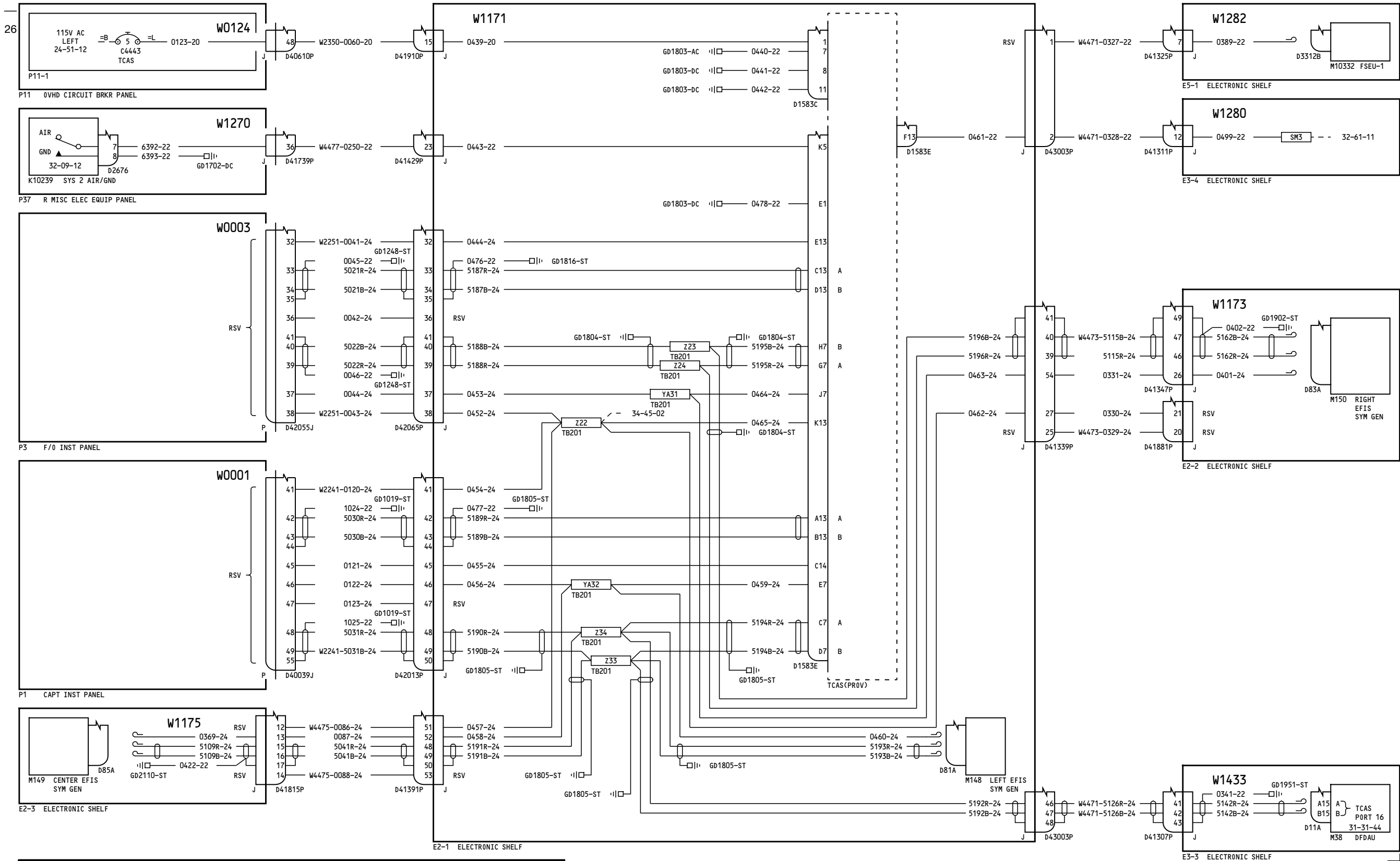
D280N032

Jan 21/2005

34-45-01

Page 2

Jan 21/2005



115-199

TCAS - POWER AND DISPLAY

34-45-01

Page 3

D280N032

Jan 21/2005

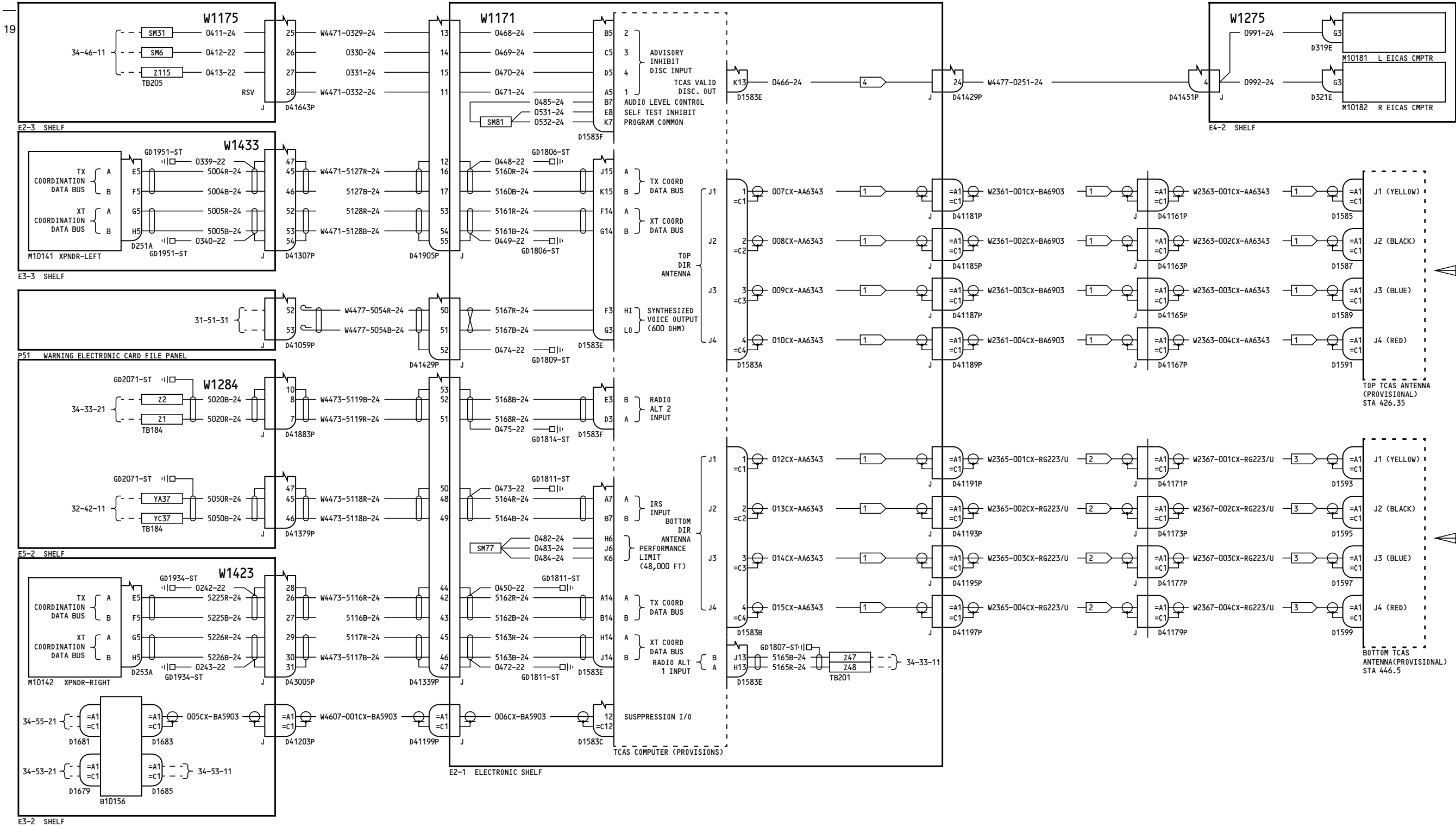
34-45-01

Page 3

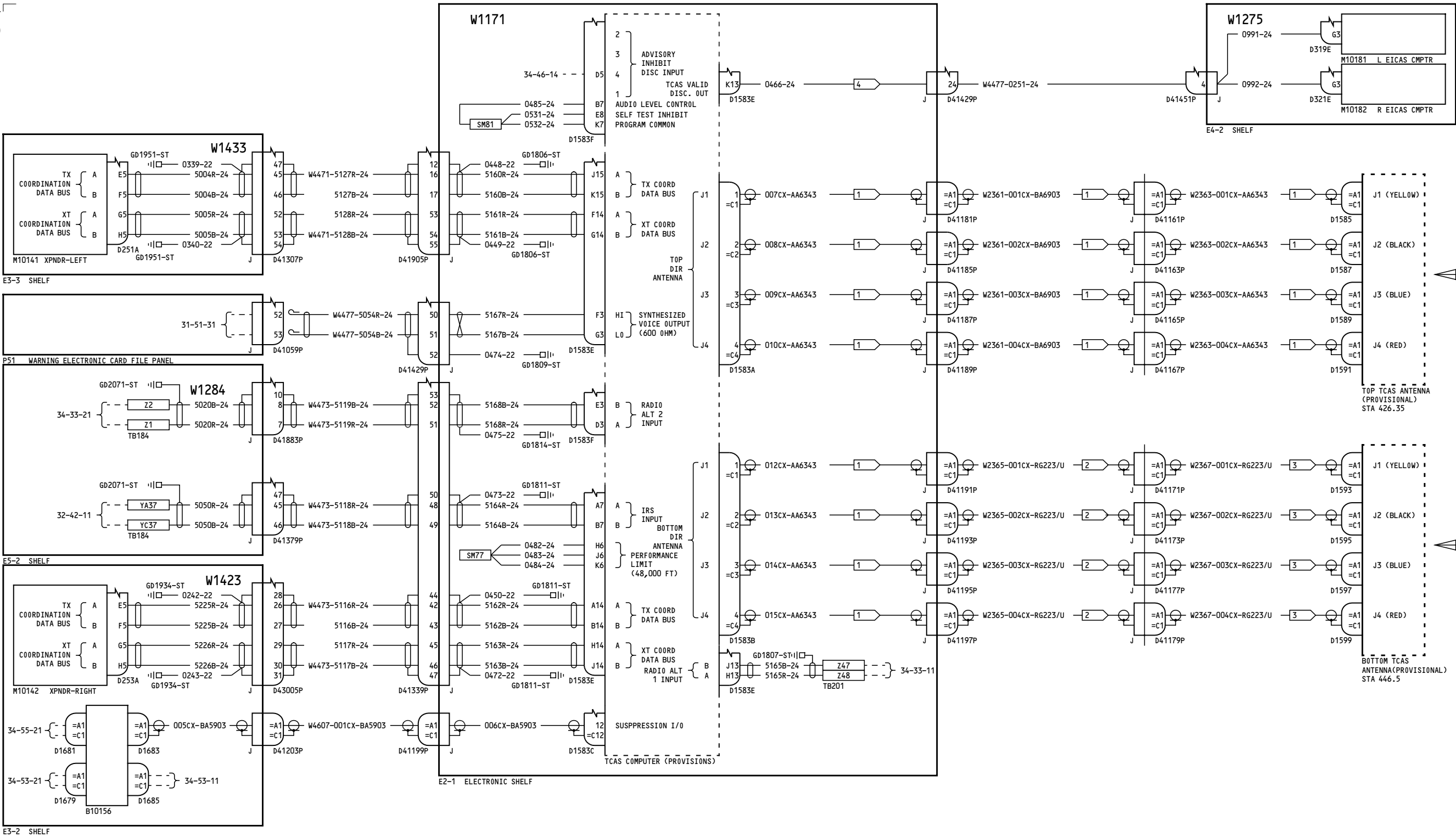
Jan 21/2005



757-200 WIRING DIAGRAM MANUAL

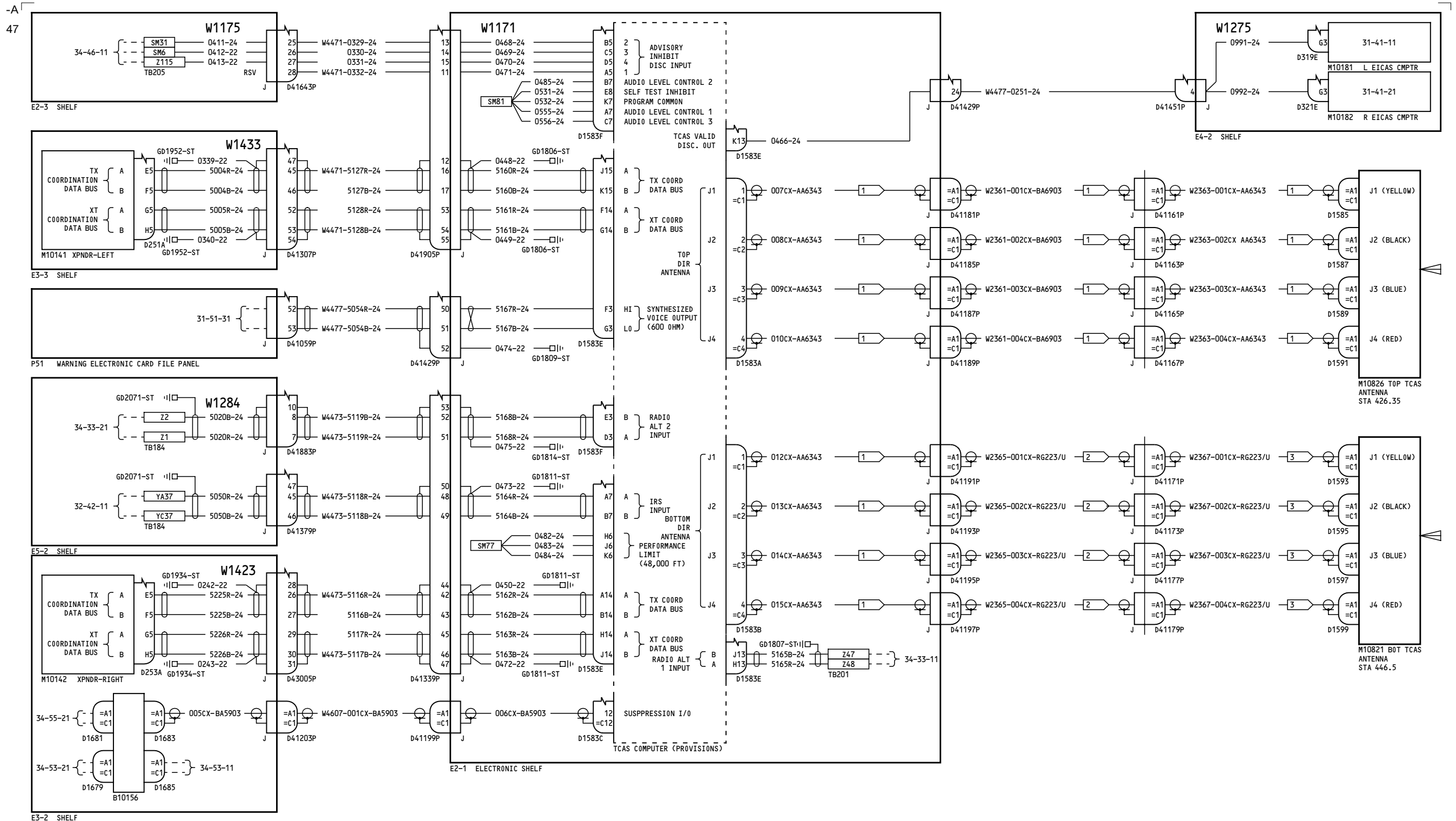


- NOTES:
- 1 BALANCED ASSEMBLY, ALL FOUR CABLE LENGTHS IN EACH GROUP MUST BE OF EQUAL LENGTH $\pm 1/2$ INCH
 - 2 CRITICAL LENGTH OF NINE FEET $\pm 1/2$ INCH
 - 3 CRITICAL LENGTH OF THREE FEET $\pm 1/2$ INCH
 - 4 WIRE REINSTALL FOR NB321-NB322 ONLY



NOTES:

1	BALANCED ASSEMBLY, ALL FOUR CABLE LENGTHS IN EACH GROUP MUST BE OF EQUAL LENGTH $\pm 1/2$ INCH	3	CRITICAL LENGTH OF THREE FEET $\pm 1/2$ INCH
2	CRITICAL LENGTH OF NINE FEET $\pm 1/2$ INCH	4	WIRE REINSTALL FOR NB321-NB322 ONLY



NOTES:

- 1 BALANCED ASSEMBLY, ALL FOUR CABLE LENGTHS IN EACH GROUP MUST BE OF EQUAL LENGTH $\pm 1/2$ INCH
- 2 CRITICAL LENGTH OF NINE FEET $\pm 1/2$ INCH
- 3 CRITICAL LENGTH OF THREE FEET $\pm 1/2$ INCH

009-099

TCAS - ANTENNA/INTERFACE

34-45-02

Page 2

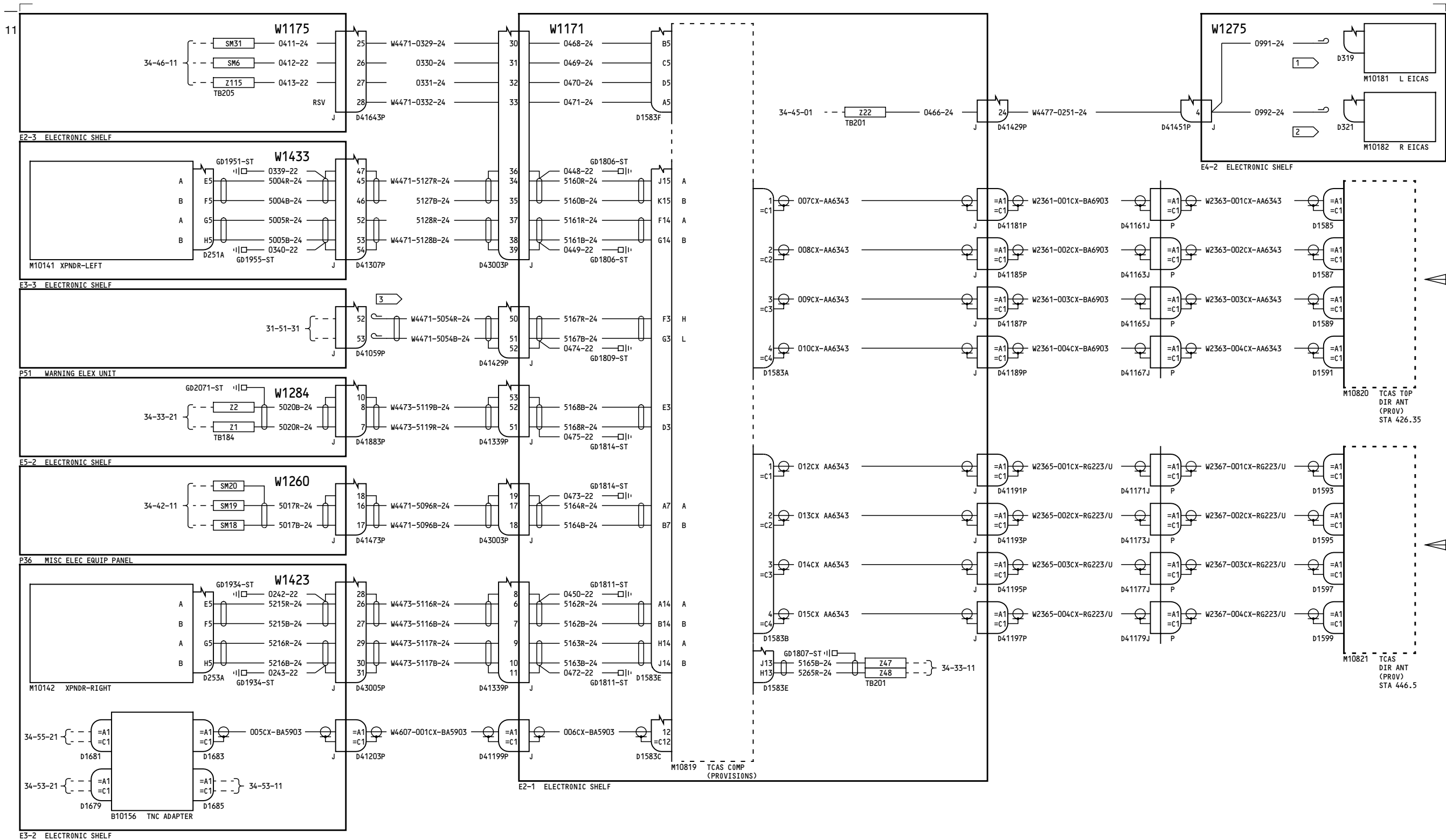
D280N032

Jan 21/2005

34-45-02

Page 2

Jan 21/2005



NOTES:

- 1 CAP AND STOW NEAR D319 2 CAP AND STOW NEAR D321 3 CAP AND STOW NEAR D41059P

115-199

TCAS - ANTENNA/INTERFACE

34-45-02

Page 3

D280N032

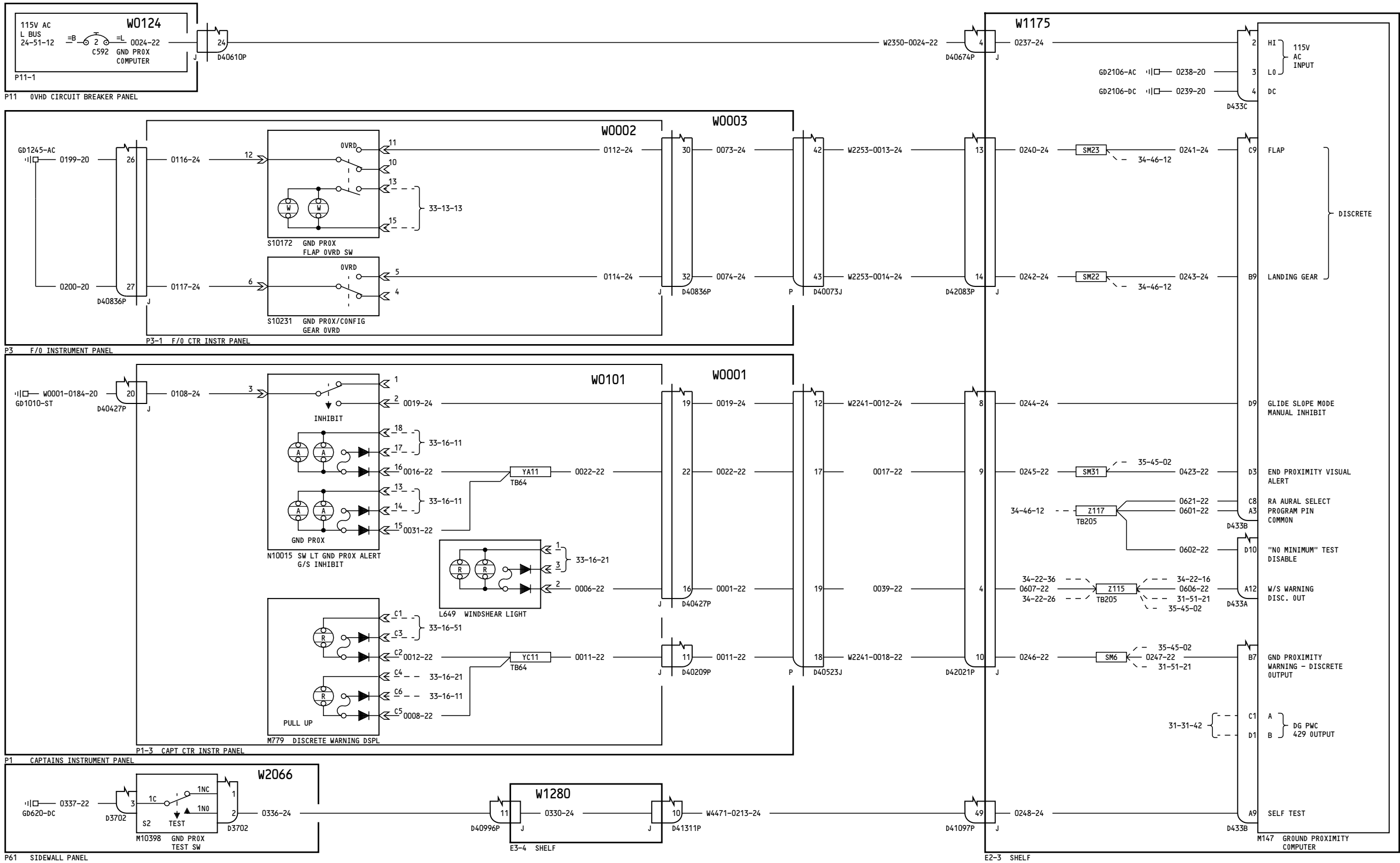
Jan 21/2005

34-45-02

Page 3

Jan 21/2005

40



001-008

**GROUND PROXIMITY WARNING
SYSTEM - POWER AND
WARNING**

34-46-11

Page 1

D280N032

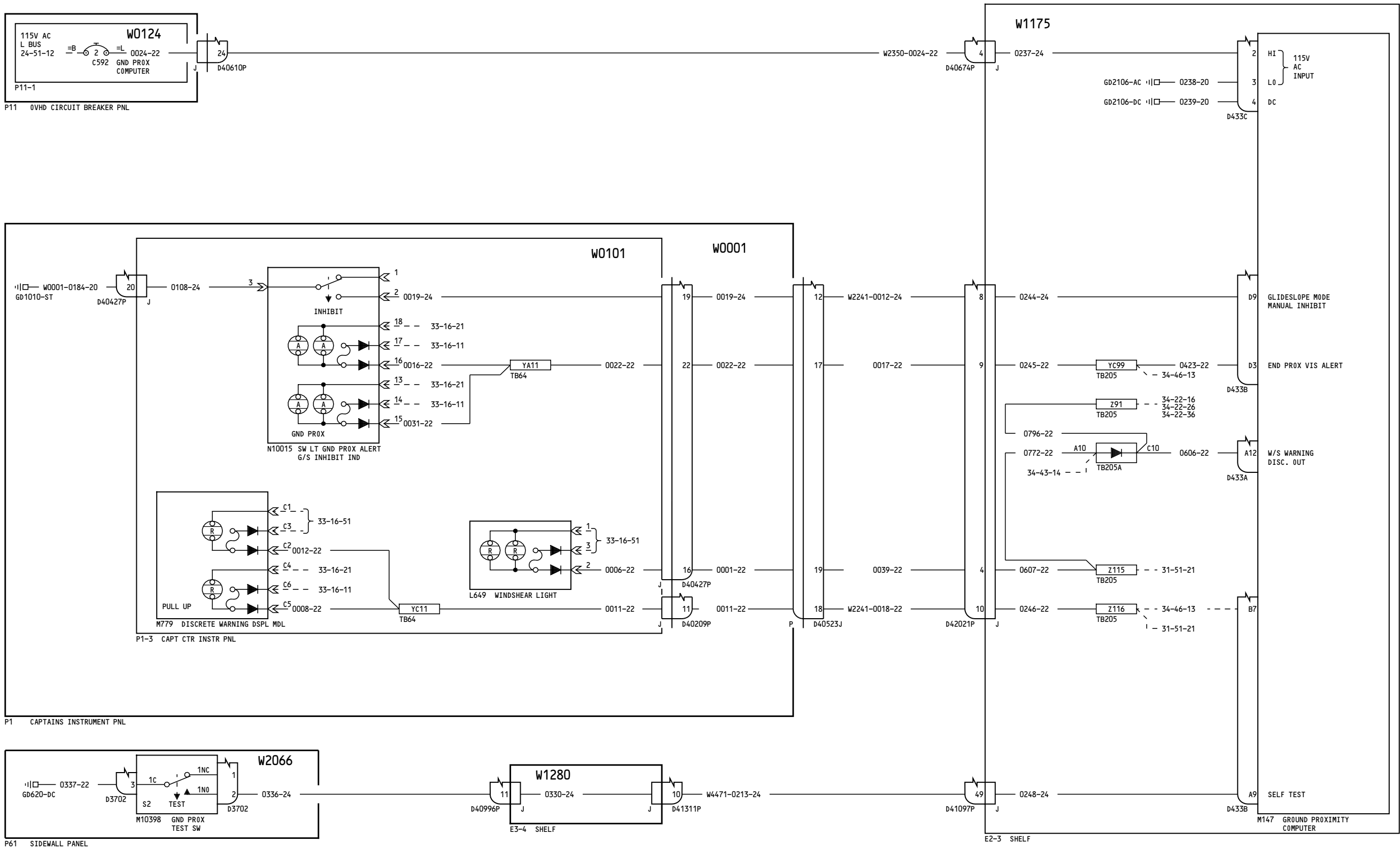
Jan 21/2005

34-46-11

Page 1

Jan 21/2005

-A
182



002	GROUND PROXIMITY WARNING SYSTEM
	D280N032

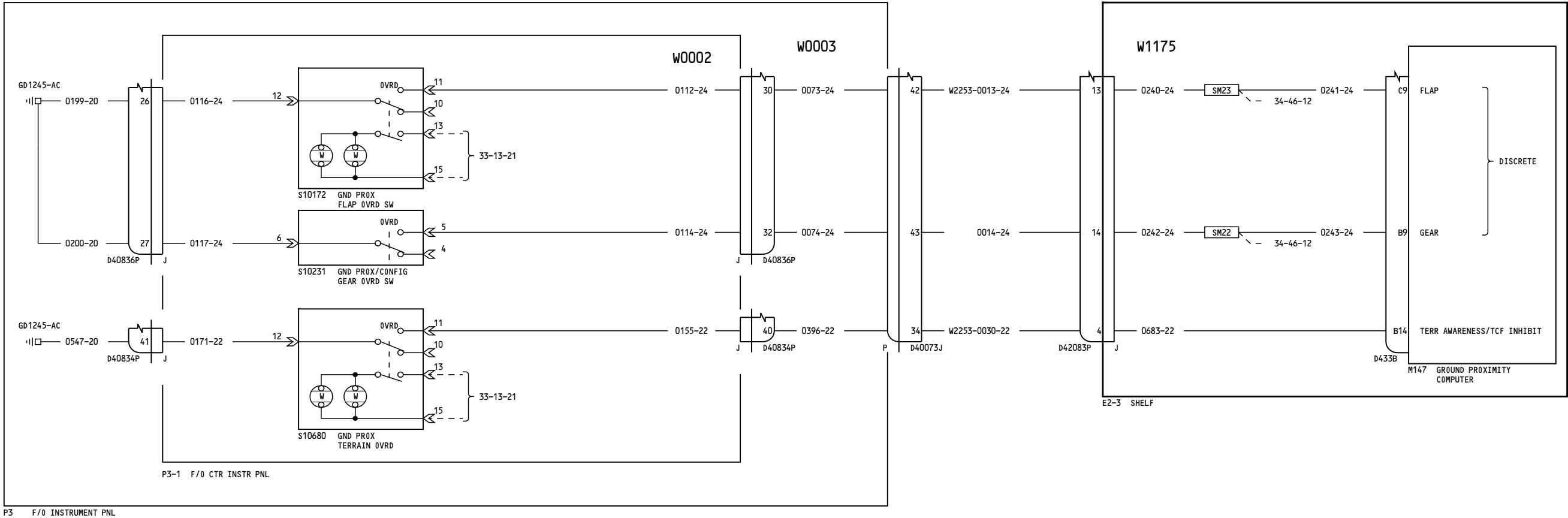
34-46-11

Page 1.1
Sheet 1
Jan 21/2005

Incorporates
34-0200

34-46-11

Page 1.1
Sheet 1
Jan 21/2005



002

**GROUND PROXIMITY
WARNING SYSTEM**

D280N032

34-46-11

Page 1.1
Sheet 2
Jan 21/2005

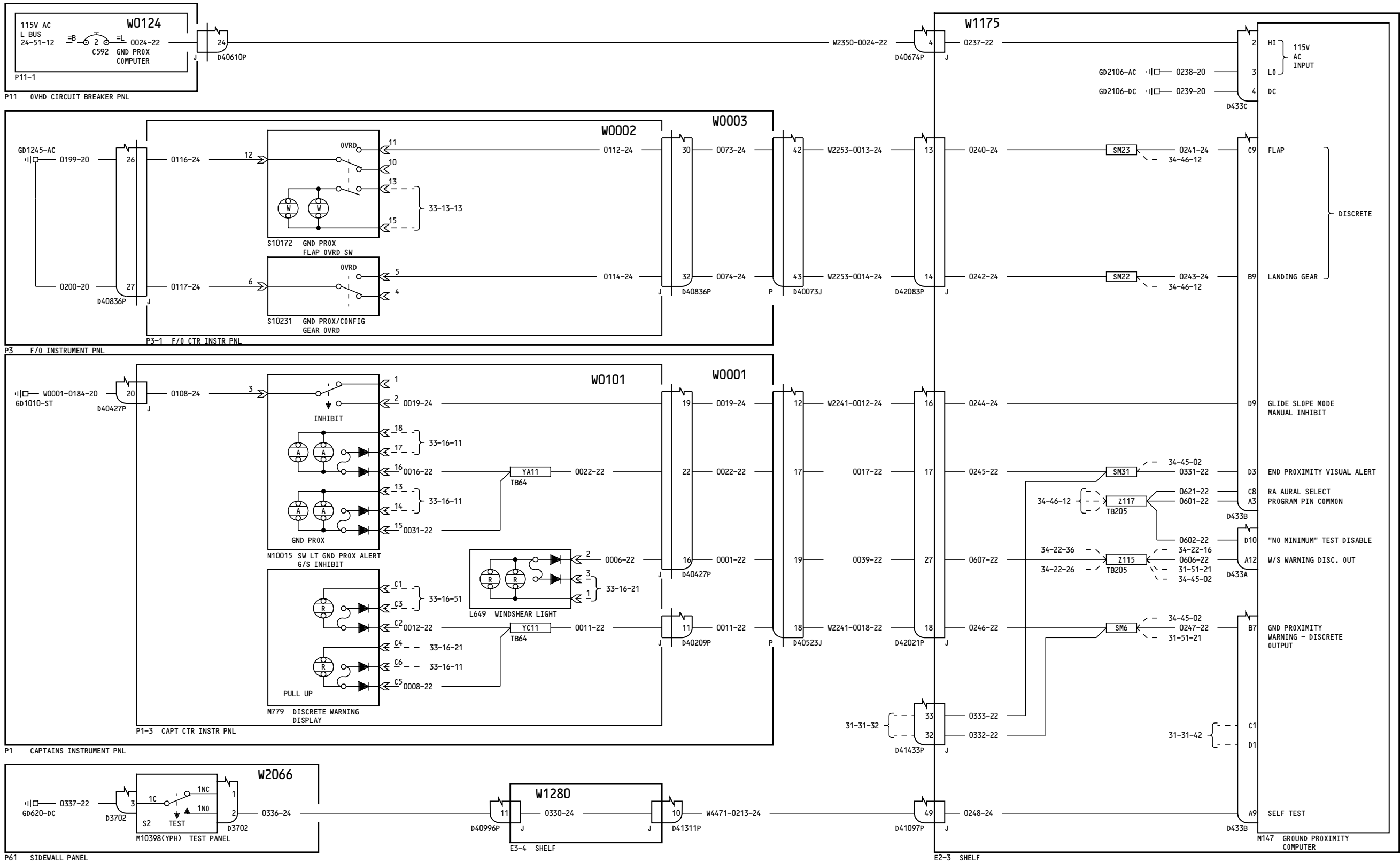
Incorporates
34-0200

34-46-11

Page 1.1
Sheet 2
Jan 21/2005



32



115-199

**GROUND PROXIMITY WARNING
SYSTEM - POWER AND
WARNING**

D280N032

34-46-11

Page 3

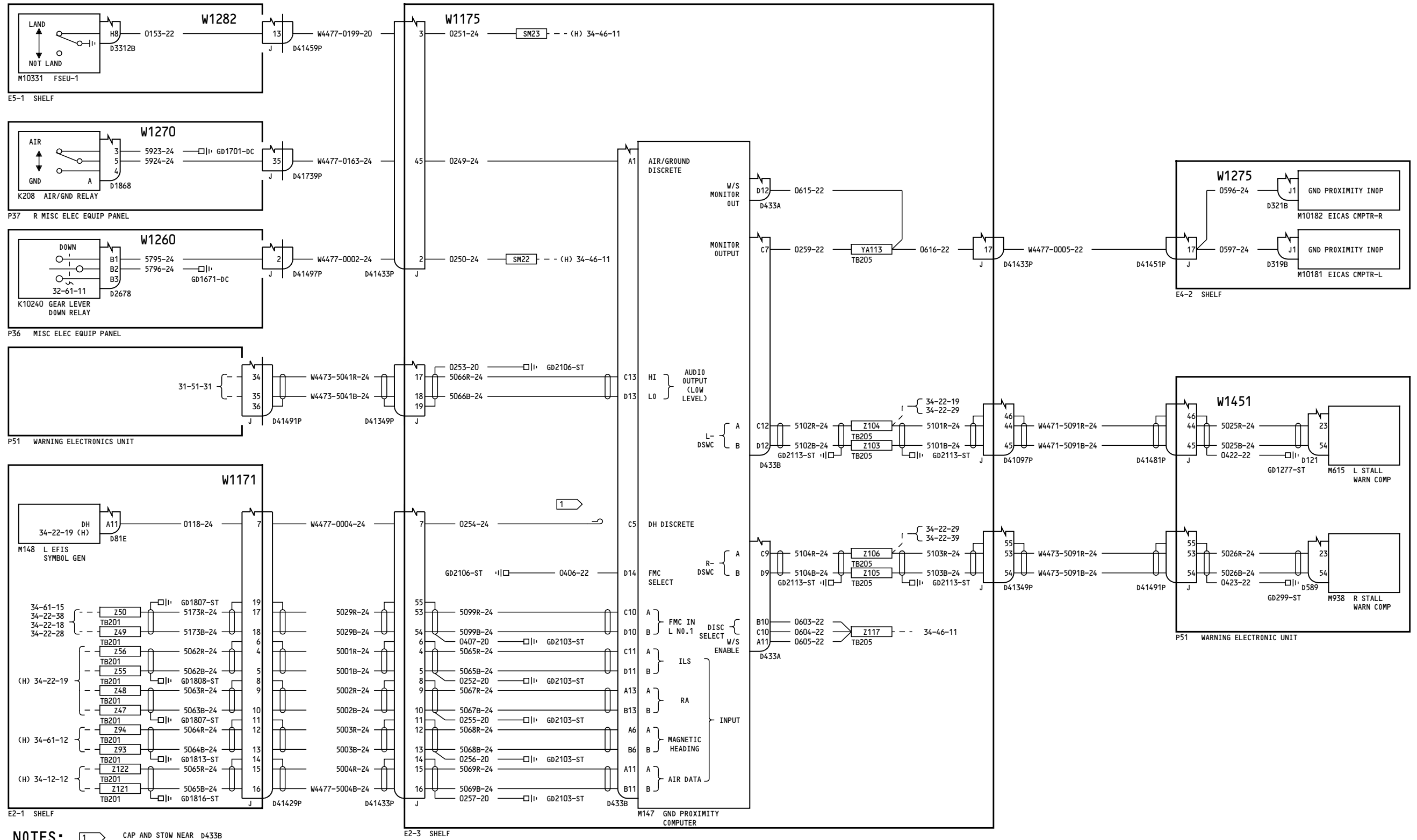
Jan 21/2005

34-46-11

Page 3

Jan 21/2005

36



001-008, 010-099

GROUND PROXIMITY WARNING SYSTEM - SIGNAL

34-46-12

Page 1

D280N032

Jan 21/2005

34-46-12

Page 1

Jan 21/2005

001 NOTES:

34-46-12

Page 1.1

Jan 21/2005

D280N032

Incorporates
▶ 27A0130 R01

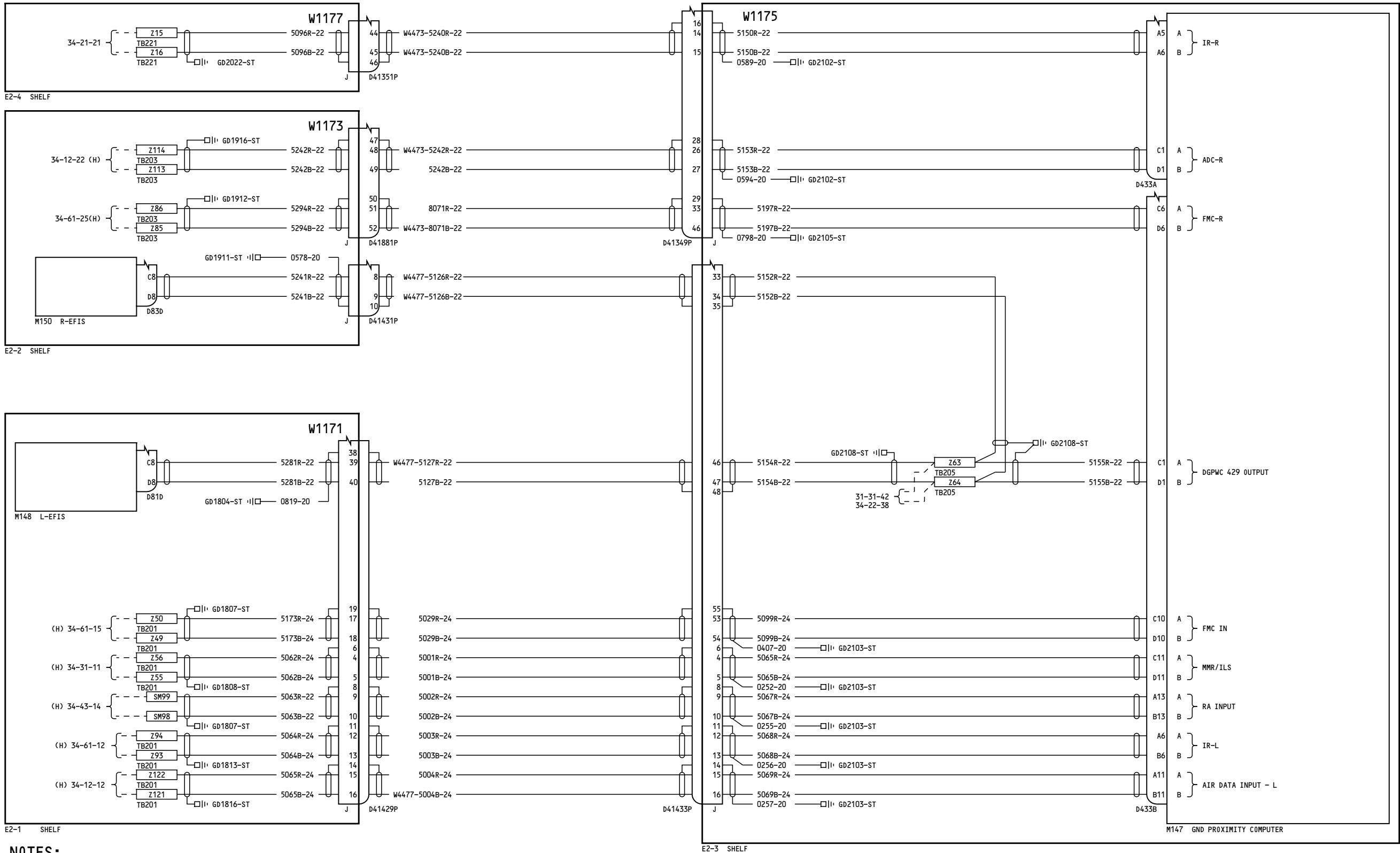
34-46-12

Page 1.1

Jan 21/2005



213



NOTES:

002

GROUND PROXIMITY WARNING SYSTEM - SIGNAL

D280N032

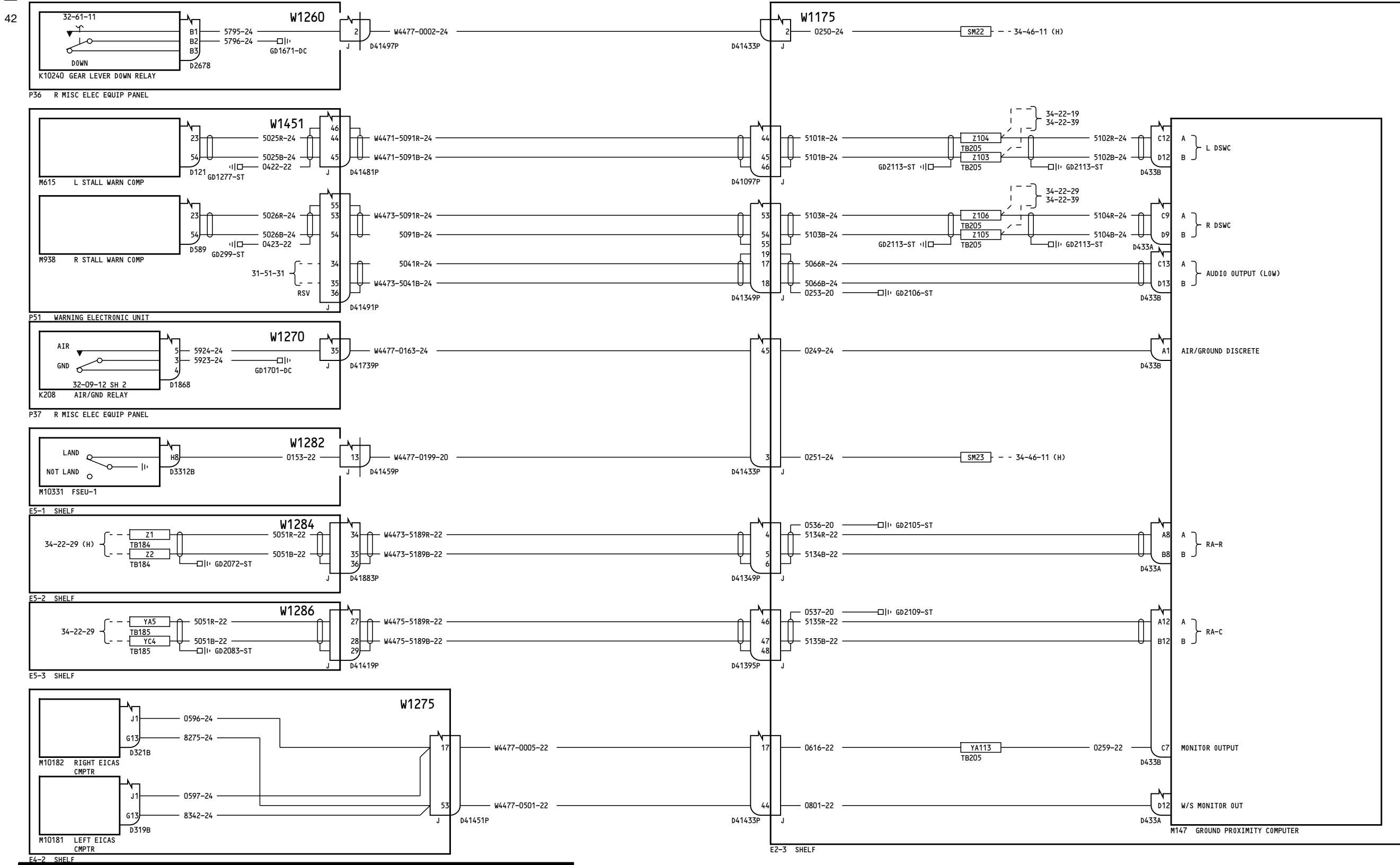
34-46-12

Page 1.2
Sheet 1
Jan 21/2005

Incorporates
▶ 34-0200

34-46-12

Page 1.2
Sheet 1
Jan 21/2005



002

**GROUND PROXIMITY WARNING
SYSTEM - SIGNAL**

D280N032

34-46-12

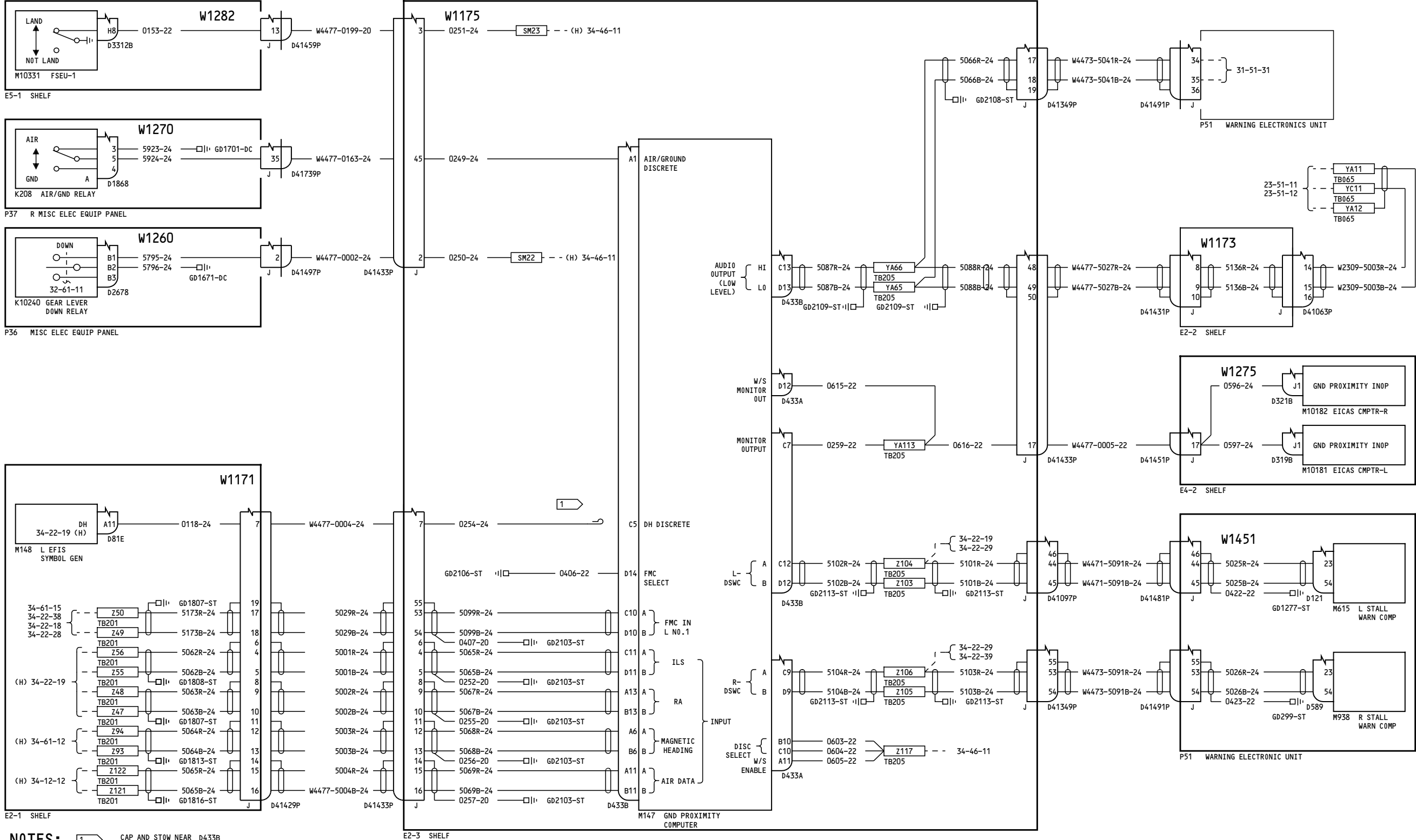
Page 1.2
Sheet 2
Jan 21/2005

Incorporates
27A0130 R01
34-0200

34-46-12

Page 1.2
Sheet 2
Jan 21/2005

40



NOTES: 1 CAP AND STOW NEAR D433B

009

GROUND PROXIMITY WARNING SYSTEM - SIGNAL

34-46-12

Page 2

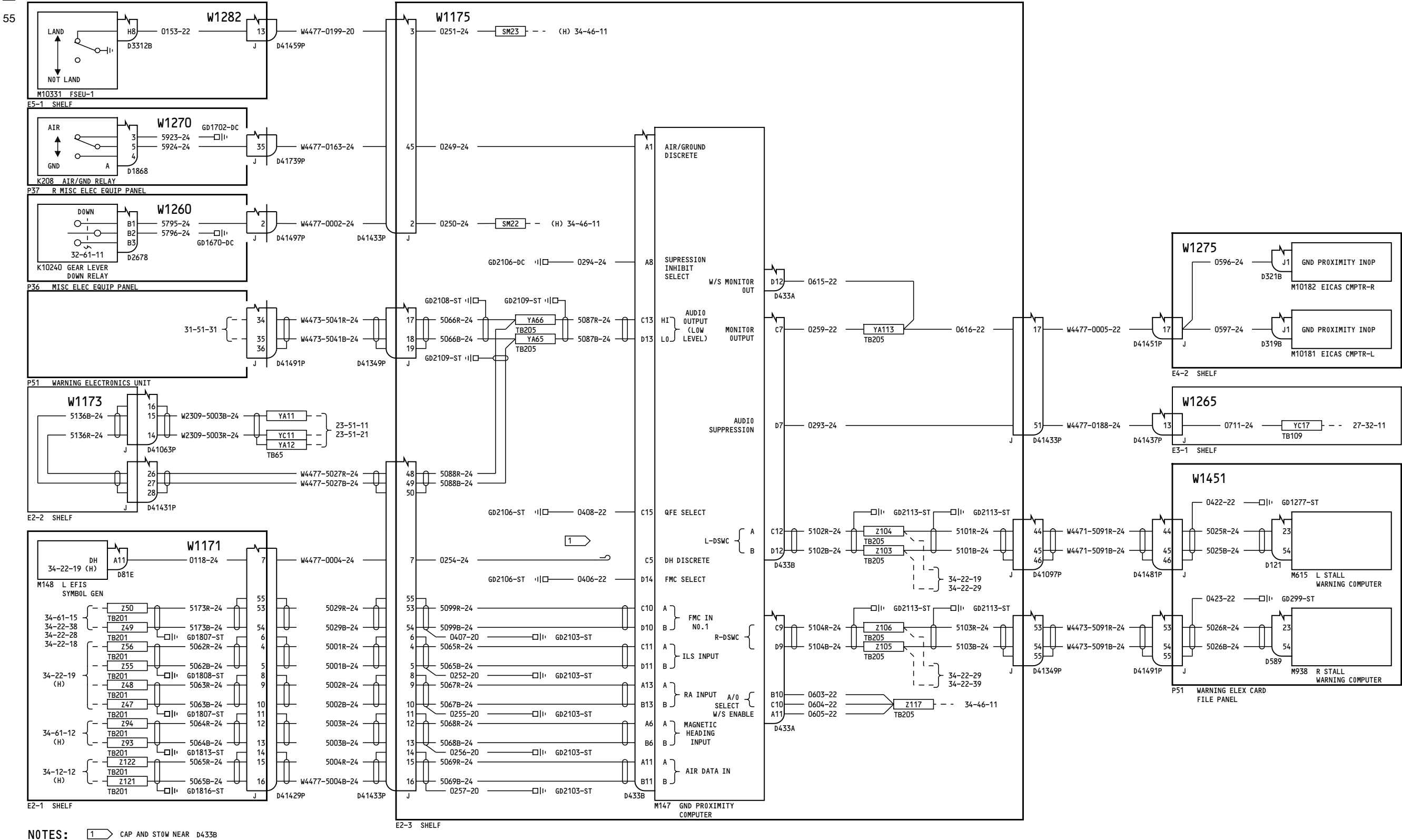
D280N032

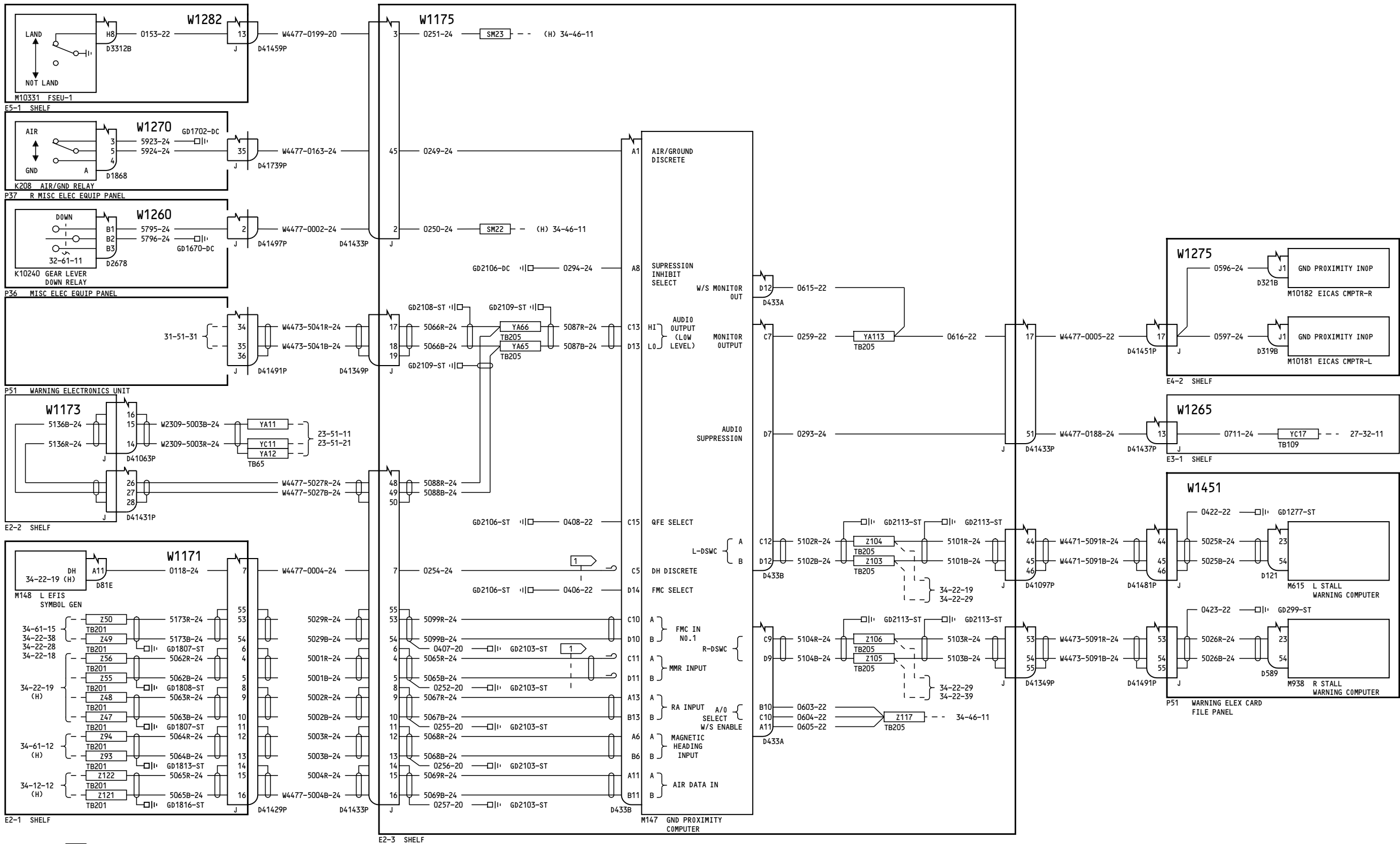
Jan 21/2005

34-46-12

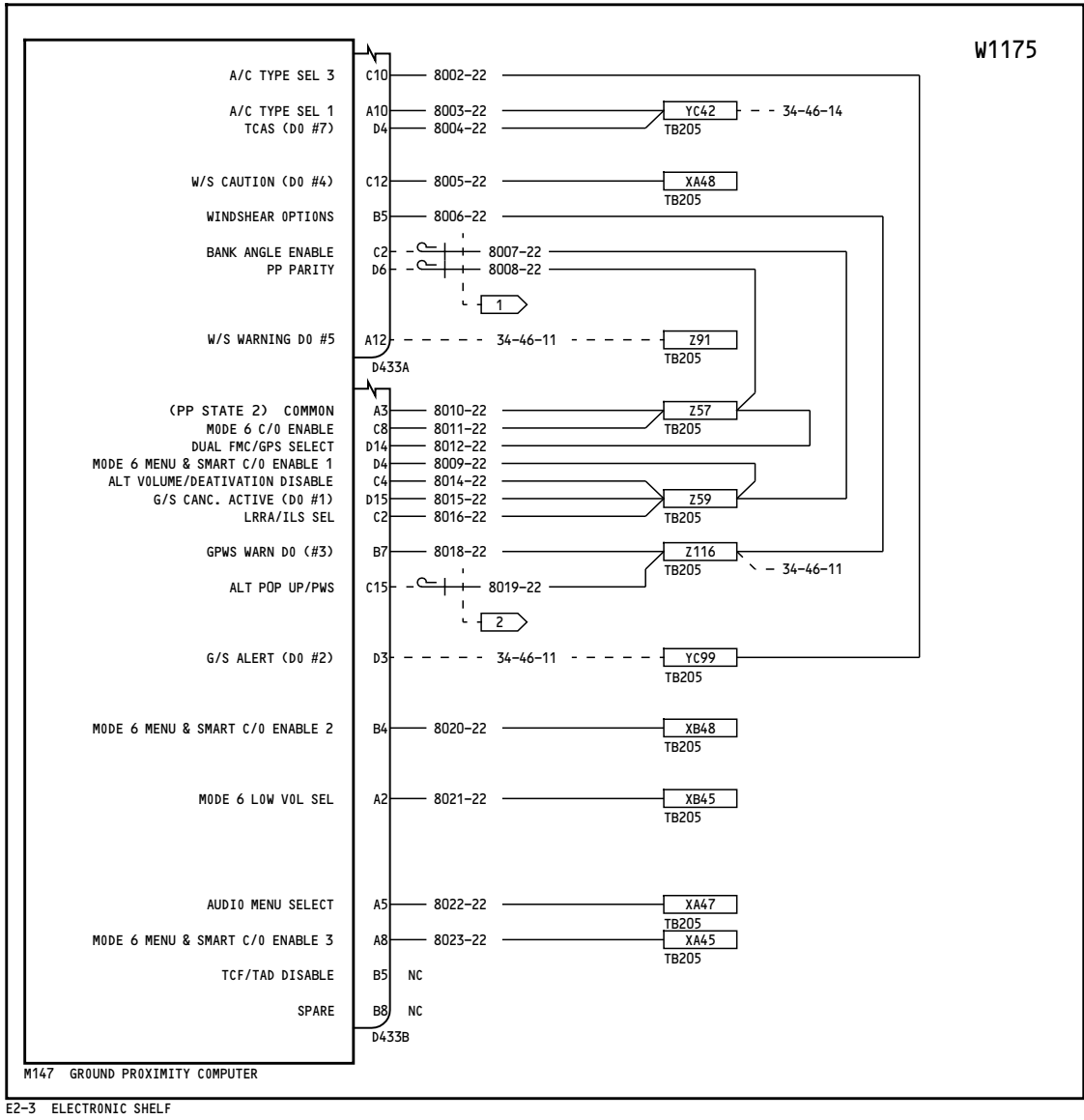
Page 2

Jan 21/2005



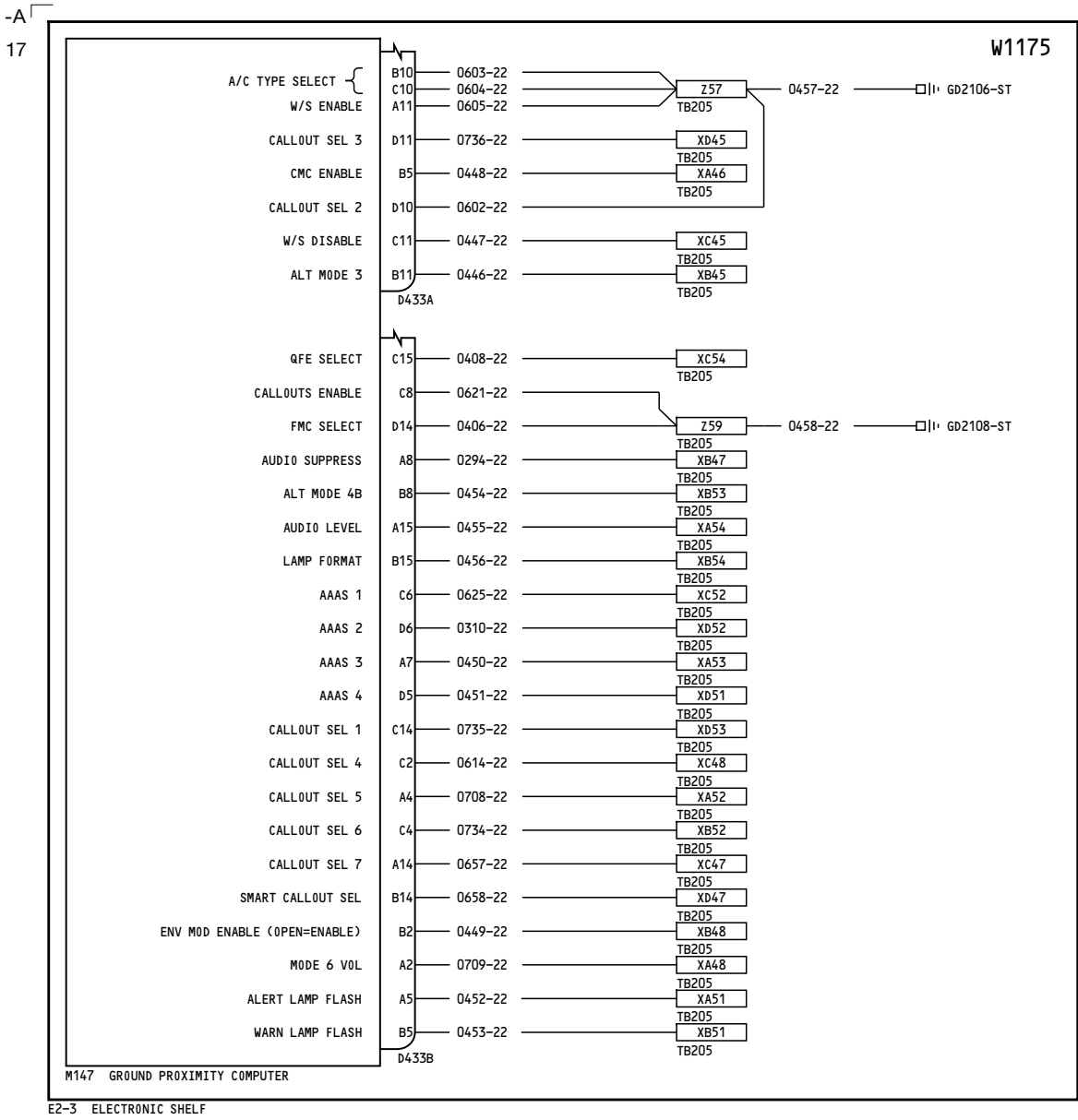


NOTES: 1 CAP AND STOW NEAR D433B



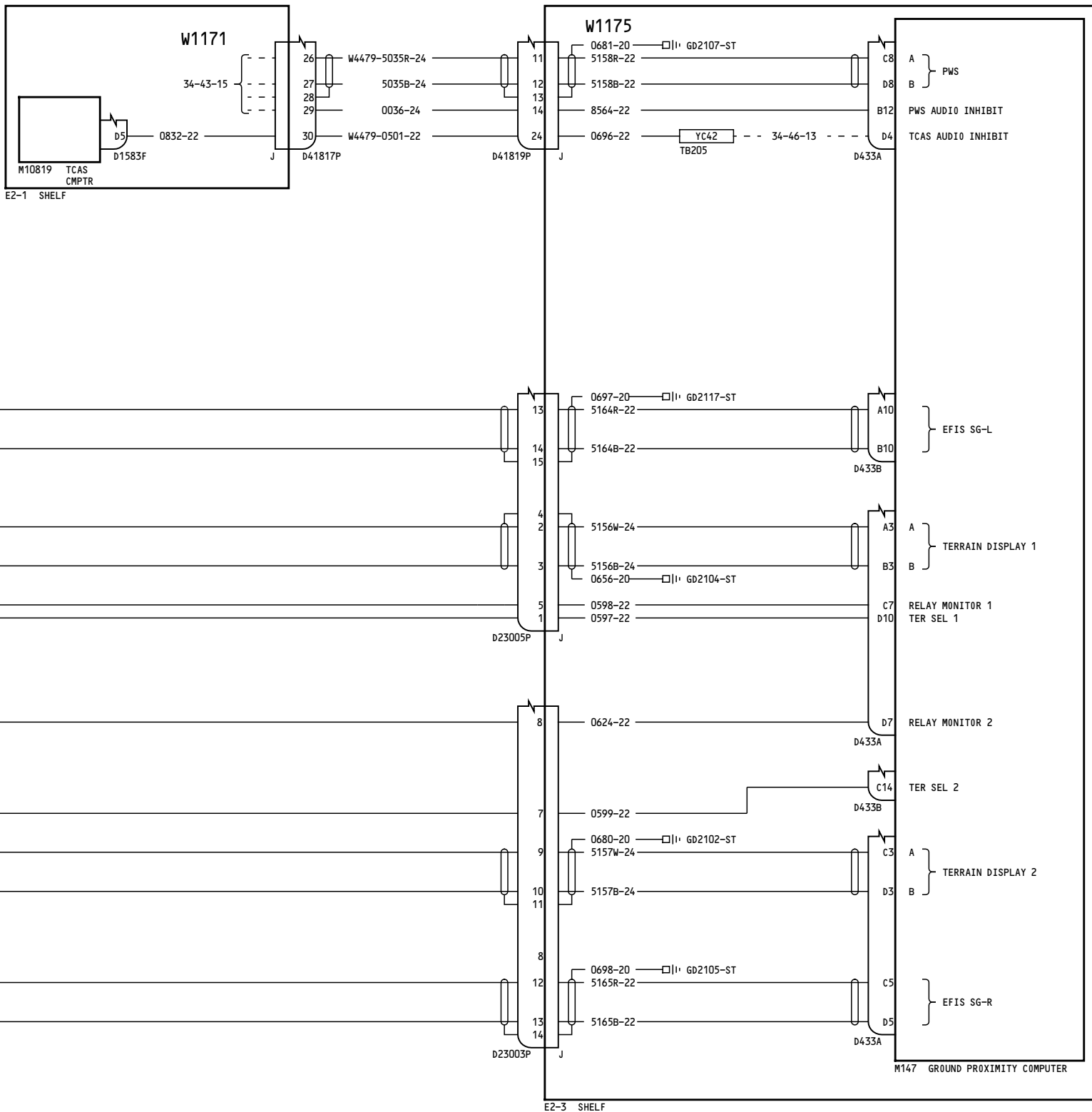
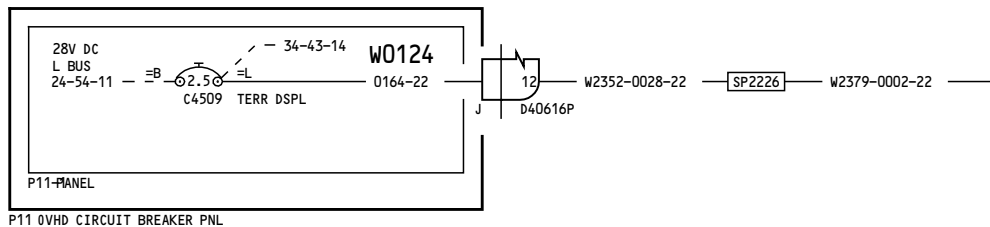
NOTES:

- 1 TAPE AND STOW NEAR D433A 2 TAPE AND STOW NEAR D433B





37



002

ENHANCED GROUND PROXIMITY WARNING SIGNAL

D280N032

34-46-14

Page 1.1

Jan 21/2005

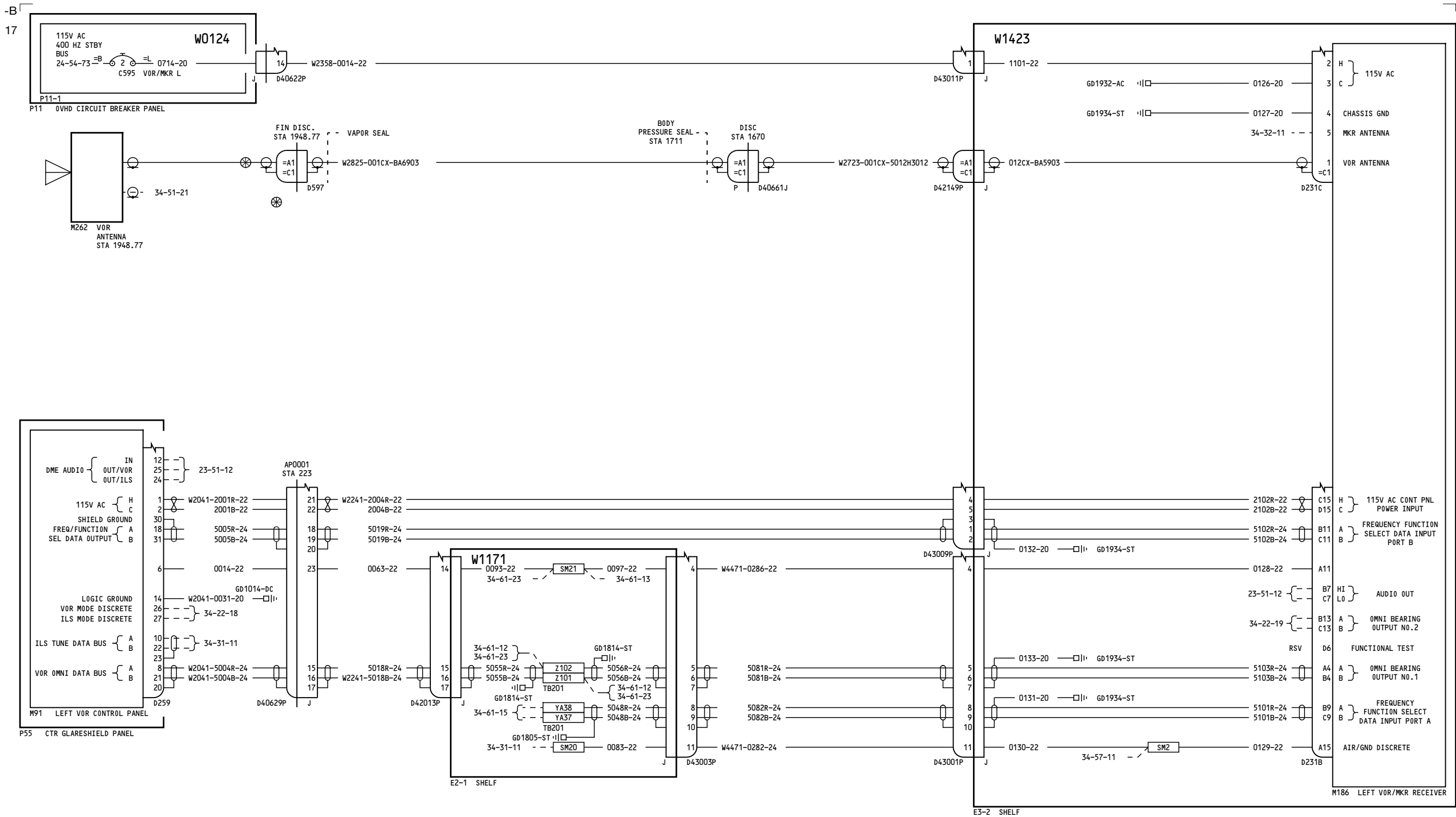
Incorporates
▶ 34-0200

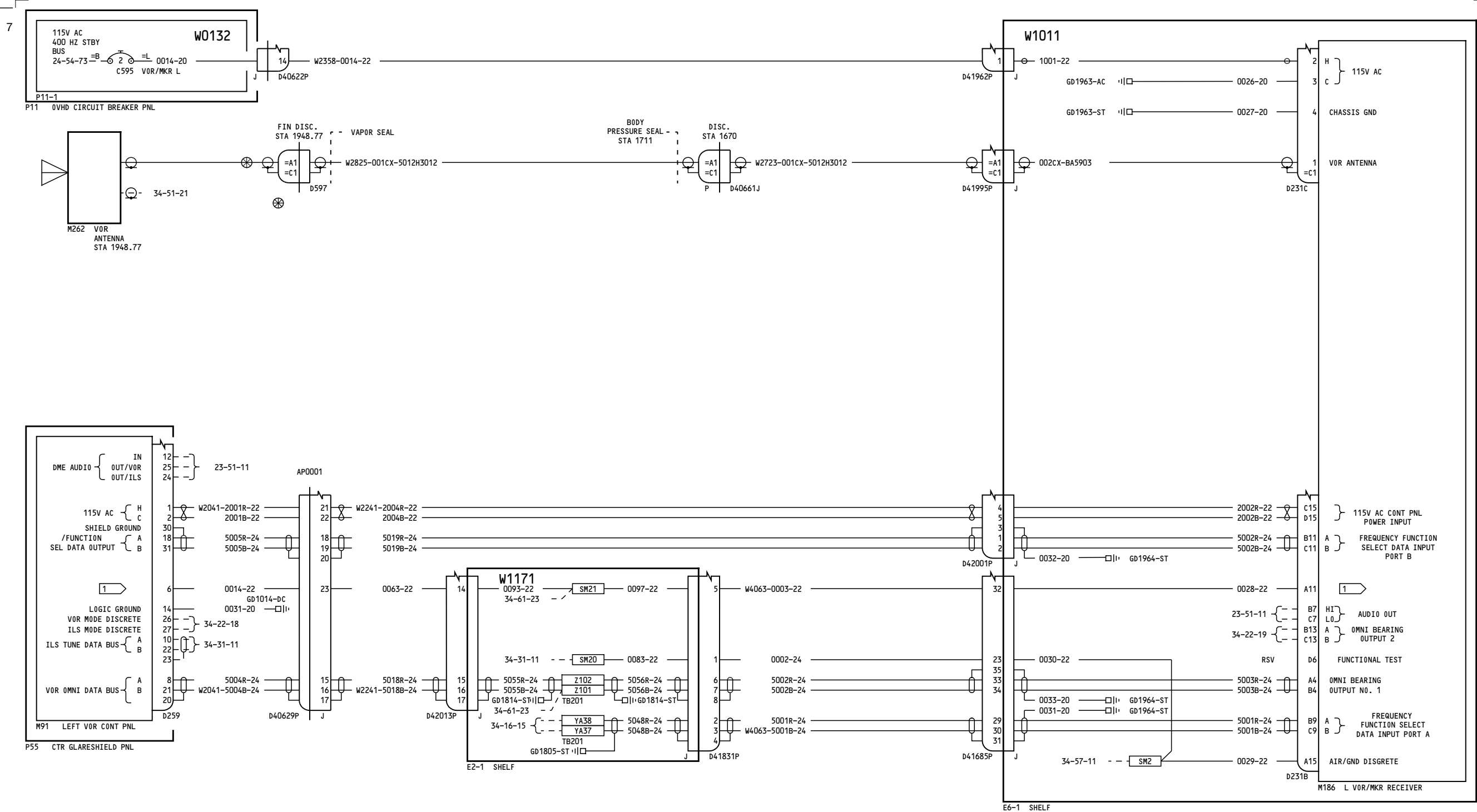
34-46-14

Page 1.1

Jan 21/2005

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details





NOTES:

1 → FREQUENCY FUNCTION DATA
SOURCE SELECT DISCRETE

115-199	VOR - LEFT
	D280N032

34-51-11

Page 2

Jan 21/2005

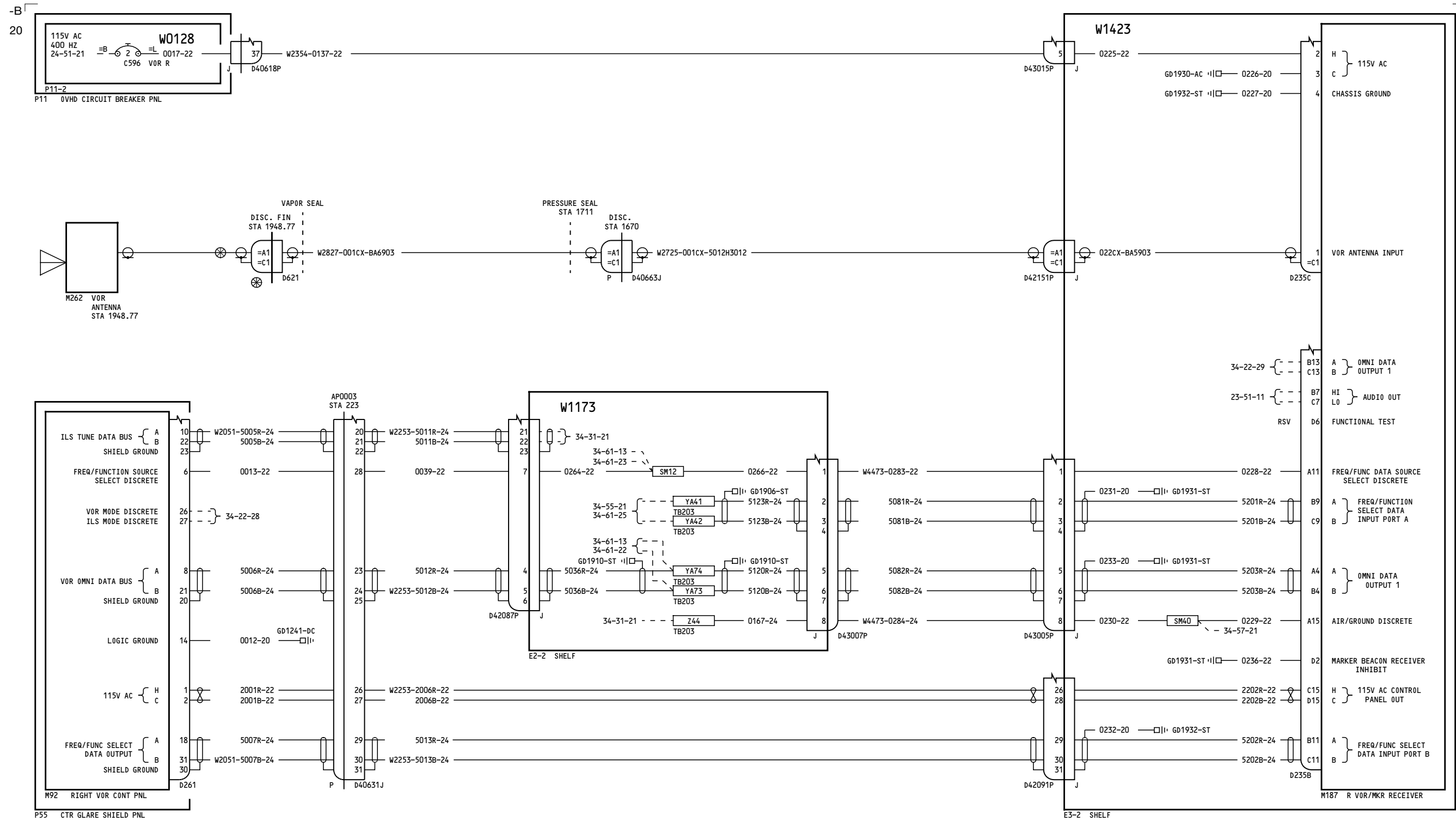
34-51-11

Page 2

Jan 21/2005



757-200 WIRING DIAGRAM MANUAL



001-099

VOR - RIGHT

34-51-21

Page 1

D280N032

Jan 21/2005

34-51-21

Page 1

Jan 21/2005



VOR - RIGHT

34-51-21

Page 2

Jan 21/2005

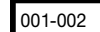
D280N032

34-51-21

Page 2

Jan 21/2005





34-53-11

D280N032

Incorporates
▶ 27A0130 R01

34-53-11

Jan 21/2005

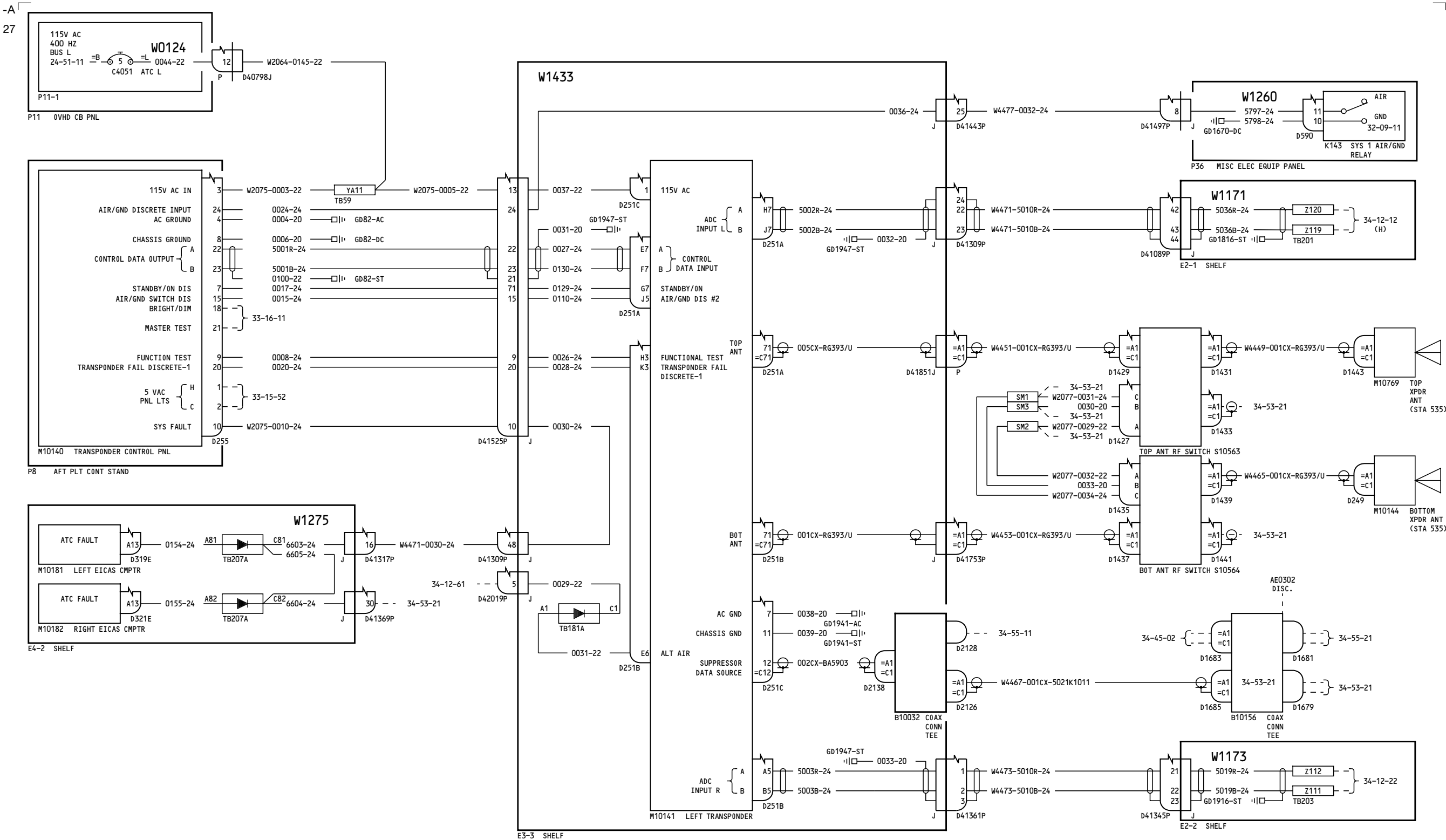


34-53-11

D280N032

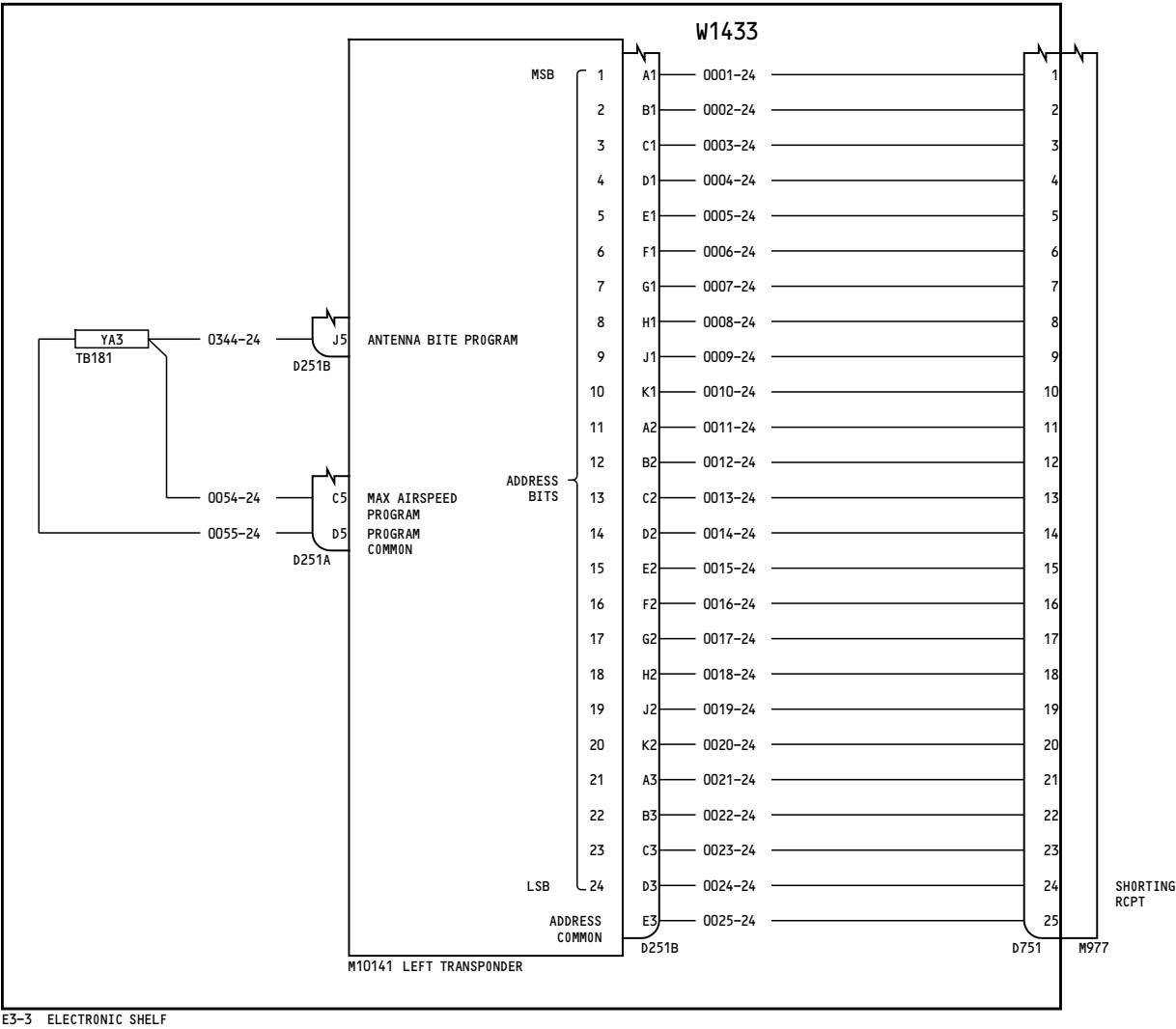
34-53-11

Jan 21/2005



1

ADDRESS BIT			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
AIRPLANE	CODE		D251B AND D253B																							
	REGISTRY	OCTAL	A1	B1	C1	D1	E1	F1	G1	H1	J1	K1	A2	B2	C2	D2	E2	F2	G2	H2	J2	K2	A3	B3	C3	D3
NB321	G-000U	20002360	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0
NB322	XA-TAE	03200042	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
NB323	XA-SCB	03200075	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1
NB324	EI-CEY	23120107	0	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	1	1	1
NB325	B-2831	36000062	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	
NB326	EI-CEZ	23120110	0	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0
NB327	B-2826	36000055	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	
NB328	B-2827	36000056	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	
NB329	G-000X	20002463	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	1	1
NB330	EI-CJX	23120150	0	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0
NB331	EI-CJY	23120151	0	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	1	1	0	1	0	0	1

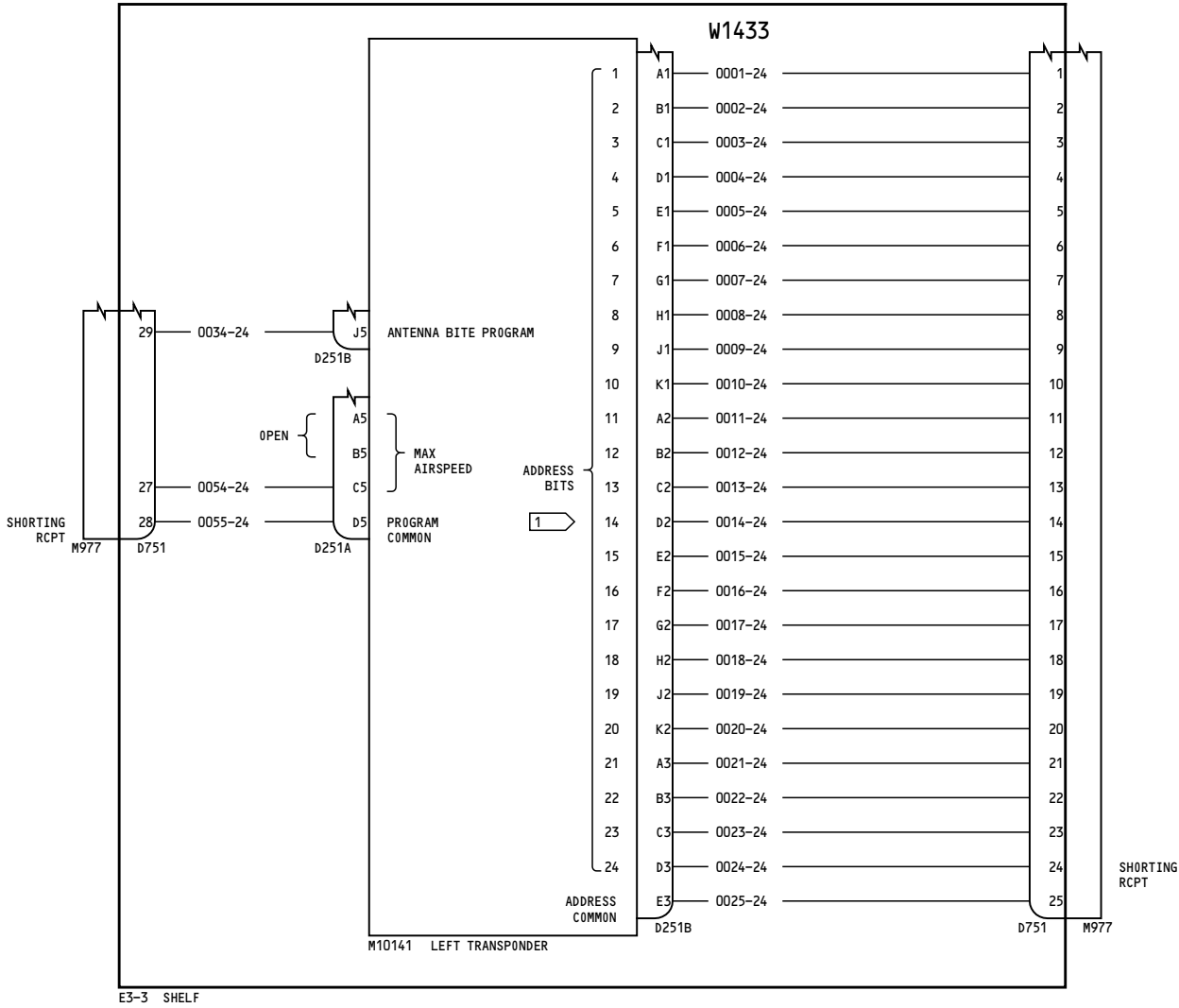


NOTES:

1 FOR EACH MODE S ADDRESS BIT DESIGNATED AS "1", CONNECT THE CORRESPONDING CONNECTOR PIN BETWEEN D751 AND D251B.

001-099	MODE S TRANSPONDER - LEFT ADDRESS AND AIRSPEED CODING
	D280N032

-C
23



1

ADDRESS BITS			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	CODE		D251B																							
AIRPLANE	0CTAL	REGISTRY	A1	B1	C1	D1	E1	F1	G1	H1	J1	K1	A2	B2	C2	D2	E2	F2	G2	H2	J2	K2	A3	B3	C3	D3
NA341	20002064	G-BRJG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NA342	20002065	G-BRJH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NA343	20002066	G-BRJI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NA344	20002067	G-BRJJ	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	1	1
NA345	15010403	EC-667	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1
NA346	52432156	N757E	1	0	1	0	1	0	1	0	0	0	1	1	0	1	0	0	0	1	1	0	1	1	1	0
NA347	14000024	I-AEJA	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
NA348	15010424	EC-957	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0
NA349	36750001	B-2835	0	1	1	1	1	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
NA350	20002430	G-IEAC	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0
NA351	20002433	G-BUDX	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	1	1
NA352	20002434	G-BUDZ	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	0	0

NOTES:

1 FOR EACH MODE S ADDRESS BIT DESIGNATED AS "1" CONNECT WIRE BETWEEN D251B AND D751.

115-199

MODE S TRANSPONDER - LEFT
ADDRESS AND AIRSPEED
CODING

D280N032

34-53-12

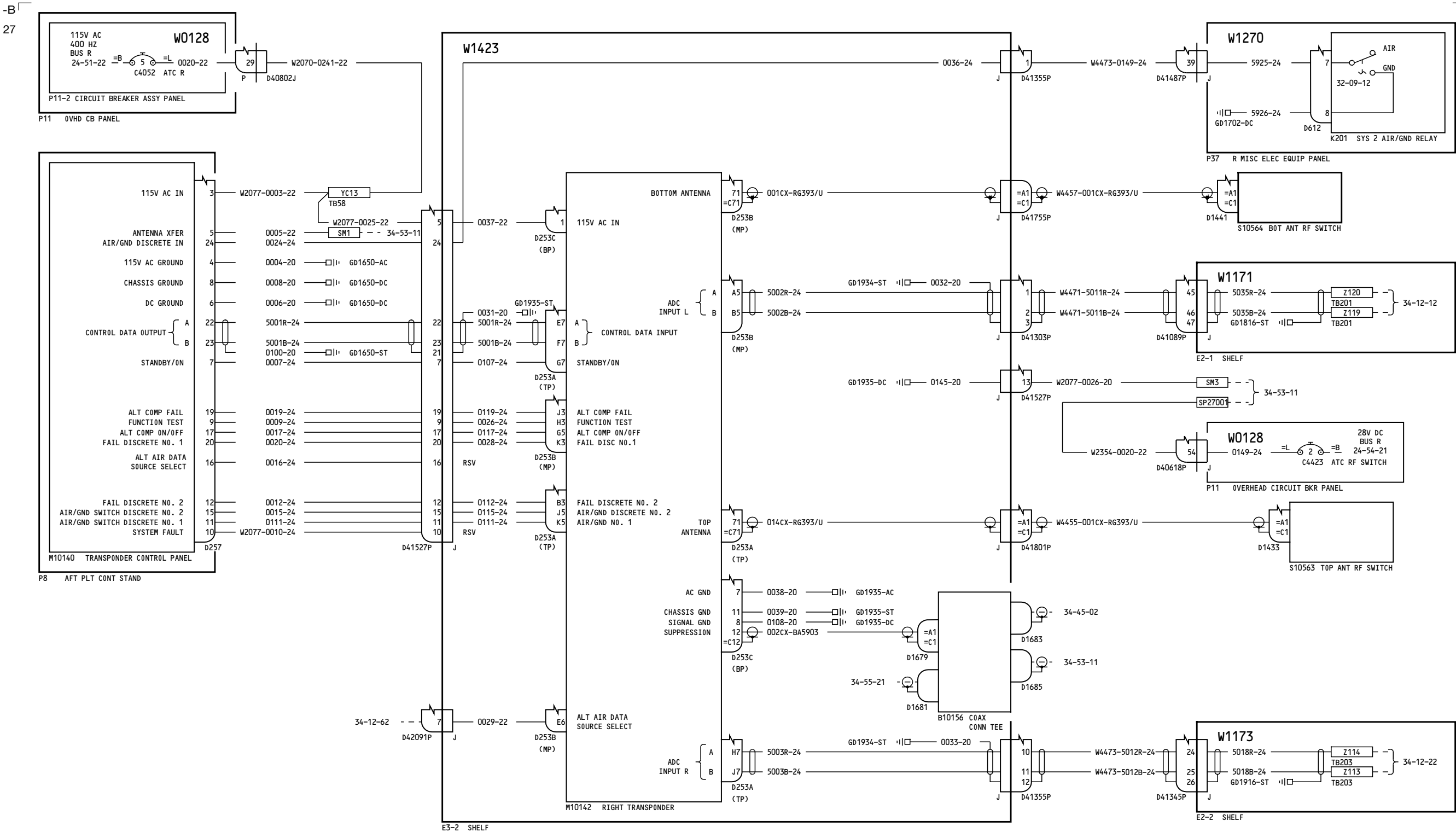
Page 2

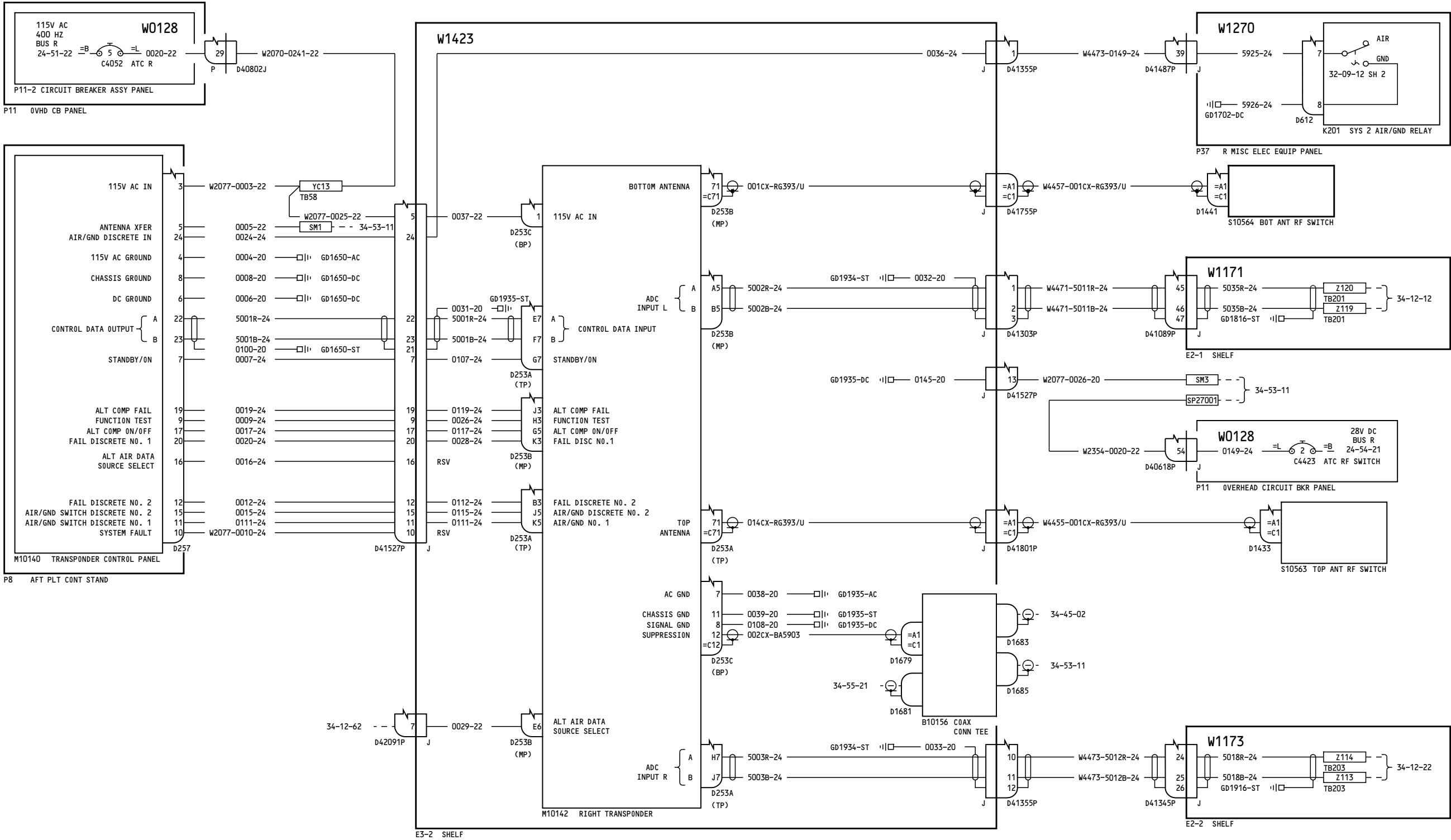
Jan 21/2005

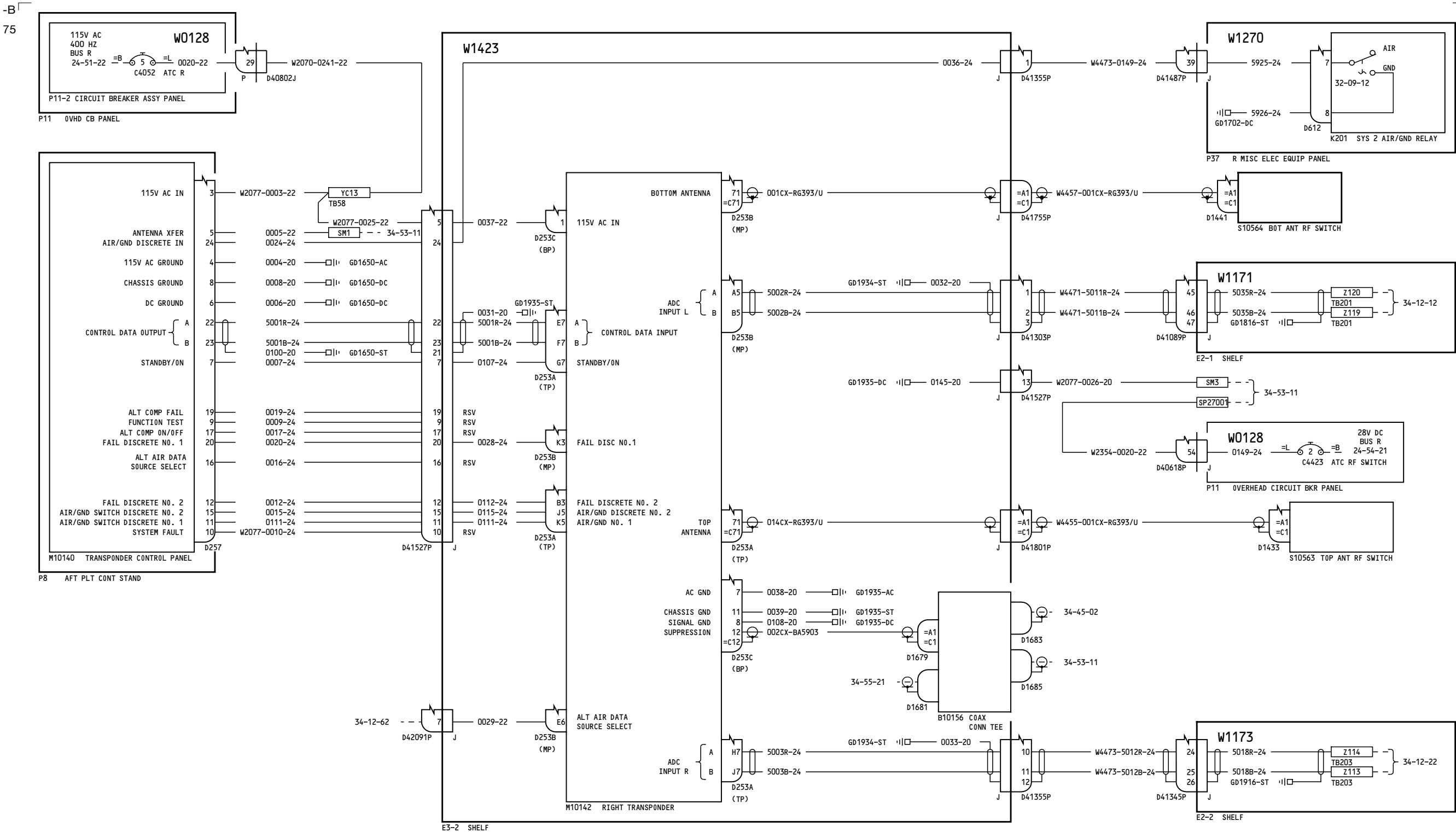
34-53-12

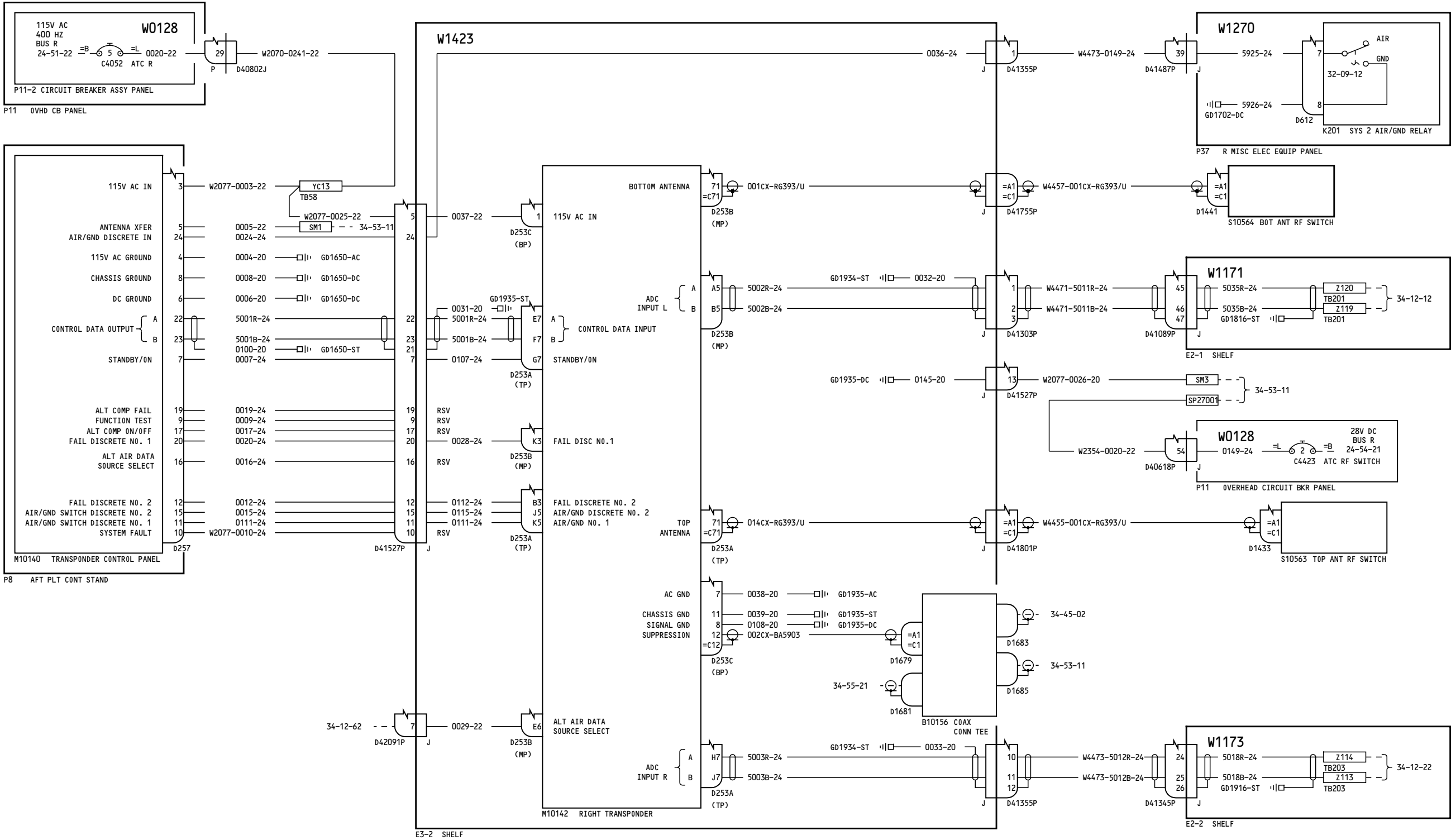
Page 2

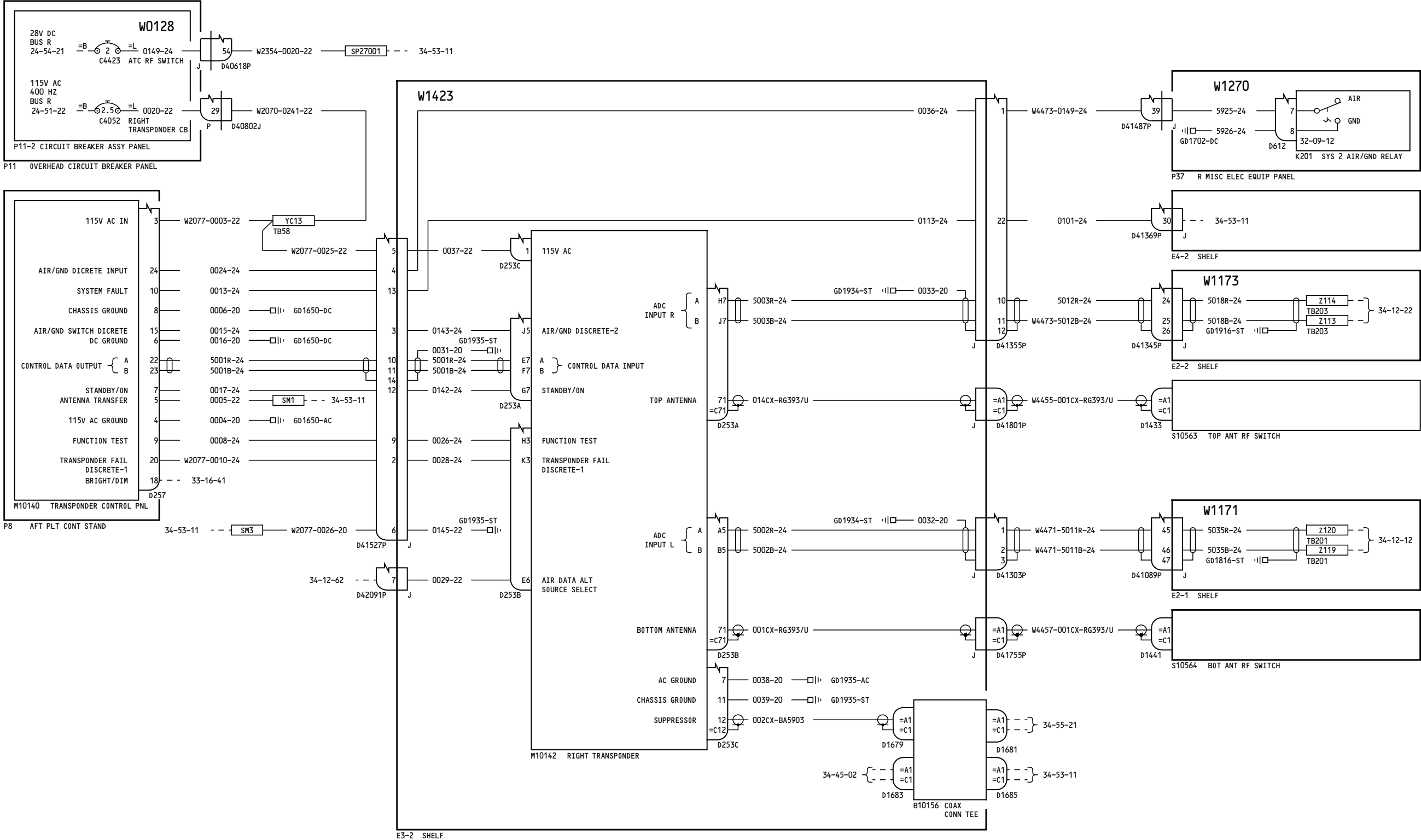
Jan 21/2005













TRANSPONDER SYSTEM - RIGHT

D280N032

34-53-21

Page 3.1

Jan 21/2005

Incorporates
▶ 34A0222

34-53-21

Page 3.1

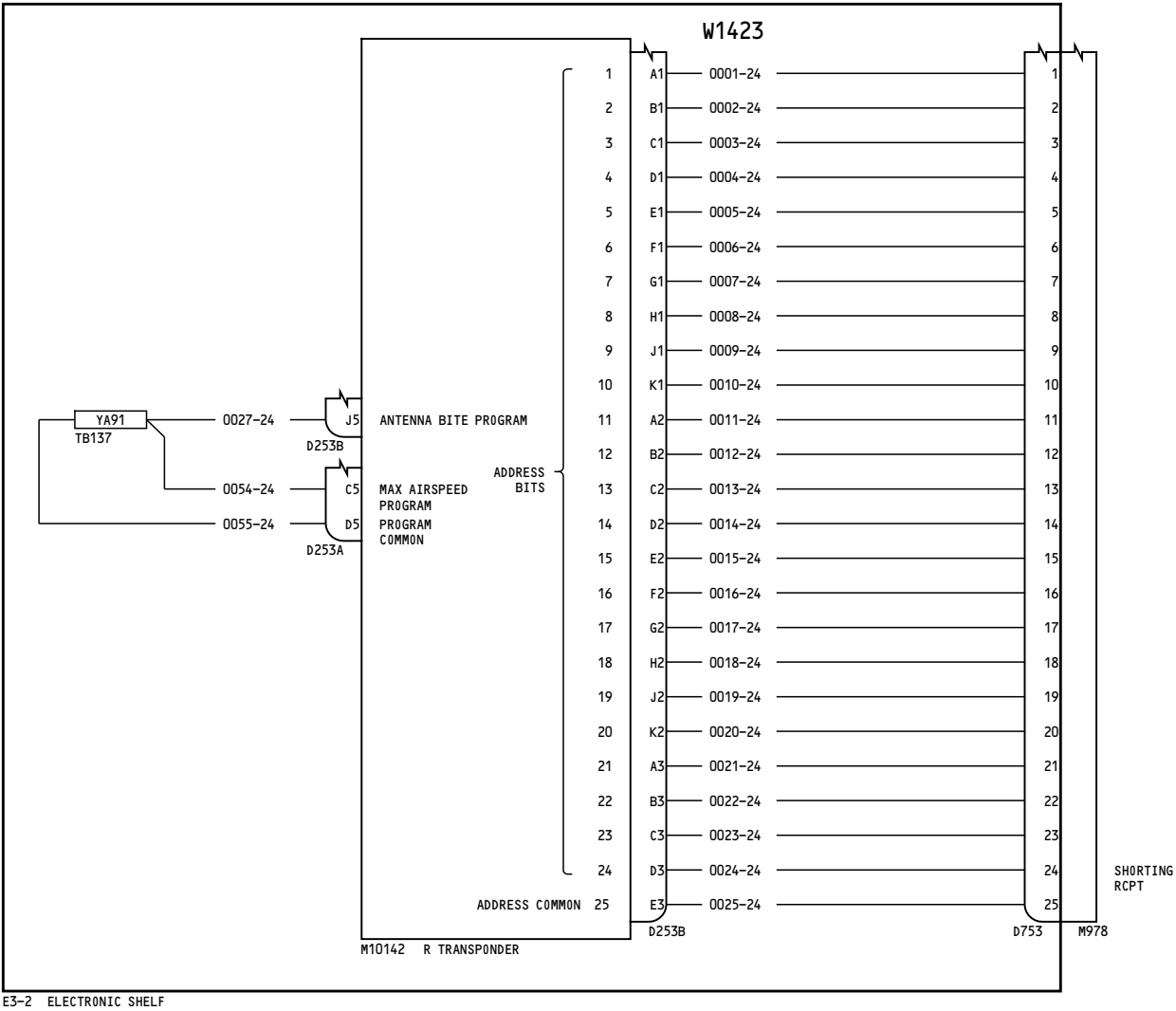
Jan 21/2005



-A
31

1

ADDRESS BIT			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
AIRPLANE	CODE		D2538																							
	REGISTRY	OCTAL	A1	B1	C1	D1	E1	F1	G1	H1	J1	K1	A2	B2	C2	D2	E2	F2	G2	H2	J2	K2	A3	B3	C3	D3
NB321	G-000U	20002360	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0
NB322	XA-TAE	03200042	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
NB323	XA-SCB	03200075	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1
NB324	EI-CEY	23120107	0	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	1	1	1
NB325	B-2831	36000062	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
NB326	EI-CEZ	23120110	0	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0
NB327	B-2826	36000055	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
NB328	B-2827	36000056	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0
NB329	G-000X	20002463	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	1	1	1
NB330	EI-CJX	23120150	0	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0
NB331	EI-CJY	23120151	0	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	1	1	0	1	0	0	1



NOTES:

1 FOR EACH MODE S ADDRESS BIT DESIGNATED AS "1",
CONNECT THE CORRESPONDING CONNECTOR PIN BETWEEN
D753 AND D253B.

001-099

MODE S TRANSPONDER -
RIGHT ADDRESS AND
AIRSPEED CODING

D280N032

34-53-22

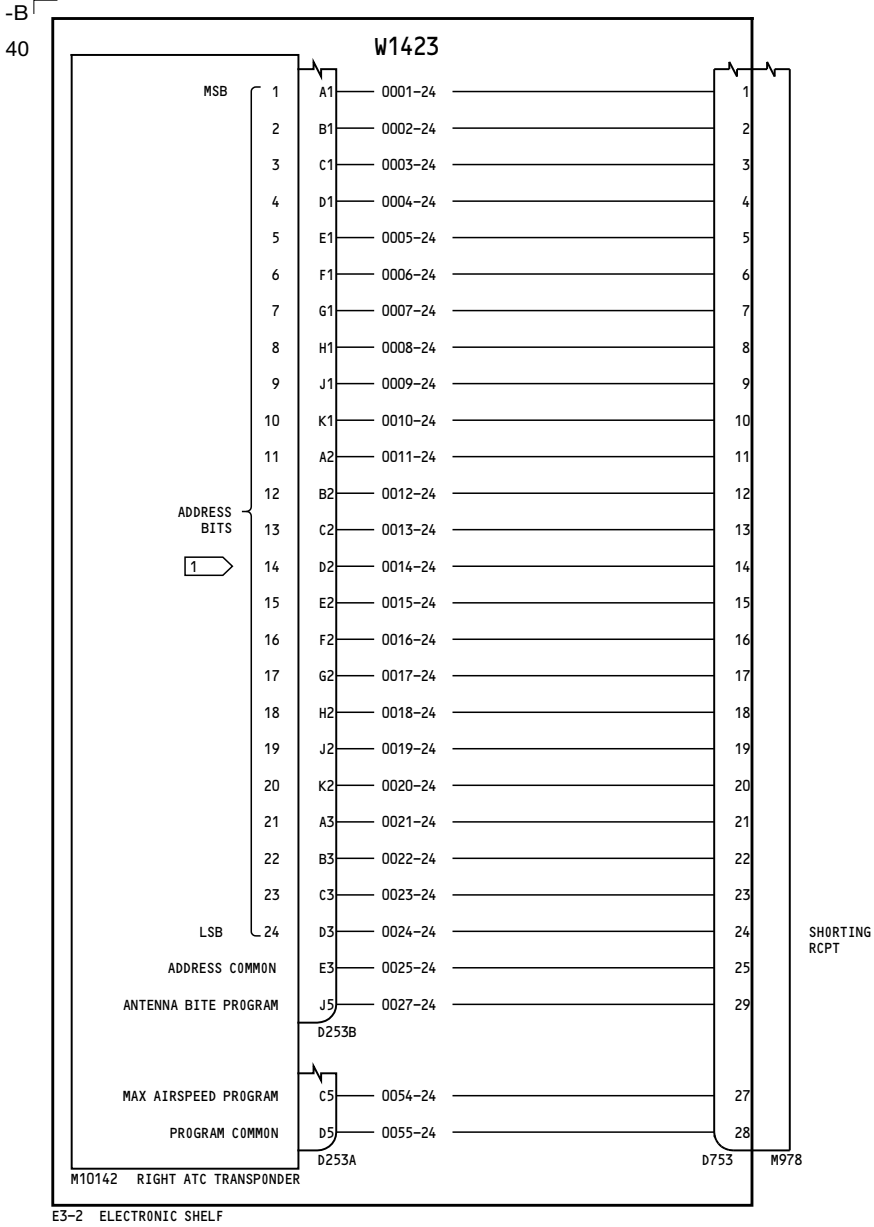
Page 1

Jan 21/2005

34-53-22

Page 1

Jan 21/2005

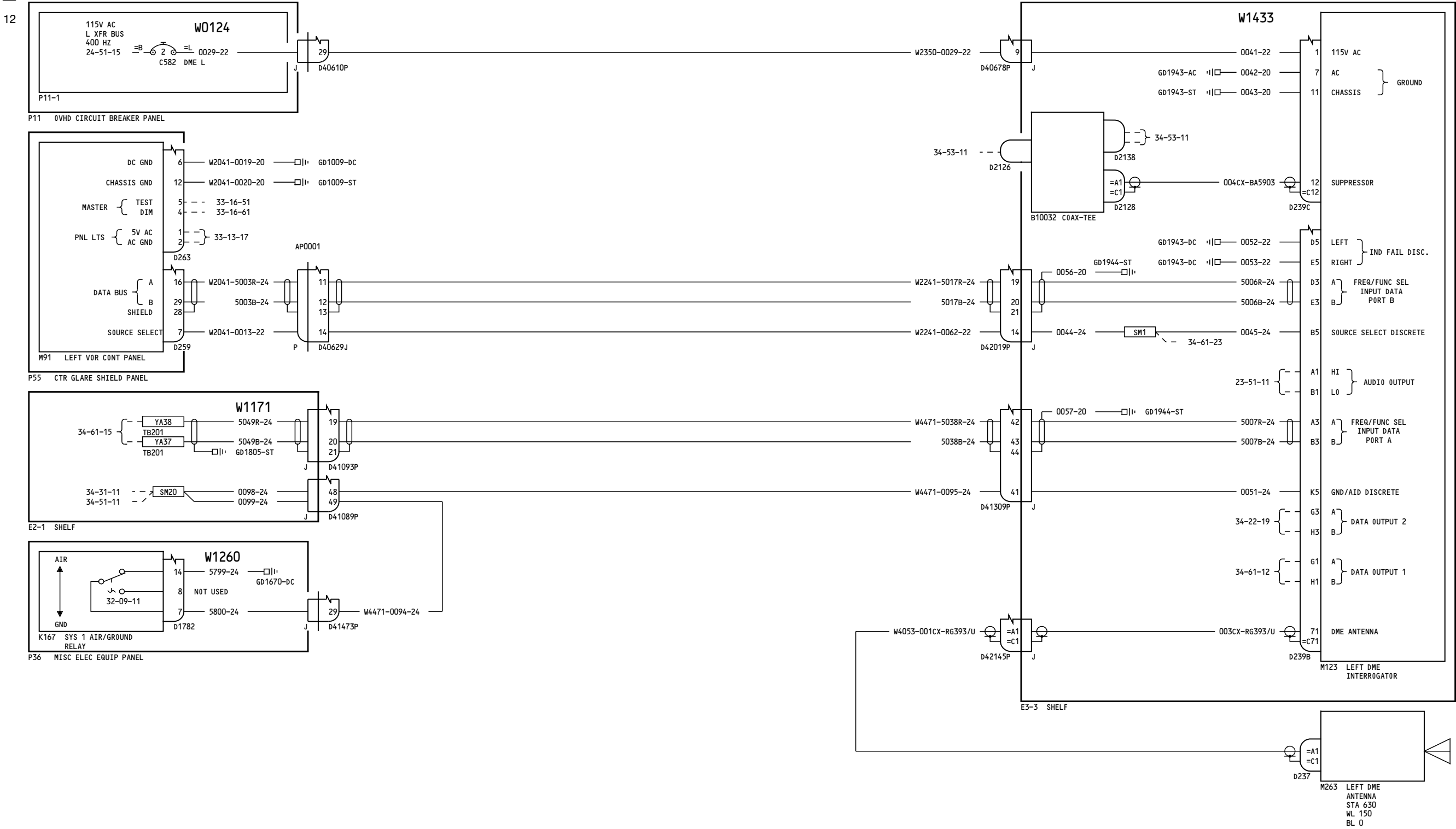


1

ADDRESS BITS			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	CODE		D253B																							
AIRPLANE	OCTAL	REGISTRY	A1	B1	C1	D1	E1	F1	G1	H1	J1	K1	A2	B2	C2	D2	E2	F2	G2	H2	J2	K2	A3	B3	C3	D3
NA341	20002064	G-BRJ-G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NA342	20002065	G-BRJ-H	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NA343	20002066	G-BRJI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NA344	20002067	GBRJJ	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	1	1
NA345	15010403	EC-667	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1
NA346	52432156	N757E	1	0	1	0	1	0	1	0	0	0	1	1	0	1	0	0	0	1	1	0	1	1	1	0
NA347	14000024	I-AEJA	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
NA348	15010424	EC-957	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0
NA349	36750001	B-2835	0	1	1	1	1	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
NA350	20002430	G-IEAC	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0
NA351	20002433	GBUDX	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	1	1

NOTES:

1 FOR EACH MODE S ADDRESS BIT DESIGNATED AS "1" CONNECT WIRE BETWEEN D253B AND D753.



001-002

DME - LEFT

34-55-11

Page 1

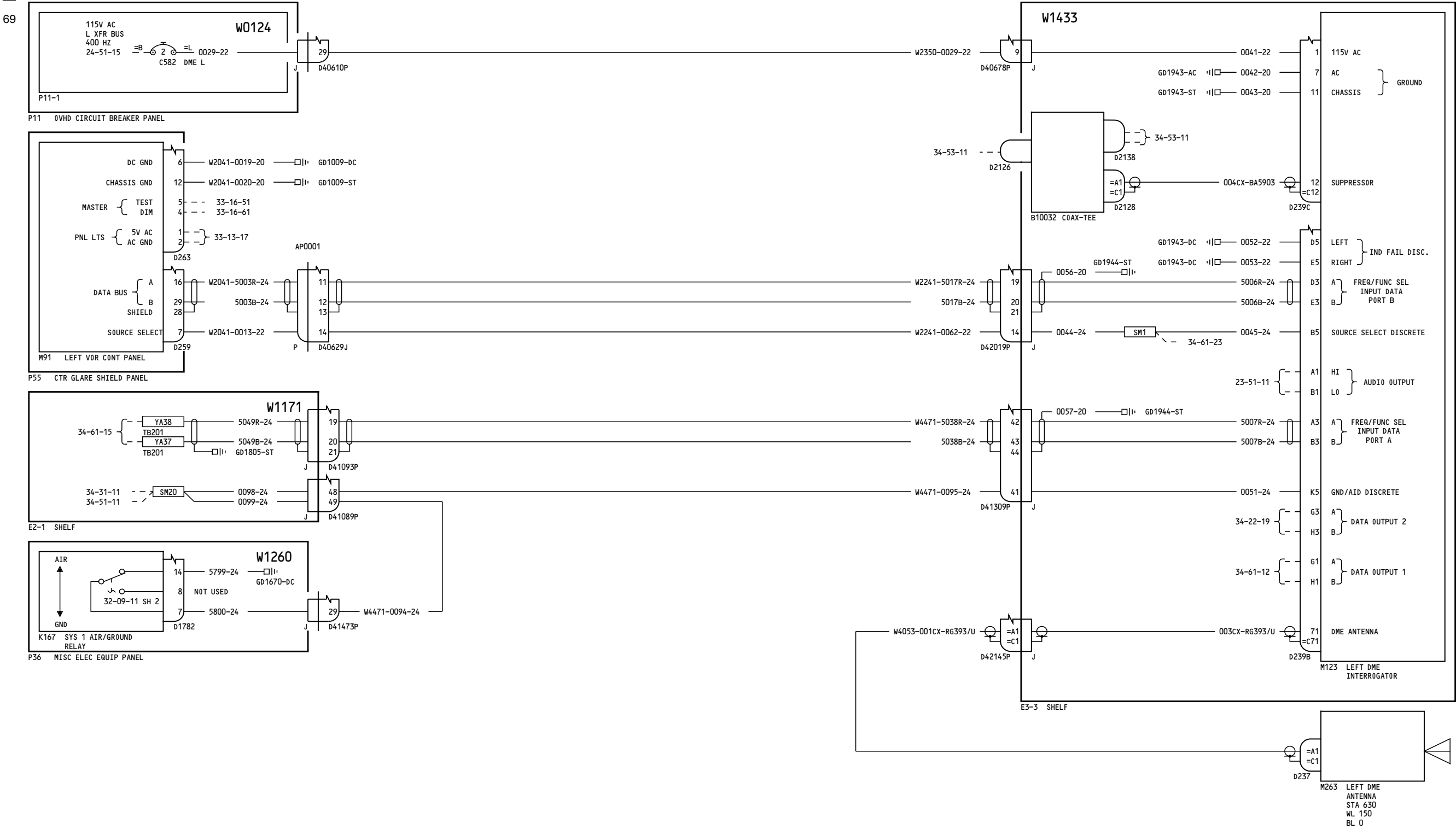
D280N032

Jan 21/2005

34-55-11

Page 1

Jan 21/2005



001-002

DME - LEFT

34-55-11

Page 1.1

D280N032

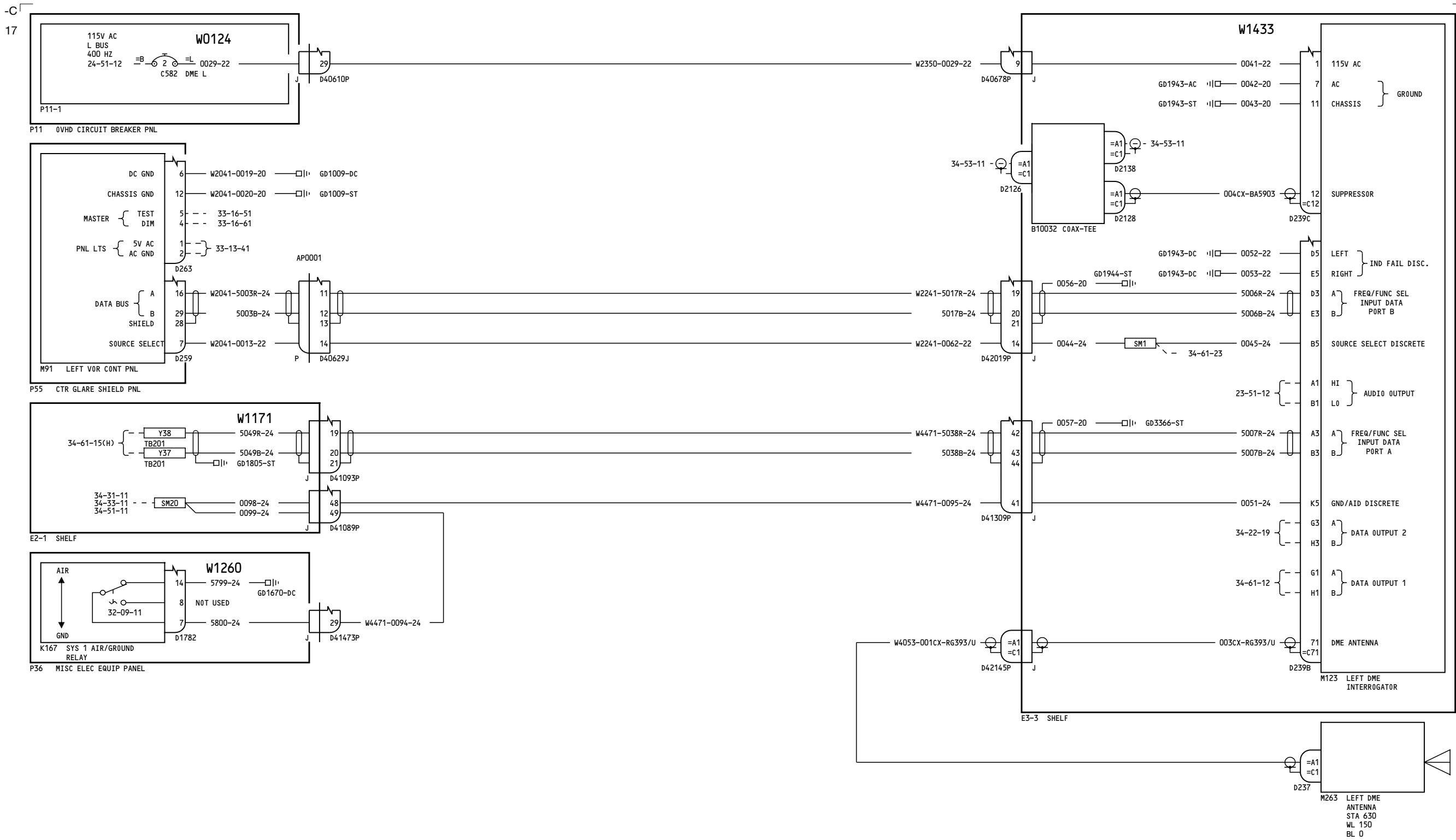
Jan 21/2005

Incorporates
27A0130 R01

34-55-11

Page 1.1

Jan 21/2005



003-099

DME - LEFT

34-55-11

Page 2

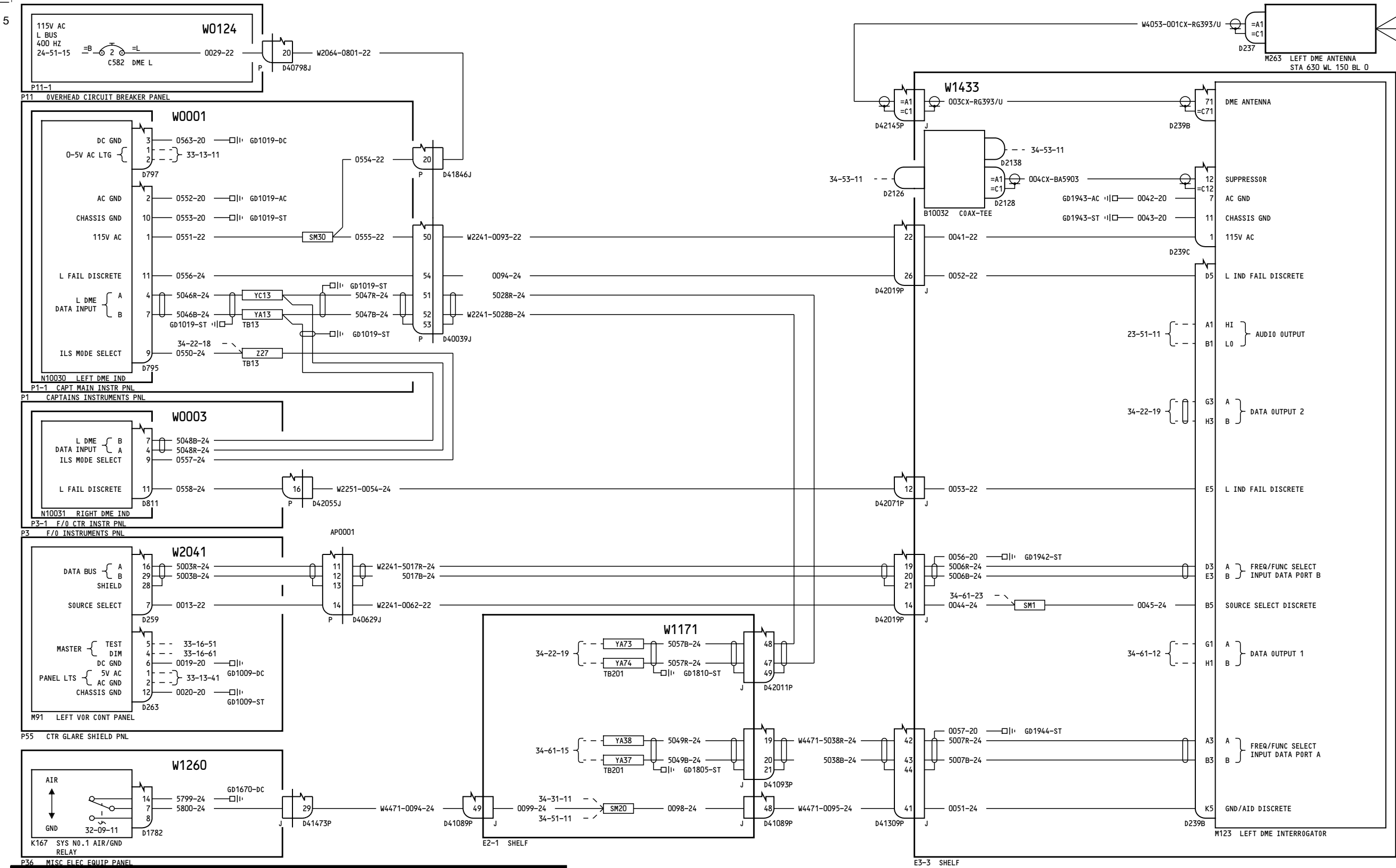
D280N032

Jan 21/2005

34-55-11

Page 2

Jan 21/2005



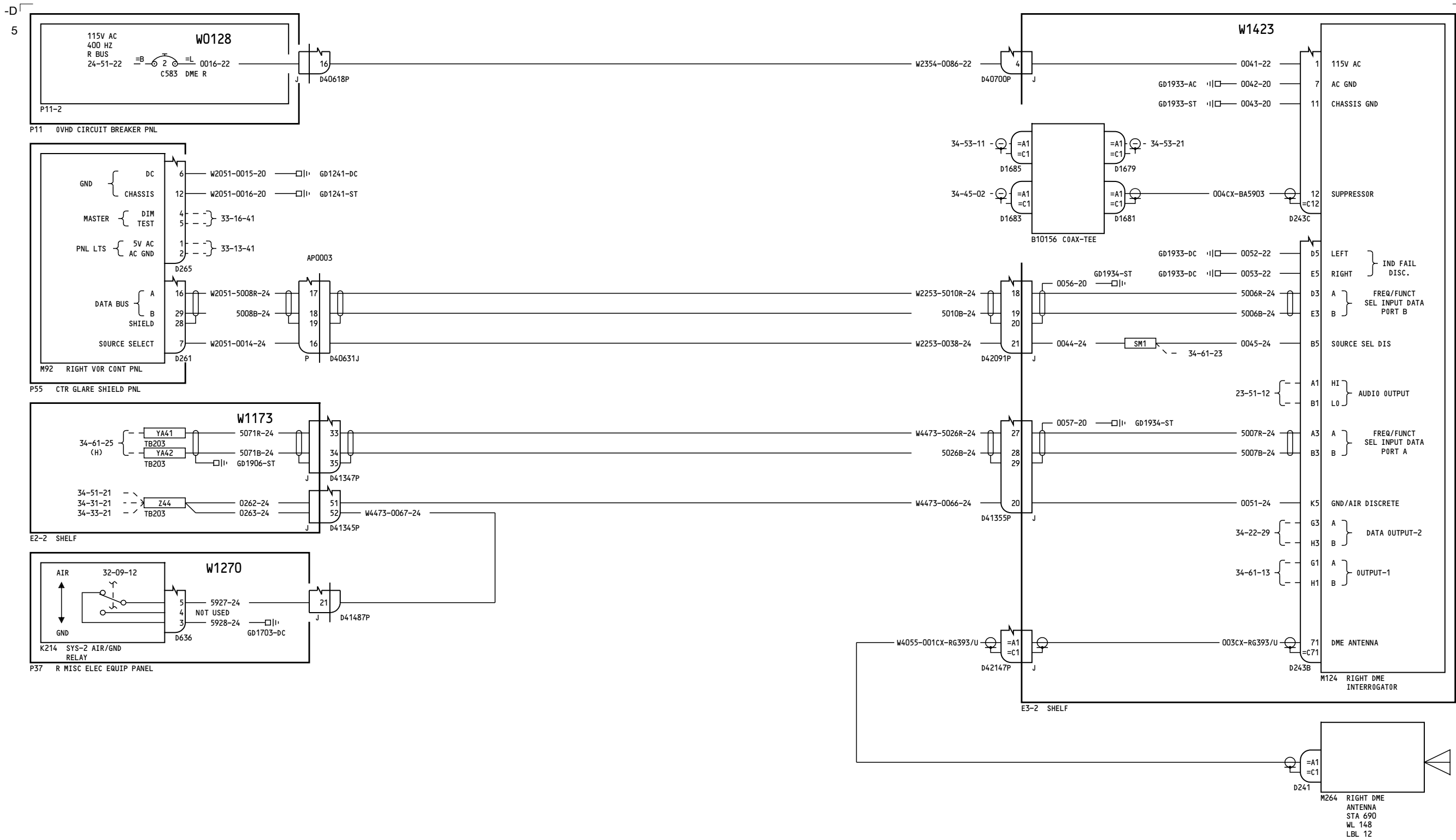
115-199

D280N032

34-55-11

Page 3

Jan 21/2005



001-099

DME - RIGHT

34-55-21

Page 1

D280N032

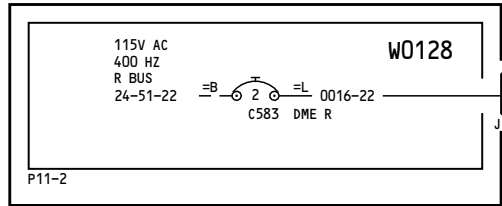
Jan 21/2005

34-55-21

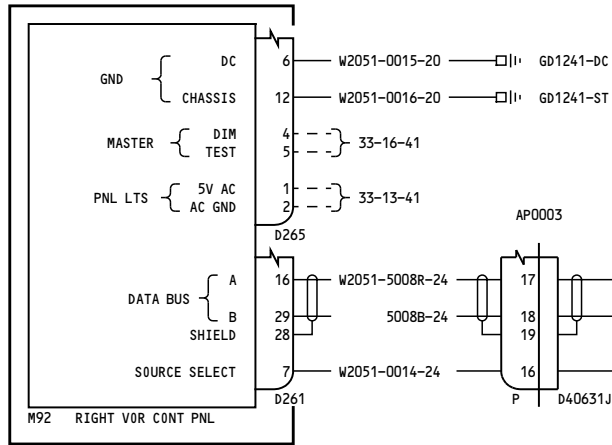
Page 1

Jan 21/2005

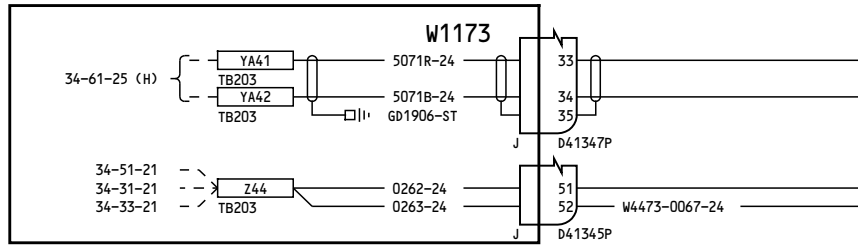
48



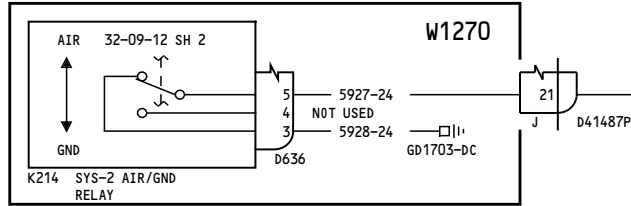
P11 OVHD CIRCUIT BREAKER PNL



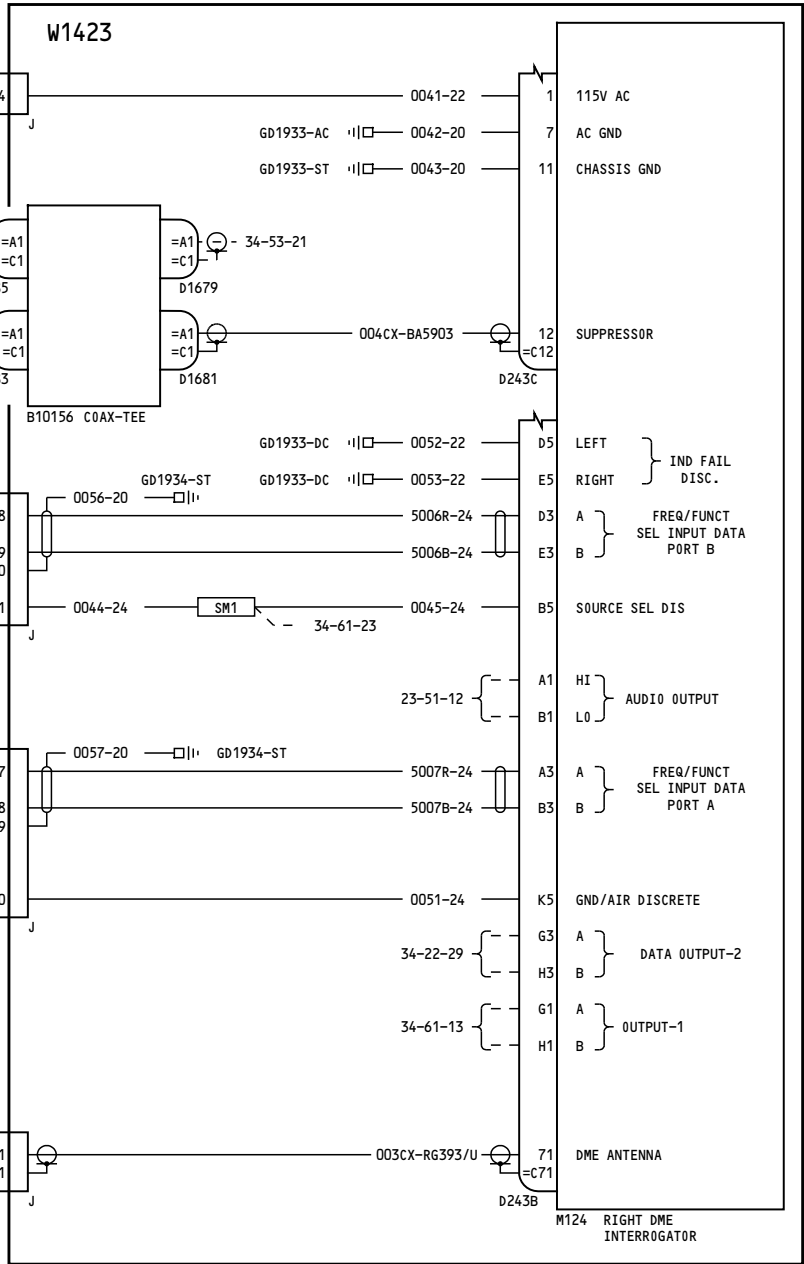
P55 CTR GLARE SHIELD PNL



E2-2 SHELF



P37 R MISC ELEC EQUIP PANEL



E3-2 SHELF

001-002

DME - RIGHT

34-55-21

Page 1.1

D280N032

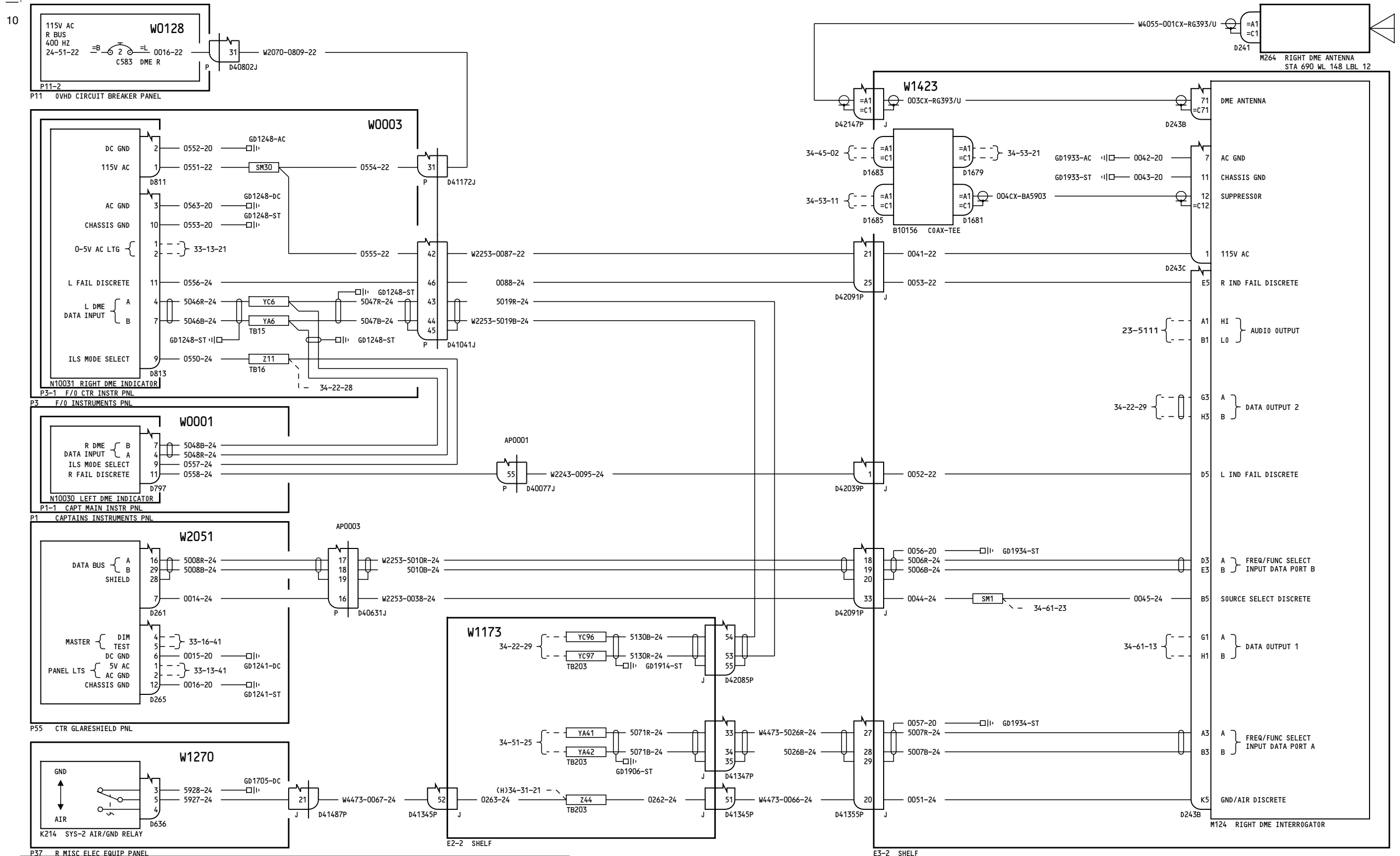
Jan 21/2005

Incorporates
27A0130 R01

34-55-21

Page 1.1

Jan 21/2005



115-199

DME - RIGHT

34-55-21

Page 2

Jan 21/2005

D280N032

34-55-21

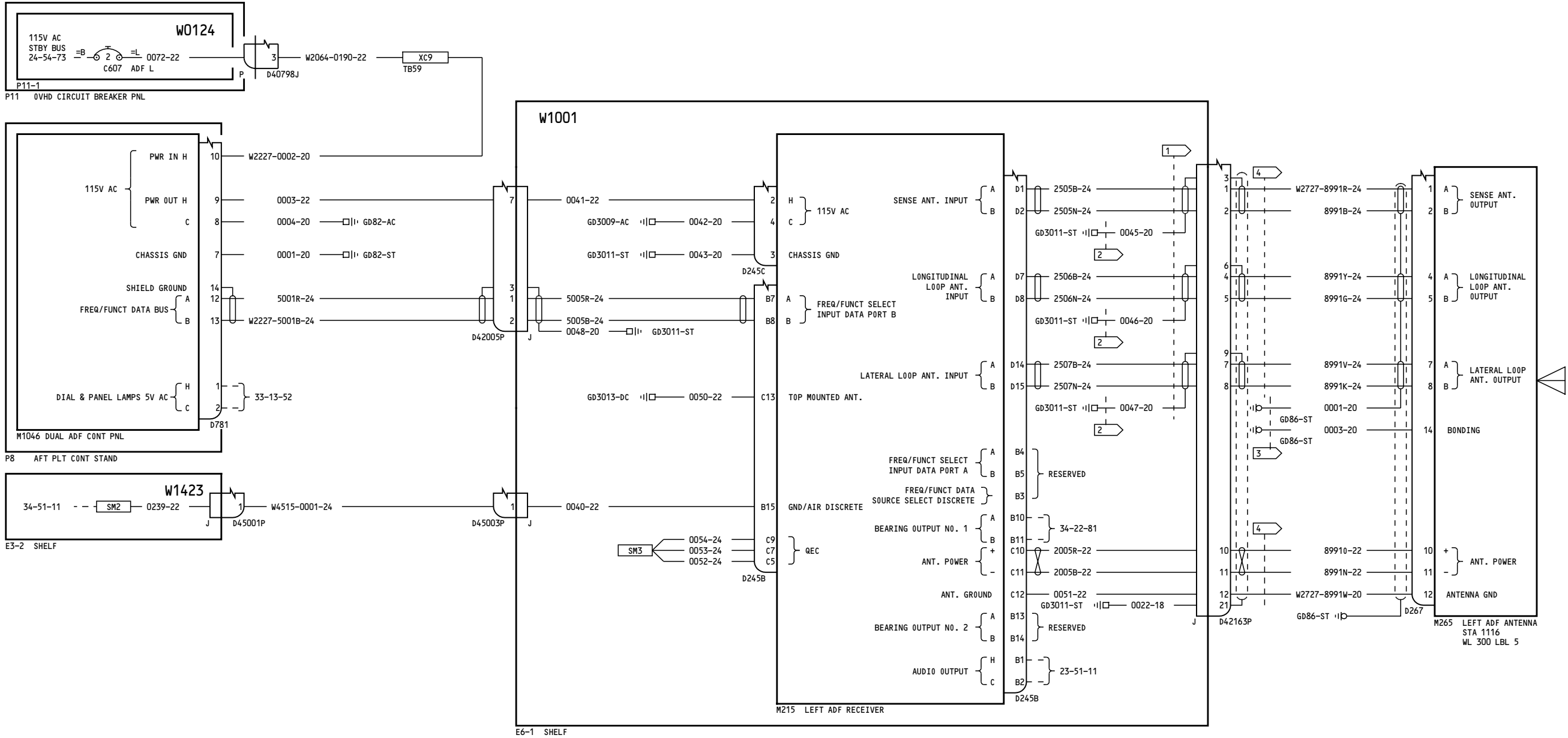
Page 2

Jan 21/2005



- 1 HAVEG #51-04570 "VN" TYPE
- 2 SHIELD ON THE CABLE MUST NOT BE STRIPPED BACK TO EXPOSE MORE THAN 2 INCHES OF THE SIGNAL WIRES. SHIELD PIGTAIL MUST NOT EXCEED 1 FOOT, 6 INCHES
- 3 LENGTH OF GROUND WIRE SHALL NOT EXCEED 1 FOOT 6 INCHES
- 4 CHAMPLAIN-30-04749 ("V2" TYPE)

88



002

ADF - LEFT

34-57-11

Page 2

D280N032

Jan 21/2005

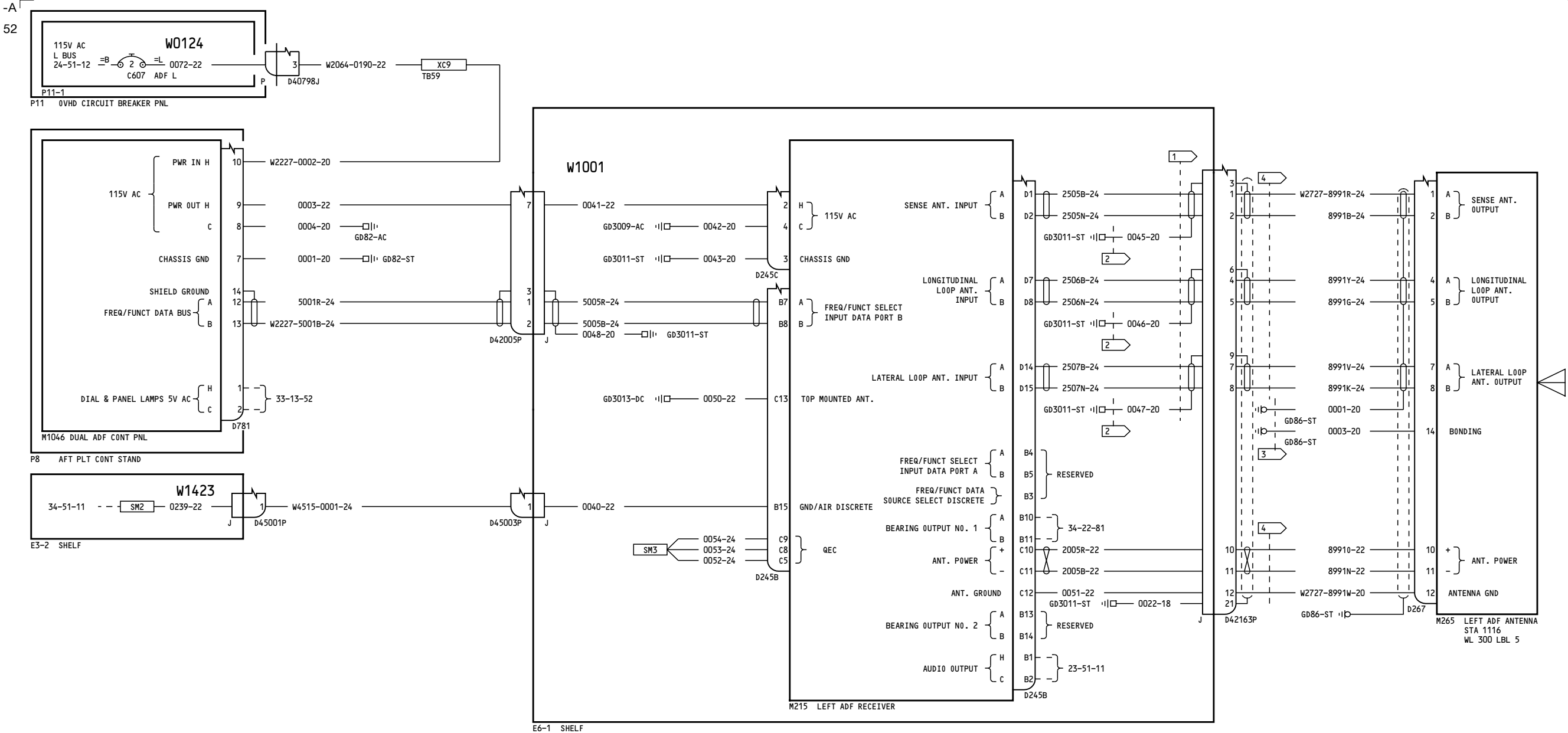
34-57-11

Page 2

Jan 21/2005

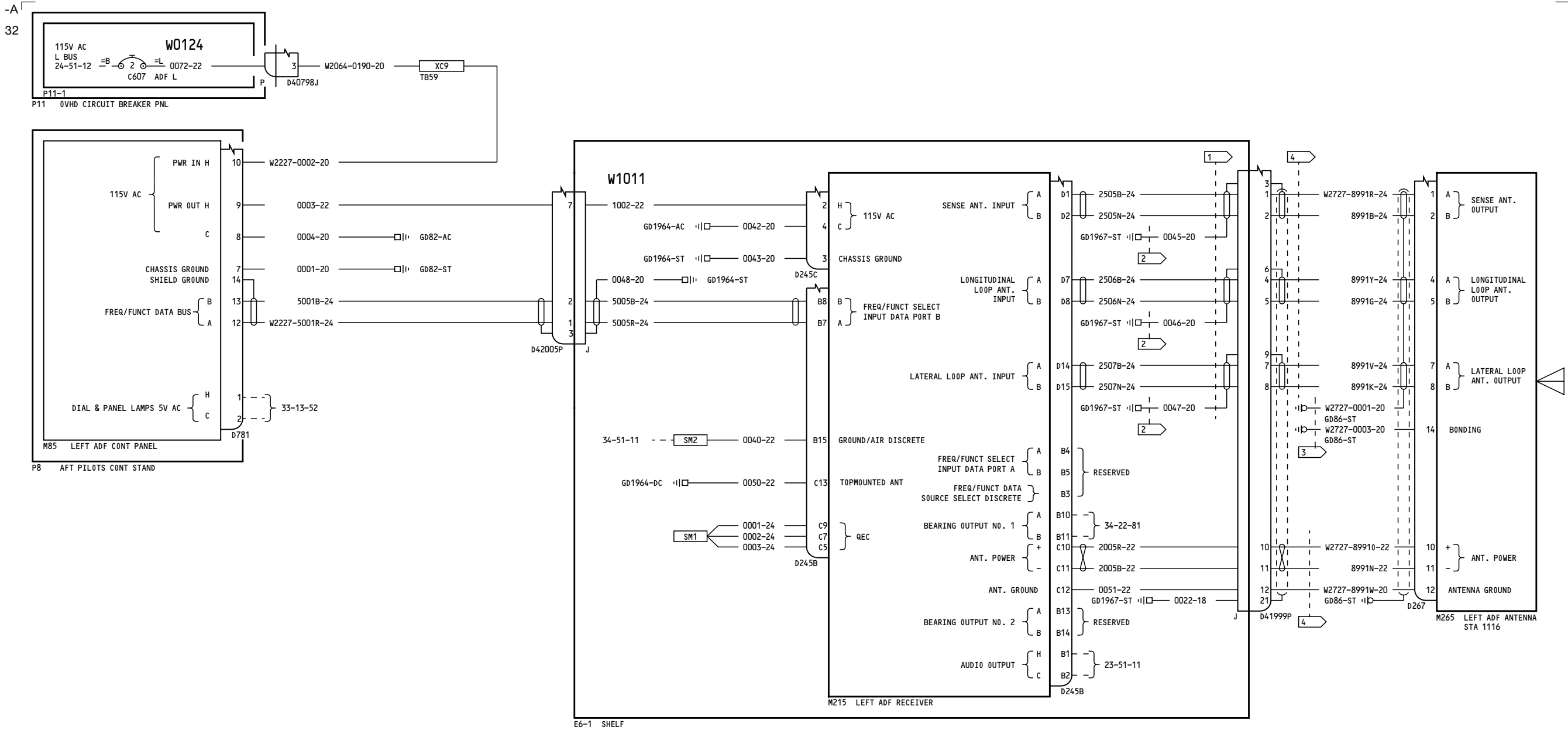


- 1 HAVEG #51-04570 "VN" TYPE
- 2 SHIELD ON THE CABLE MUST NOT BE STRIPPED BACK TO EXPOSE MORE THAN 2 INCHES OF THE SIGNAL WIRES. SHIELD PIGTAIL MUST NOT EXCEED 1 FOOT, 6 INCHES
- 3 LENGTH OF GROUND WIRE SHALL NOT EXCEED 1 FOOT 6 INCHES
- 4 CHAMPLAIN-30-04749 ("V2" TYPE)



NOTES:

- 1 HAVEG #51-04570 "VN" TYPE
- 2 SHIELD ON THE CABLE MUST NOT BE STRIPPED BACK TO EXPOSE MORE THAN 2 INCHES OF THE SIGNAL WIRES. SHIELD PIGTAIL MUST NOT EXCEED 1 FOOT, 6 INCHES
- 3 LENGTH OF GROUND WIRE SHALL NOT EXCEED 1 FOOT 6 INCHES
- 4 CHAMPLAIN-30-04749 ("V2" TYPE)



NOTES:

- 1 HAVEG #51-04570 "VN" TYPE.
- 2 SHIELD ON THE CABLE MUST NOT BE STRIPPED BACK TO EXPOSE MORE THAN 2 INCHES OF THE SIGNAL WIRES. SHIELD PIGTAIL MUST NOT EXCEED 1 FT 6 INCHES.
- 3 LENGTH OF GROUND WIRE SHALL NOT EXCEED 1 FEET 6 INCHES.
- 4 CHAMPLAIN 30-04749 ("V2" TYPE)

115-199	ADF - LEFT
	D280N032

34-57-11

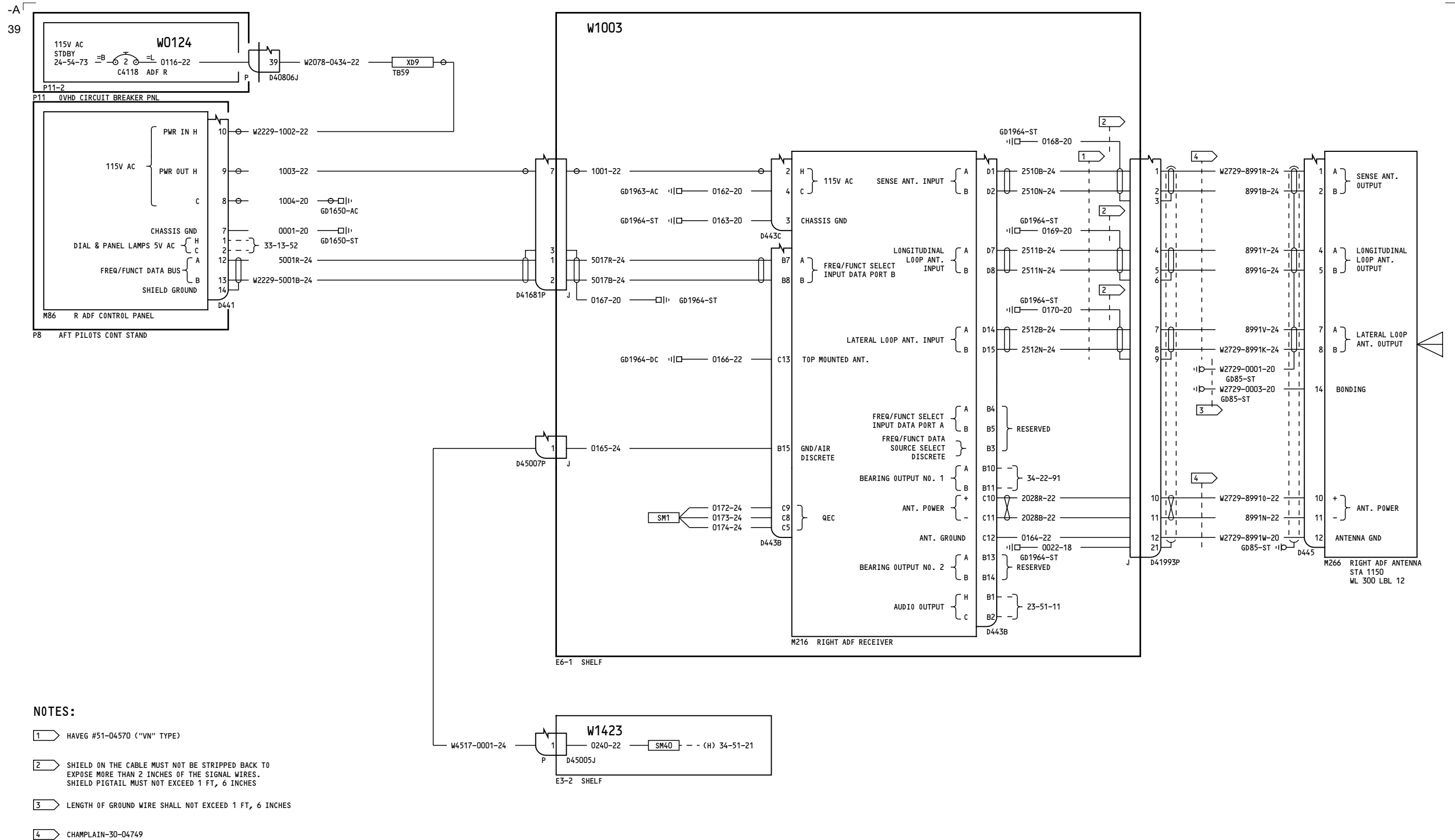
Page 5

Jan 21/2005

34-57-11

Page 5

Jan 21/2005



001

ADF - RIGHT

34-57-21

Page 1

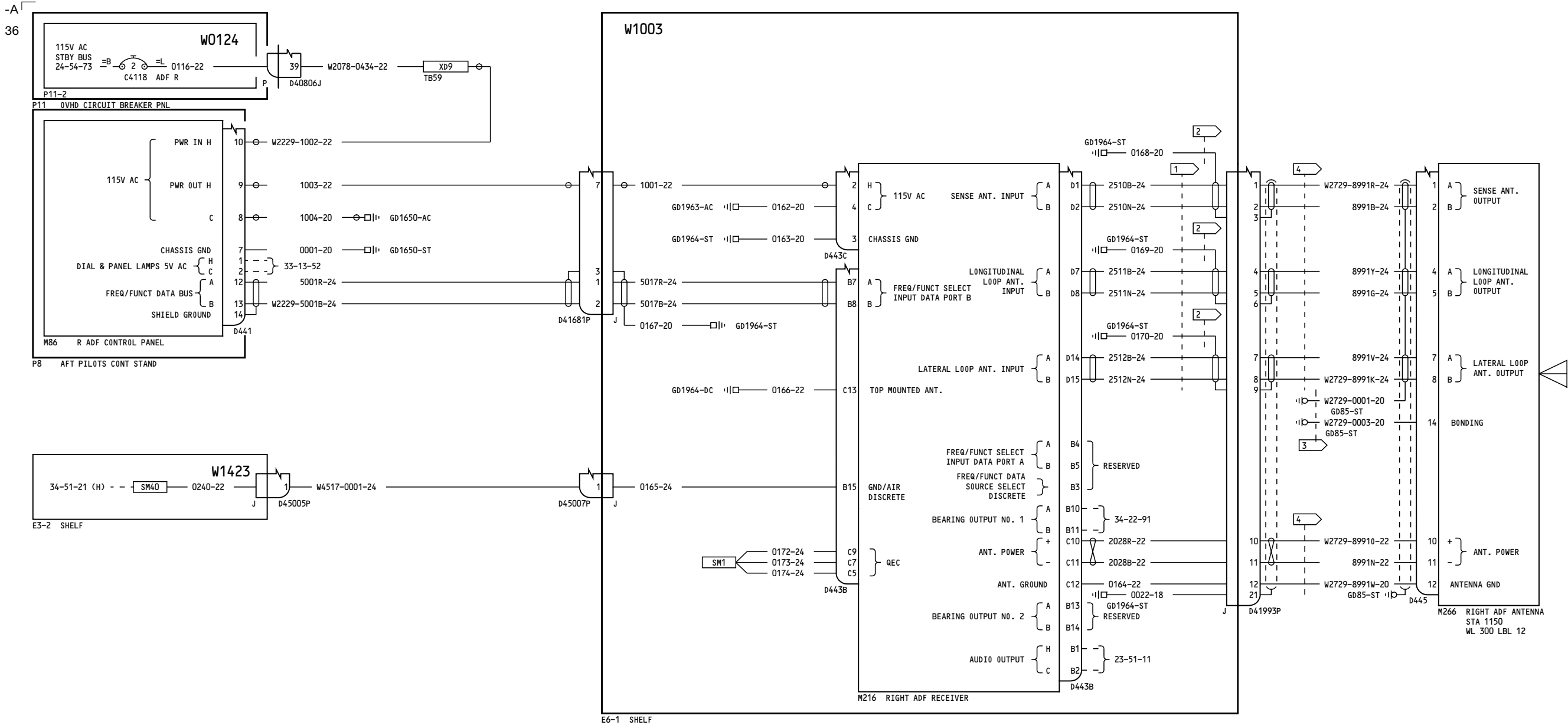
D280N032

Jan 21/2005

34-57-21

Page 1

Jan 21/2005



NOTES:

- 1 HAVEG #51-04570 ("VN" TYPE)
- 2 SHIELD ON THE CABLE MUST NOT BE STRIPPED BACK TO EXPOSE MORE THAN 2 INCHES OF THE SIGNAL WIRES. SHIELD PIGTAIL MUST NOT EXCEED 1 FT, 6 INCHES
- 3 LENGTH OF GROUND WIRE SHALL NOT EXCEED 1 FT, 6 INCHES
- 4 CHAMPLAIN-30-04749

002-008

ADF - RIGHT

34-57-21

Page 2

D280N032

Jan 21/2005

34-57-21

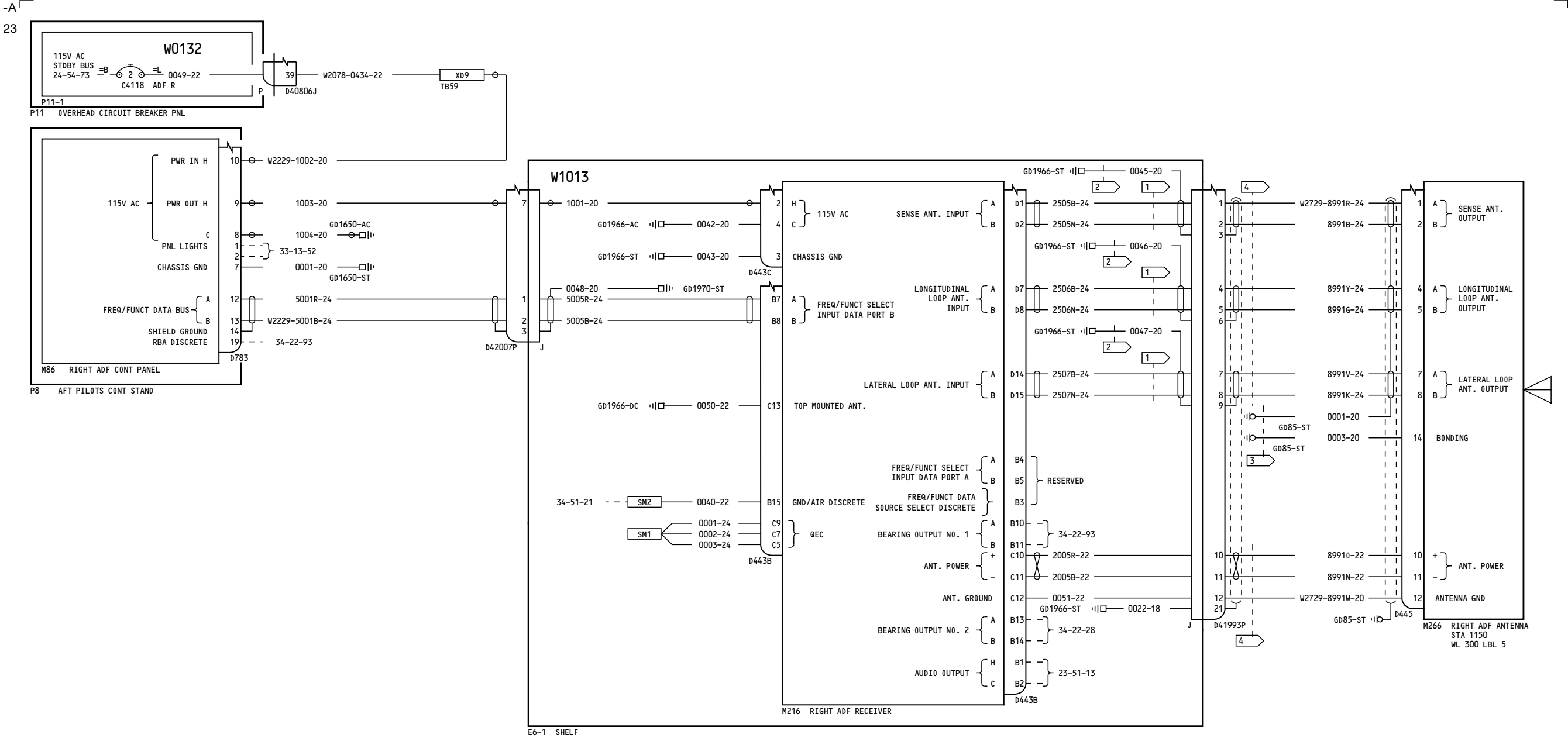
Page 2

Jan 21/2005





- 1 HAVEG #51-04570 ("VNN" TYPE)
- 2 SHIELD ON THE CABLE MUST NOT BE STRIPPED BACK TO EXPOSE MORE THAN 2 INCHES OF THE SIGNAL WIRES. SHIELD PIGTAIL MUST NOT EXCEED 1 FT, 6 INCHES
- 3 LENGTH OF GROUND WIRE SHALL NOT EXCEED 1 FEET 6 INCHES
- 4 CHAMPLAIN-30-04749



NOTES:

- 1 HAVEG #51-04570 ("VN" TYPE)
- 2 SHIELD ON THE CABLE MUST NOT BE STRIPPED BACK TO EXPOSE MORE THAN 2 INCHES OF THE SIGNAL WIRES. SHIELD PIGTAIL MUST NOT EXCEED 18 INCHES.
- 3 LENGTH OF GROUND WIRE SHALL NOT EXCEED 1 FOOT 6 INCHES.
- 4 CHAMPLAIN - 30-04749("V2" TYPE)

115-199

ADF - RIGHT

34-57-21

Page 5

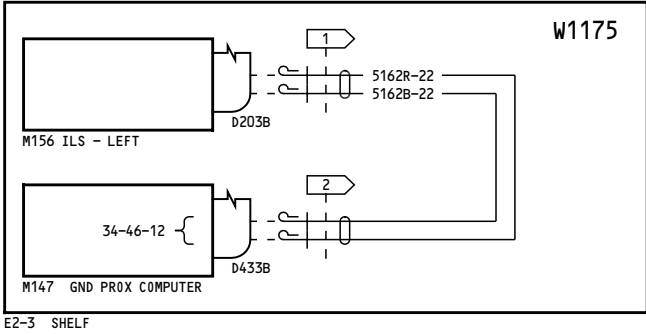
D280N032

Jan 21/2005

34-57-21

Page 5

Jan 21/2005



NOTES:

- 1 TAPE AND STOW NEAR CONNECTOR D203B
- 2 TAPE AND STOW NEAR CONNECTOR D433B

002


**GLOBAL POSITIONING SYSTEM
LEFT**

D280N032

34-58-11

Page 1.1

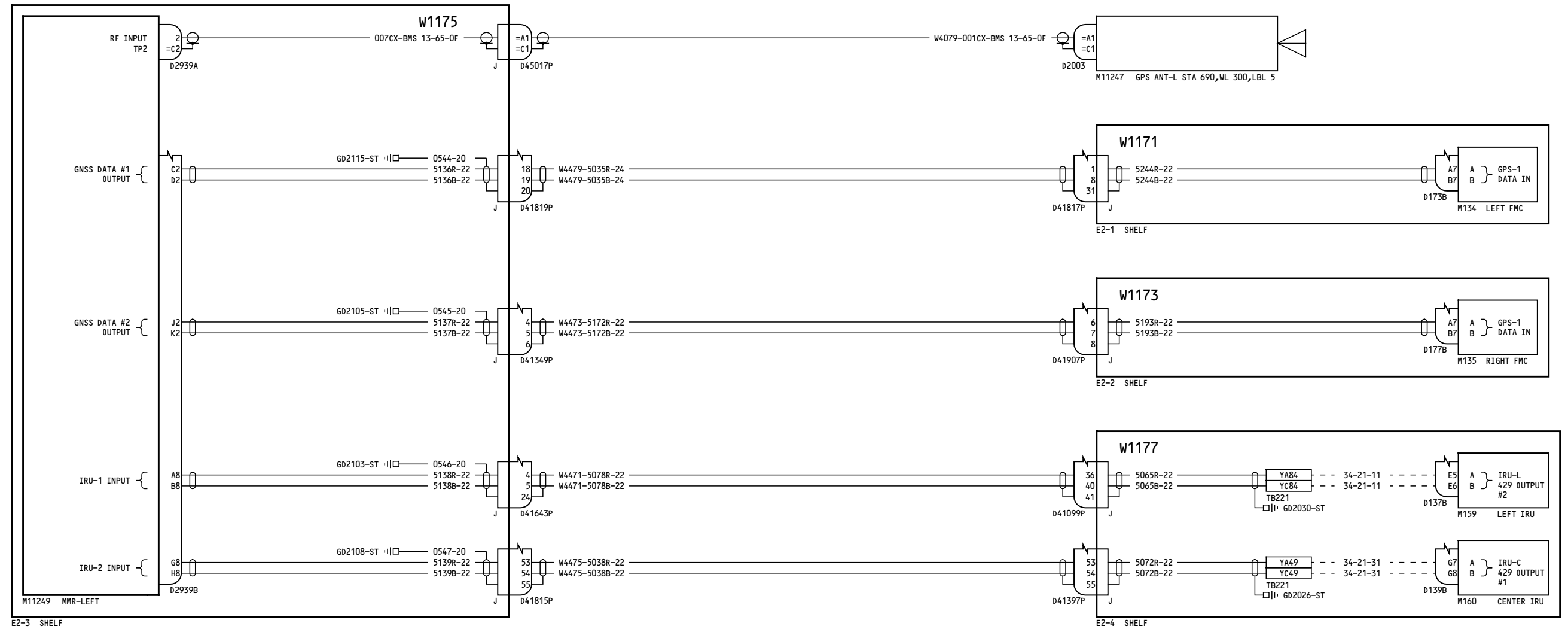
Oct 09/2008

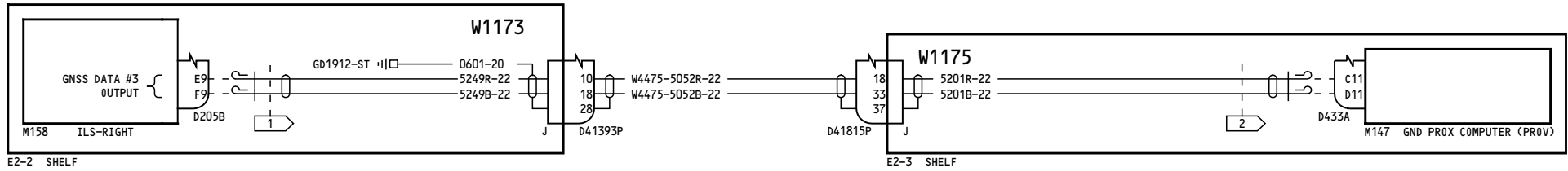
 Incorporates
34-0200

34-58-11

Page 1.1

Oct 09/2008





NOTES:

- 1 TAPE AND STOW NEAR D205B
- 2 TAPE AND STOW NEAR D433A

002	GLOBAL POSITIONING SYSTEM RIGHT
	D280N032

34-58-21

Page 1.1

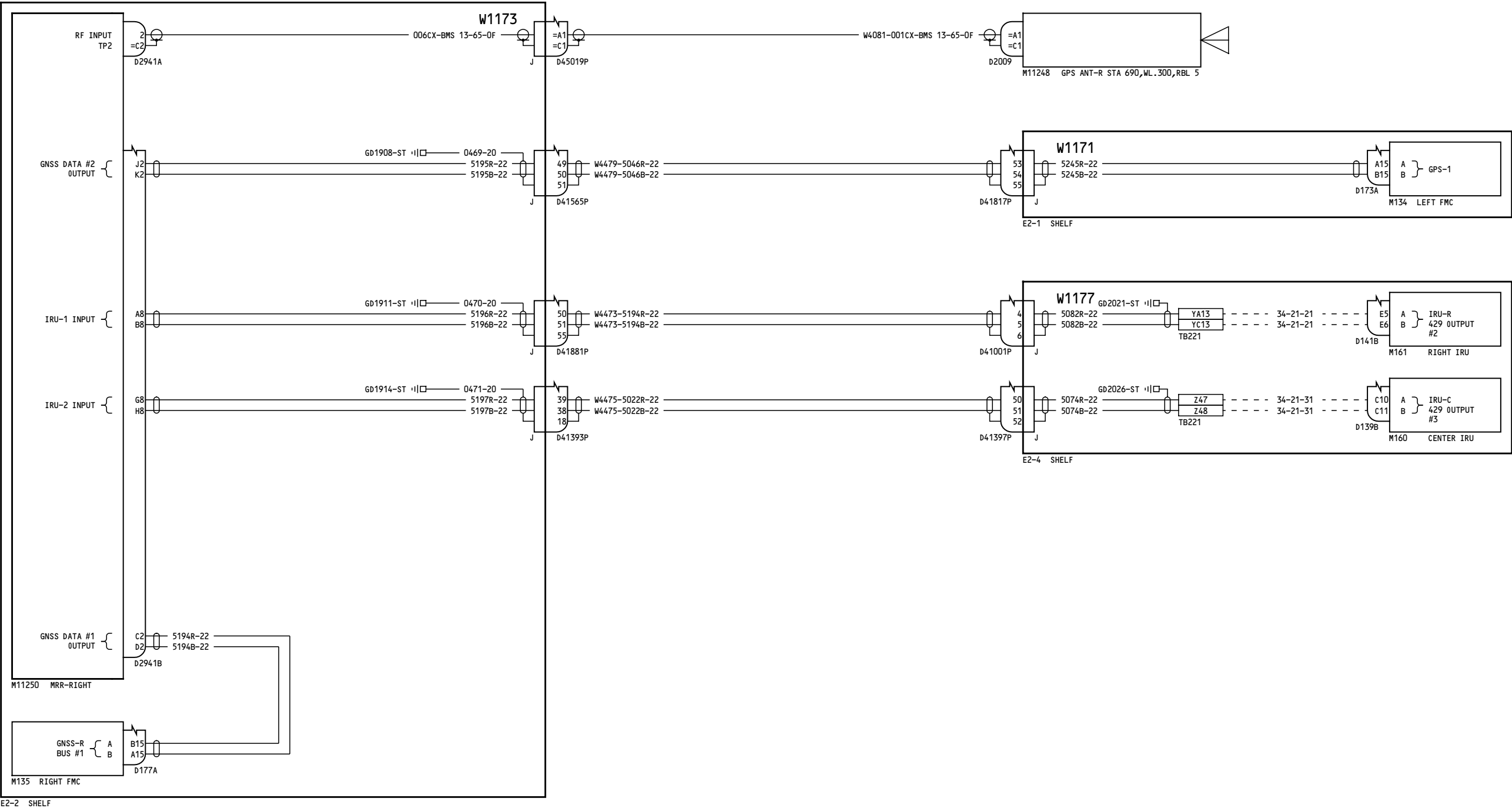
Oct 09/2008

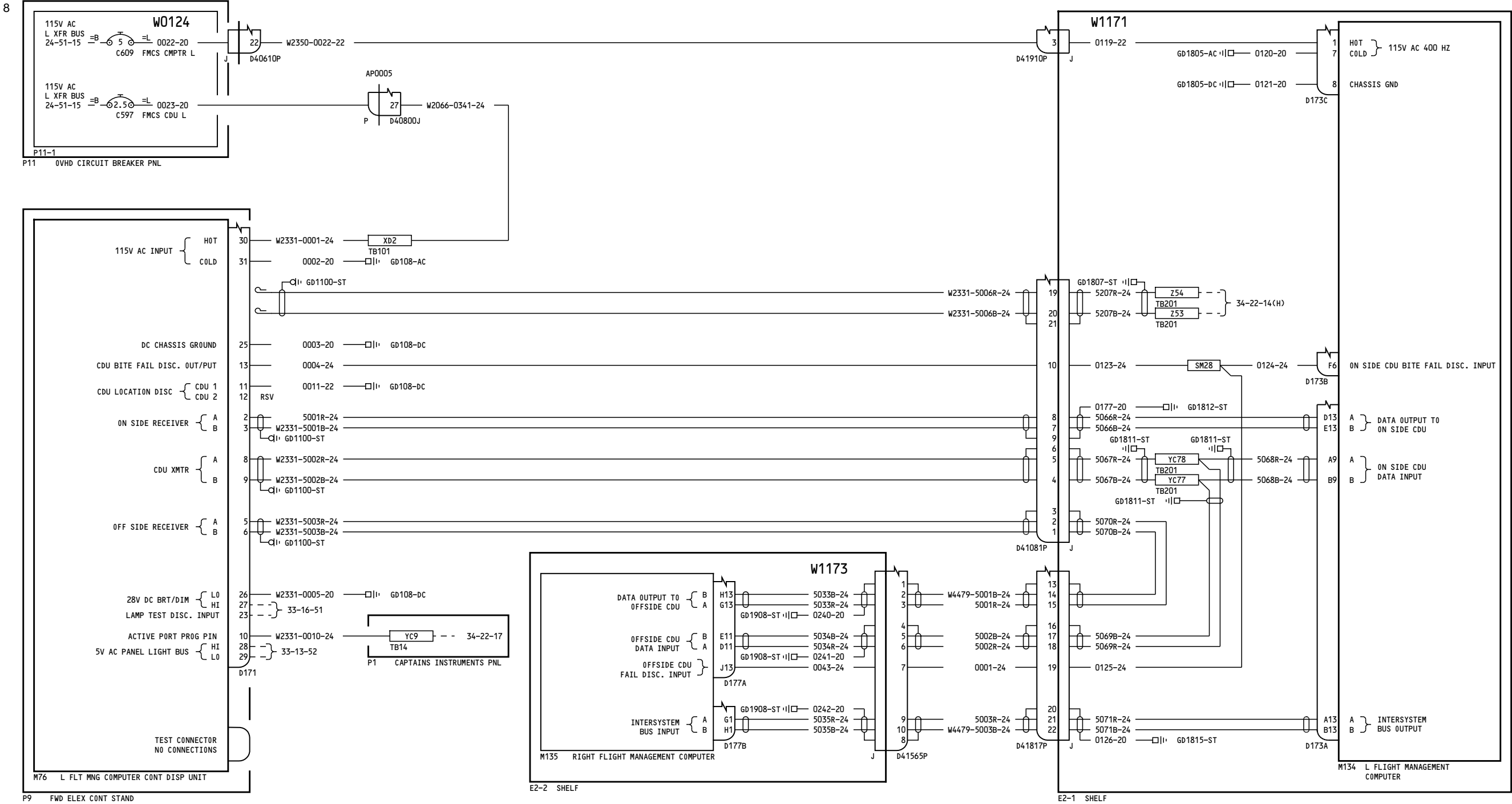
Incorporates
34-0200

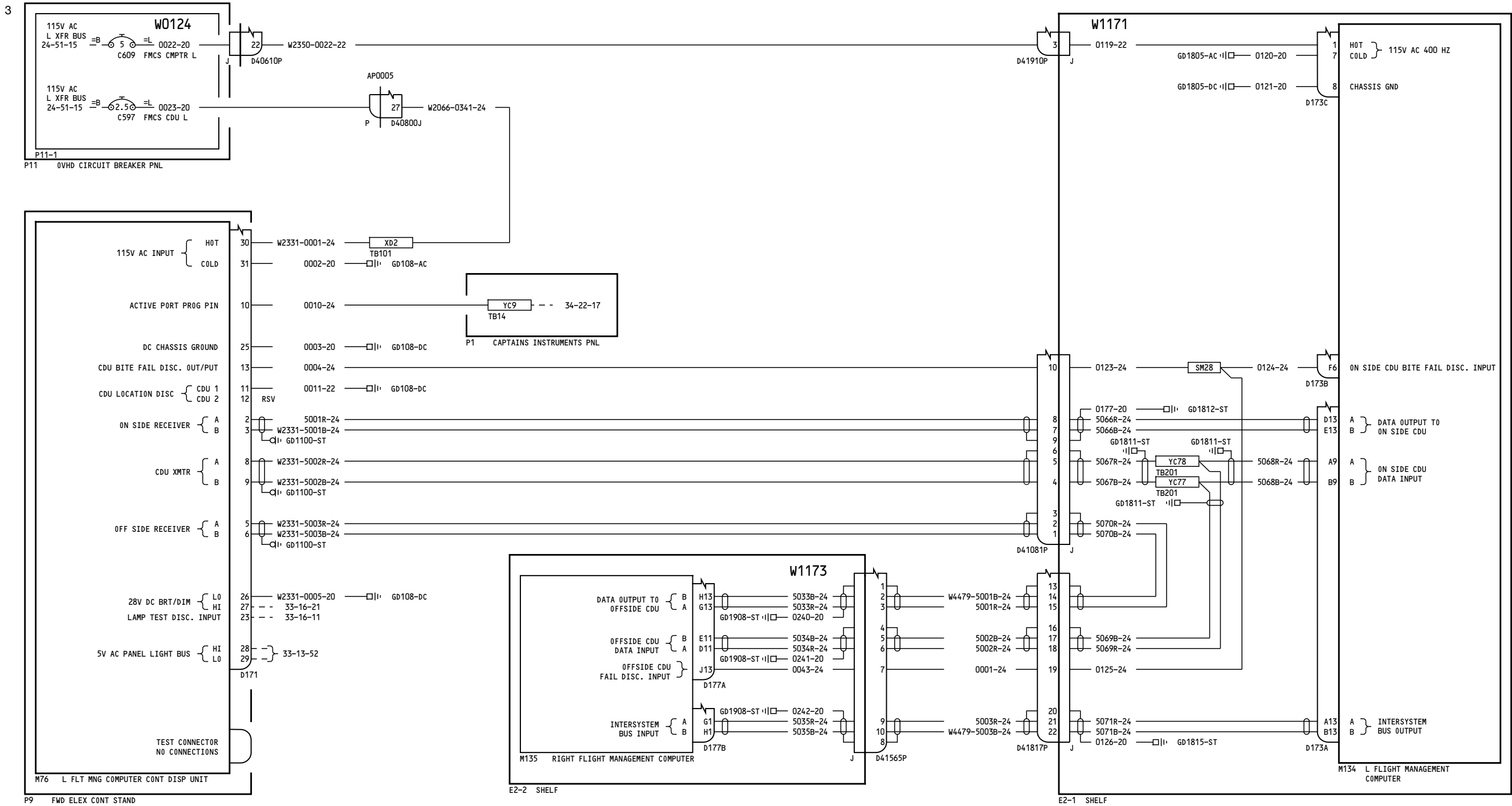
34-58-21

Page 1.1

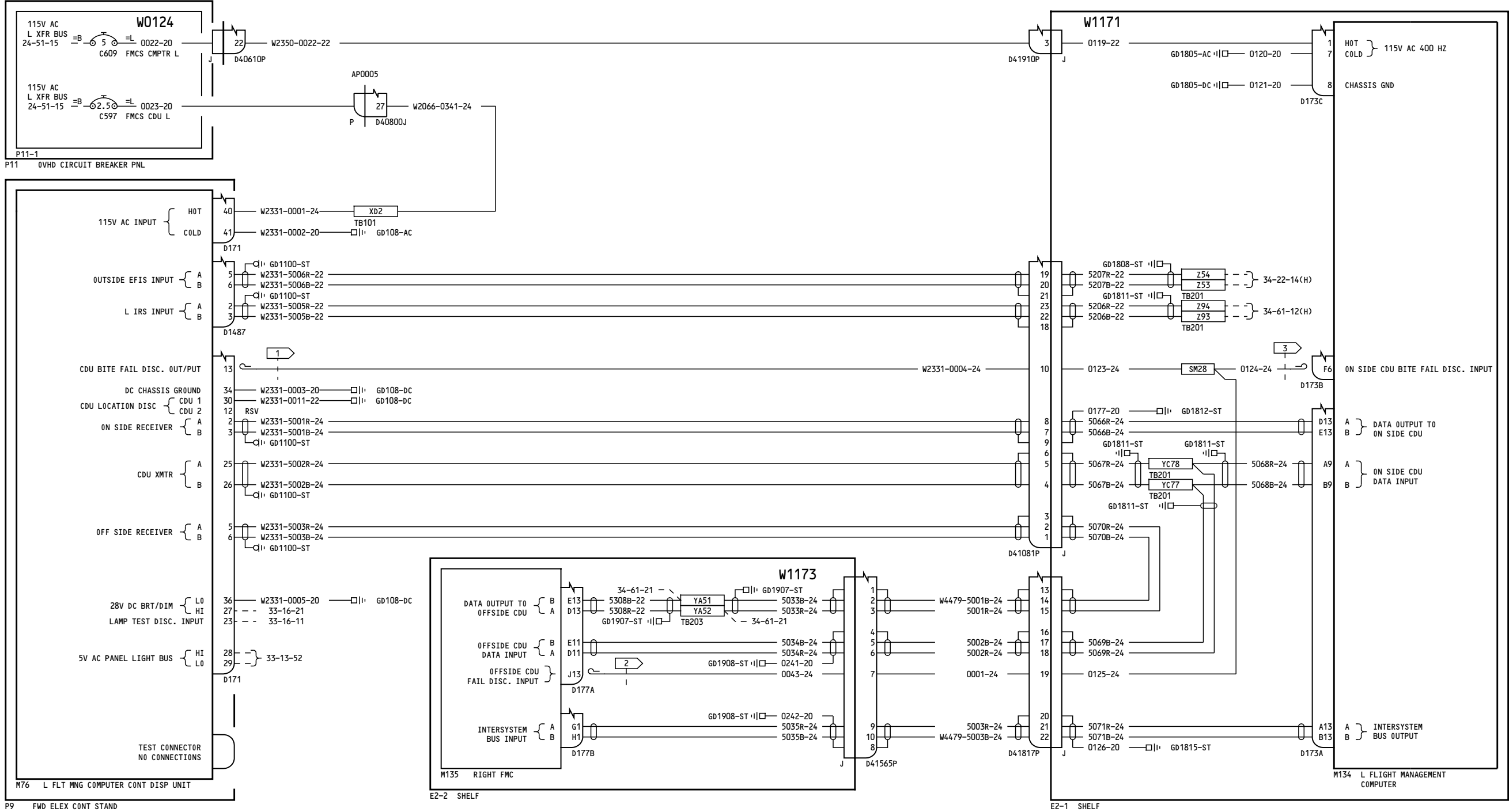
Oct 09/2008







101



NOTES:

- 1 CAP AND STOW NEAR D171
- 2 CAP AND STOW NEAR D177A
- 3 CAP AND STOW NEAR D173B

115

LEFT FMC/CDU INTERFACE

D280N032

34-61-11

Page 2.1

Dec 18/2007

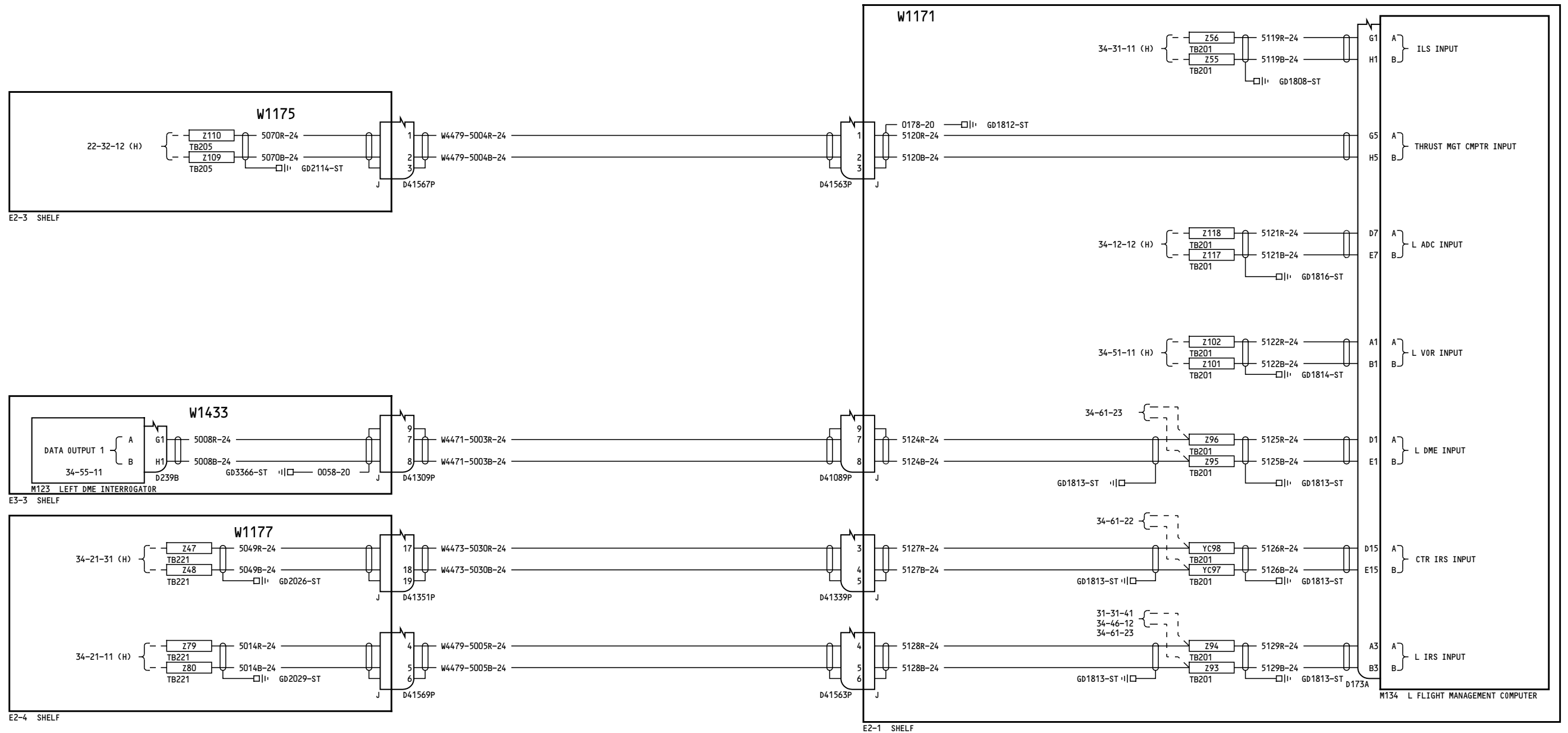
Incorporates
34-0414

34-61-11

Page 2.1

Dec 18/2007

-B
14



001-099

**LEFT FMC/LEFT NAV/TMC -
INPUTS**

D280N032

34-61-12

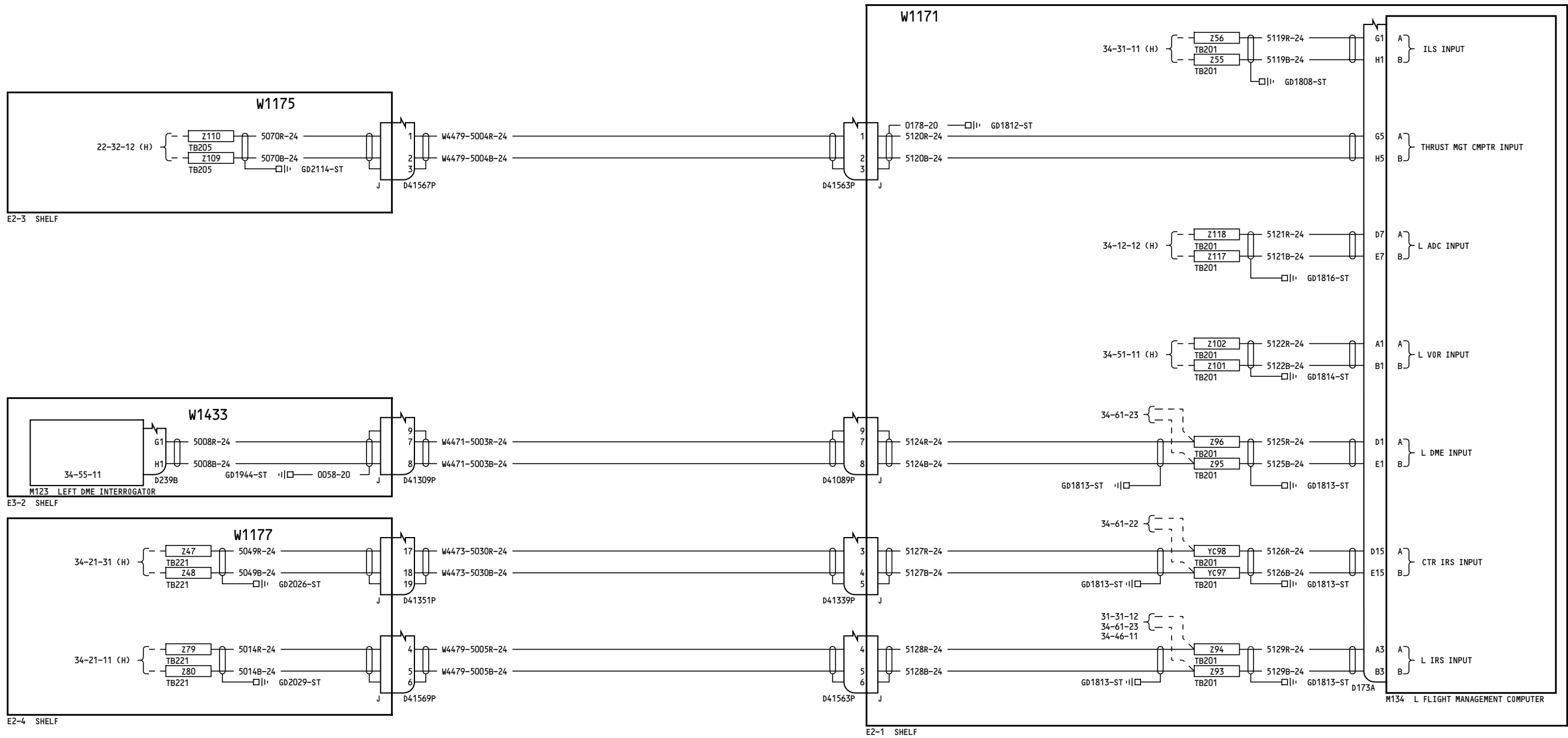
Page 1

Jan 21/2005

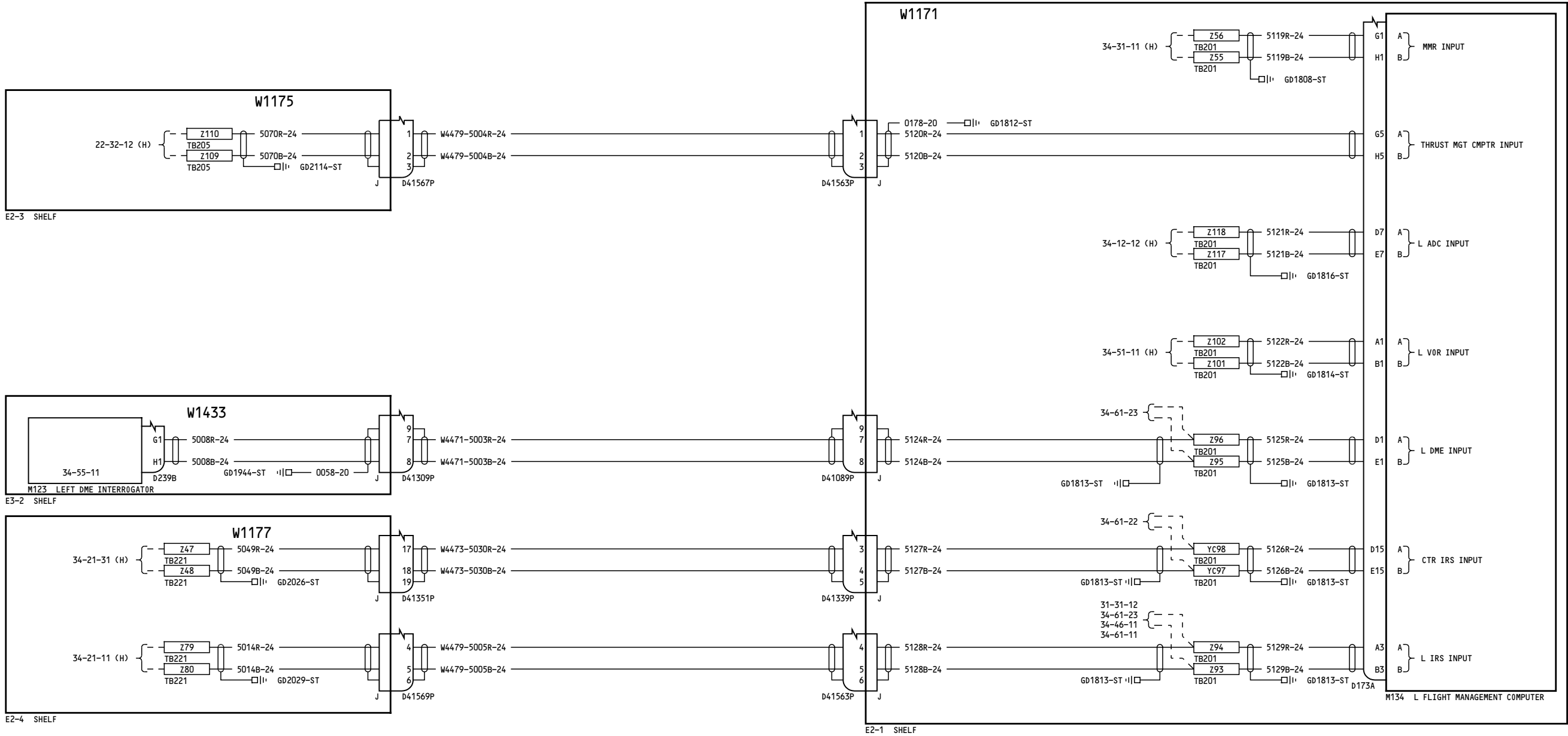
34-61-12

Page 1

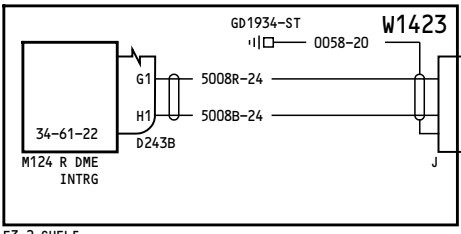
Jan 21/2005



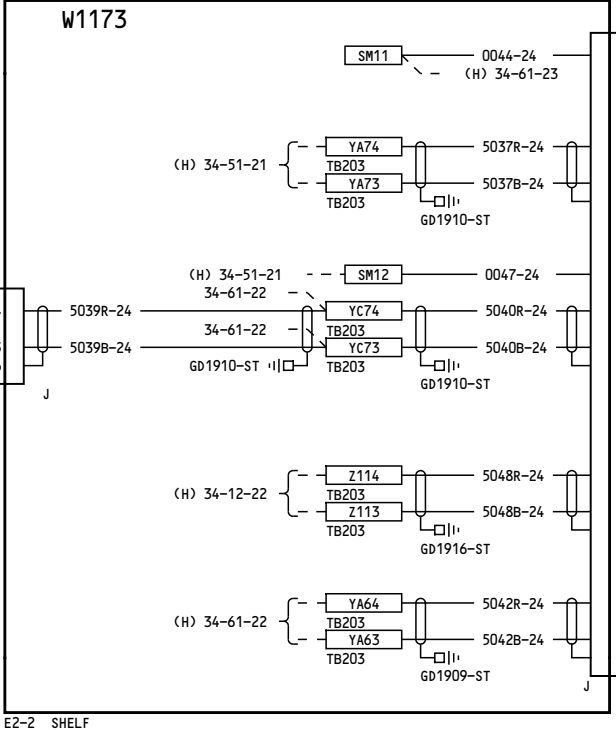
-A
64



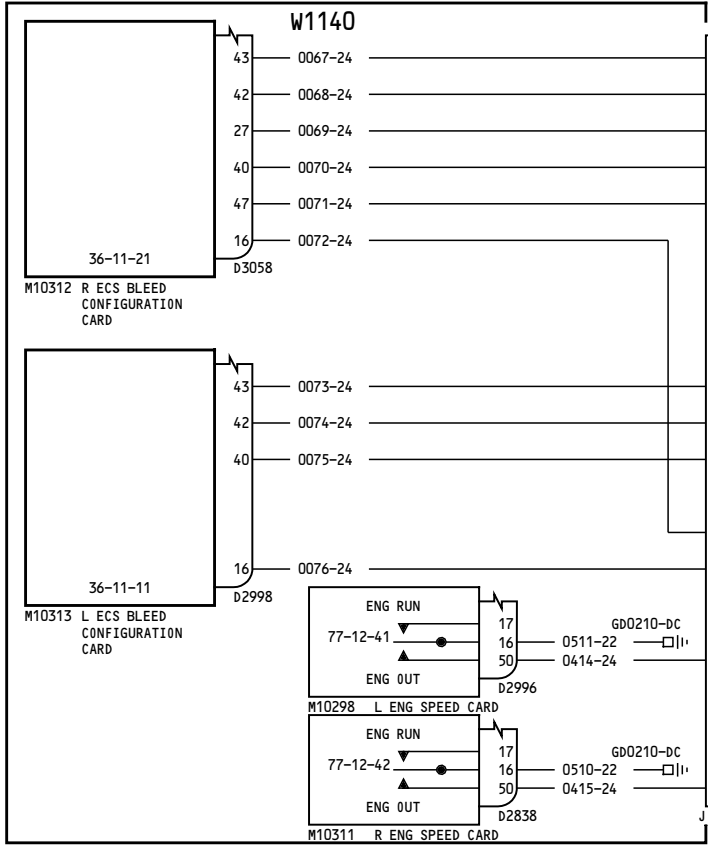
-A
22



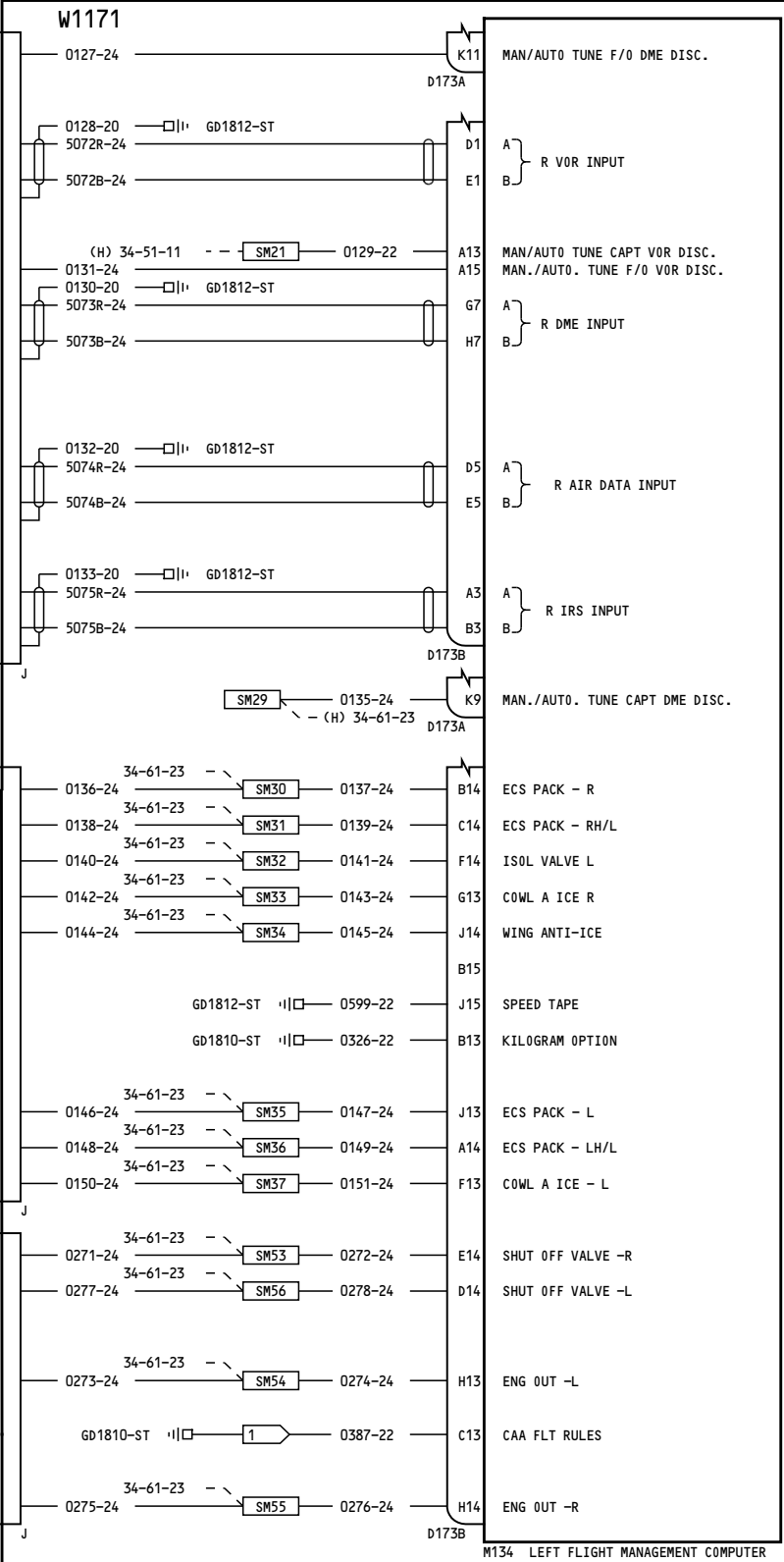
E3-2 SHELF



E2-2 SHELF



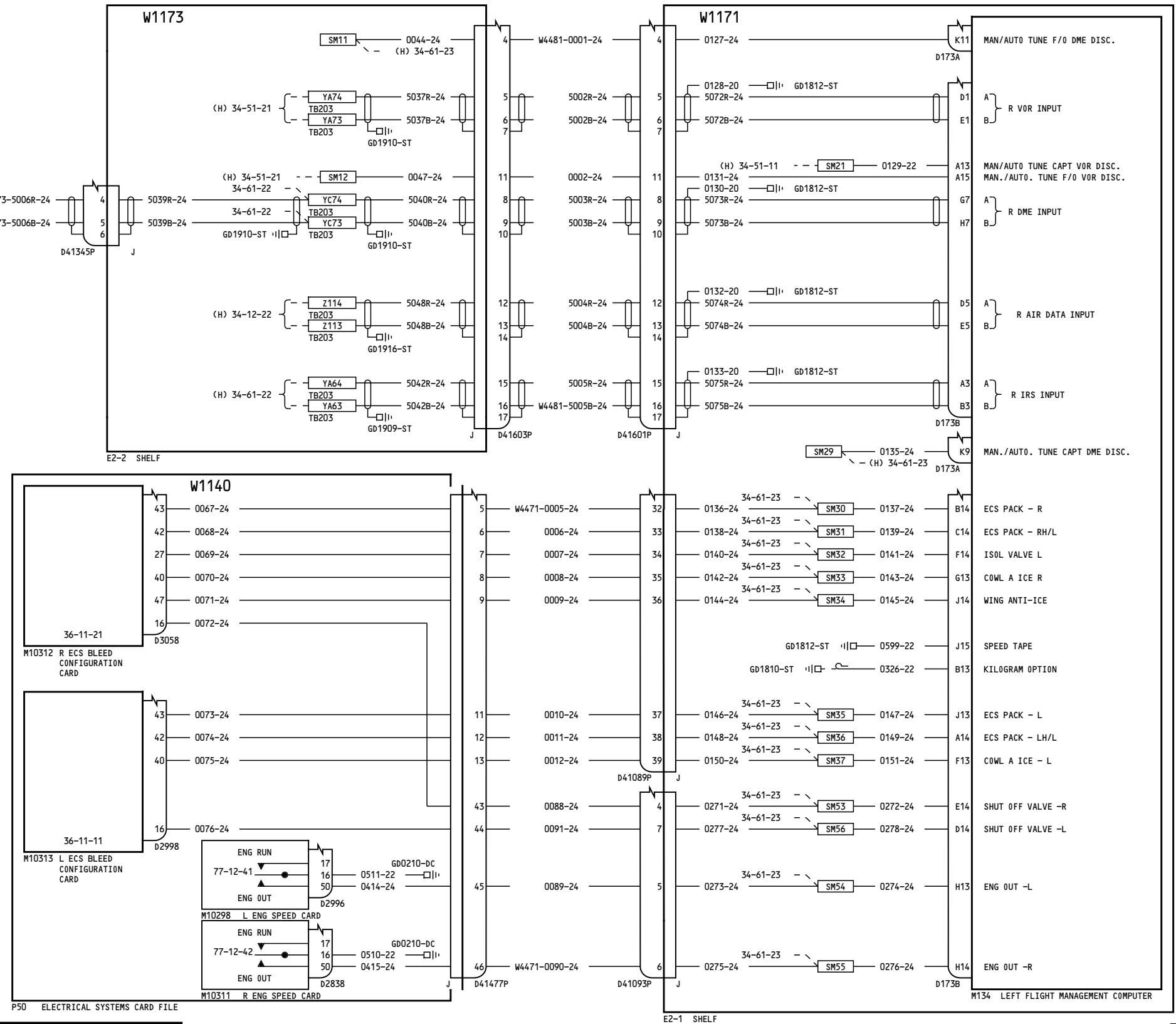
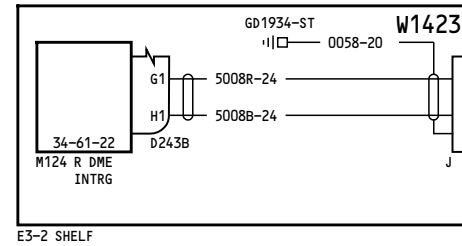
P50 ELECTRICAL SYSTEMS CARD FILE



E2-1 SHELF

NOTES:
1 APPLIES TO NB321 AND NB329

-A
30



004, 006-008

**LEFT FMC/RIGHT
NAV/AUTOTUNE
DISCRETE - INPUTS**

34-61-13

Page 2

May 17/2006

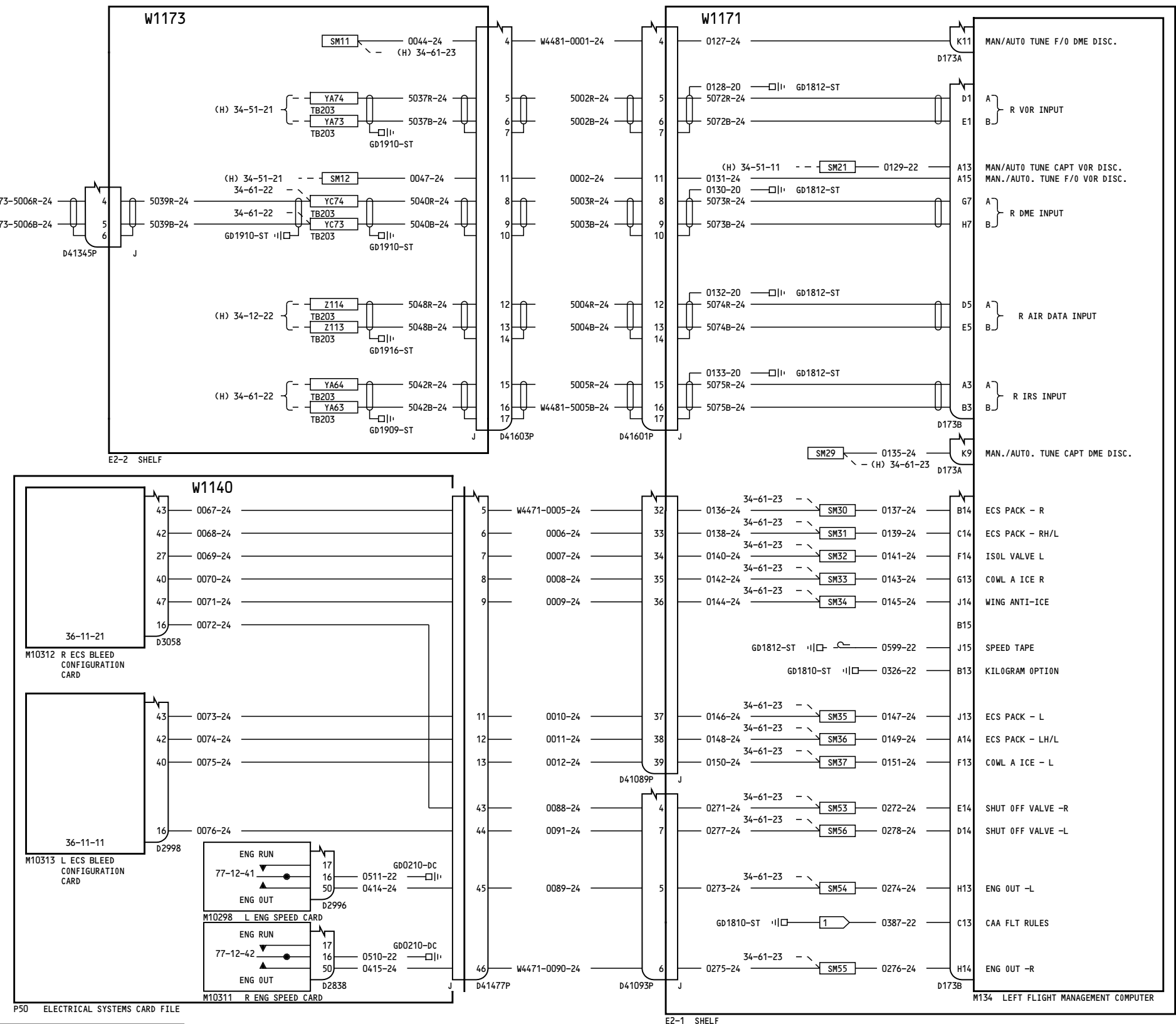
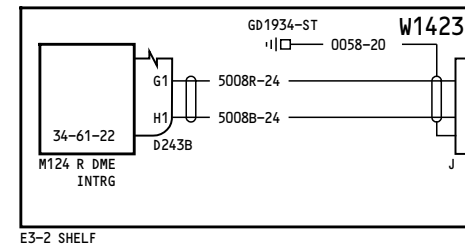
D280N032

34-61-13

Page 2

May 17/2006

-A
51



NOTES:

1 APPLIES TO NB321 AND NB329

009

**LEFT FMC/RIGHT
NAV/AUTOTUNE
DISCRETE - INPUTS**

D280N032

34-61-13

Page 3

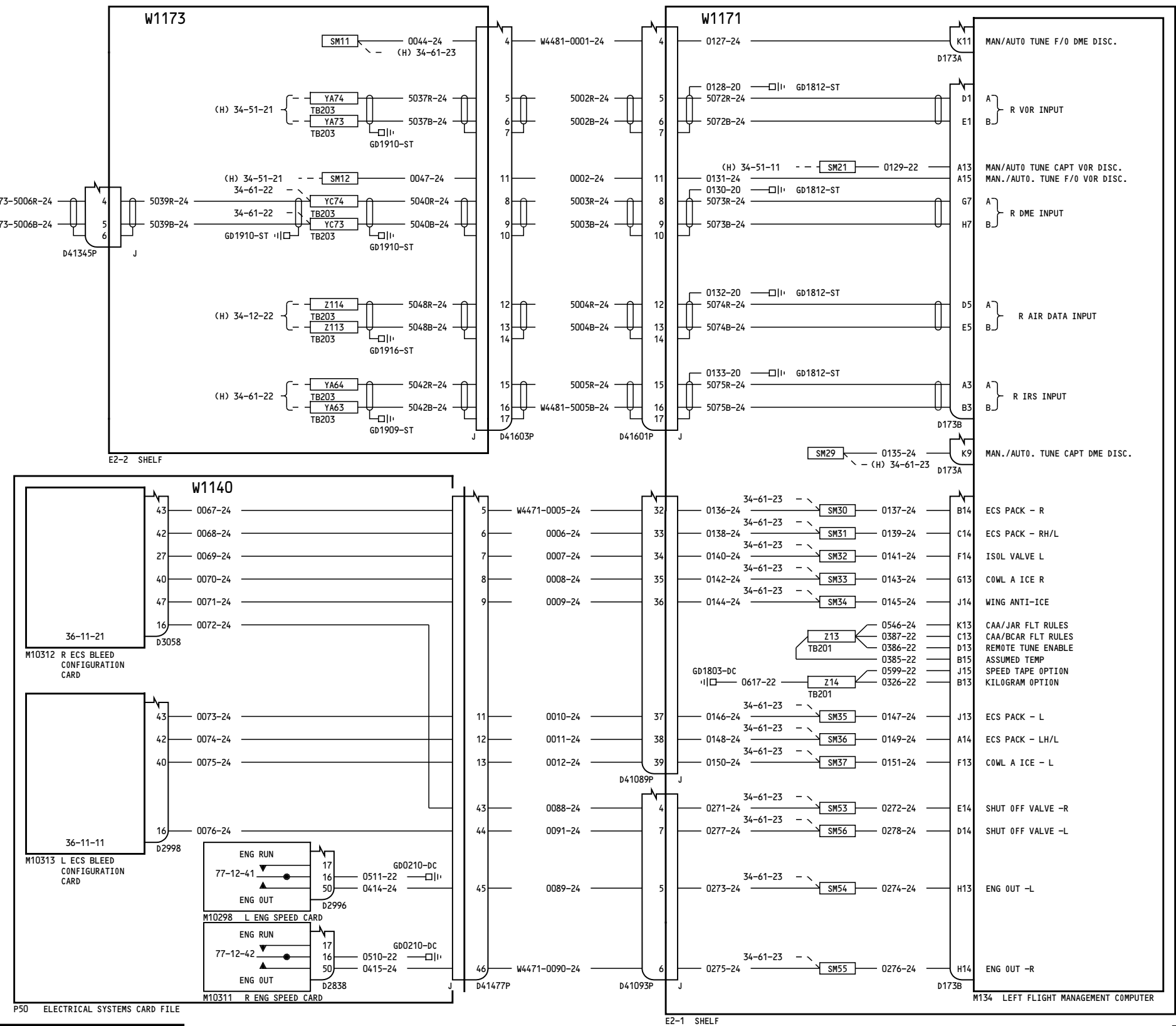
May 17/2006

34-61-13

Page 3

May 17/2006

Diagram of the E3-2 Shelf showing a rack with a 34-61-22 unit and two 5008R-24 units. The 34-61-22 unit is connected to the 5008R-24 units via a D243B connector. The 5008R-24 units are connected to a W1423 unit via a 0058-20 connector. The 5008R-24 units are also connected to a J connector.



**LEFT FMC/RIGHT
NAV/AUTOTUNE
DISCRETE - INPUTS**

34-61-13

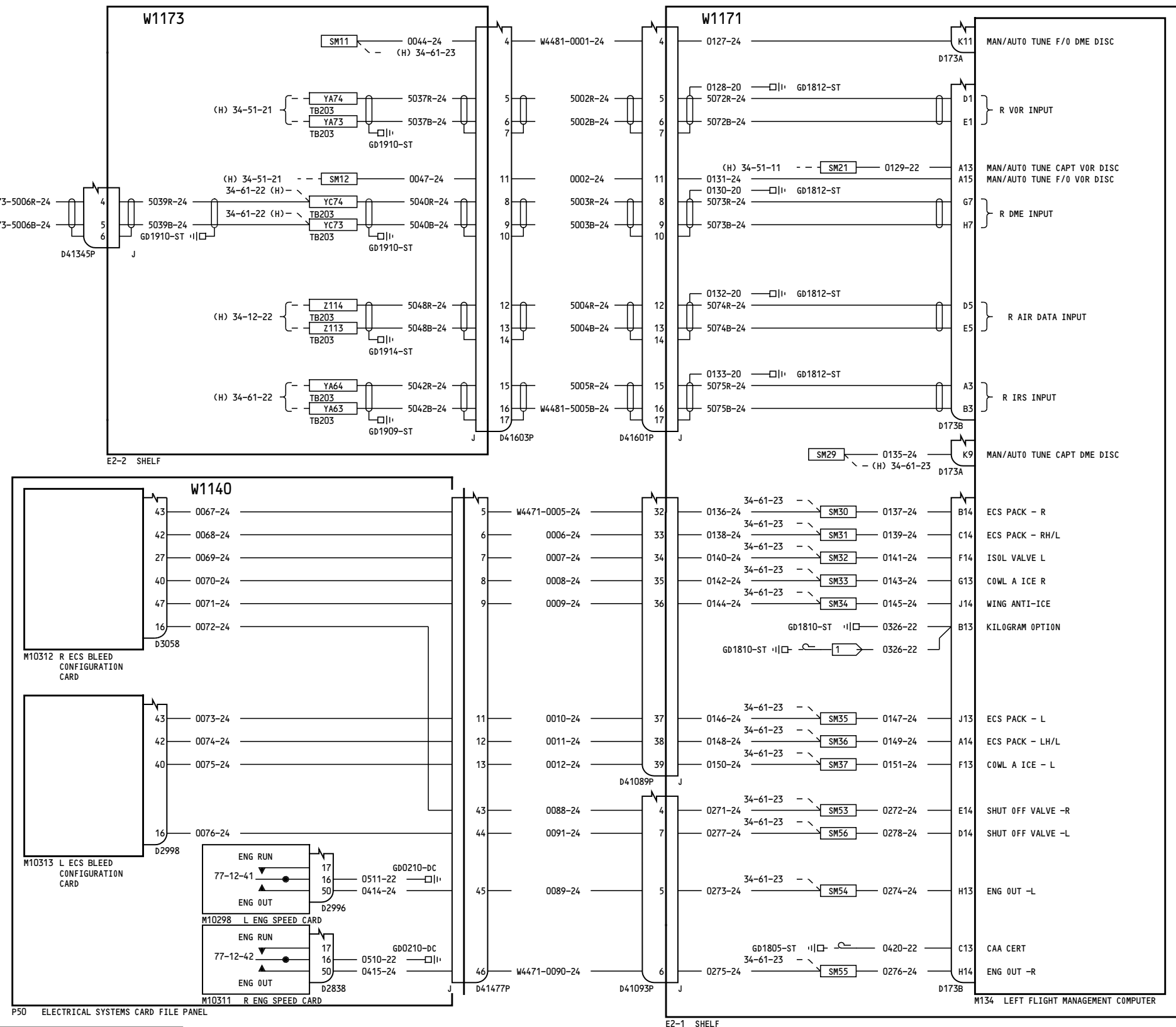
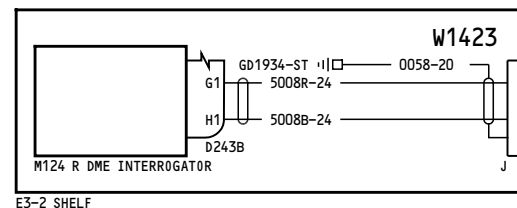
Jan 21/2005

D280N032

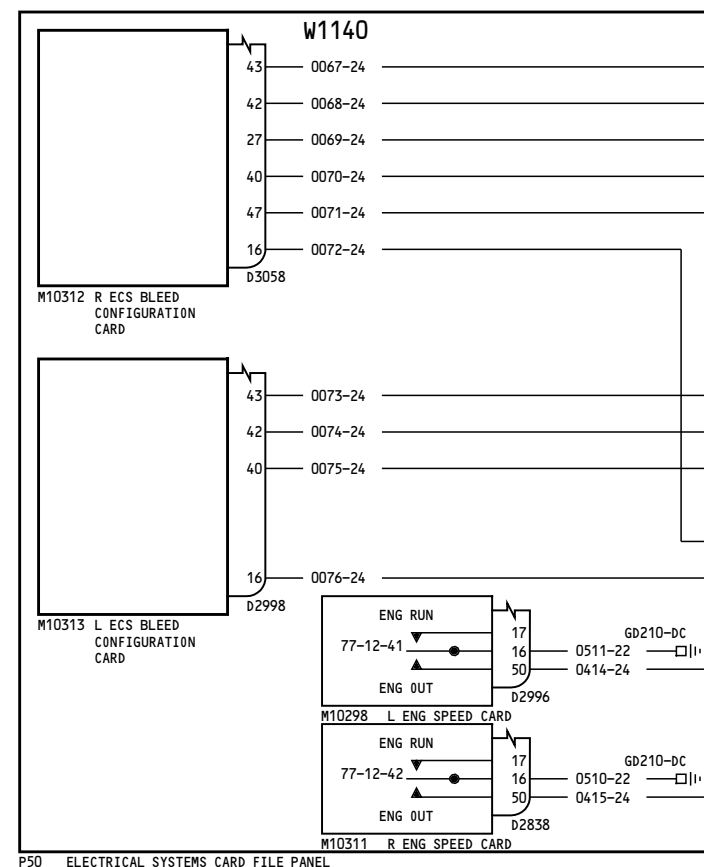
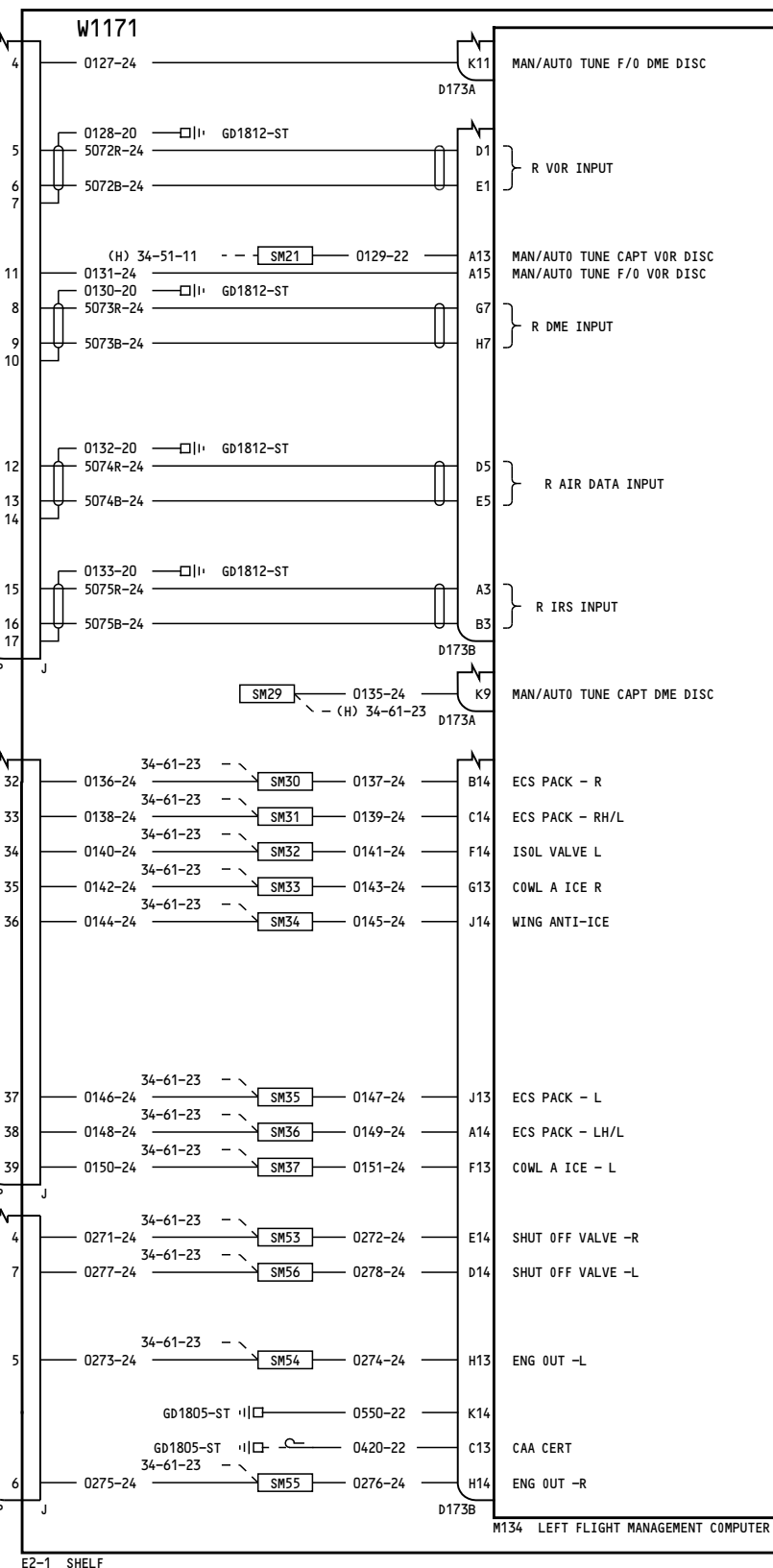
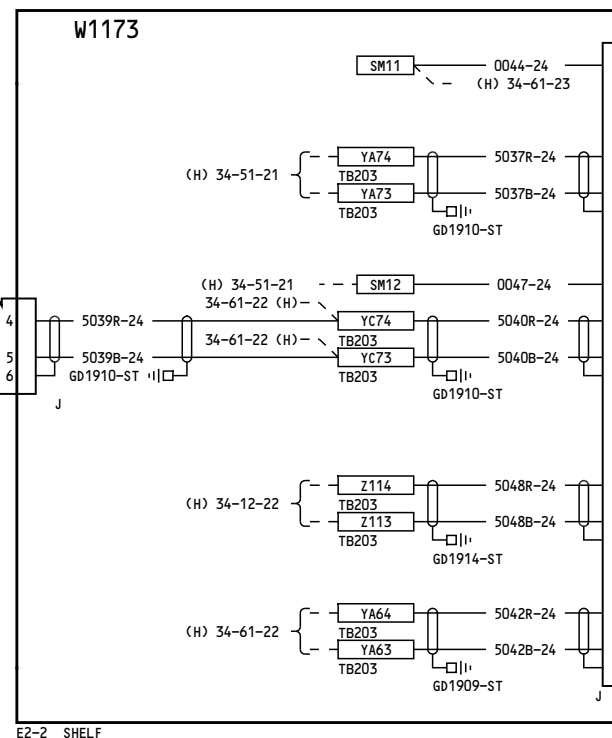
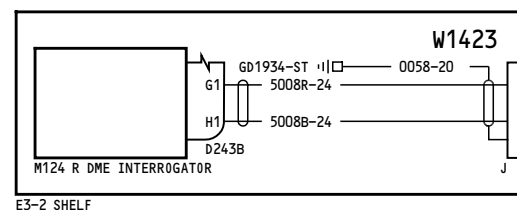
34-61-13

Jan 21/2005

-A
25

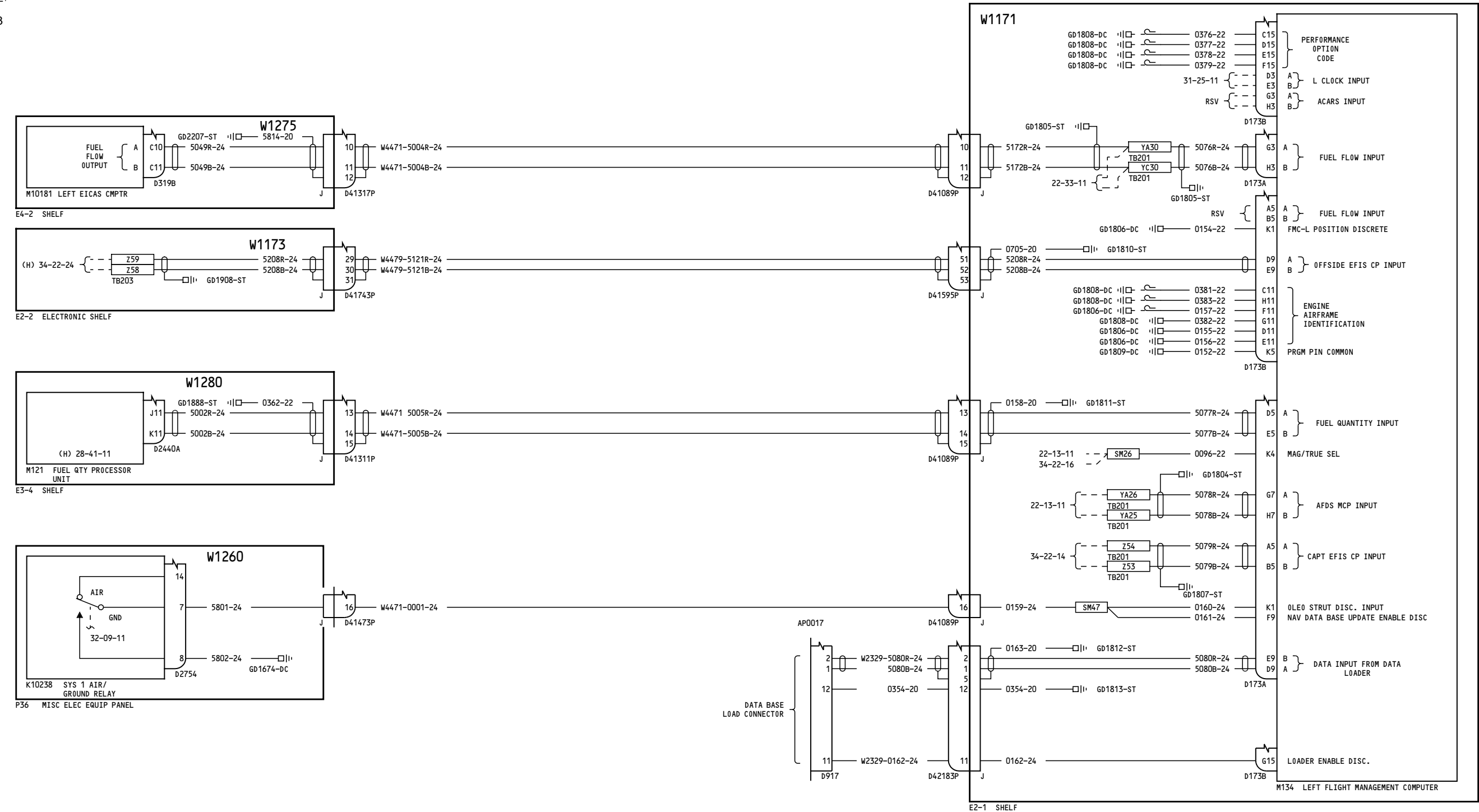


NOTES:
1 APPLIES TO NA349-NA349



NOTES:

1 APPLIES TO NA349-NA349



001-010

LEFT FMC/AFDS/MCP/EFIS/
MISC - INPUTS

34-61-14

Page 1

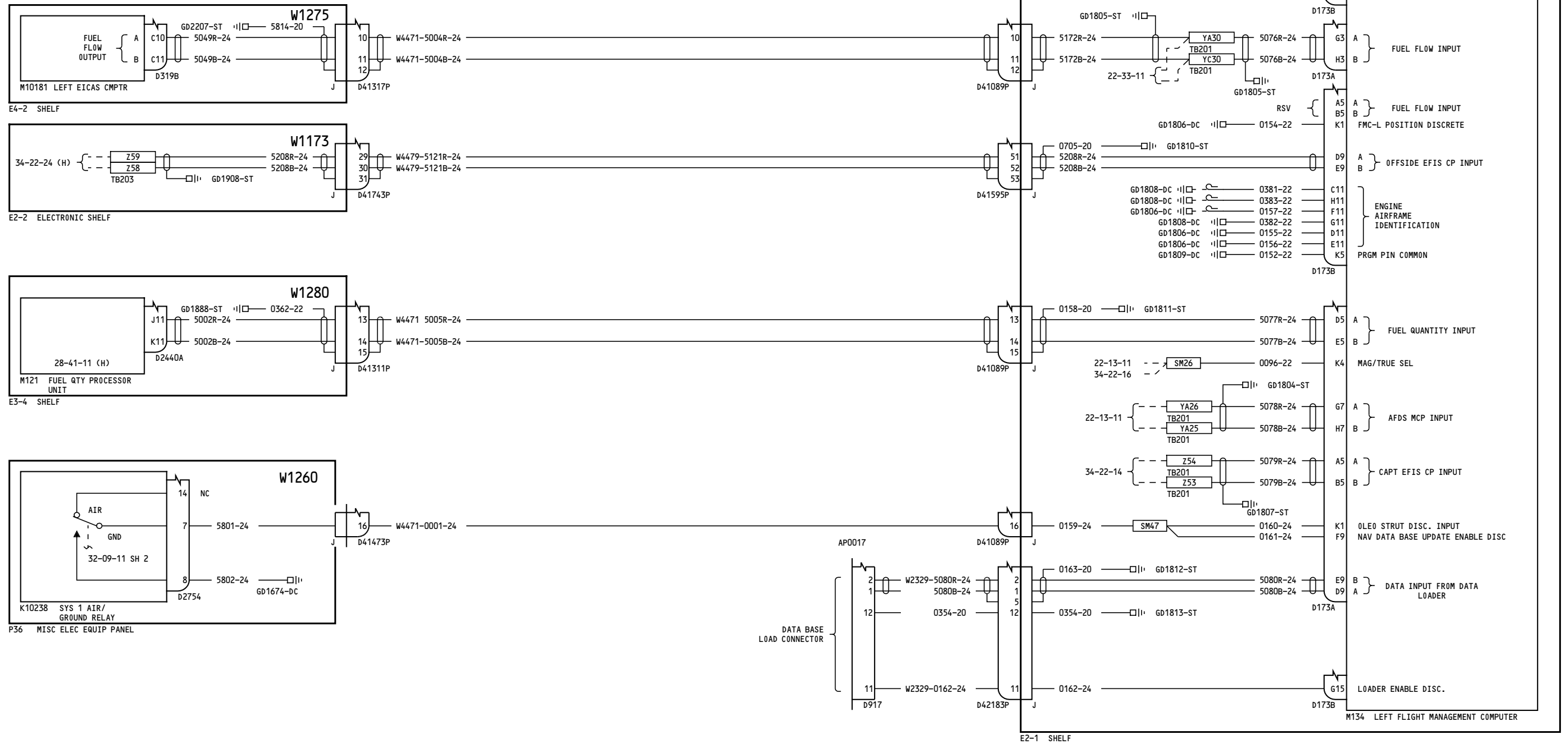
D280N032

Jan 21/2005

34-61-14

Page 1

Jan 21/2005



001-002

**LEFT FMC/AFDS/MCP/EFIS/
MISC - INPUTS**

34-61-14

Page 1.1

Jan 21/2005

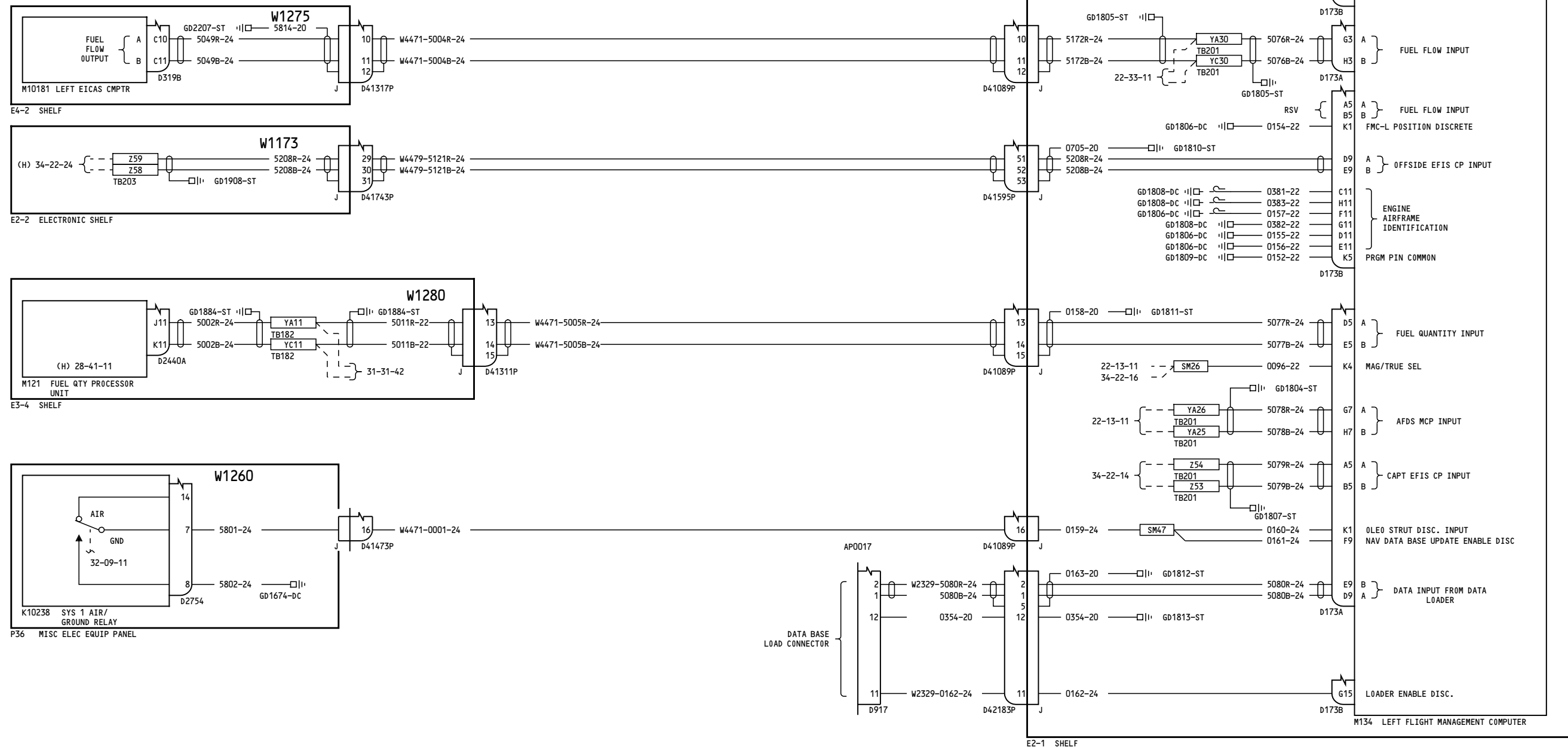
D280N032

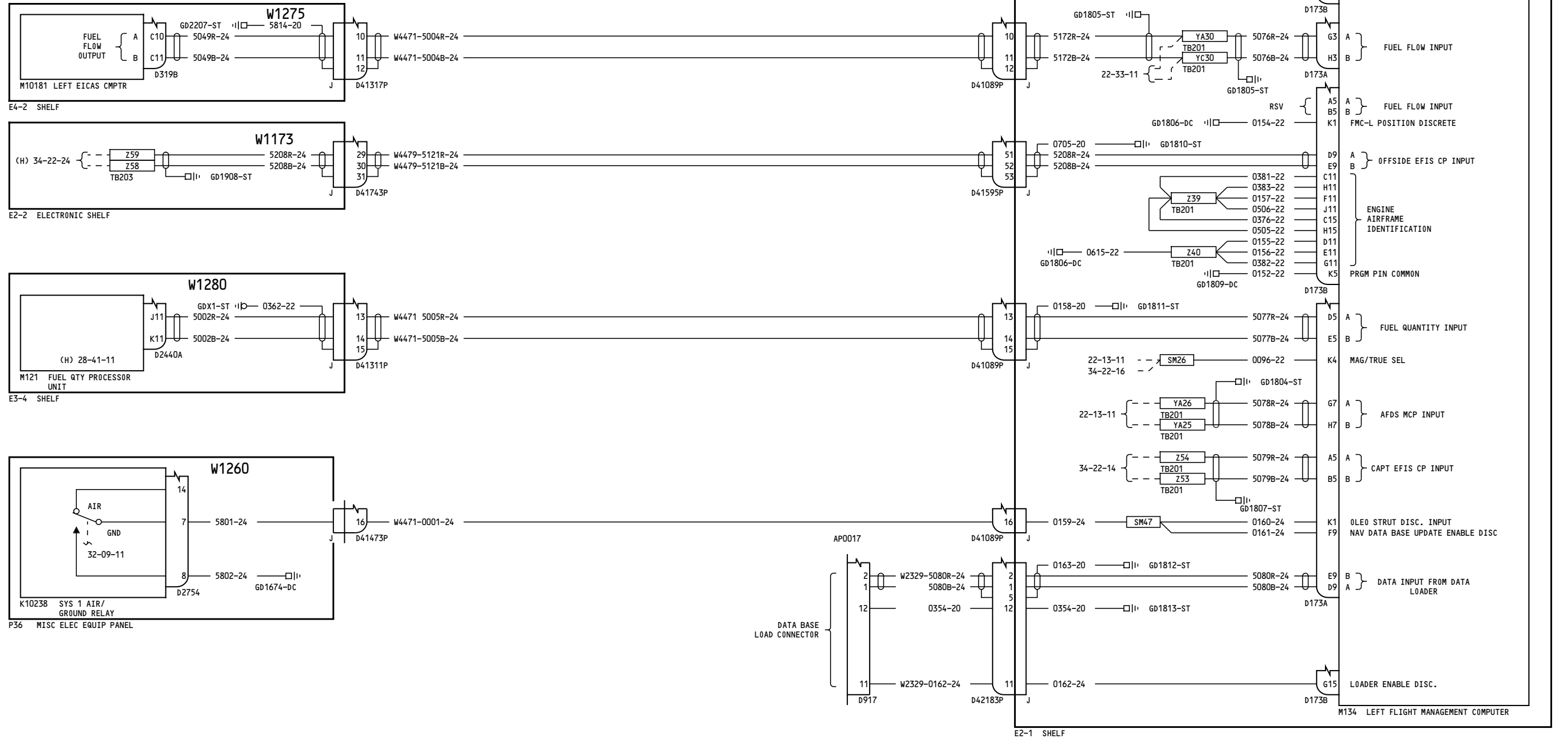
Incorporates
27A0130 R01

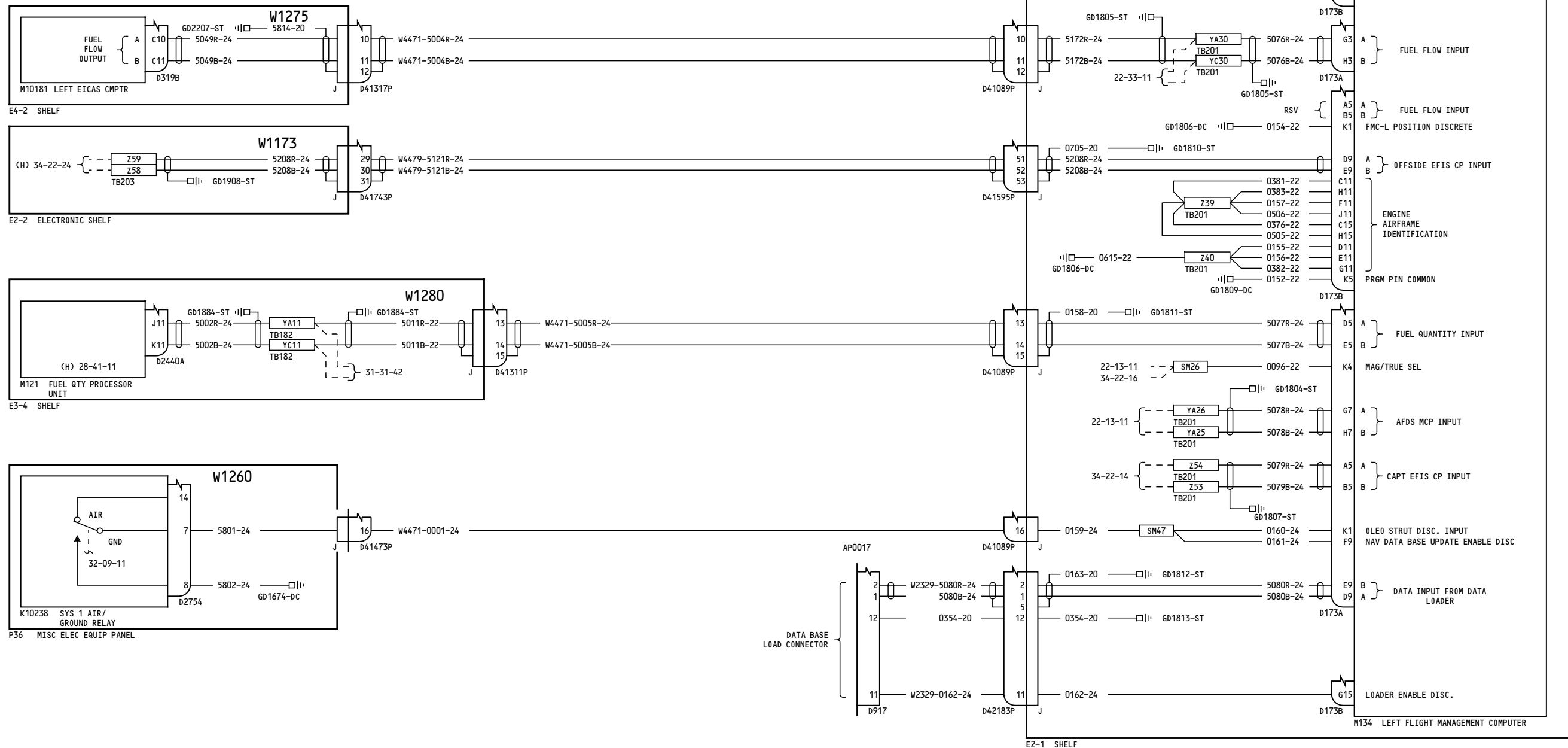
34-61-14

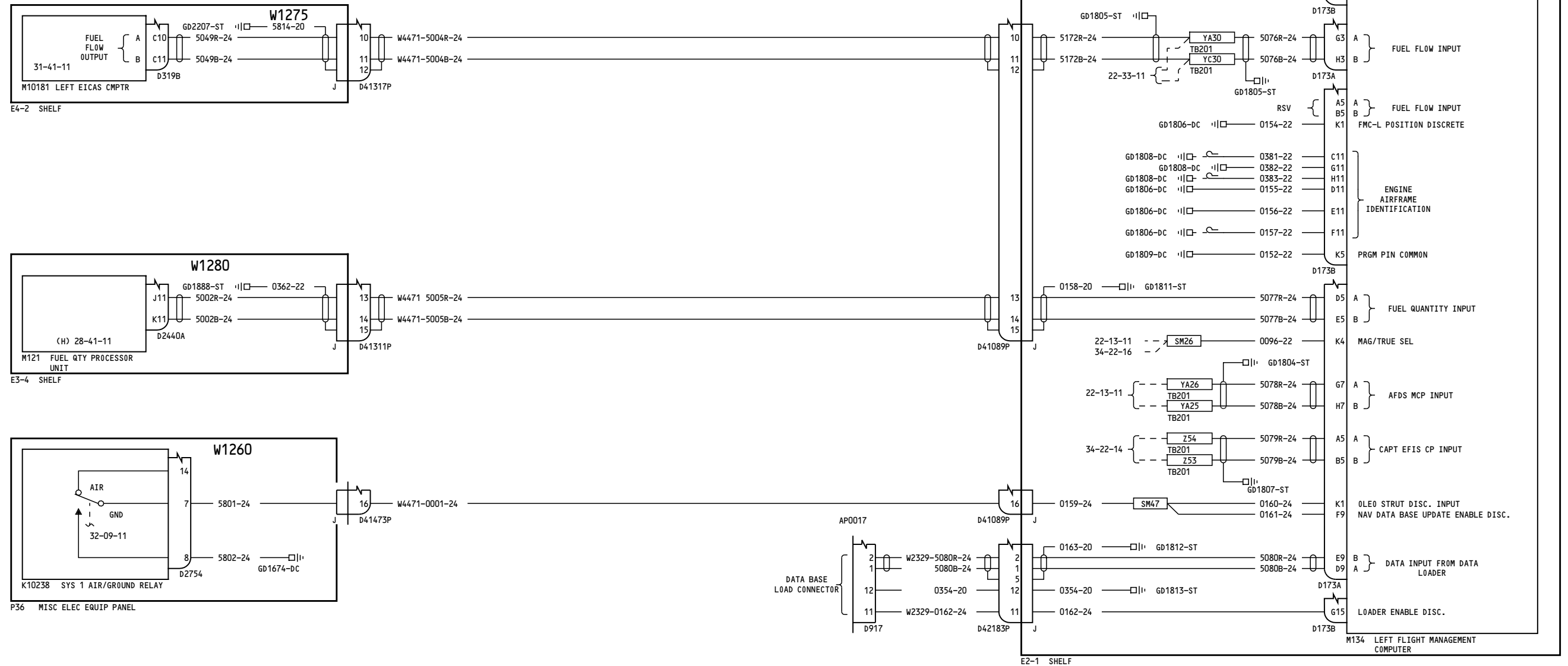
Page 1.1

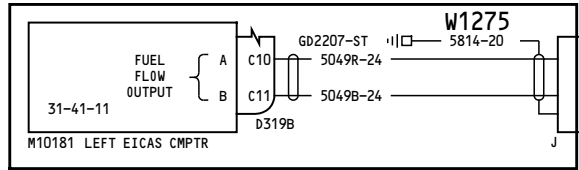
Jan 21/2005



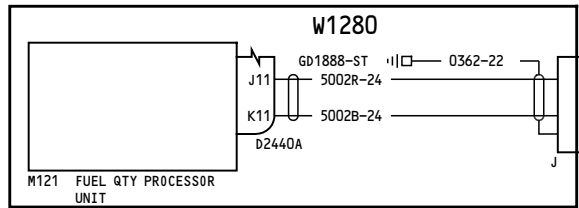




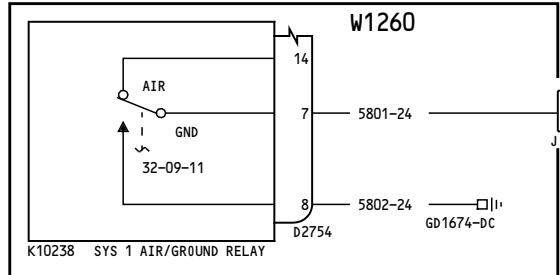




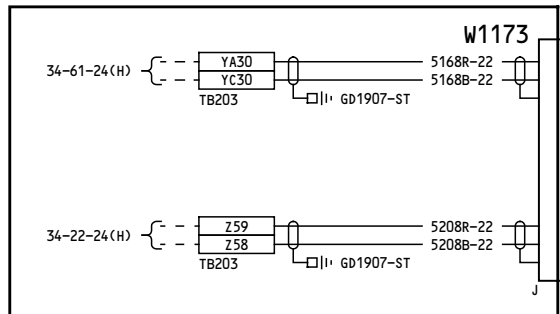
E4-2 SHELF



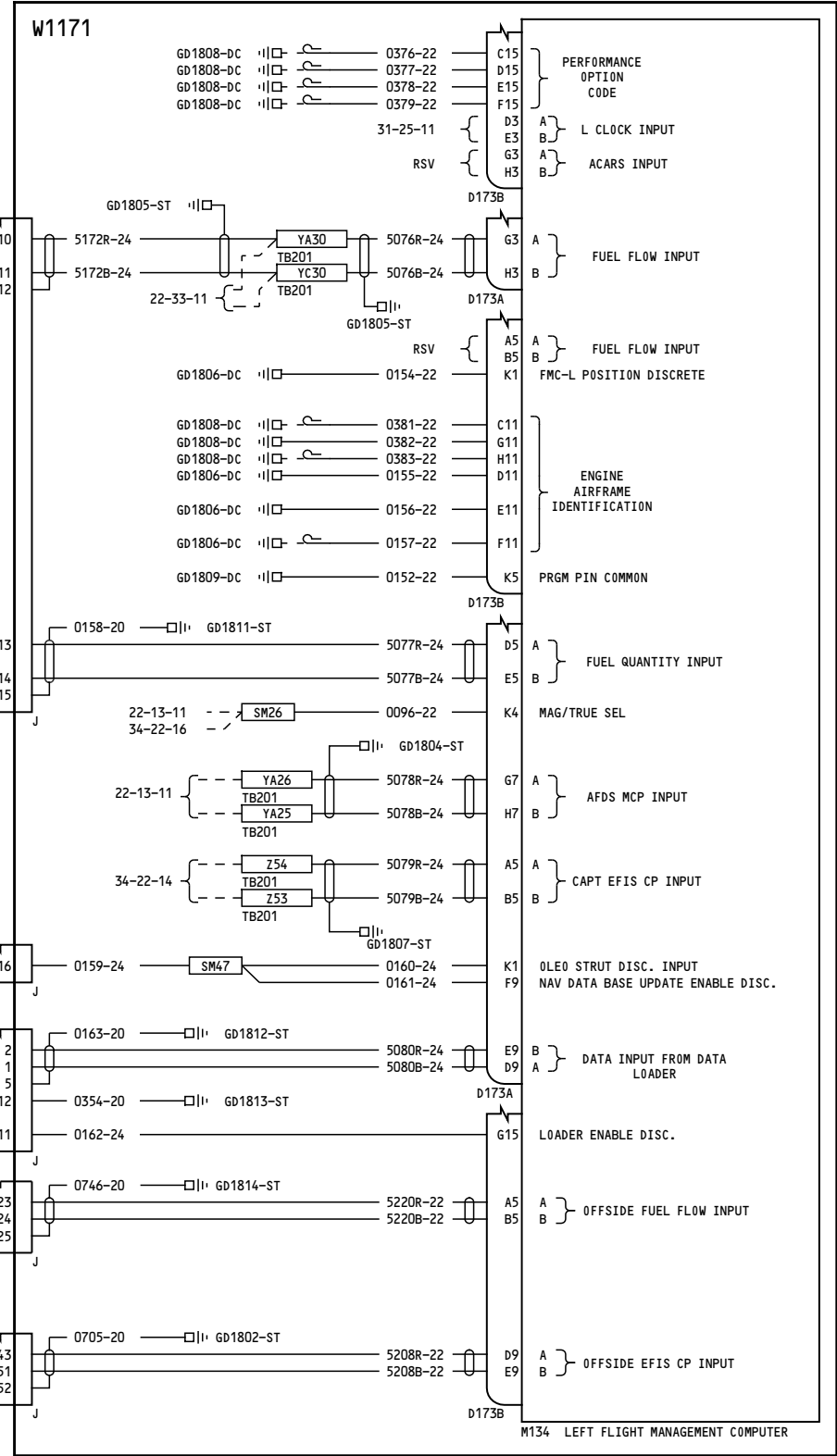
E3-4 SHELF



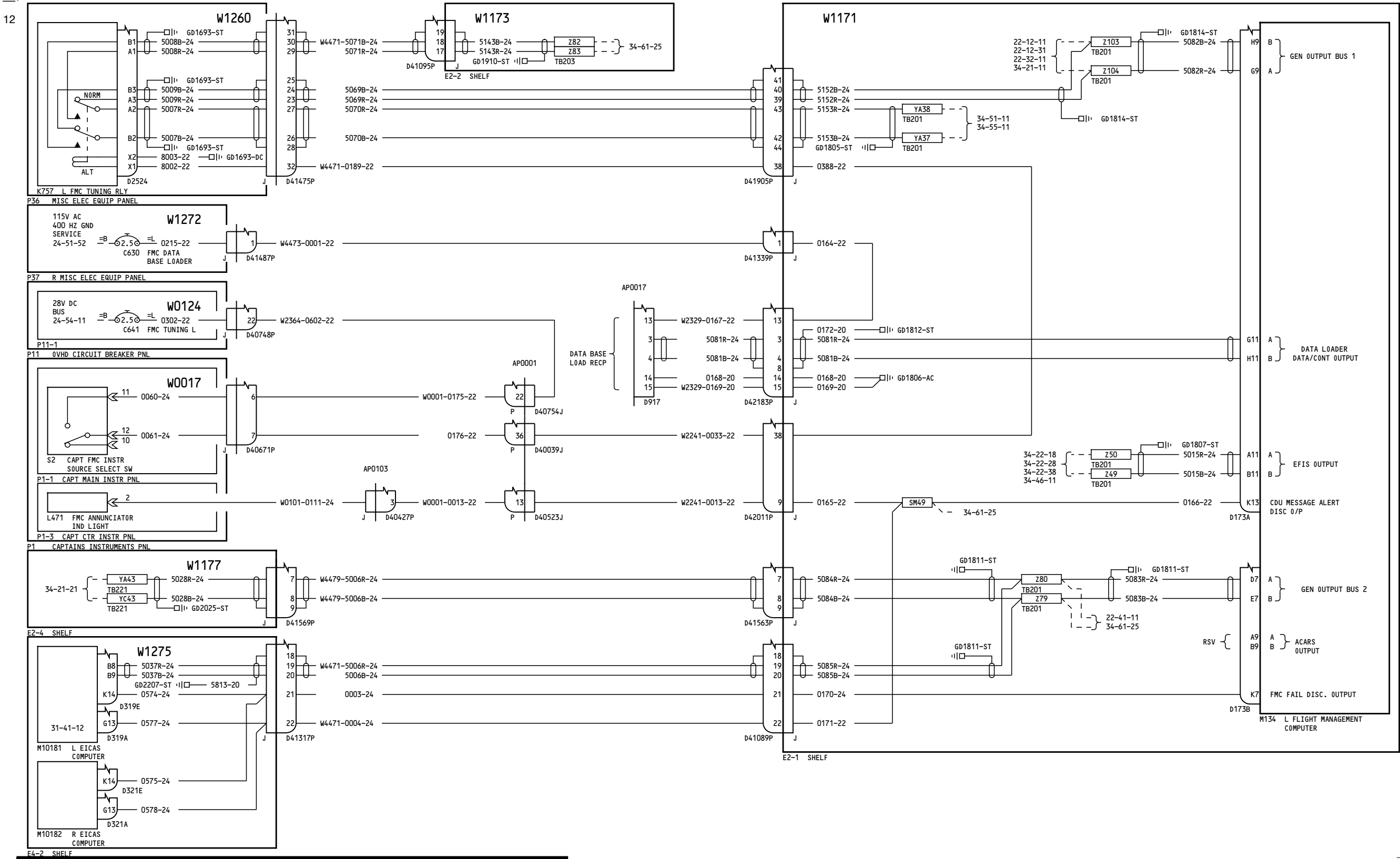
P36 MISC ELEC EQUIP PANEL



E2-2 SHELF



E2-1 SHELF



001-008

LEFT FMC/EFIS/DATA
LOADER GENERAL - OUTPUTS

34-61-15

Page 1

Jan 21/2005

D280N032

34-61-15

Page 1

Jan 21/2005



34-61-15

Jan 21/2005

Incorporates
▶ 34-0301

34-61-15

Jan 21/2005



Page 2

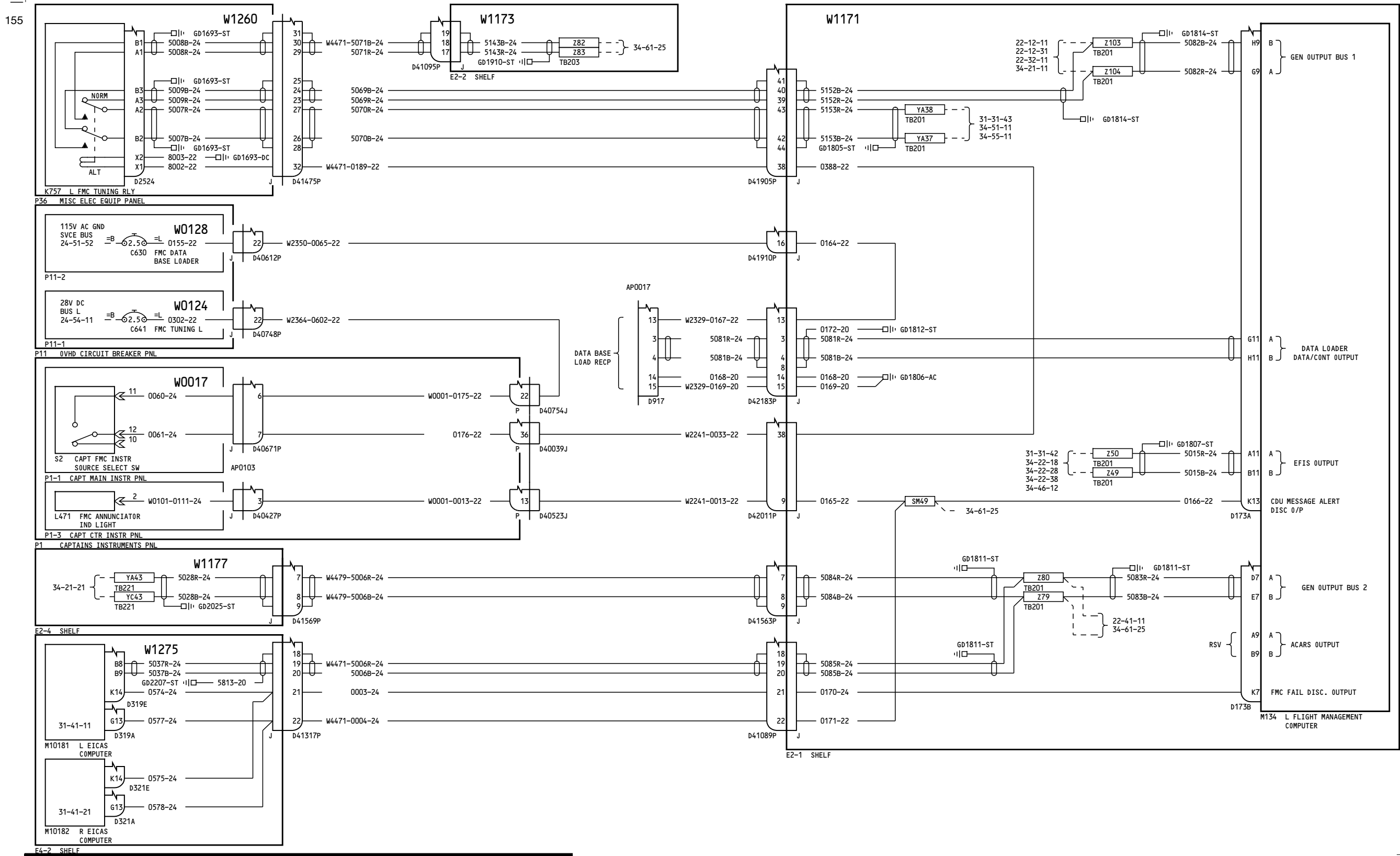
Jan 21/2005

D280N032

Page 2

Jan 21/2005

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details



010-011

**LEFT FMC/EFIS/DATA
LOADER GENERAL - OUTPUTS**

34-61-15

Page 2.1

Jan 21/2005

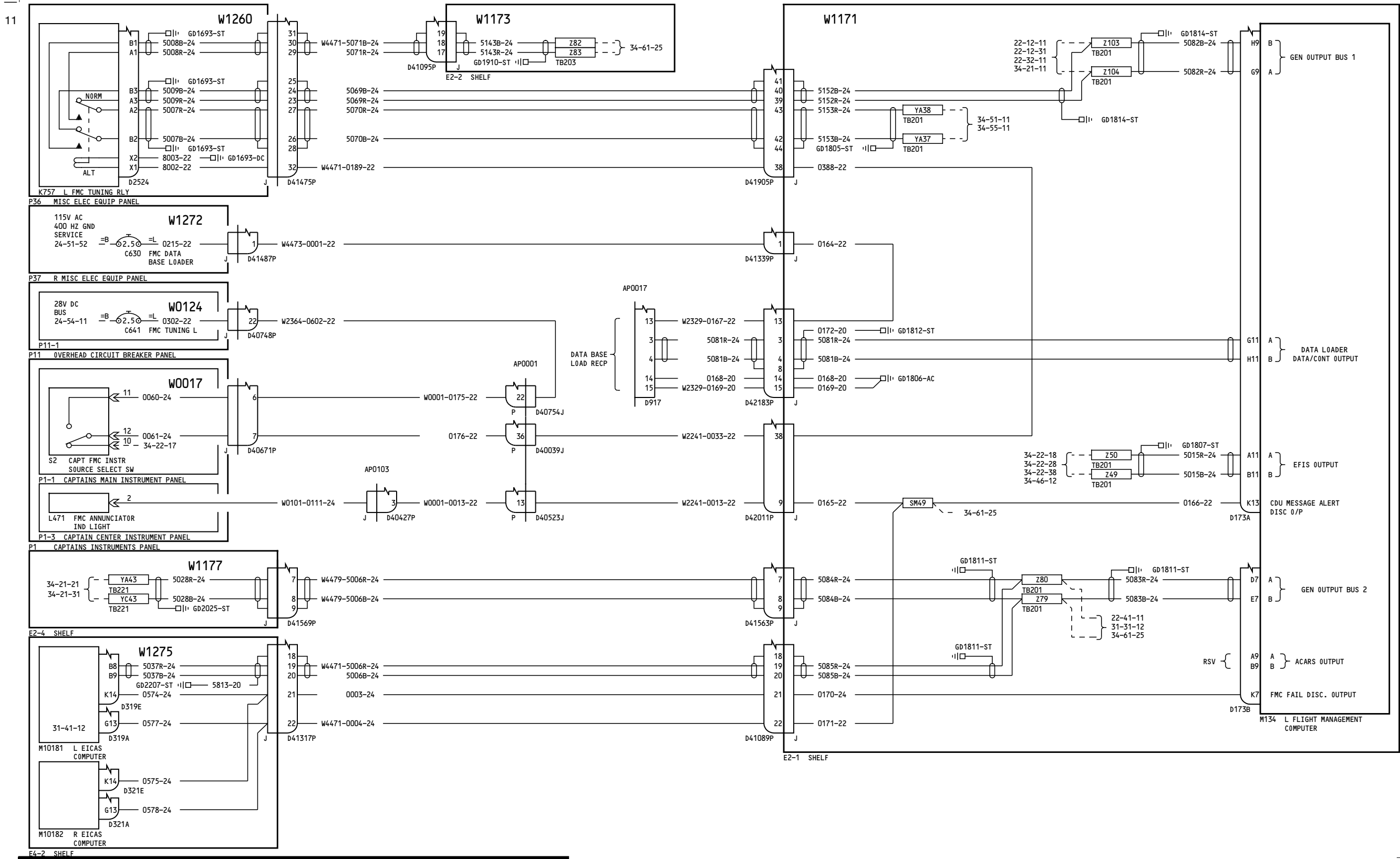
D280N032

Incorporates
31-0094

34-61-15

Page 2.1

Jan 21/2005



115-199

LEFT FMC/EFIS/DATA
LOADER GENERAL - OUTPUTS

34-61-15

Page 3

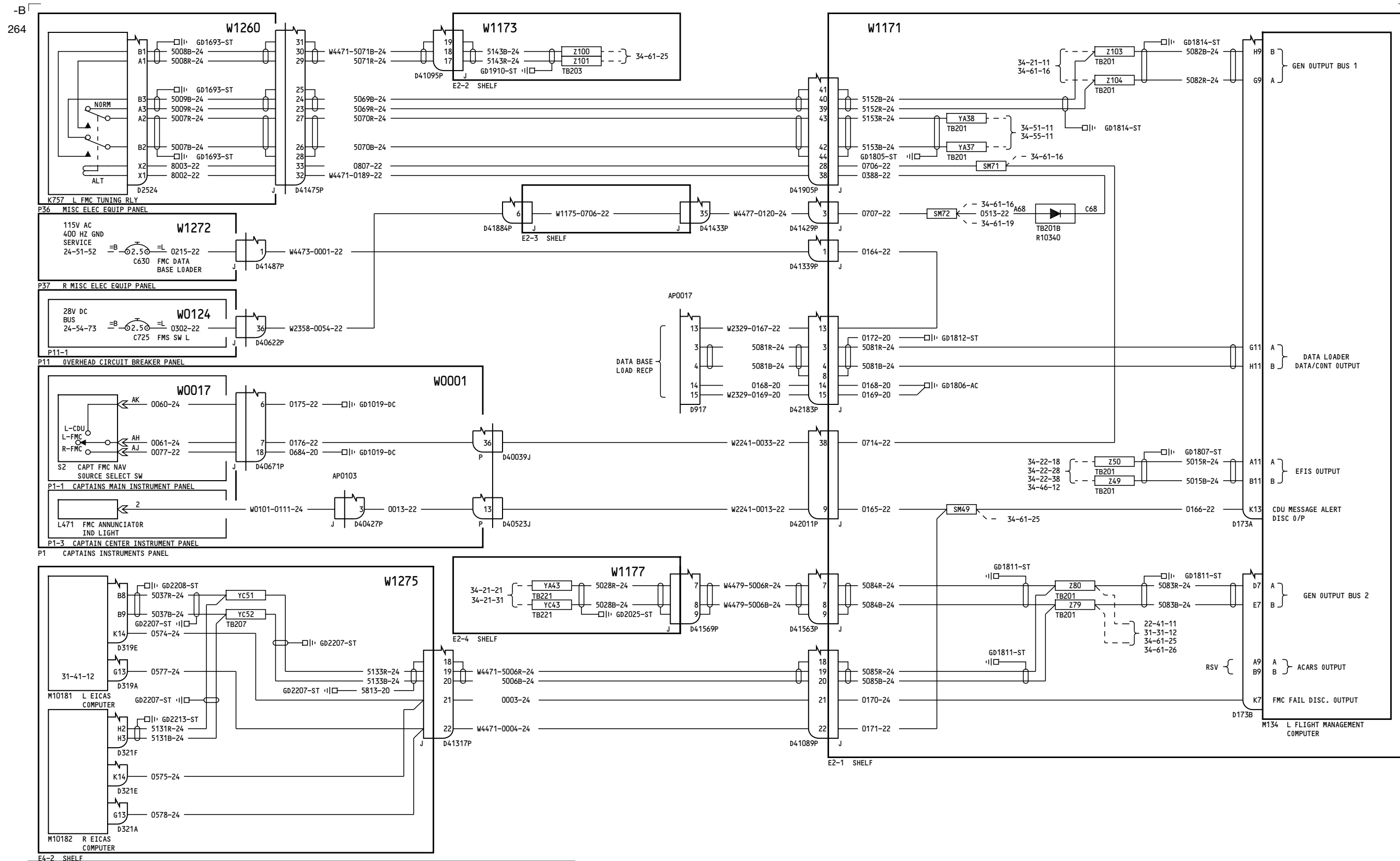
Jan 21/2005

D280N032

34-61-15

Page 3

Jan 21/2005



115

LEFT FMC/EFIS/DATA
LOADER GENERAL - OUTPUTS

34-61-15

Page 3.1

Dec 18/2007

D280N032

Incorporates
34-0400
34-0414

34-61-15

Page 3.1

Dec 18/2007

34-61-16

Page 1.1

Oct 09/2008

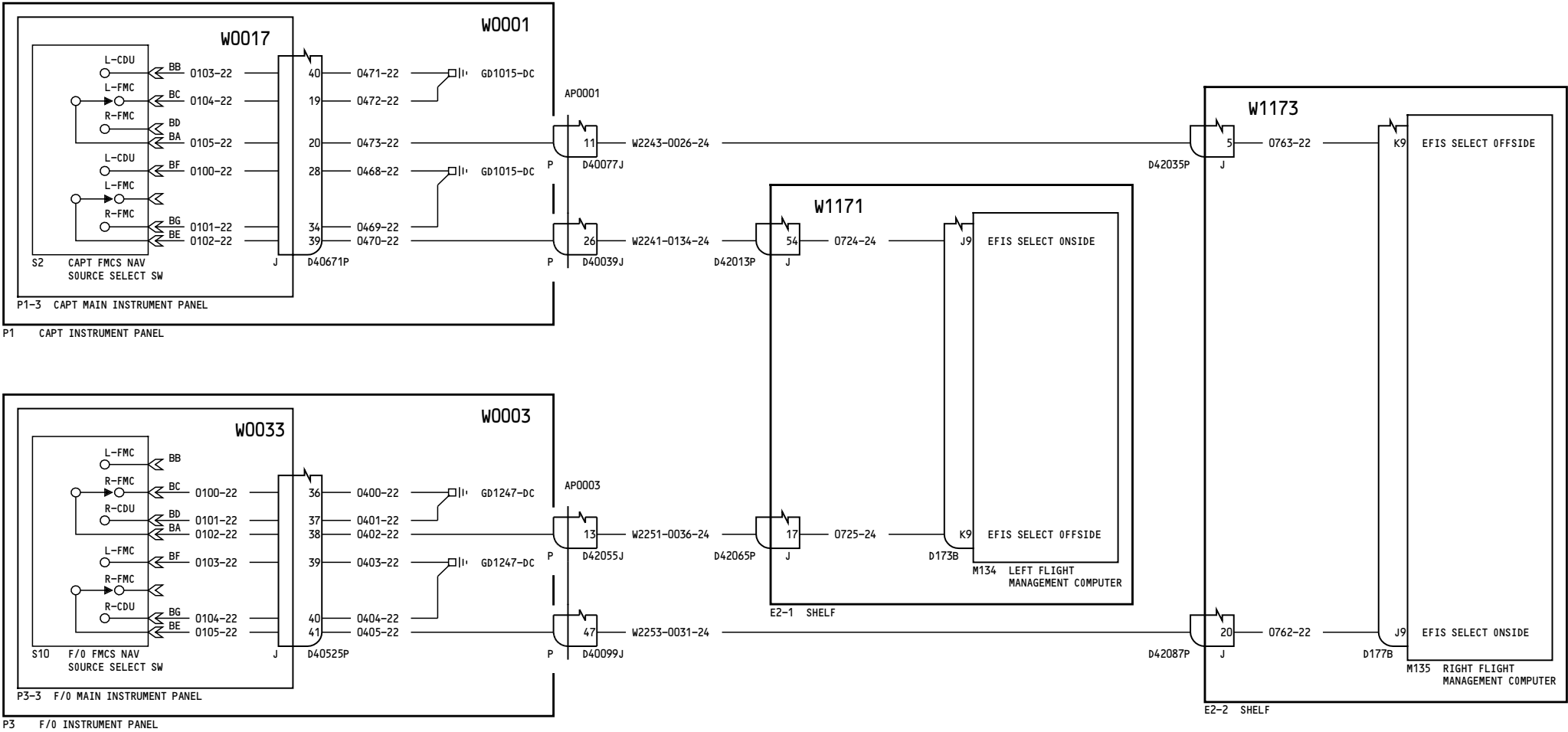
D280N032

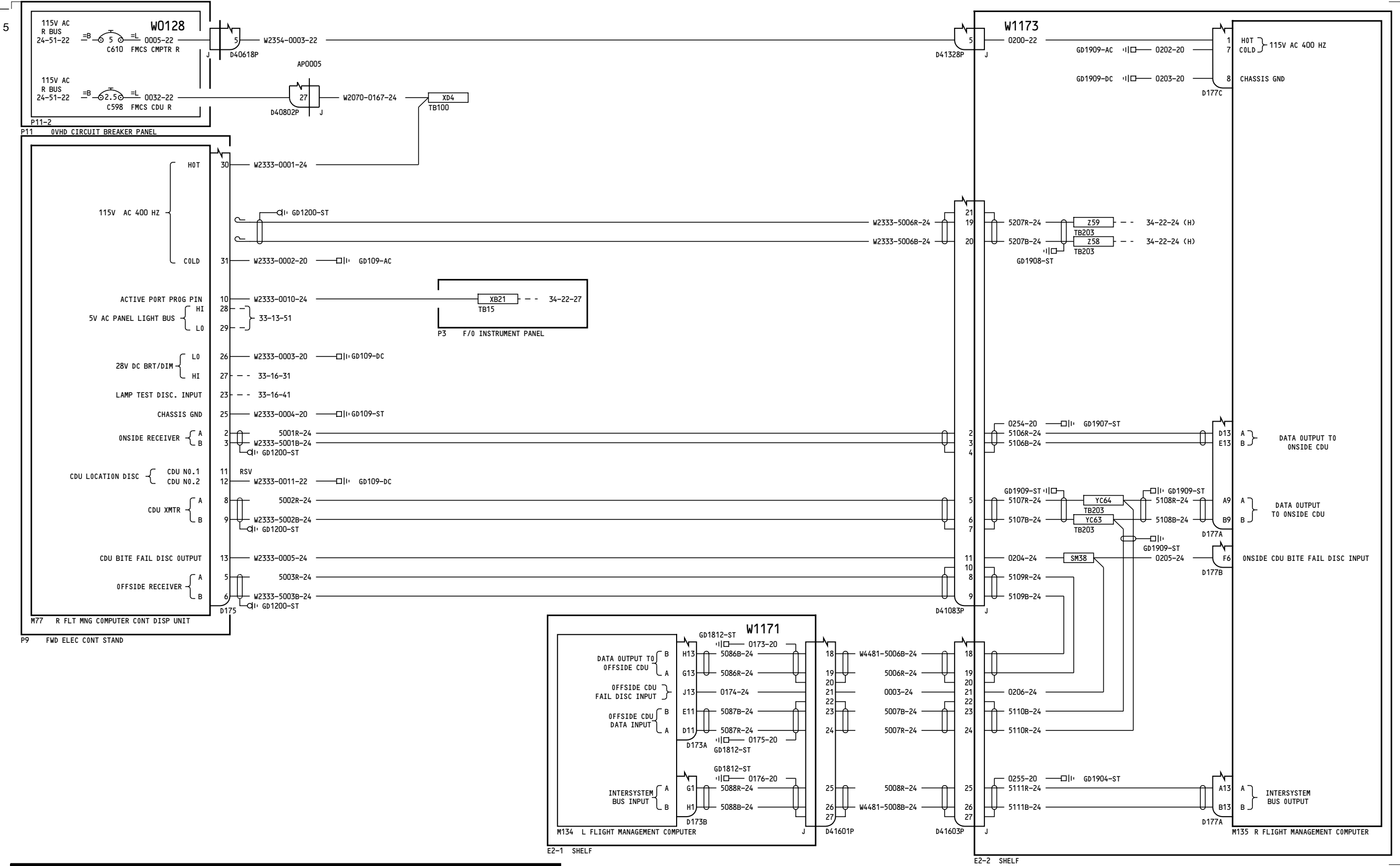
Incorporates
▶ 34-0414

34-61-16

Page 1.1

Oct 09/2008





001-099

RIGHT FMC/CDU INTERFACE

34-61-21

Page 1

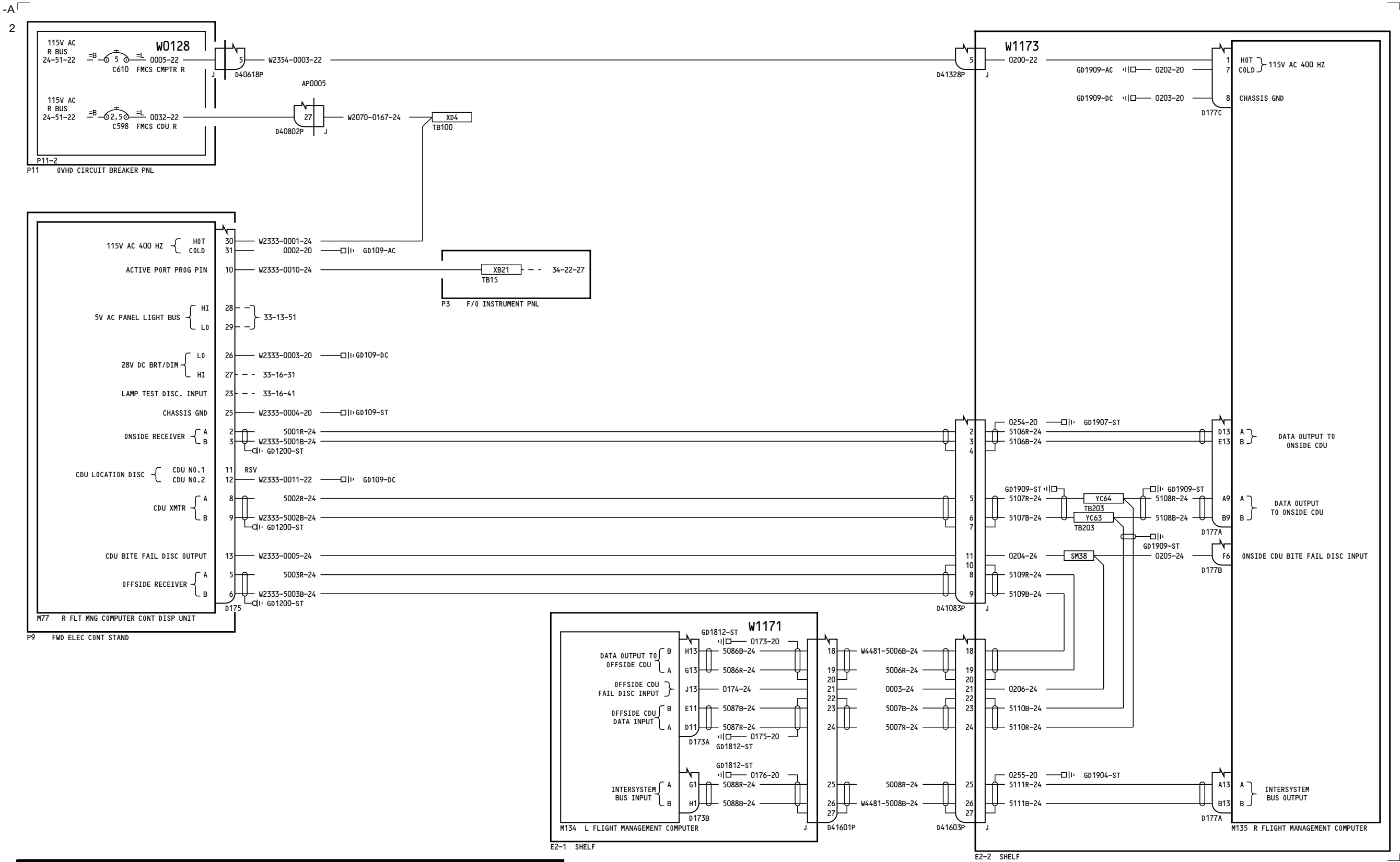
D280N032

Dec 18/2007

34-61-21

Page 1

Dec 18/2007



115-199

RIGHT FMC/CDU INTERFACE

34-61-21

Page 2

Jan 21/2005

D280N032

34-61-21

Page 2

Jan 21/2005



The diagram illustrates the electrical wiring for two shelves, E2-1 and E2-2. It shows the interconnections between various components, including circuit breakers, relays, and control units.

W0128 (P11-2) 0VHD CIRCUIT BREAKER PNL: This unit is connected to 115V AC R BUS (24-51-22) and 115V AC R BUS (24-51-22). It includes components like C610, FMCS CMPTR R, C598, FMCS CDU R, and D40618P. It is connected to W2354-0003-22 and W2070-0167-24 (XD4 TB100).

W1173: This unit is connected to 115V AC 400 HZ (HOT, COLD) and CHASSIS GND. It includes components like GD1909-AC, GD1909-DC, 0202-20, 0203-20, D177C, 5207R-22, 5207B-22, 5206R-22, 5206B-22, GD1908-ST, TB203, Z59, Z58, YA64, YA63, 34-22-24 (H), 34-61-22, 34-61-22, A3, B3, R IRS INPUT, D177B, 5106R-24, 5106B-24, YA52, YA51, TB203, 34-61-11, 34-61-11, D13, E13, DATA OUTPUT TO INSIDE CDU, GD1909-ST, YC64, YC63, TB203, 5108R-24, 5108B-24, A9, B9, DATA OUTPUT TO INSIDE CDU, D177A, 0204-24, SM38, GD1909-ST, 0205-24, D177B, 3, ONSIDE CDU BITE FAIL DISC INPUT, 5109R-24, 5109B-24, 11, 10, 8, 9, D41083P, J, 0200-22, D41328P, J, 5, W1173.

W1171: This unit is connected to 115V AC 400 HZ (HOT, COLD) and CHASSIS GND. It includes components like GD1812-ST, 0173-20, 5086B-24, 5086R-24, 0174-24, 1, 5087B-24, 5087R-24, 0175-20, 5088B-24, 5088R-24, D173B, D173A, GD1812-ST, 0176-20, 5008R-24, 5008B-24, W4481-5006B-24, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, D41601P, J, D41603P, J, 0206-24, 5110B-24, 5110R-24, 0255-20, 5111R-24, 5111B-24, GD1904-ST, A13, B13, INTERSYSTEM BUS OUTPUT, D177A, M135 R FLIGHT MANAGEMENT COMPUTER.

M134 L FLIGHT MANAGEMENT COMPUTER: This unit is connected to 115V AC 400 HZ (HOT, COLD) and CHASSIS GND. It includes components like DATA OUTPUT TO OFFSIDE CDU, OFFSIDE CDU FAIL DISC INPUT, OFFSIDE CDU DATA INPUT, INTERSYSTEM BUS INPUT, G1, H1, D173B, D173A, GD1812-ST, 0176-20, 5008R-24, 5008B-24, W4481-5006B-24, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, D41601P, J, D41603P, J, 0206-24, 5110B-24, 5110R-24, 0255-20, 5111R-24, 5111B-24, GD1904-ST, A13, B13, INTERSYSTEM BUS OUTPUT, D177A, M135 R FLIGHT MANAGEMENT COMPUTER.

W77 R FLT MNG COMPUTER CONT DISP UNIT: This unit is connected to 115V AC 400 HZ (HOT, COLD) and CHASSIS GND. It includes components like EFIS CP INPUT, R IRS INPUT, 115V AC 400 HZ (HOT, COLD), 5V AC PANEL LIGHT BUS, 28V DC BRT/DIM, LAMP TEST DISC. INPUT, CHASSIS GND, ONSIDE RECEIVER, CDU LOCATION DISC, CDU XMTR, CDU BITE FAIL DISC OUTPUT, OFFSIDE RECEIVER, M77, R FLT MNG COMPUTER CONT DISP UNIT, P9 FWD ELEC CONT STAND.

NOTES:

- 1 CAP & STOW NEAR D173A
- 2 CAP & STOW NEAR D175
- 3 CAP & STOW NEAR D177B

RIGHT FMC/CDU INTERFACE

34-61-21

Page 2.1

Dec 18/2007

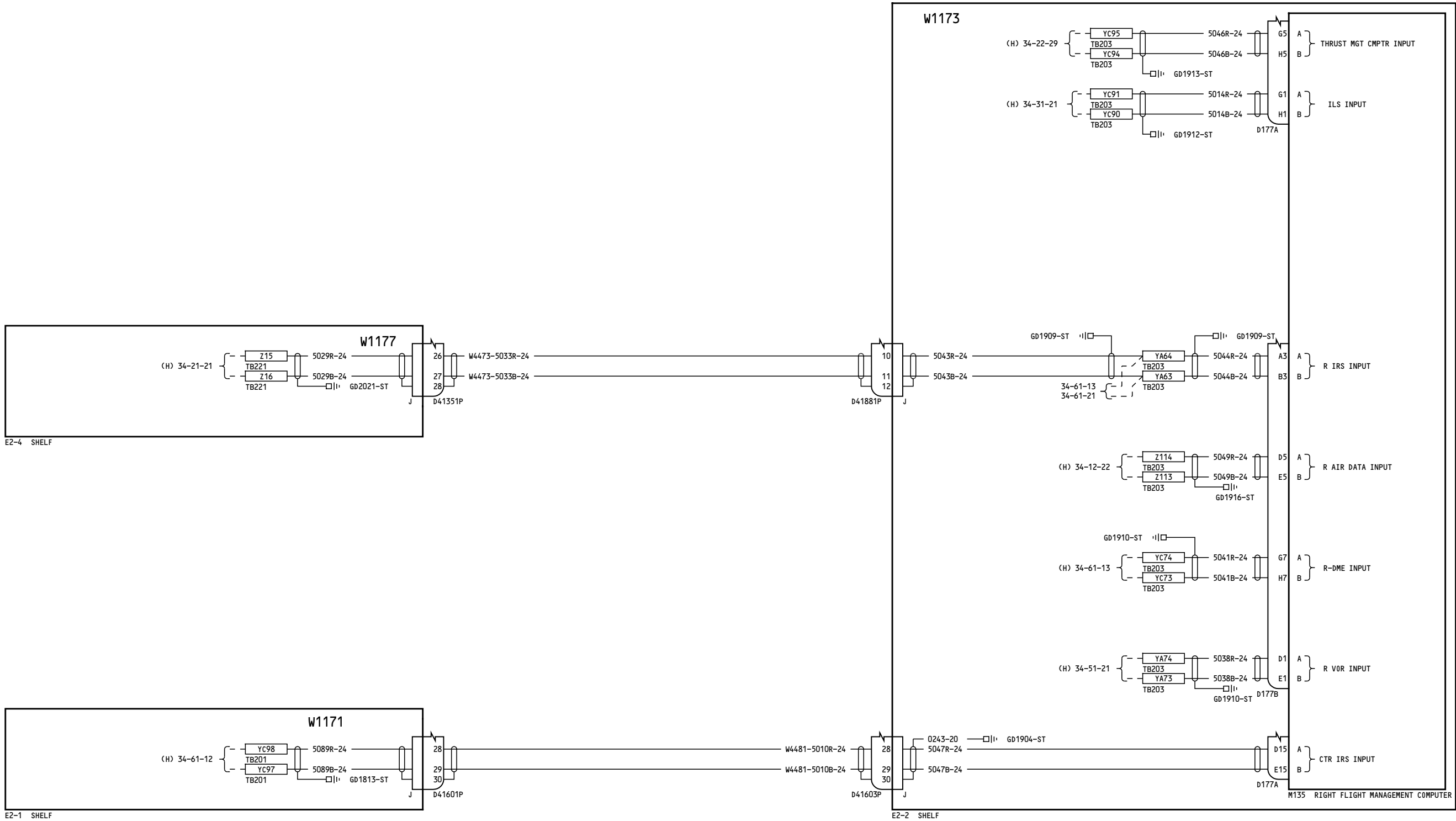
Incorporates
▶ 34-0414

34-61-21

Page 2.1

Dec 18/2007

-A
3



001-099

RIGHT FMC/RIGHT NAV/TMC -
INPUTS

D280N032

34-61-22

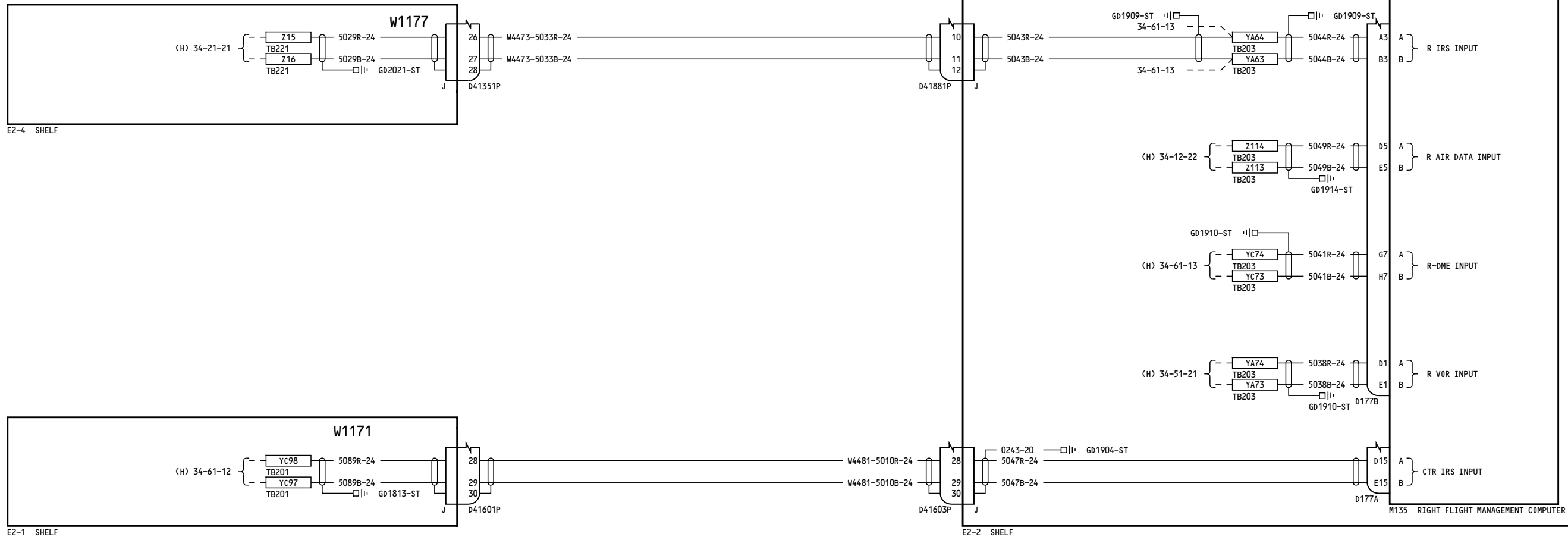
Page 1

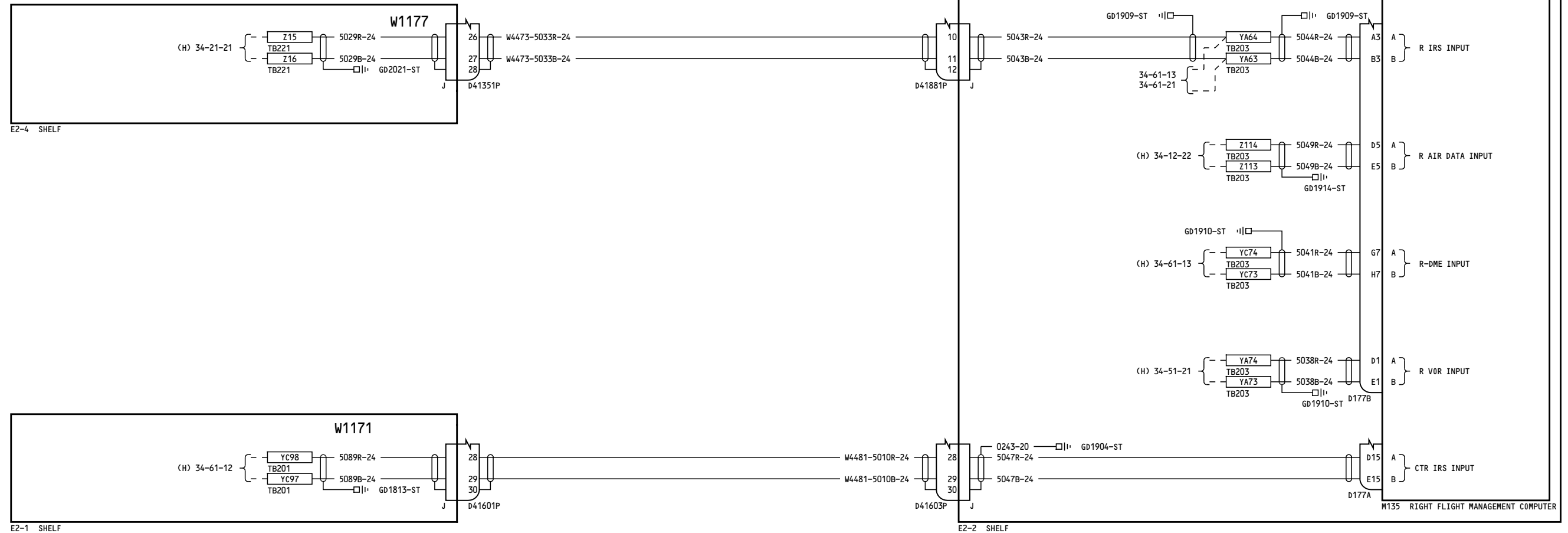
Jan 21/2005

34-61-22

Page 1

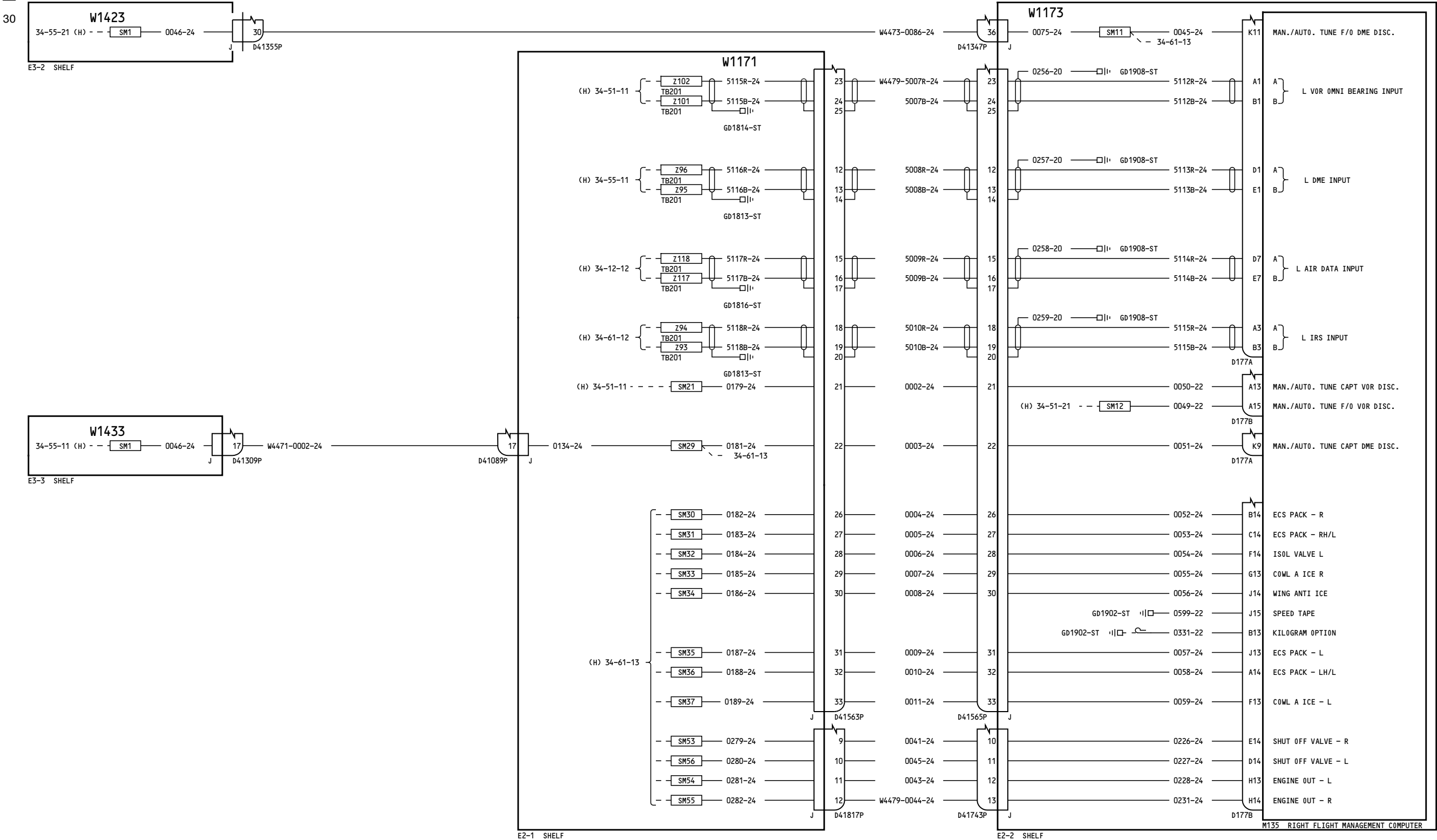
Jan 21/2005







Jan 21/2005



004, 006-008

RIGHT FMC/LEFT NAV/
AUTOTUNE DISCRETE -
INPUTS

D280N032

34-61-23

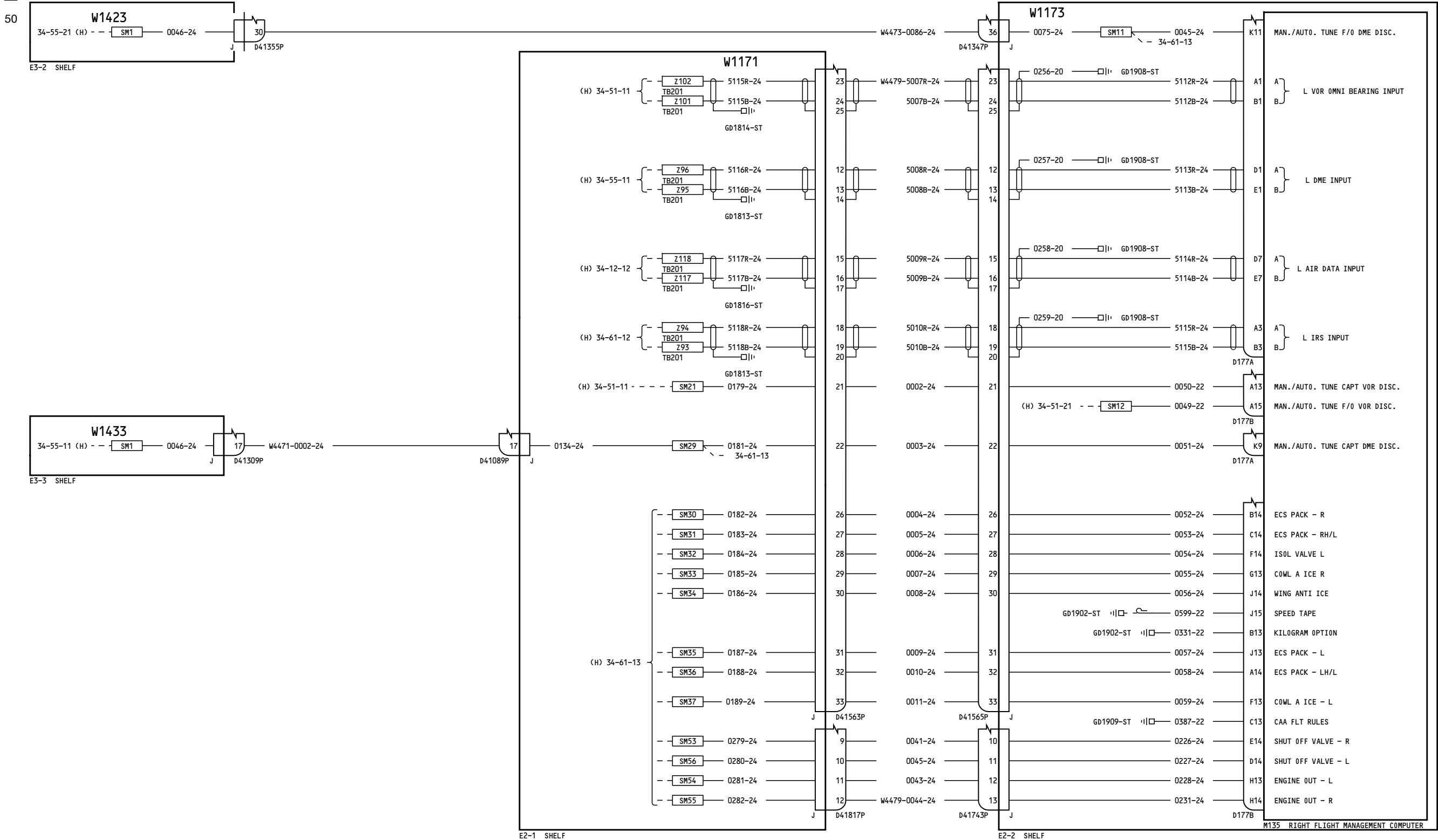
Page 2

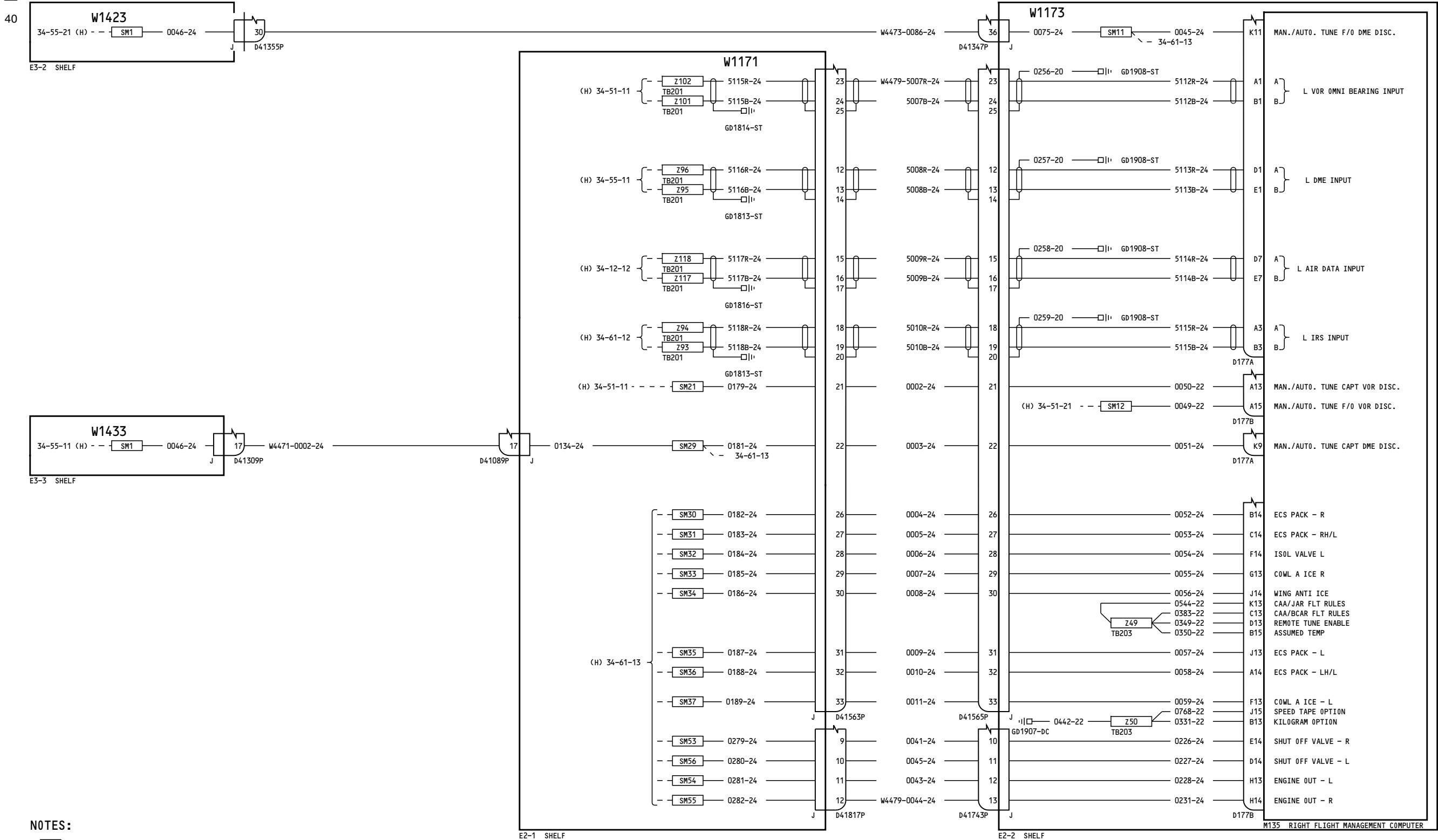
Jan 21/2005

34-61-23

Page 2

Jan 21/2005





011-099

RIGHT FMC/LEFT NAV/
AUTOTUNE DISCRETE -
INPUTS

D280N032

34-61-23

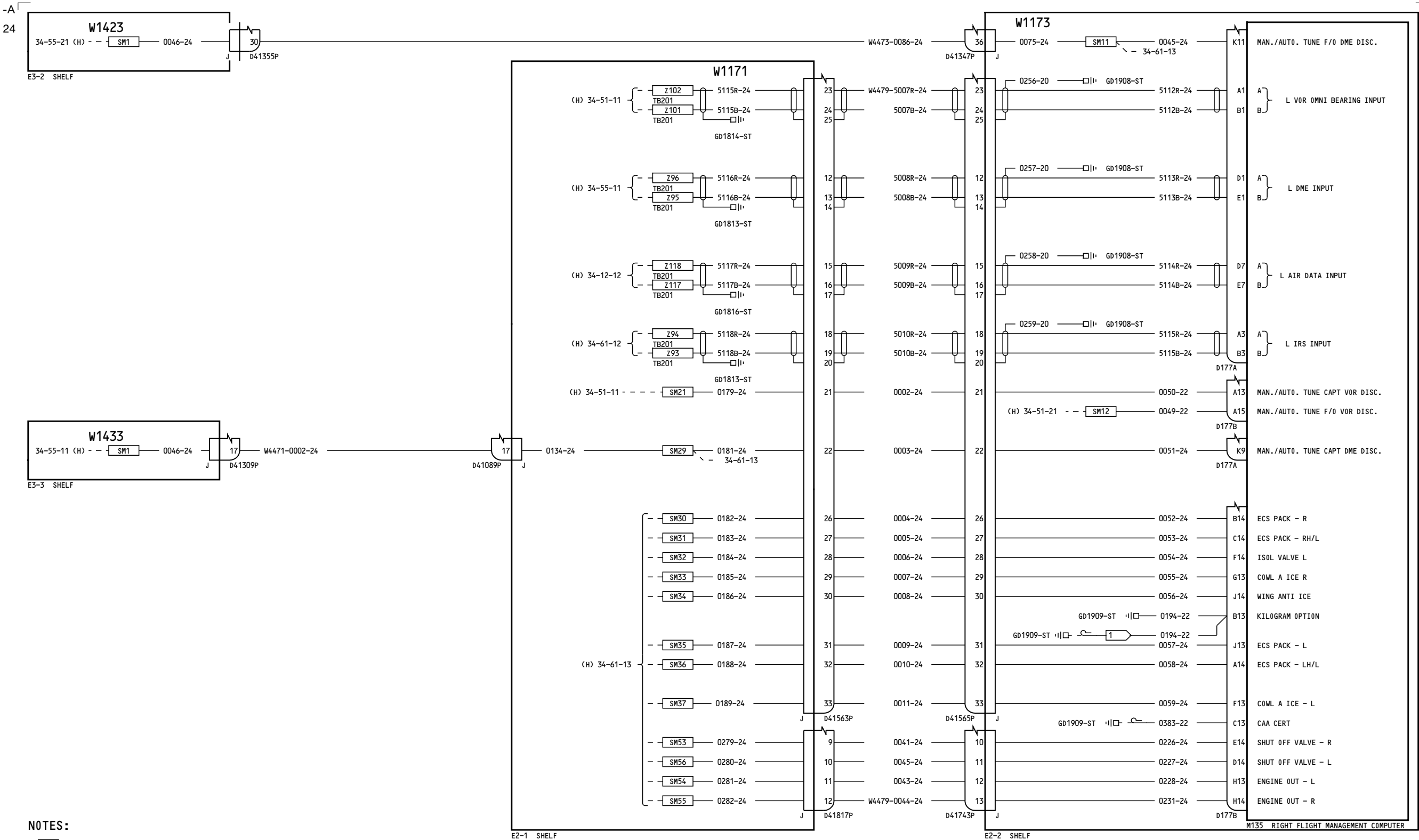
Page 4

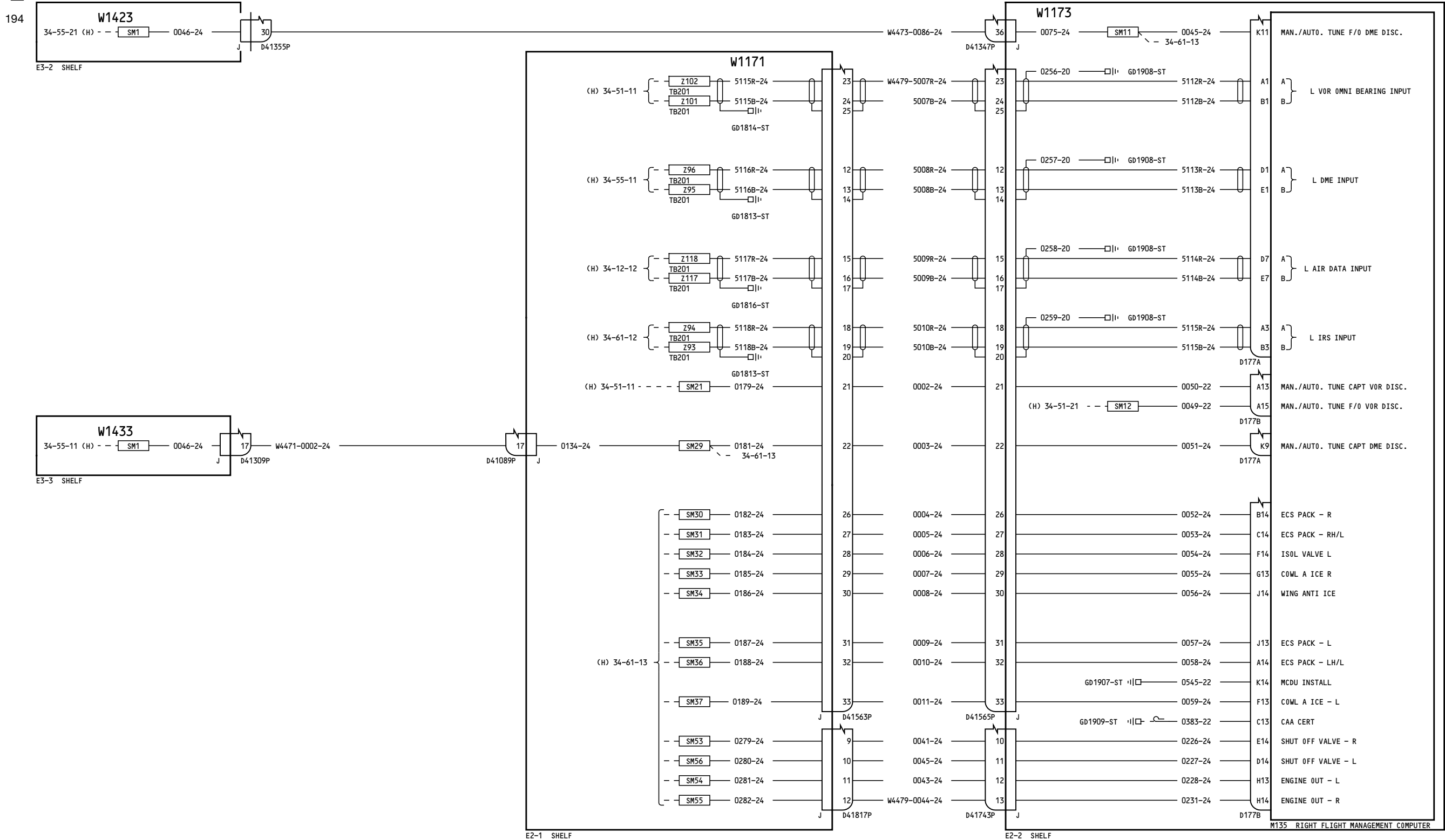
Jan 21/2005

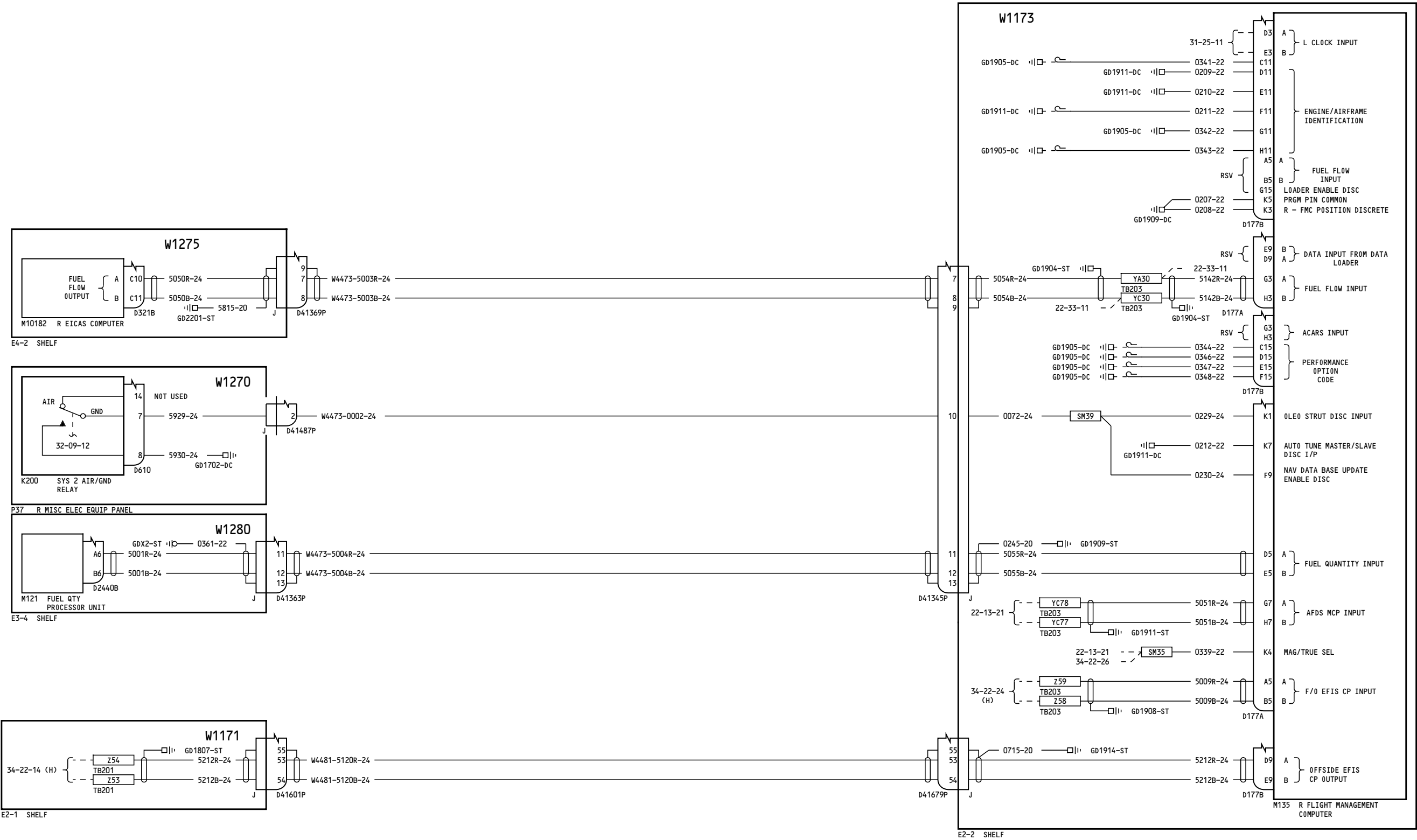
34-61-23

Page 4

Jan 21/2005







001-010

RIGHT FMC/AFDS/MCP/EFIS/
MISC - INPUTS

34-61-24

Page 1

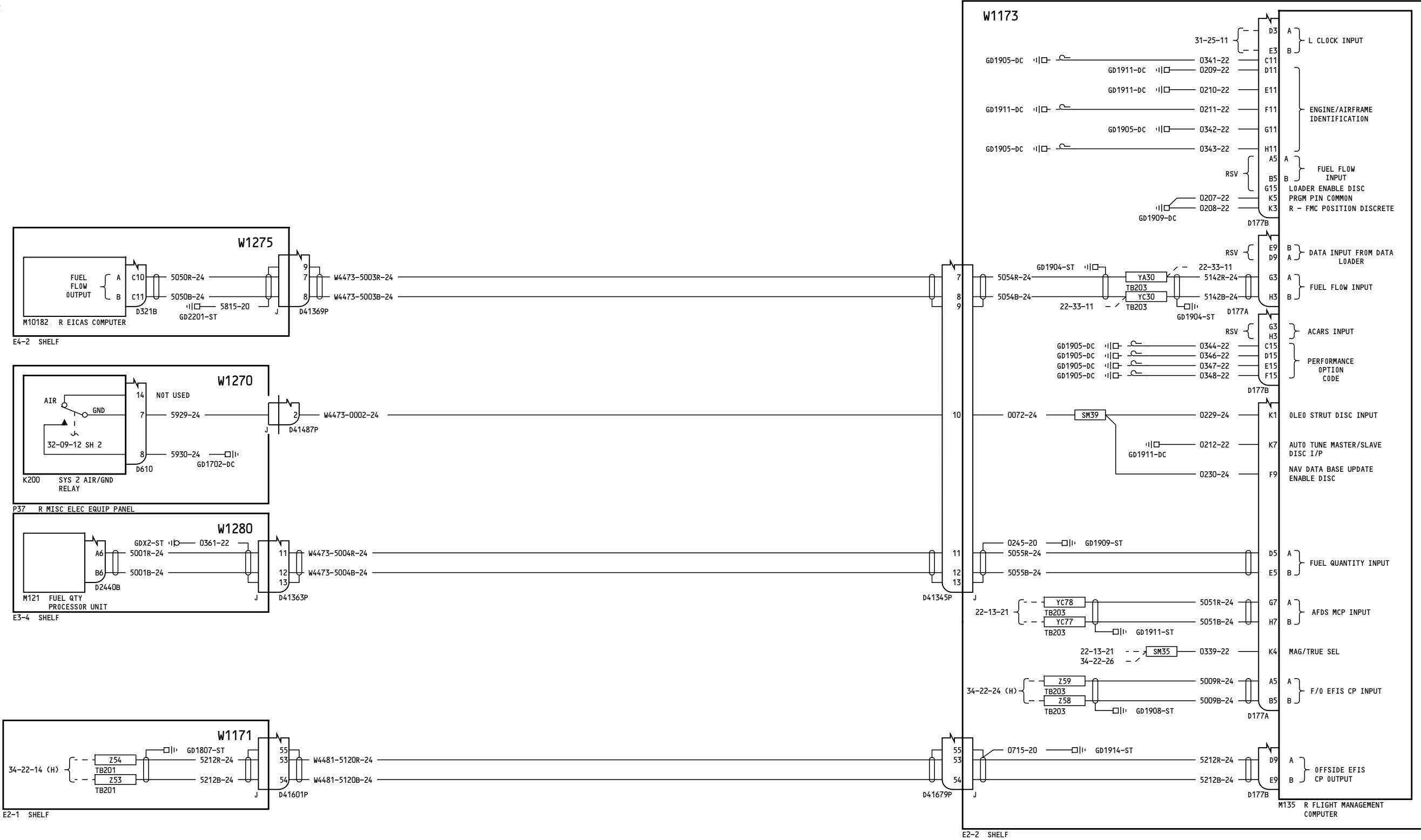
Jan 21/2005

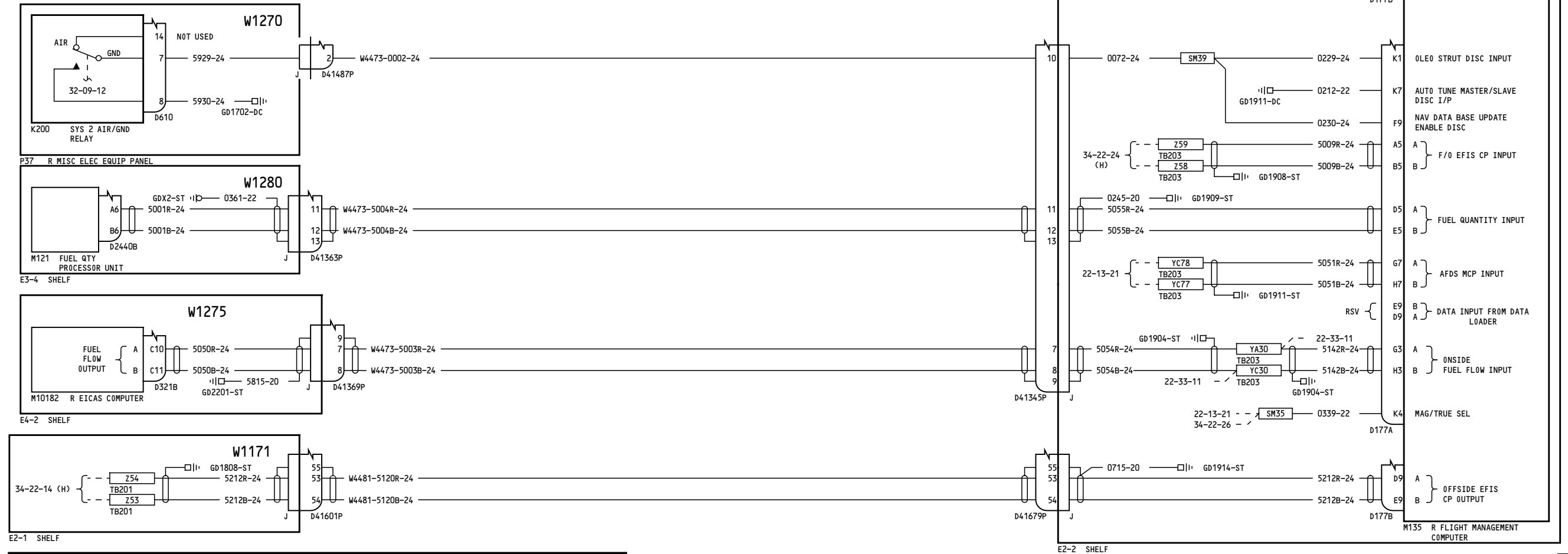
D280N032

34-61-24

Page 1

Jan 21/2005





011-099

RIGHT FMC/AFDS/MCP/EFIS/ MISC - INPUTS

34-61-24

Page 2

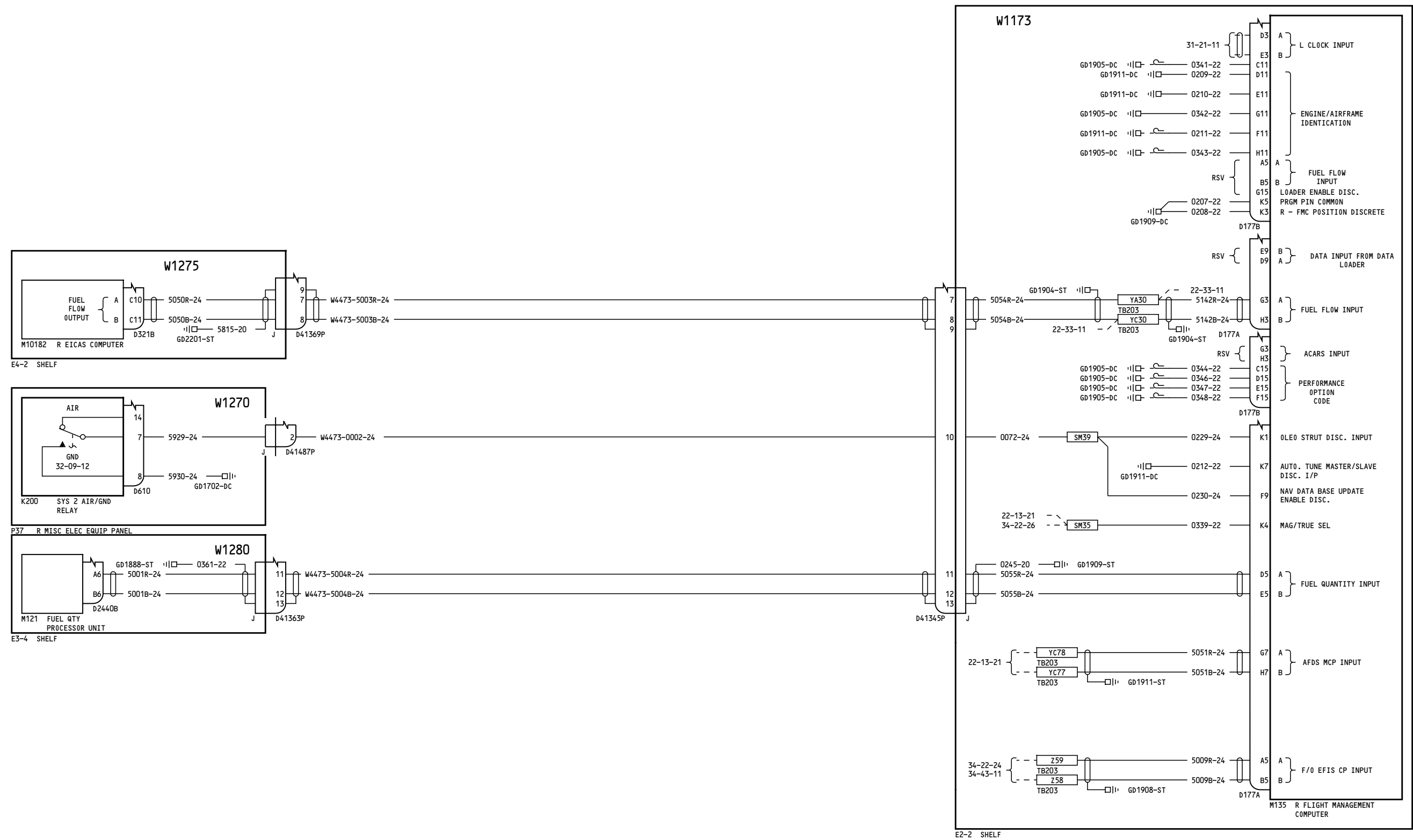
Jan 21/2005

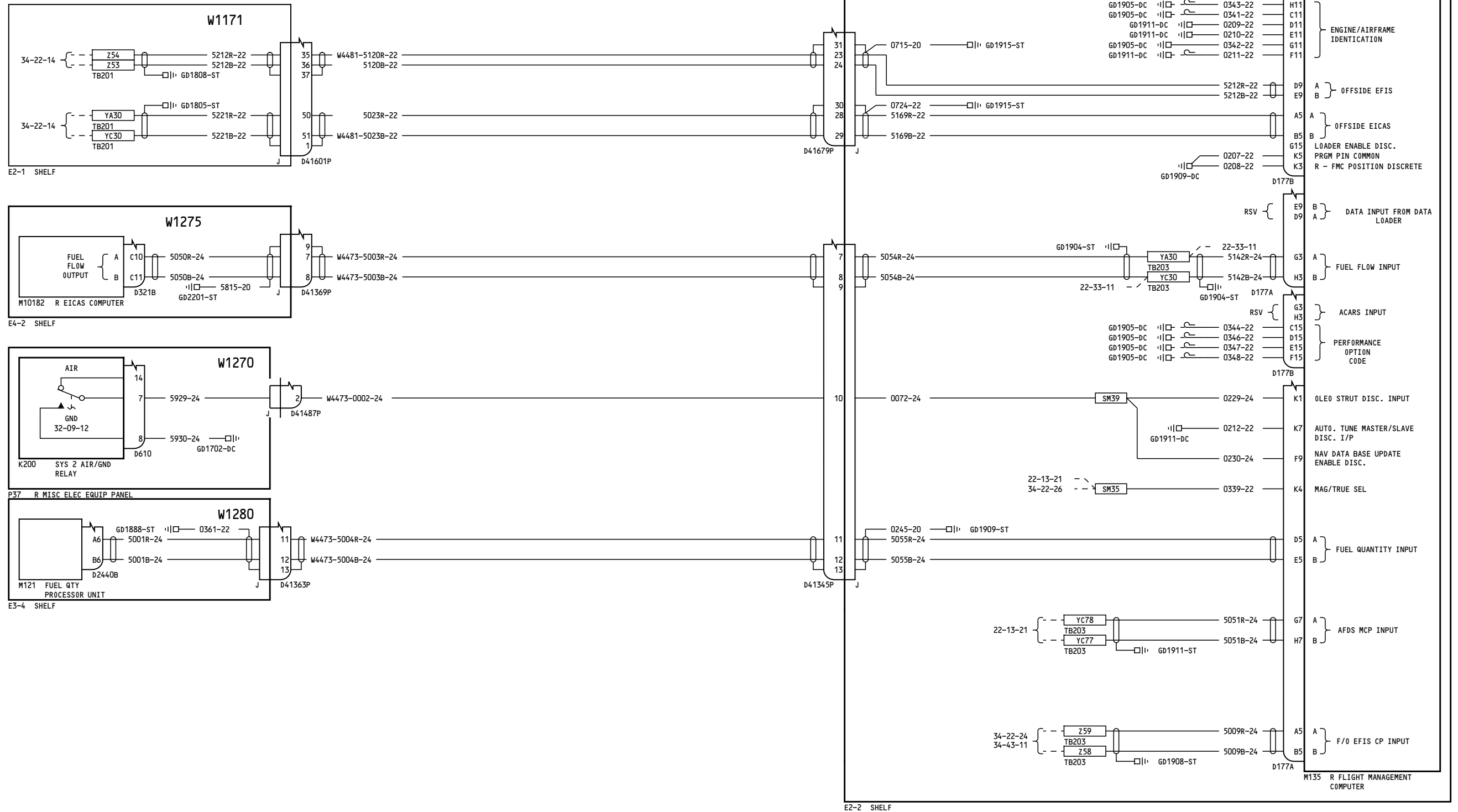
D280N032

34-61-24

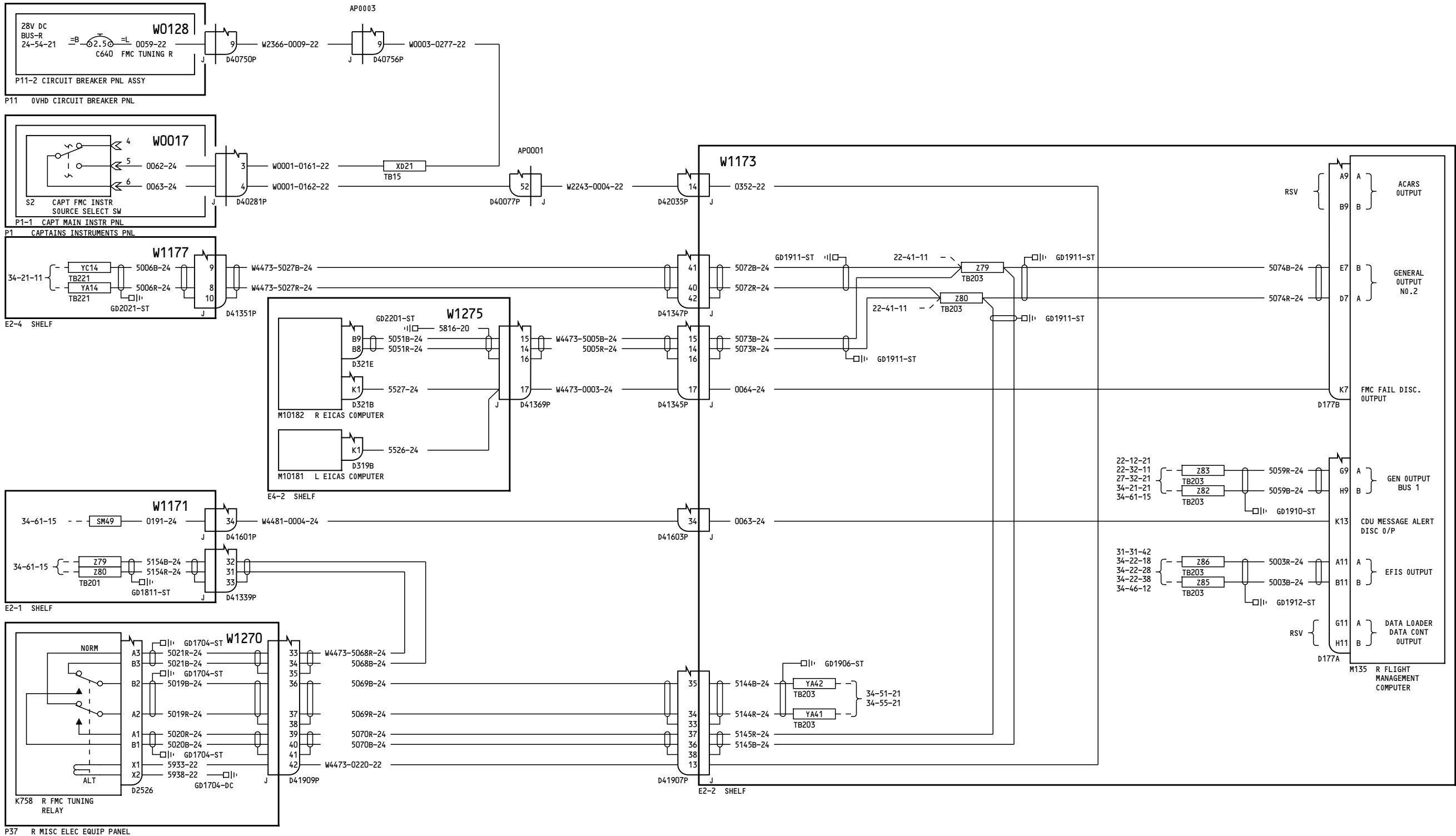
Page 2

Jan 21/2005

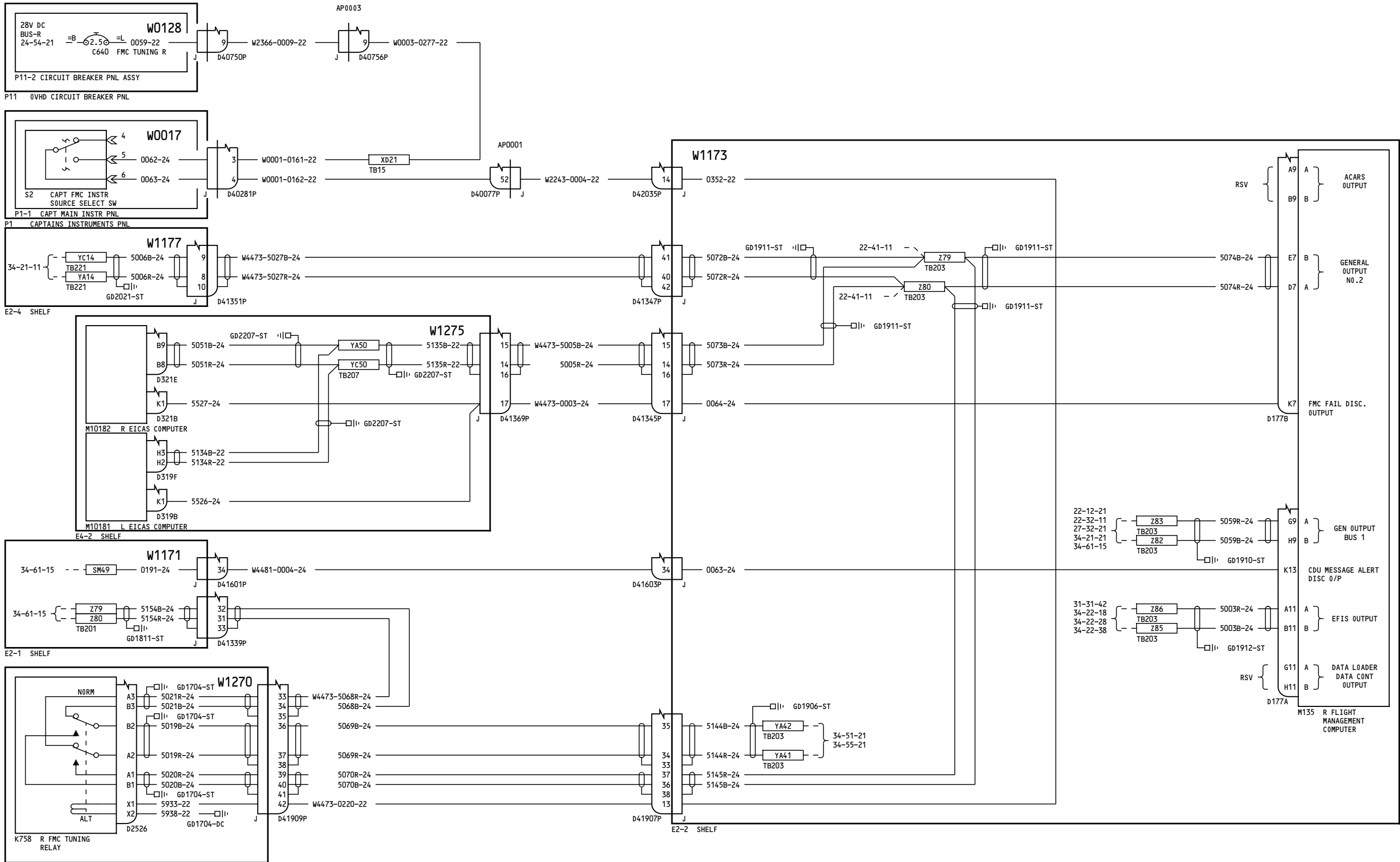








-A
157



P37 R MISC ELEC EQUIP PANEL

003

RIGHT FMC/EFIS/DATA
LOADER GENERAL - OUTPUTS

D280N032

34-61-25

Page 1.2

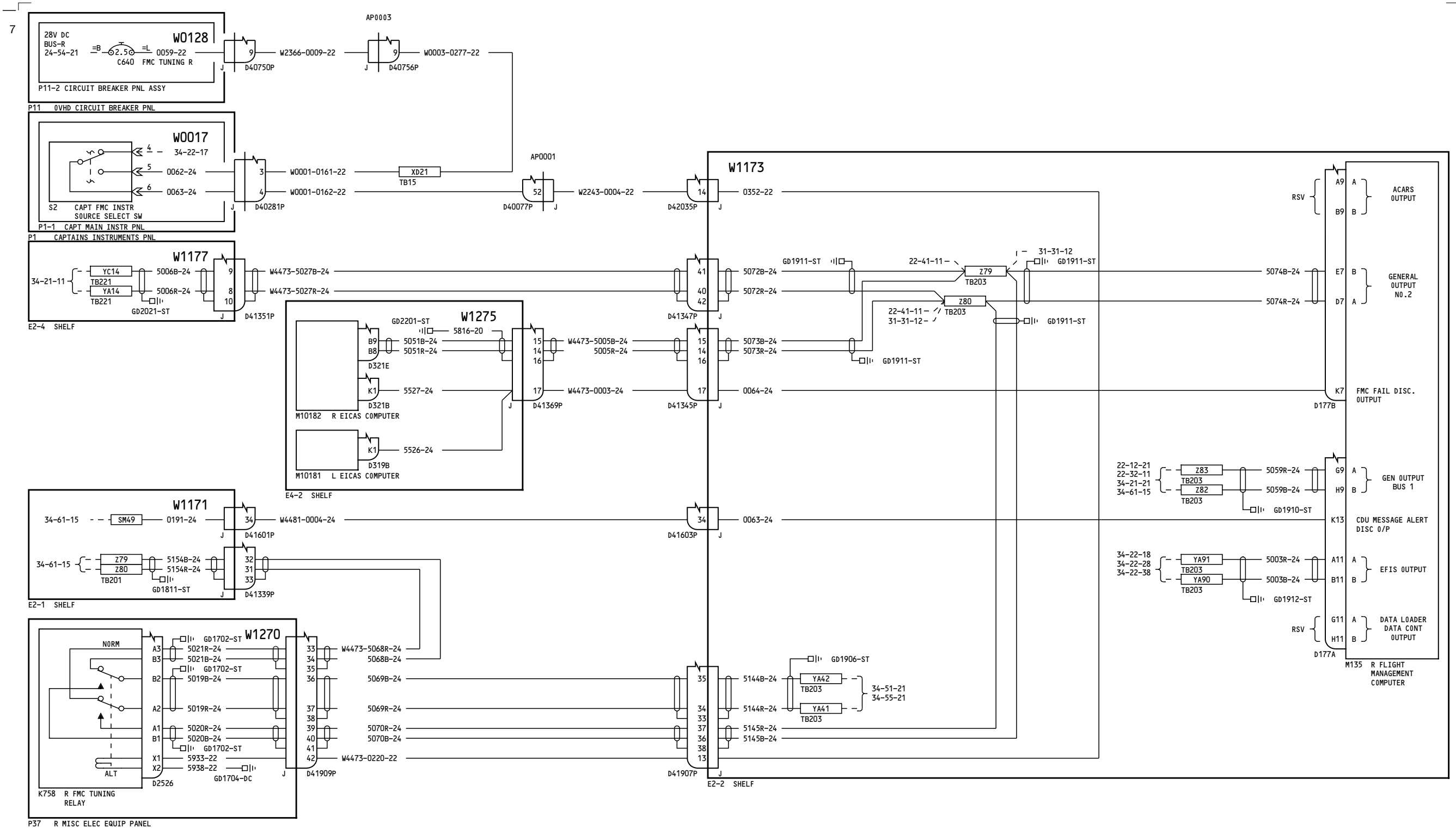
Jan 21/2005

Incorporates
34-0301

34-61-25

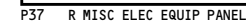
Page 1.2

Jan 21/2005





203



RIGHT FMC/EFIS/DATA LOADER GENERAL - OUTPUTS

D280N032

34-61-25

Page 2.1

Dec 18/2007

Incorporates

▶ 34-0400

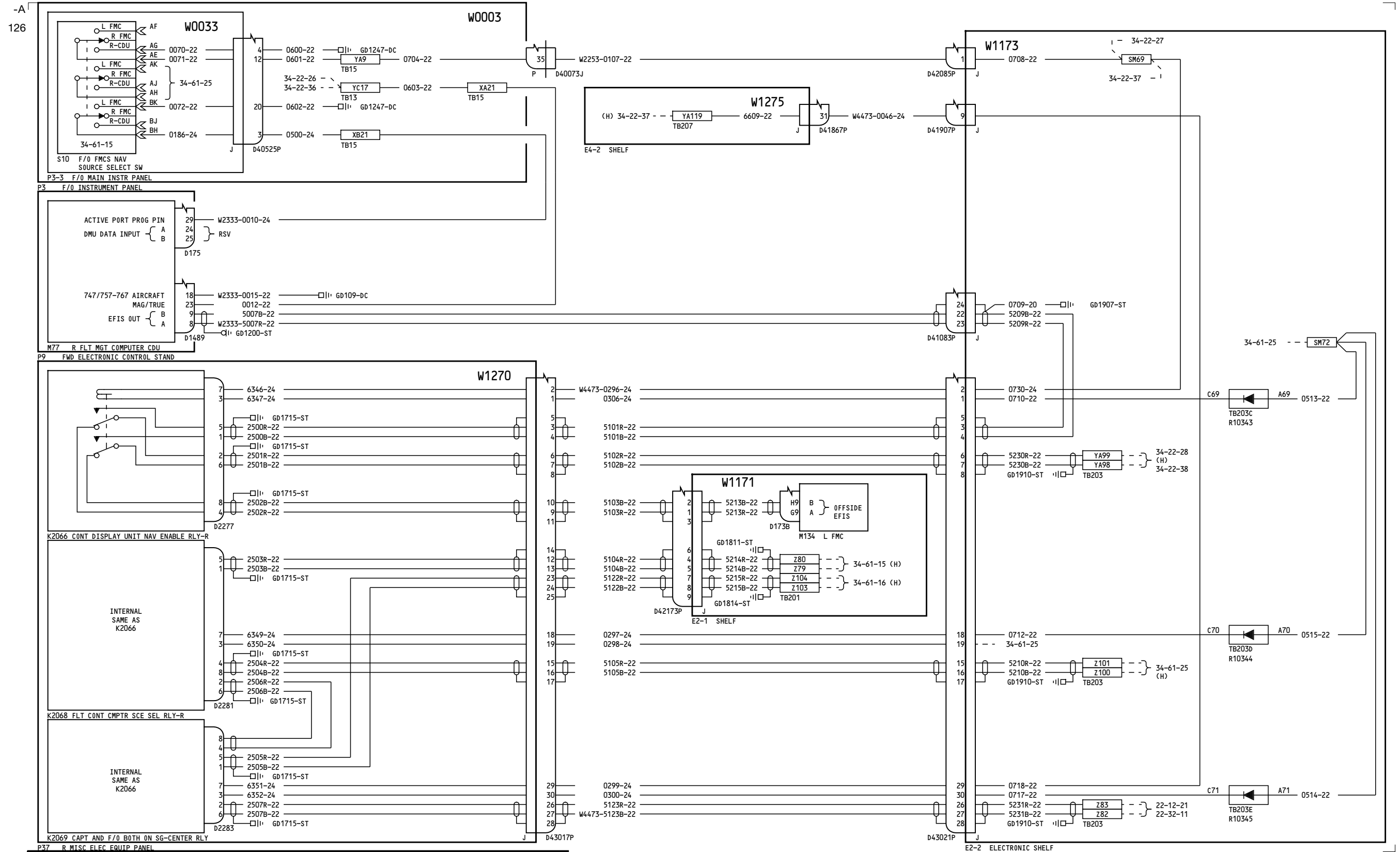
▶ 34-0414

34-61-25

Page 2.1

Dec 18/2007

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details.



RIGHT - FMS SWITCHING
RIGHT CDU MISC FUNCTIONS

34-61-26

Page 1.1

Oct 09/2008

D280N032

Incorporates
▶ 34-0414

34-61-26

Page 1.1

Oct 09/2008