CHAPTER 24

ELECTRICAL POWER

CHAPTER 24
ELECTRICAL POWER

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

24-EFFECTIVE PAGES

CHAPTER 24
ELECTRICAL POWER

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	24-28-11				
R			101		Jun 21/2016
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R			101		Jun 21/2016
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R			101		Jun 21/2016
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	24-53-11				
R			101	1	Jun 21/2016
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R			101		Jun 21/2016

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

CHAPTER 24
ELECTRICAL POWER

	CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
	24-61-11									
R			101		Jun 21/2016					

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

CHAPTER 24
ELECTRICAL POWER

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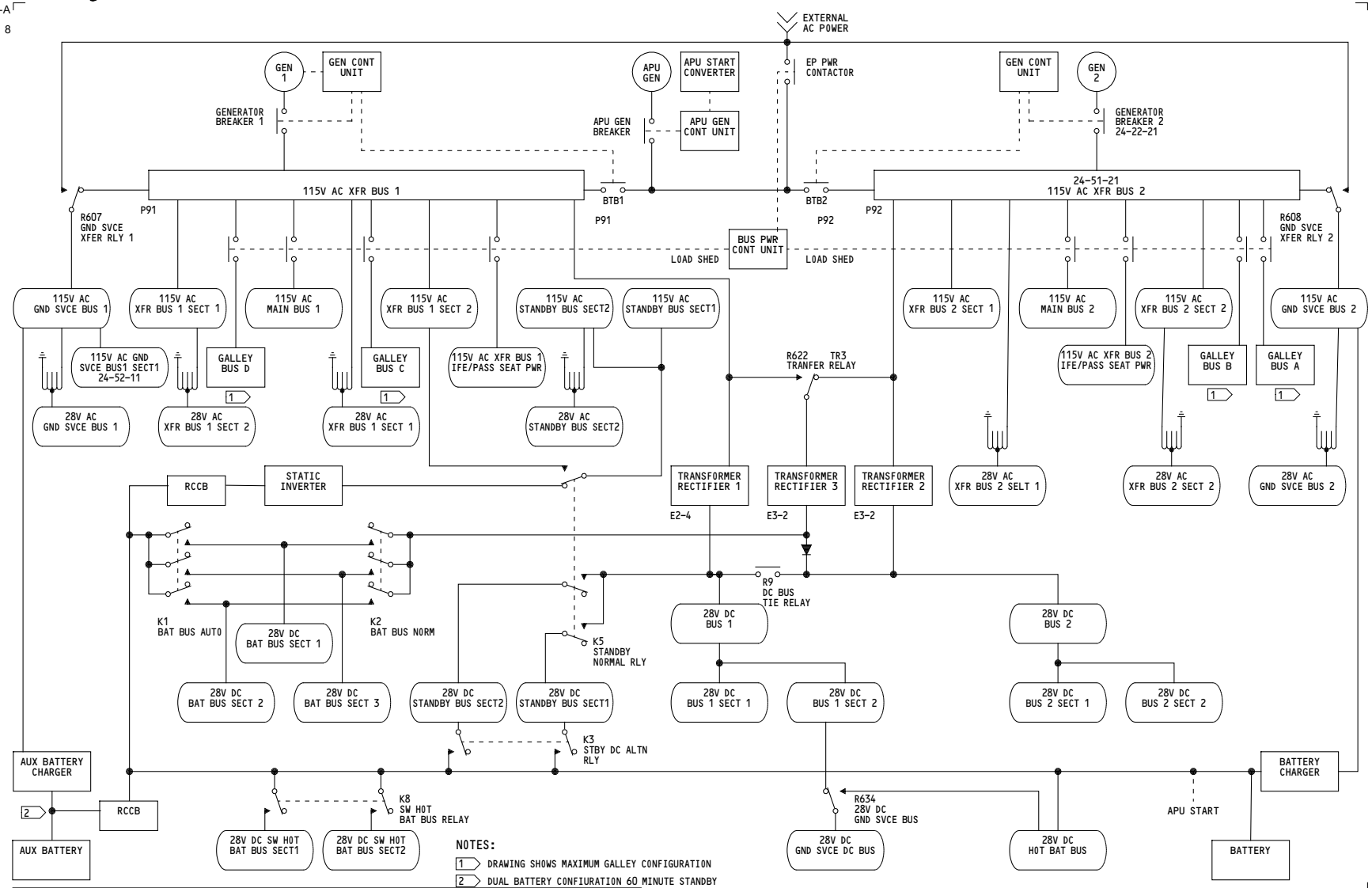
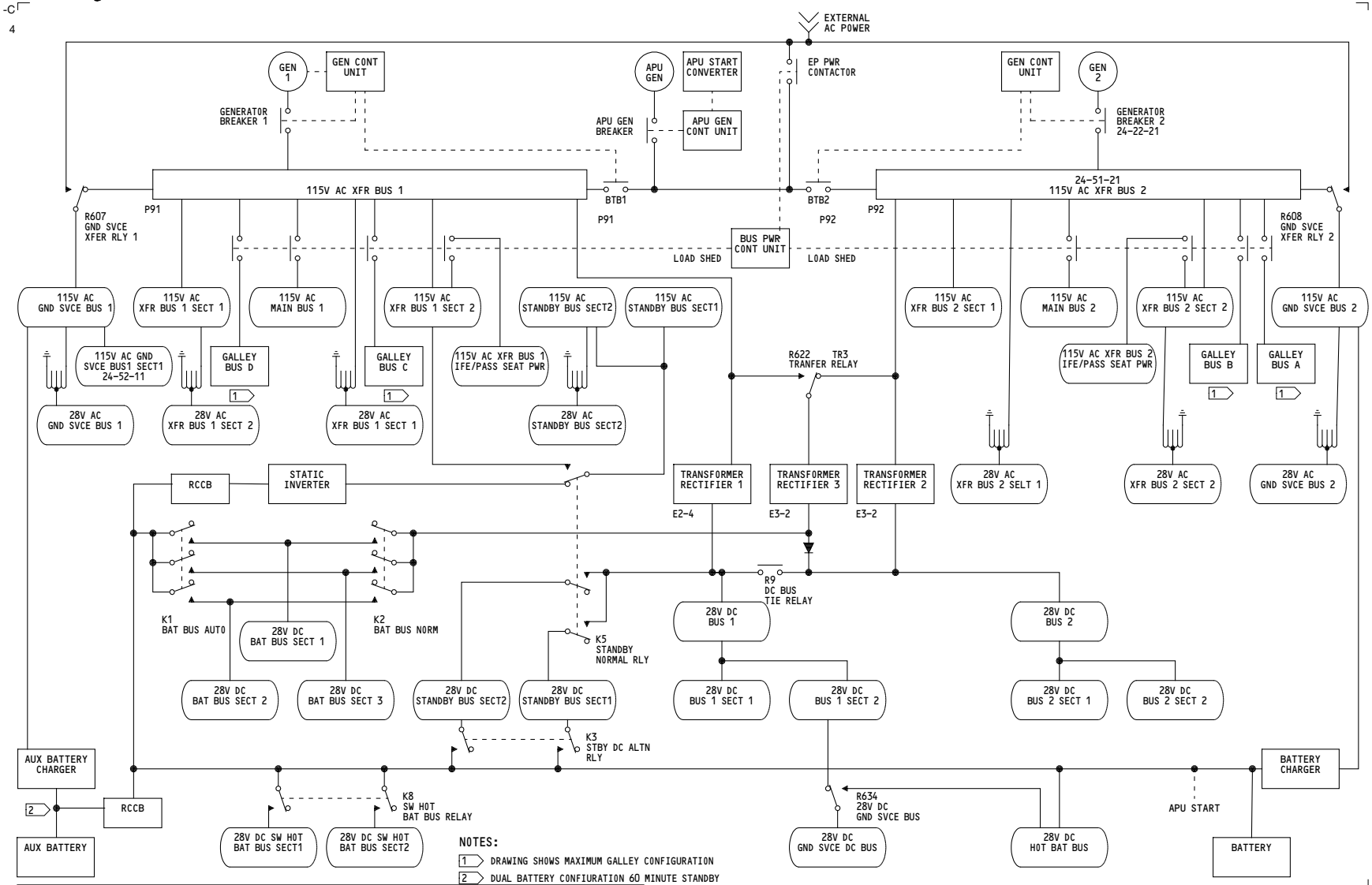
ELECTRICAL POWER



YT101-YT120

ELECTRICAL POWER SIMPLIFIED

D280A451



YT126-YT133

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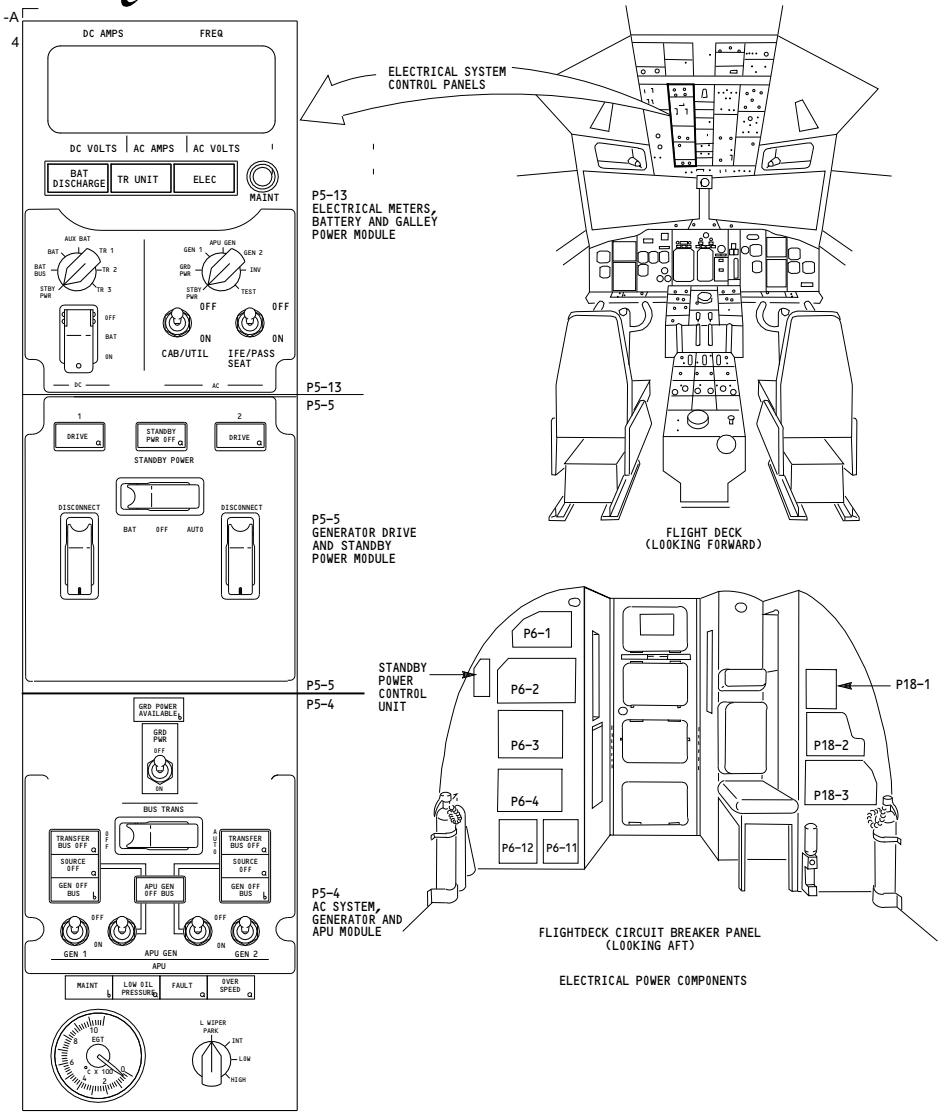

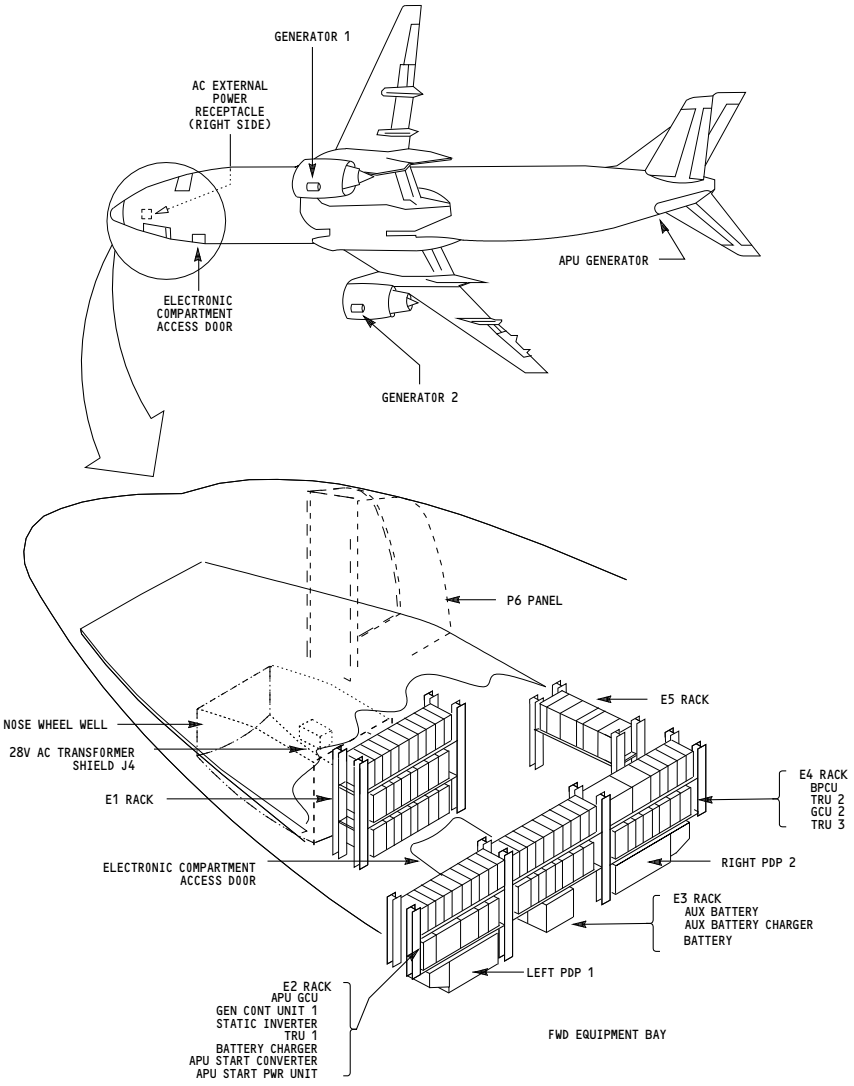

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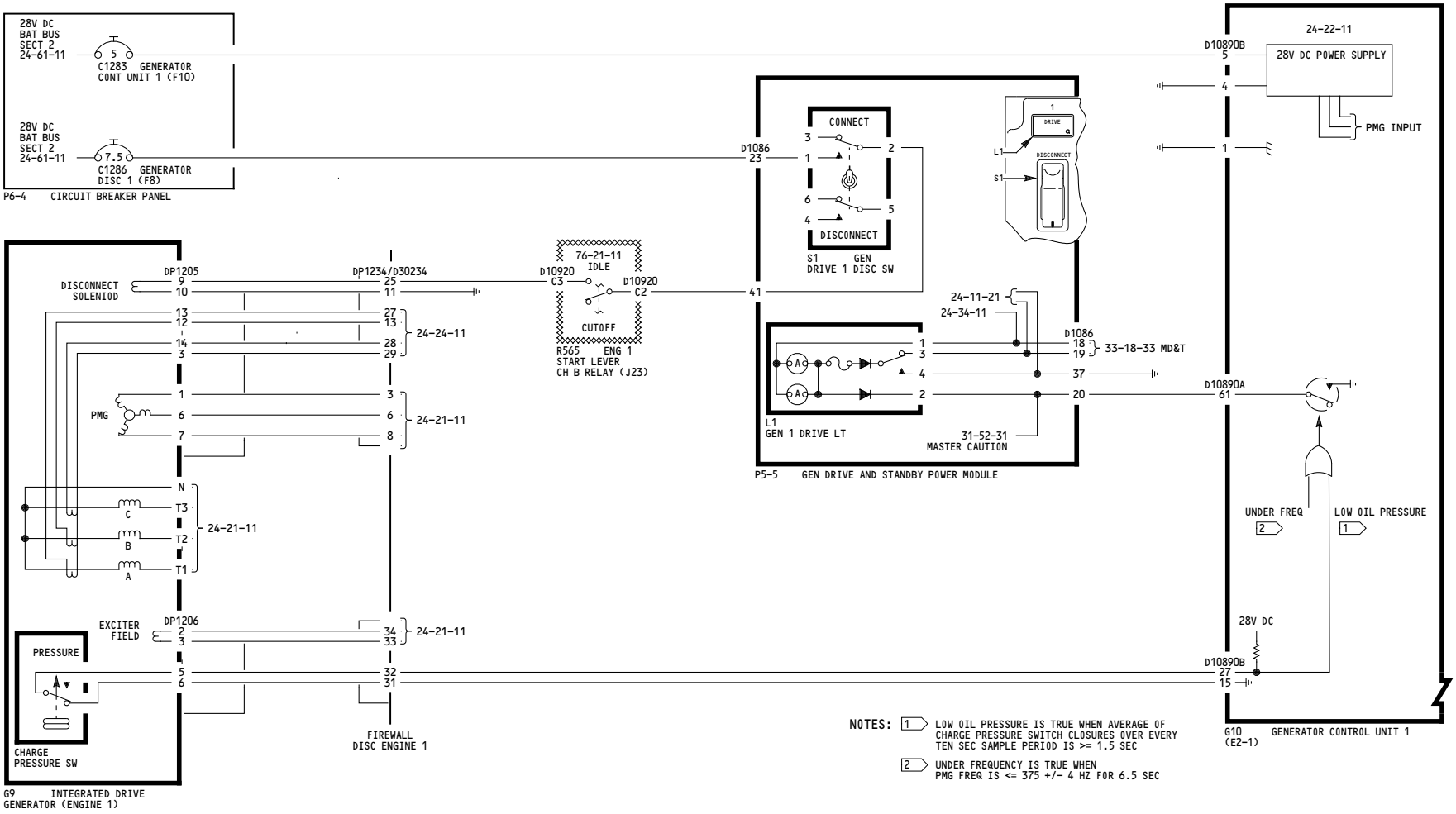
ELECTRICAL POWER UNIT LOCATION

D280A451

24-00-10



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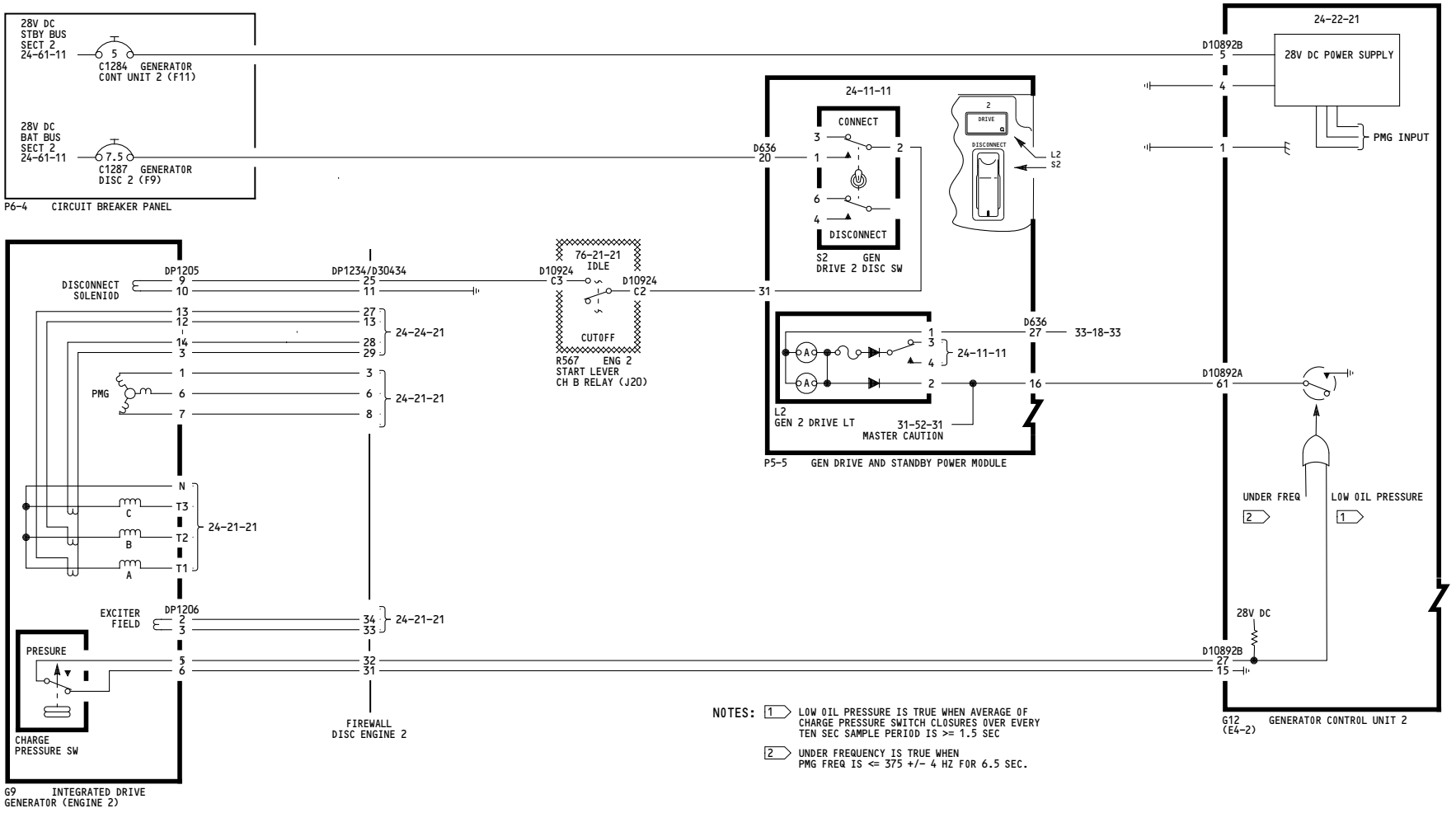
IDG NO. 1

D280A451

-Y
1

WIRING DIAGRAMS
24-11-21



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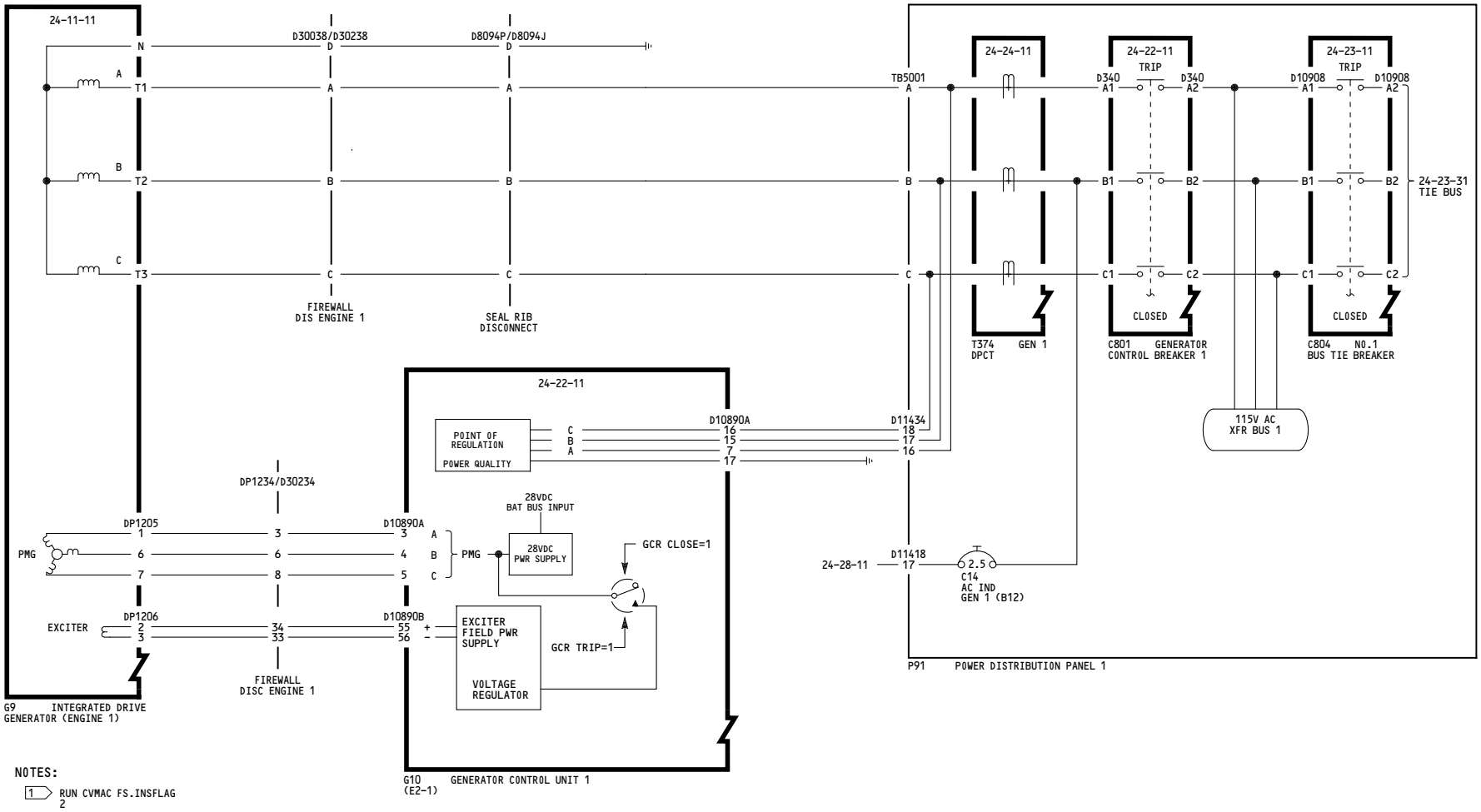

NOTES:

1 RUN CVMAC FS.INSFLAG
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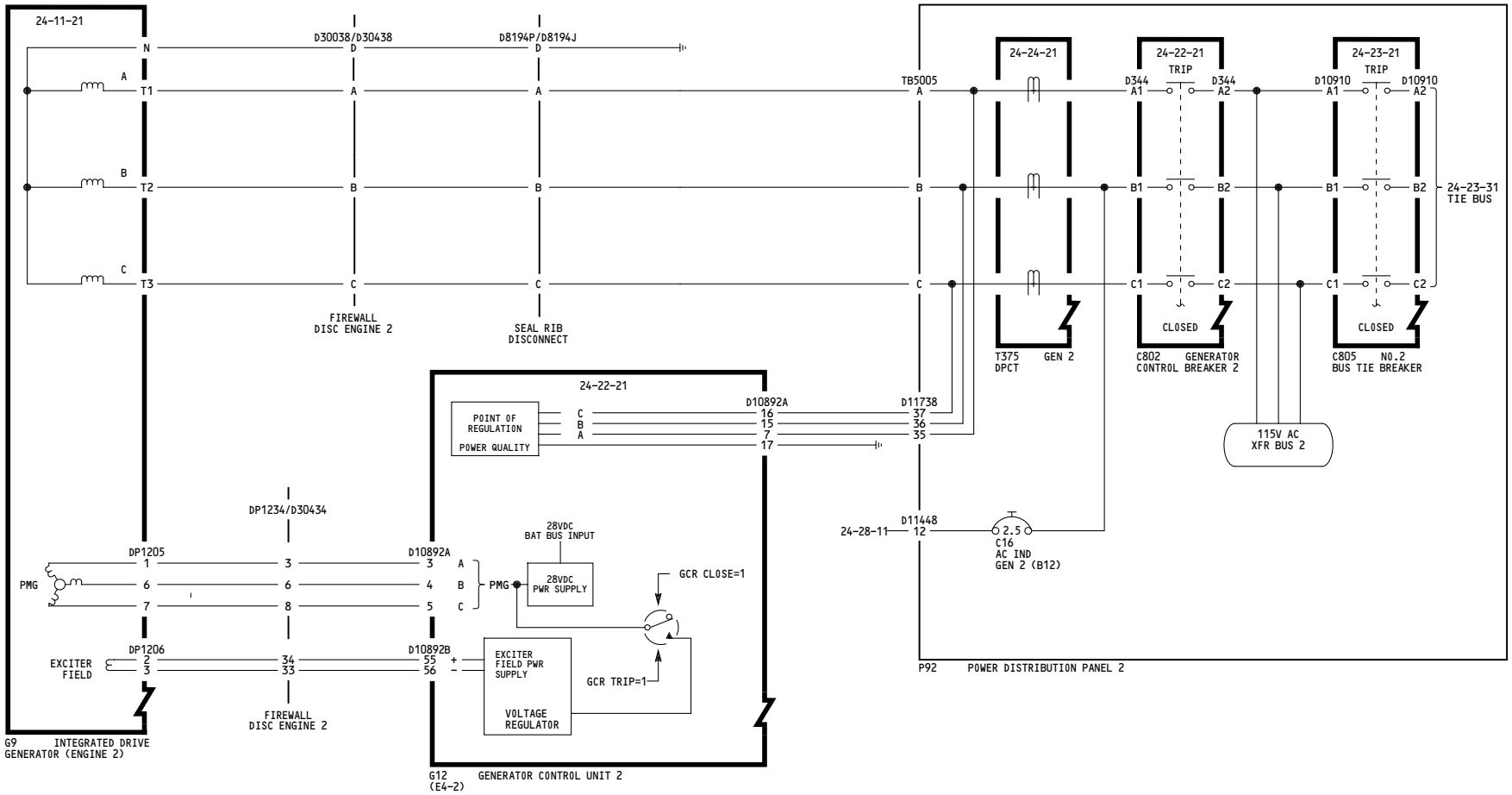
GENERATOR POWER AND REGULATION - NO. 1

D280A451



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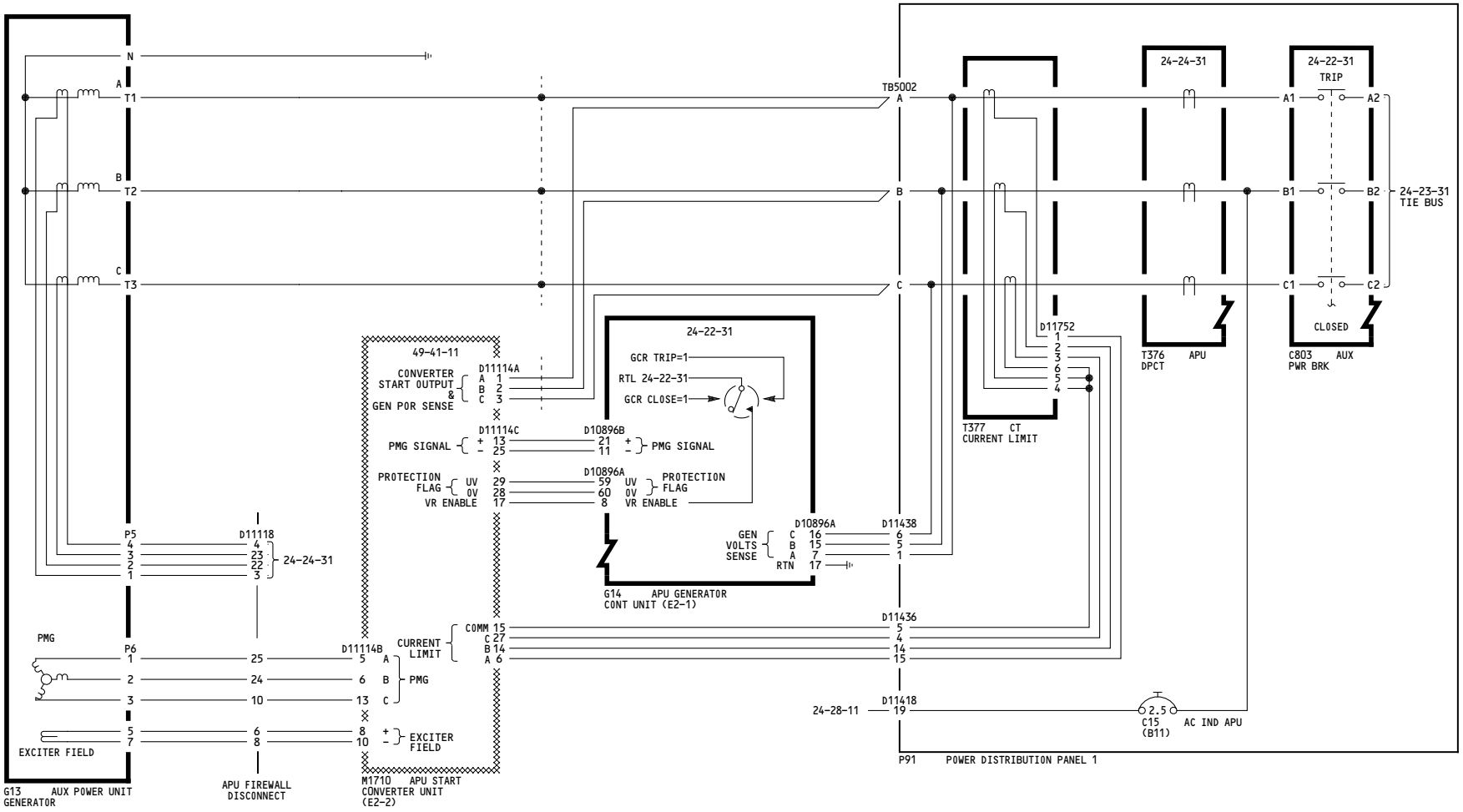

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GENERATOR POWER AND REGULATION - APU

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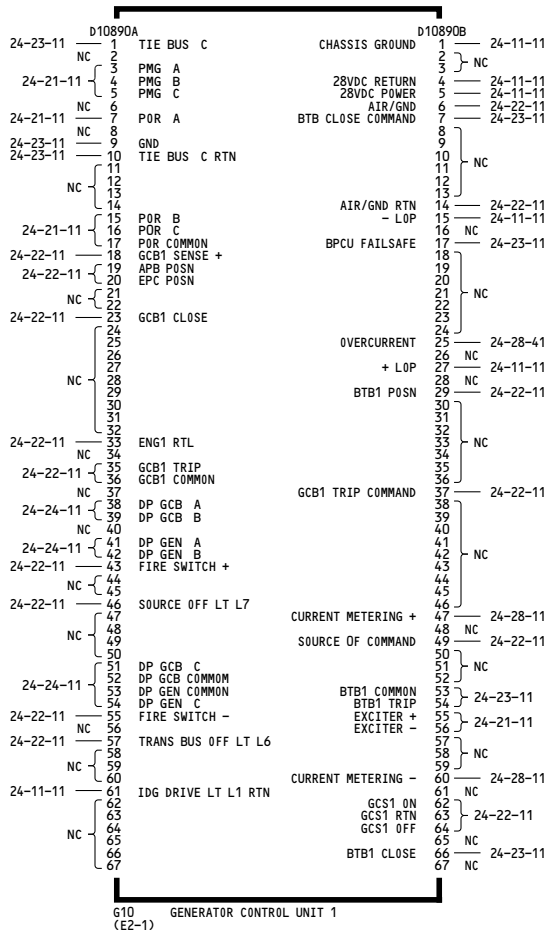

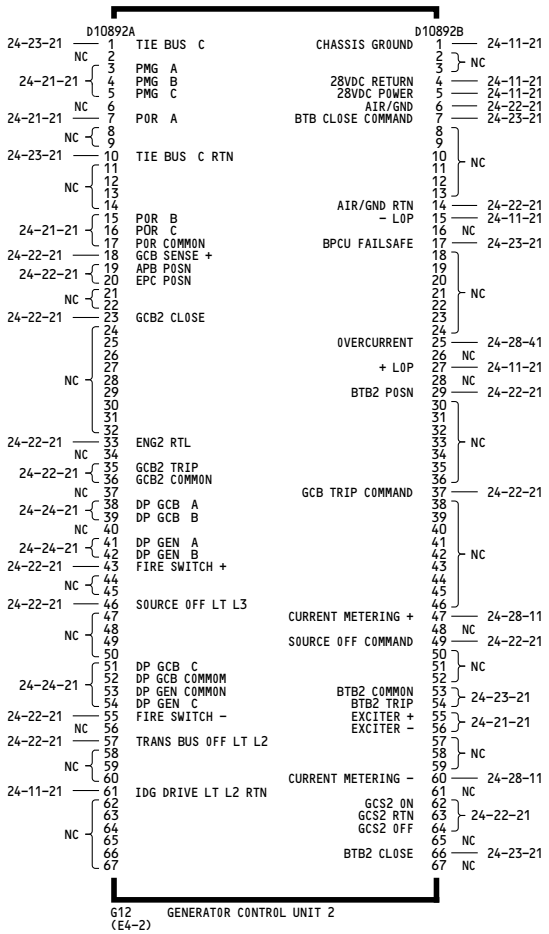

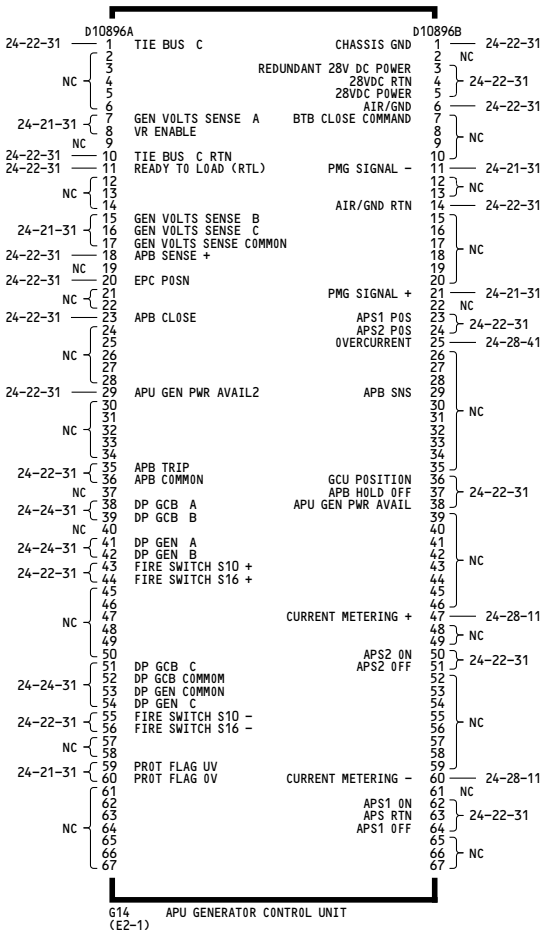

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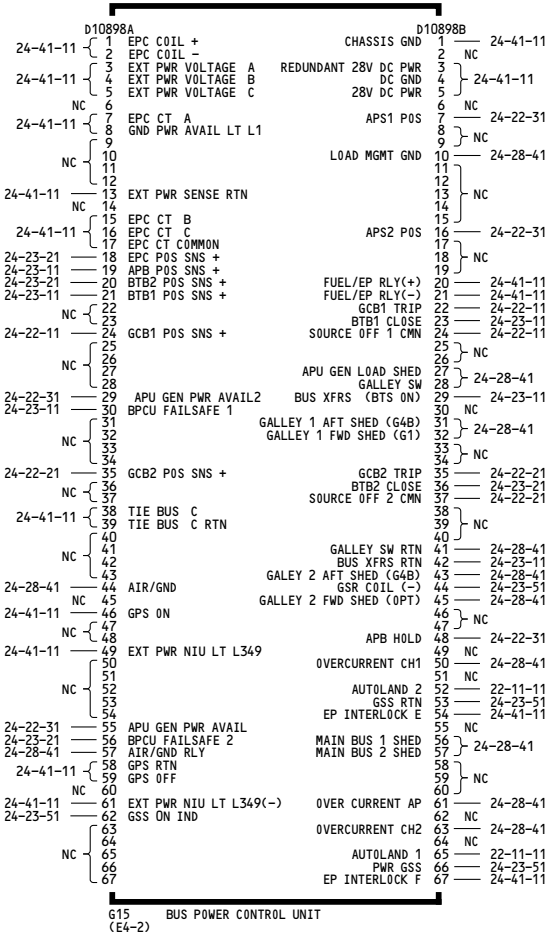
GENERATOR CONTROL UNITS BLOCK (G10, G12, G14)

D280A451



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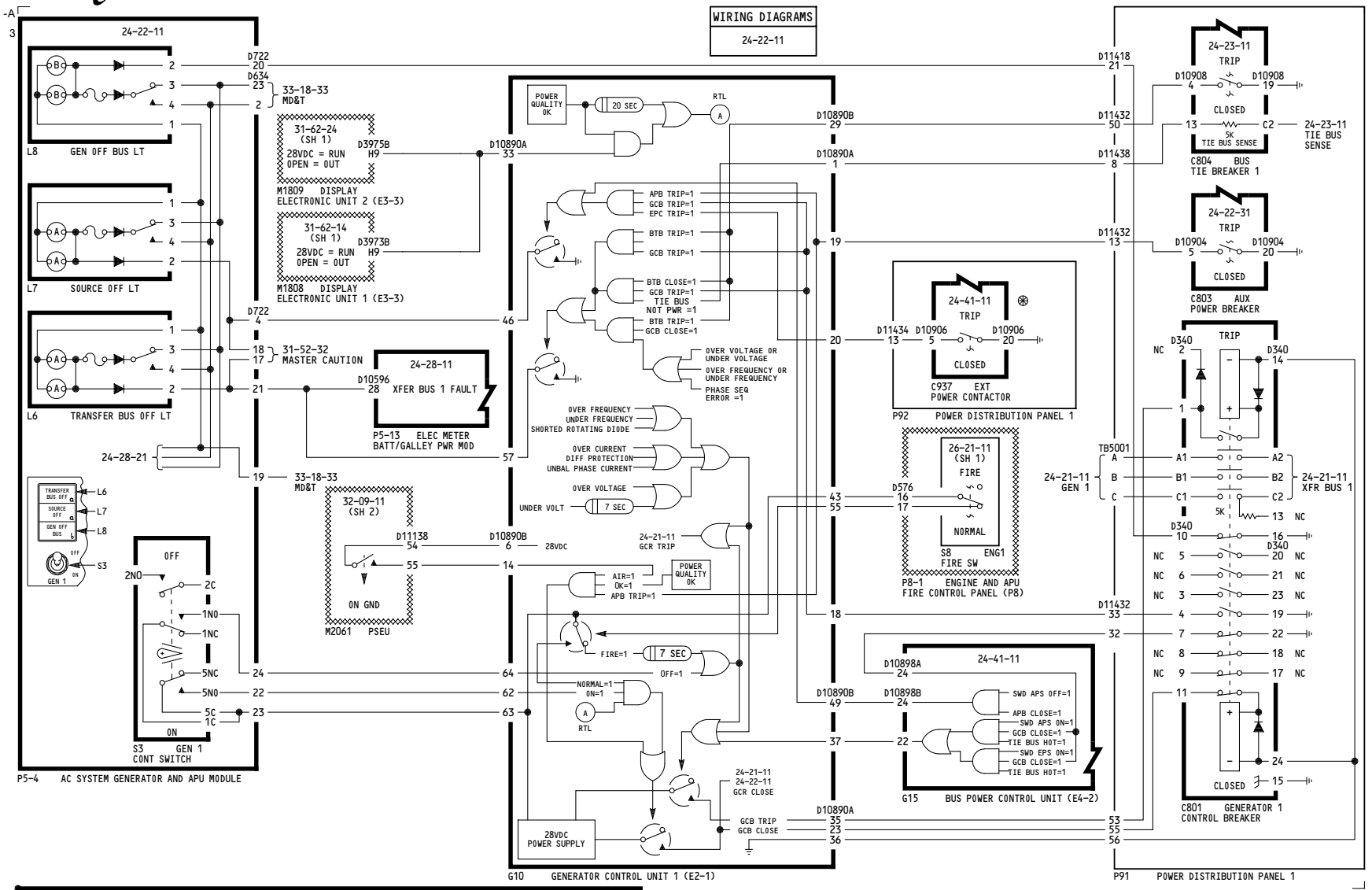
BUS POWER CONTROL UNIT BLOCK (G15)

D280A451



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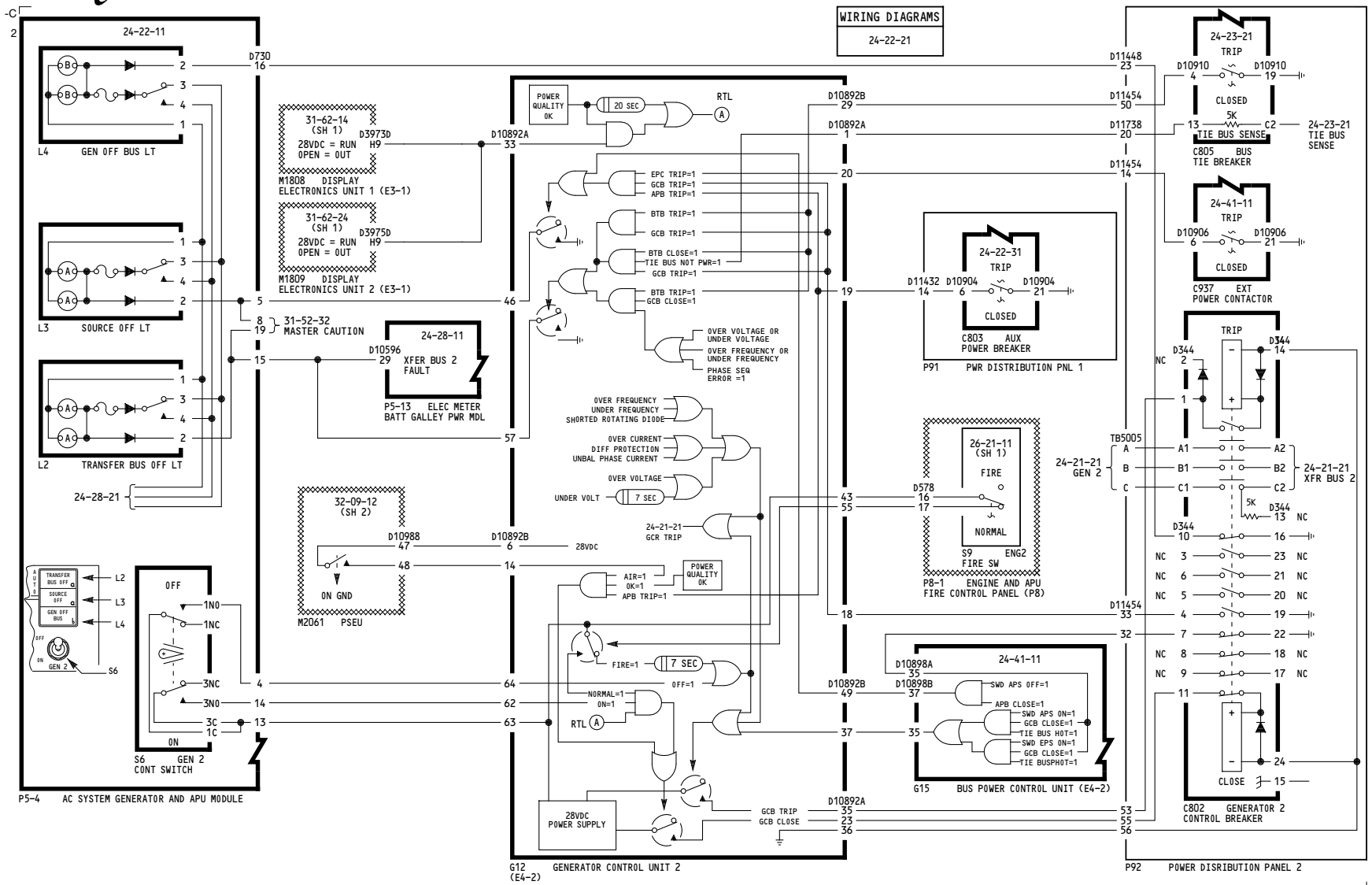
	D280A451



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GENERATOR CONTROL UNIT NO.2

D280A451

24-22-21

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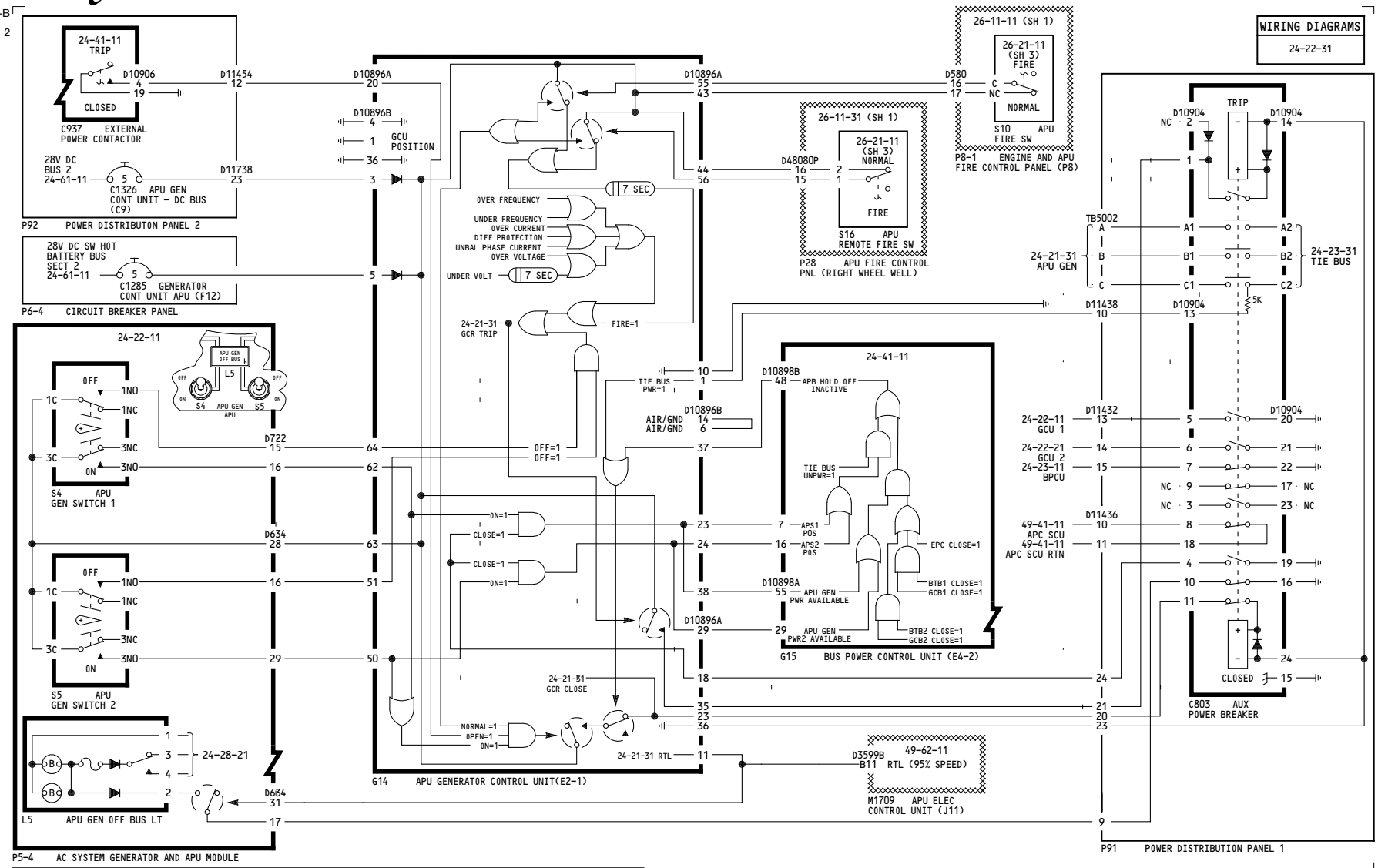

ALL	**GENERATOR CONTROL UNIT APU**
	D280A451

24-22-31

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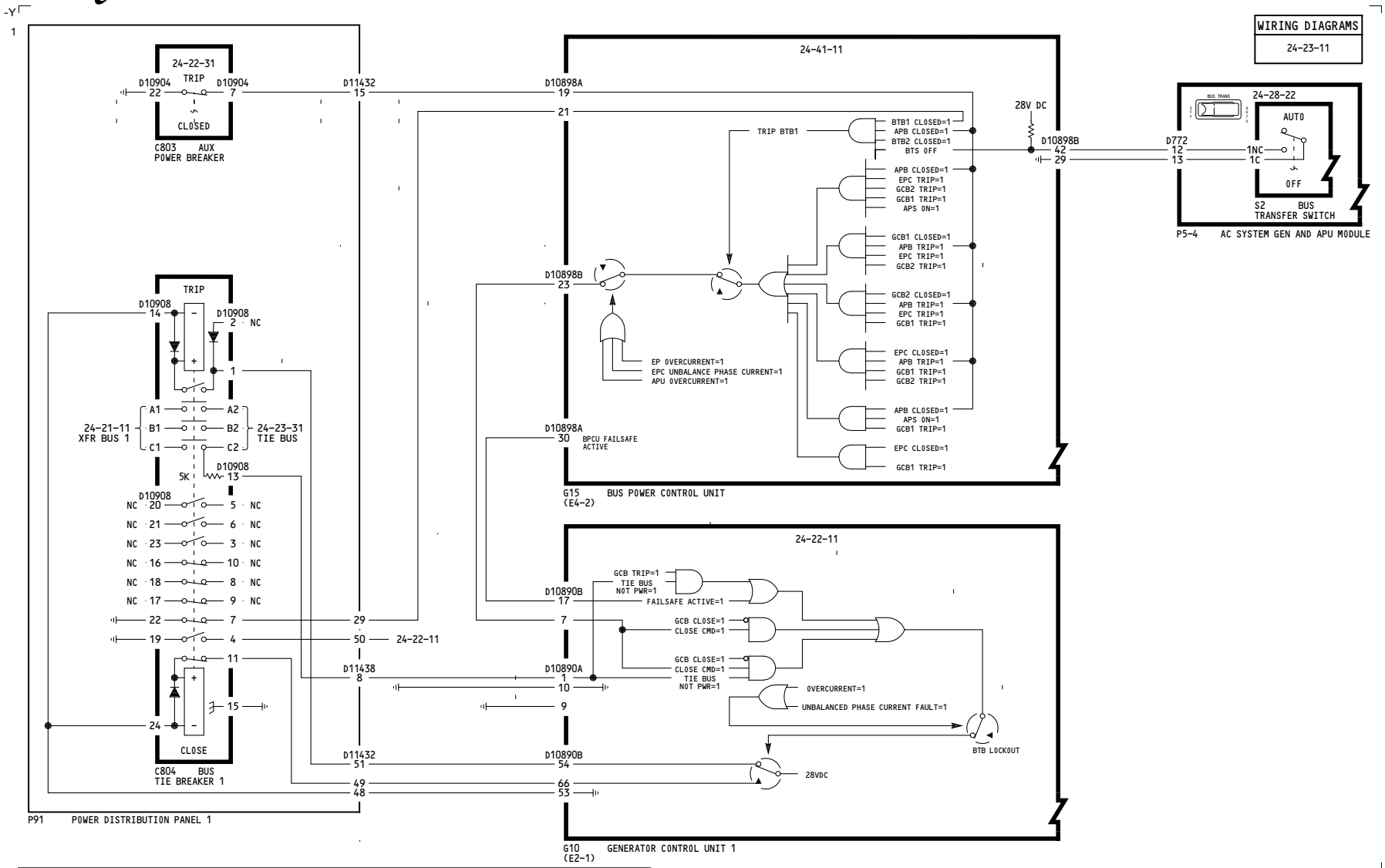
Jun 21/2016



ALL	**TRANSFER BUS CONTROL NO.1** D280A451

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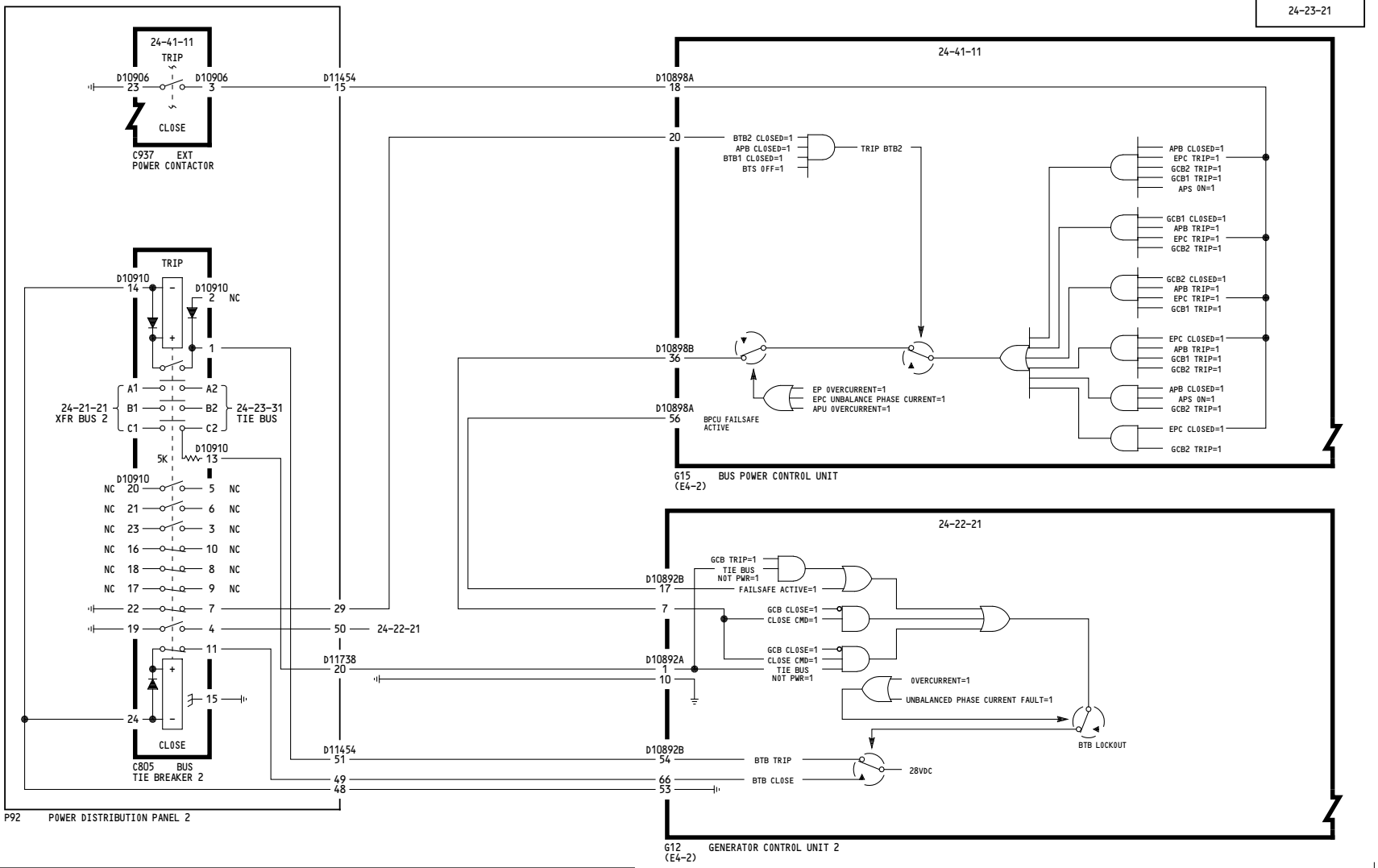
1

WIRING DIAGRAMS
24-23-21



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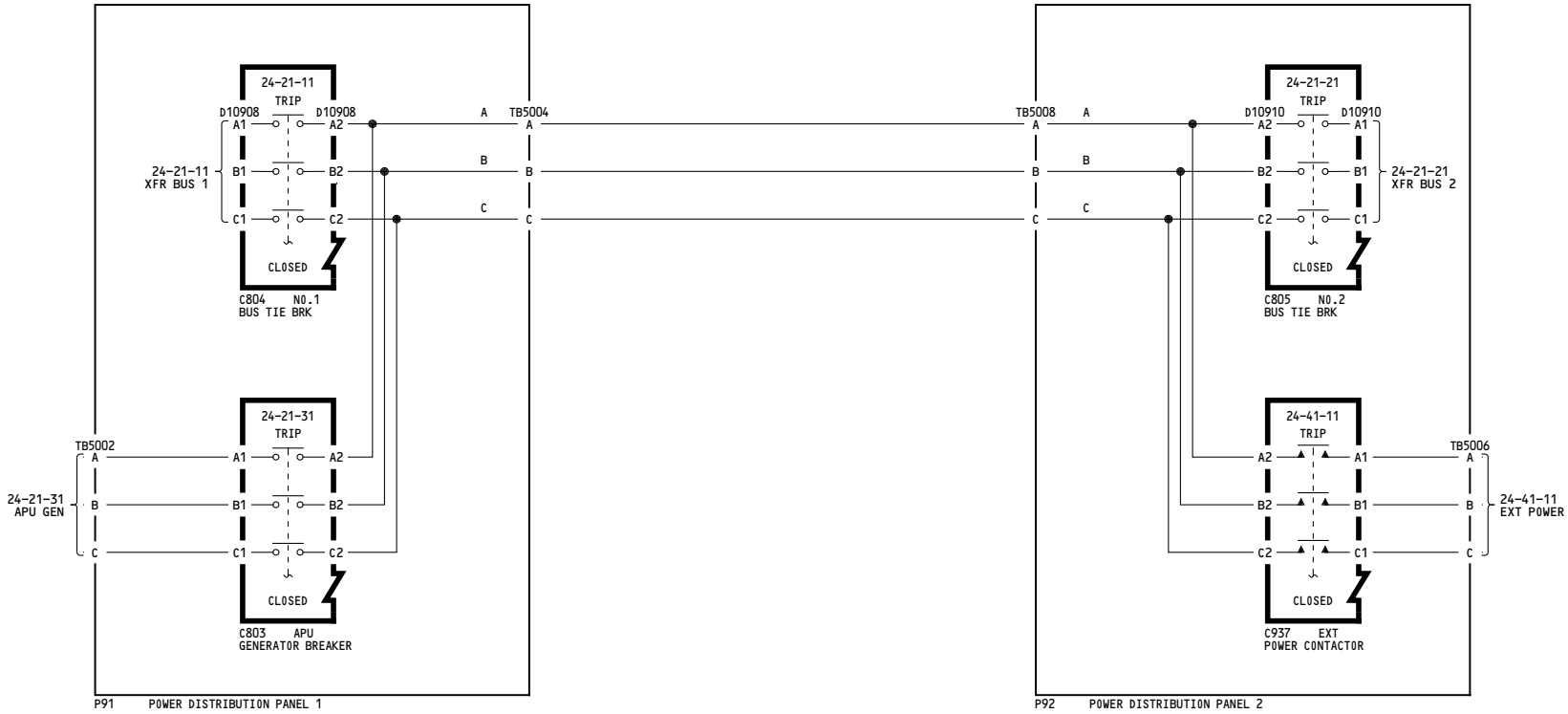

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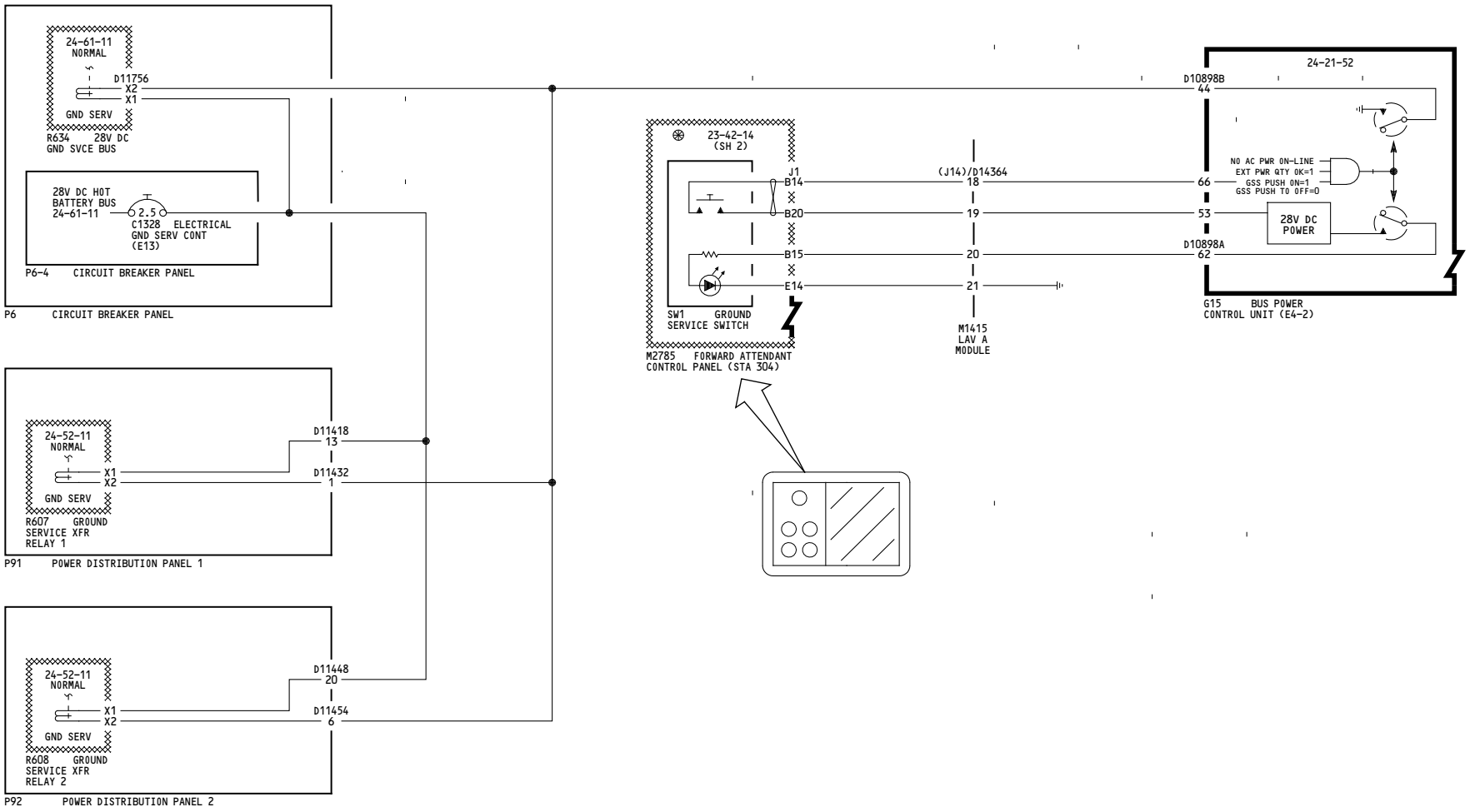

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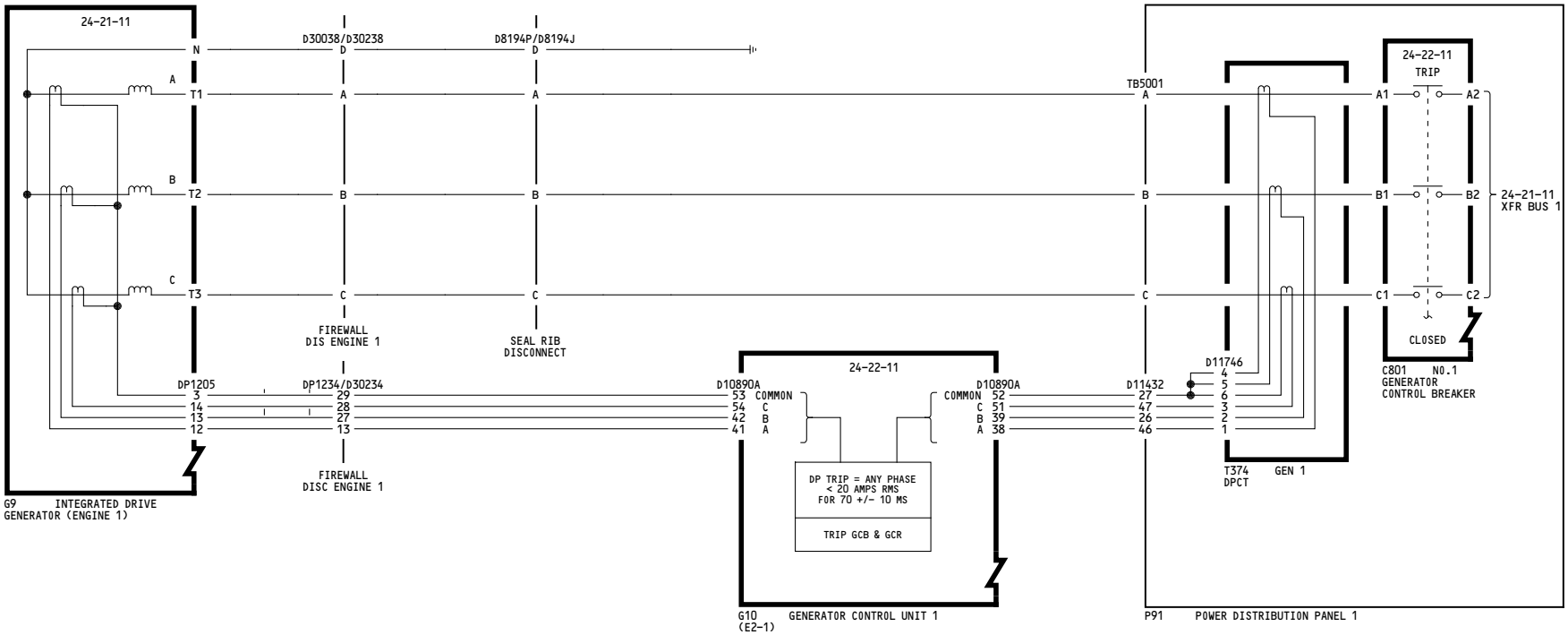

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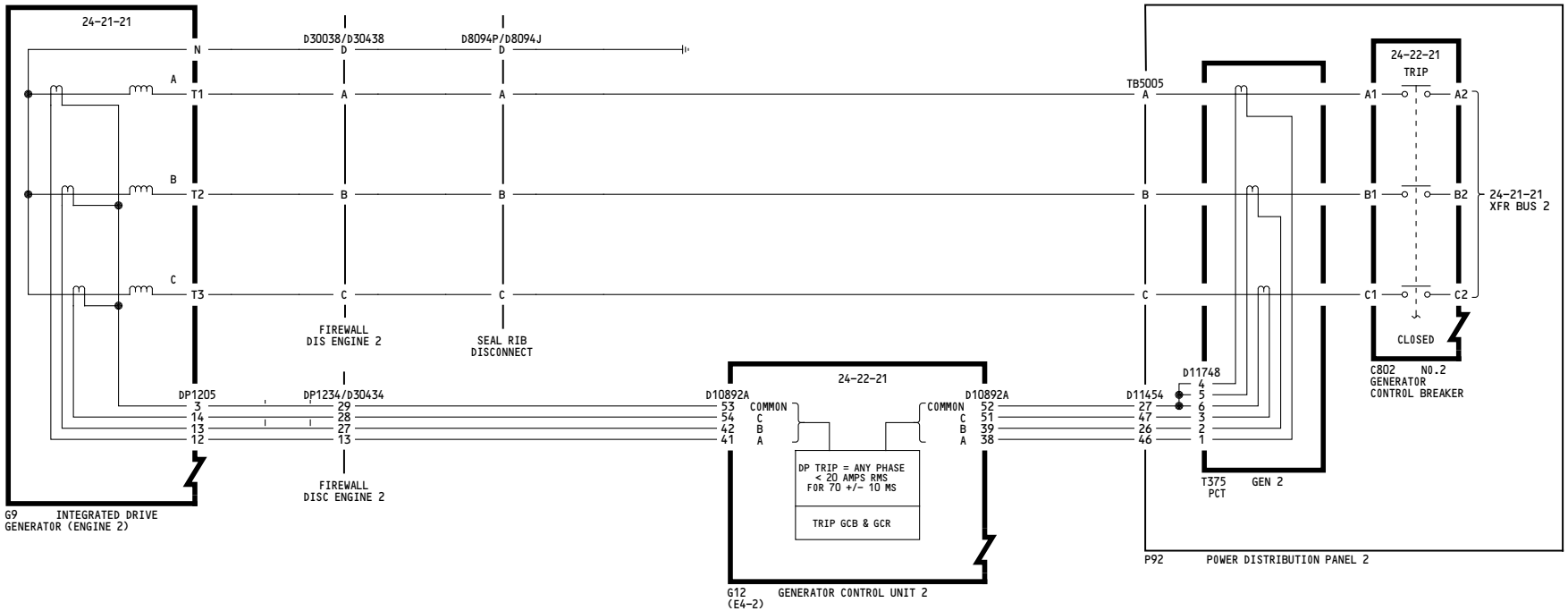
DIFFERENTIAL CURRENT PROTECTION GEN NO.1

D280A451



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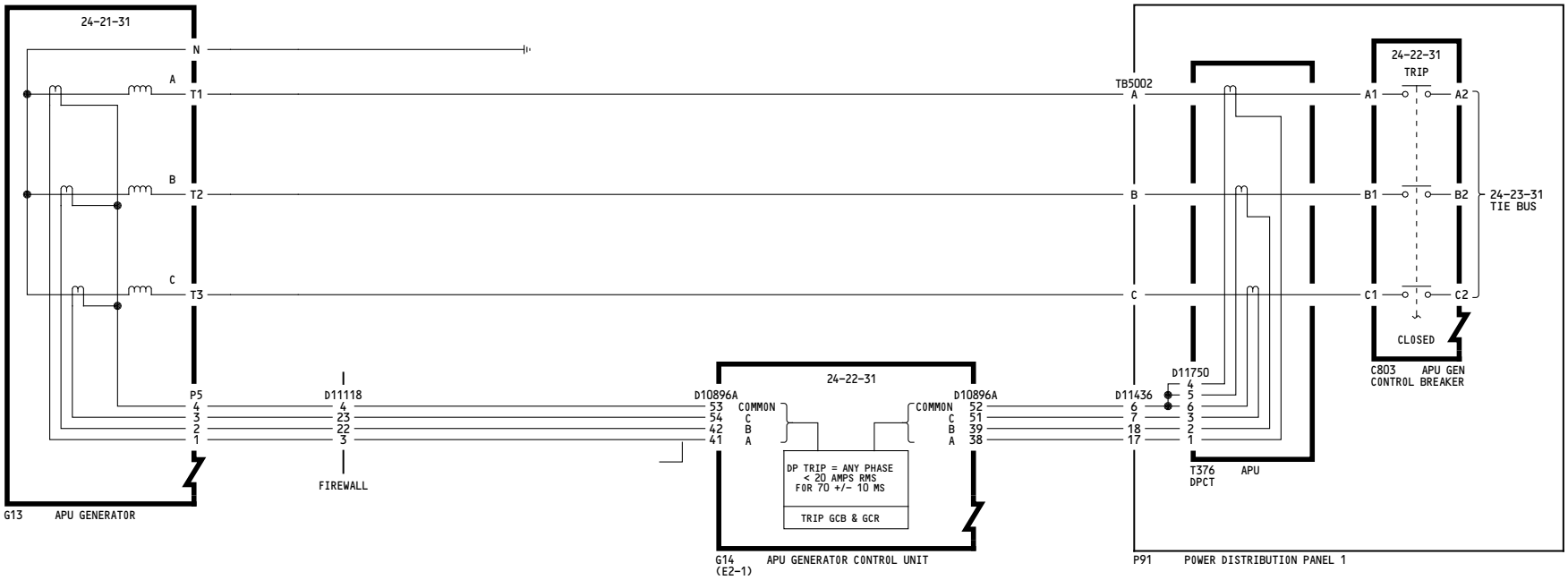
D280A451



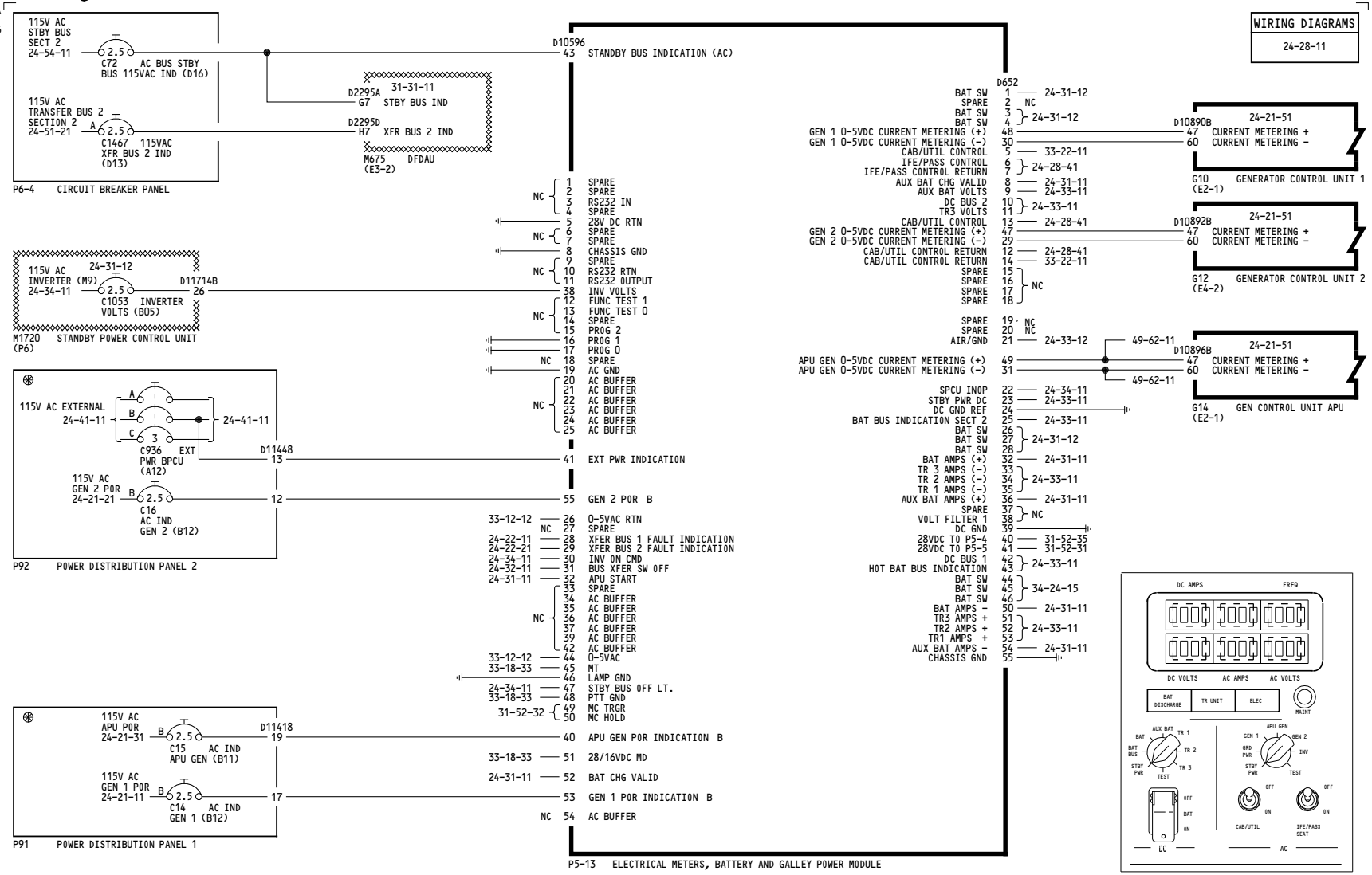
ALL

DIFFERENTIAL CURRENT PROTECTION APU GEN

D280A451

-A
25

WIRING DIAGRAMS
24-28-11



P5-13 FACEPLATE

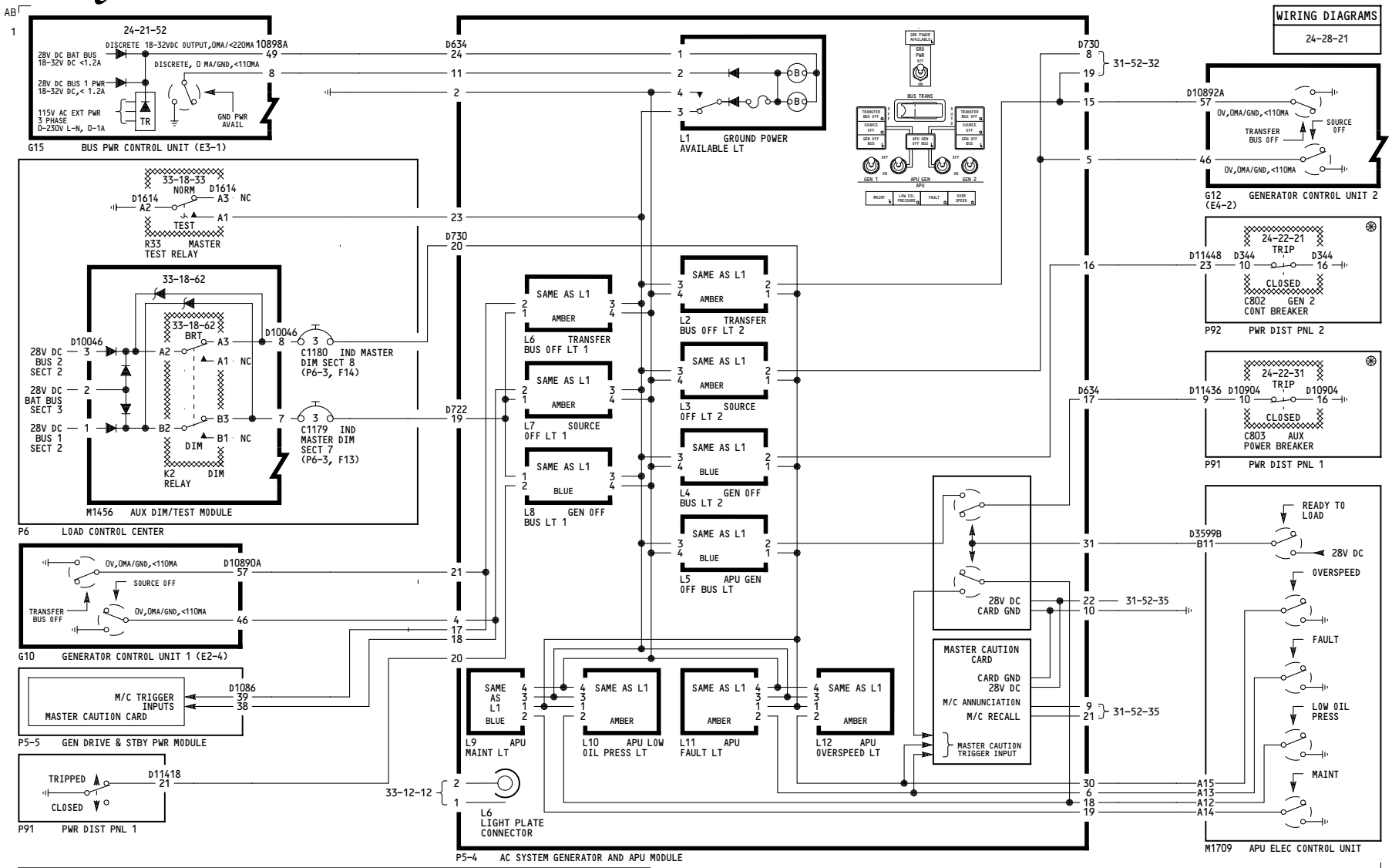
ALL

AC INDICATION P5-13

D280A451

24-28-11

WIRING DIAGRAMS
24-28-21



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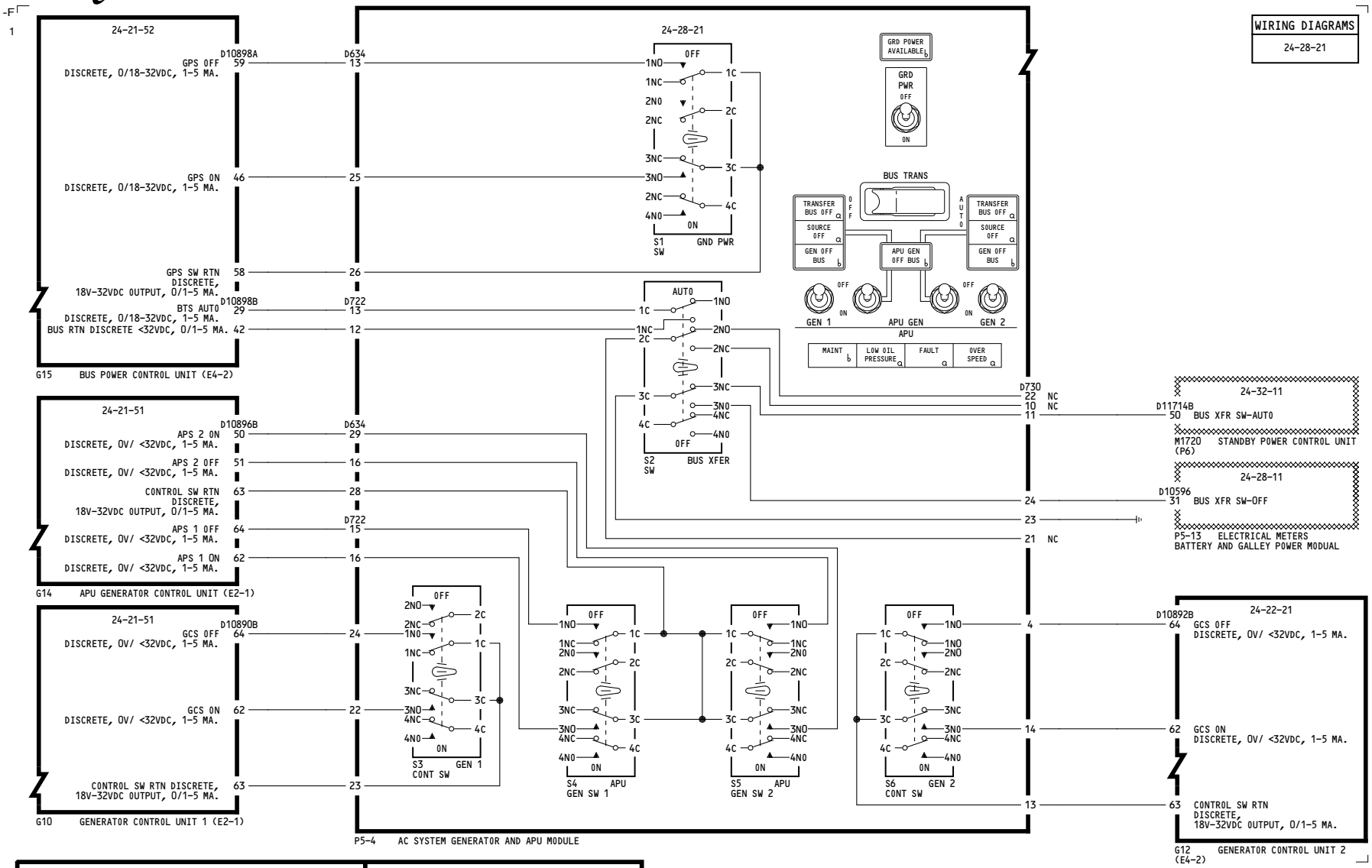
AC SYSTEM GENERATOR & APU INDICATION P5-4

D280A451

24-28-21

WIRING DIAGRAMS
24-28-21



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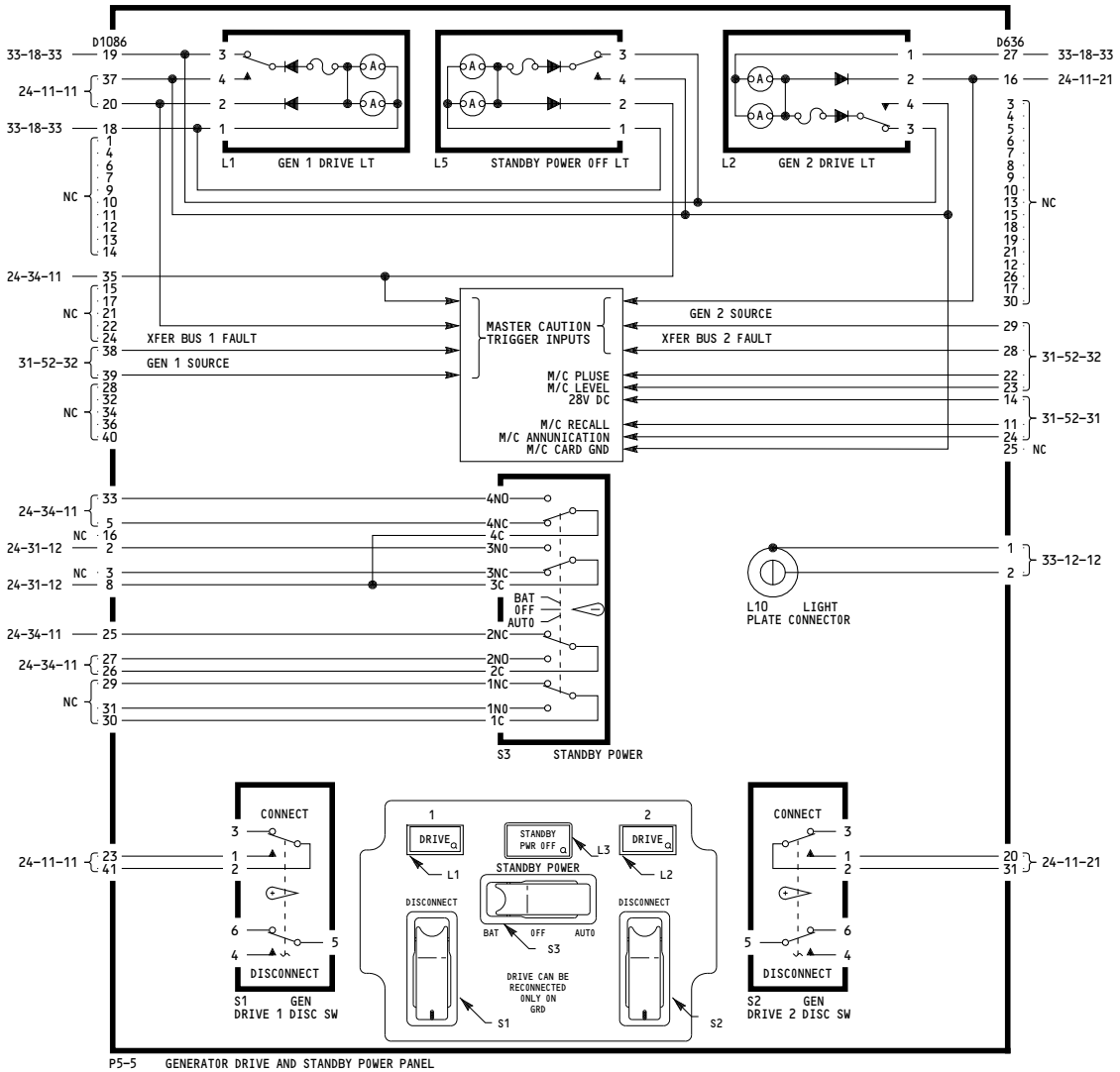
SWITCHING P5-4

D280A451

24-28-22



P5-5 GENERATOR DRIVE AND STANDBY POWER PANEL

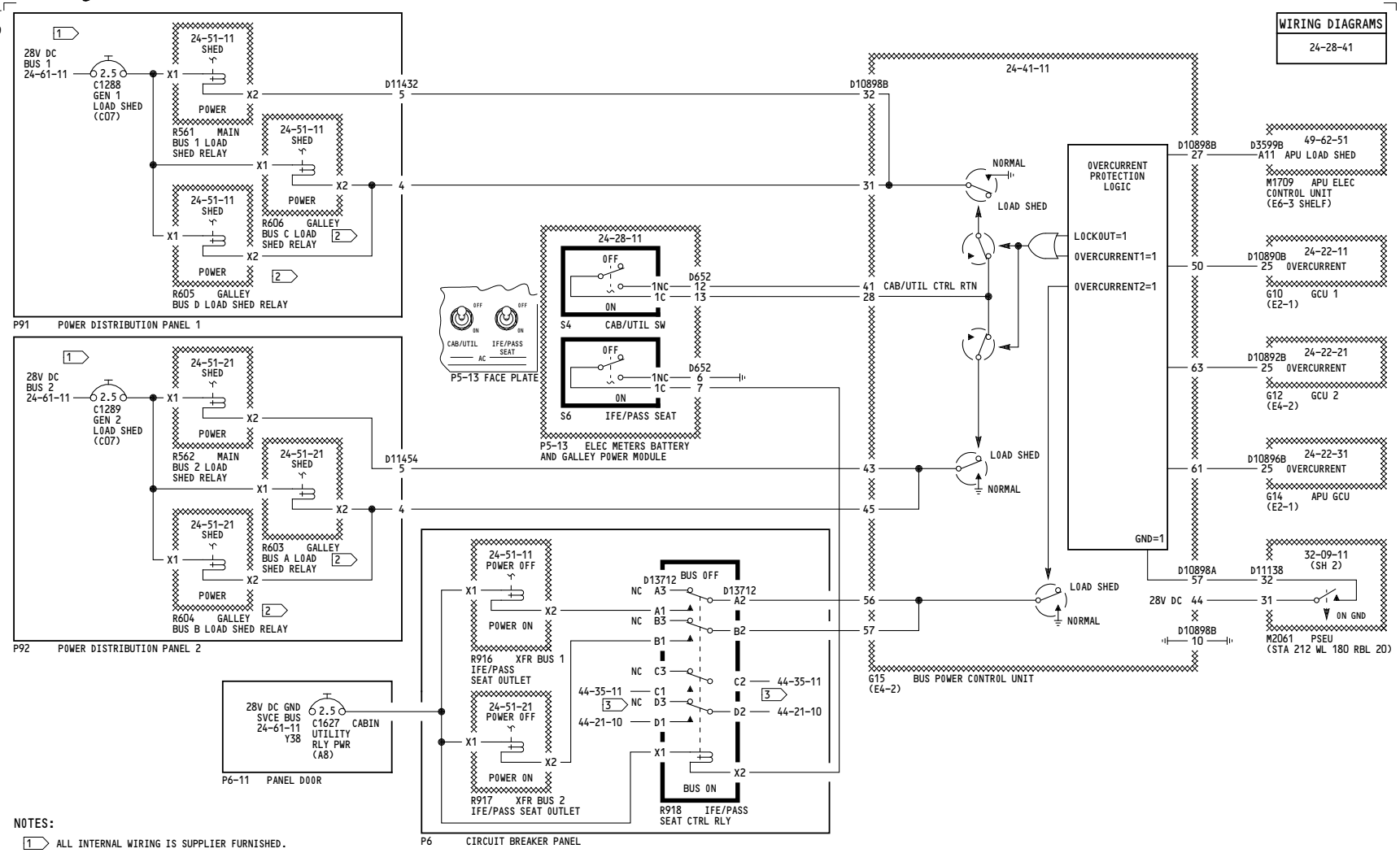
ALL

GENERATOR DRIVE & STANDBY POWER SWITCHING INDICATIO N P5-5

D280A451

39

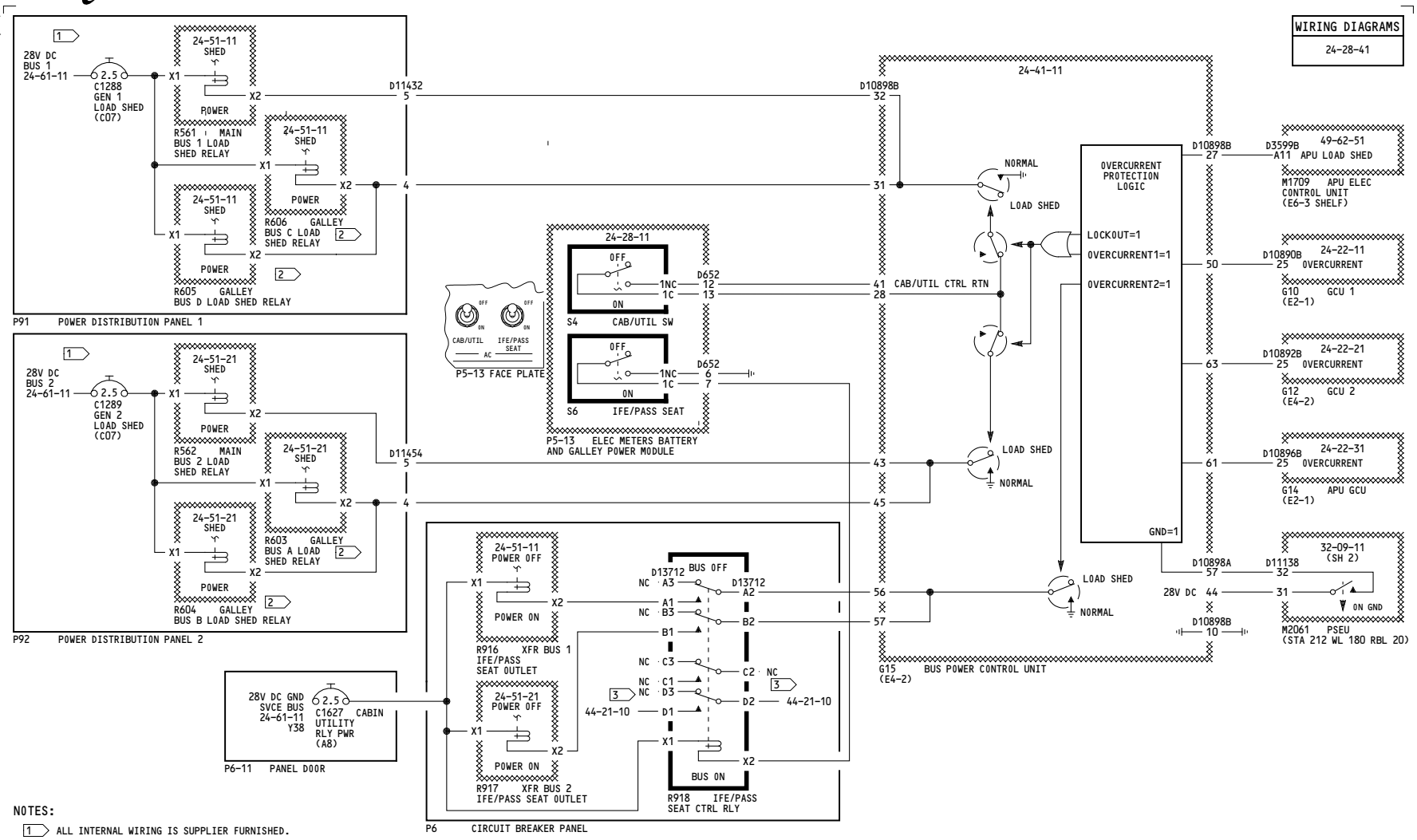
WIRING DIAGRAMS
24-28-41



NOTES:

1. ALL INTERNAL WIRING IS SUPPLIER FURNISHED.
2. IF INSTALLED
3. AUDIO OR VIDEO DC CIRCUIT BREAKER IF INSTALLED

YT101-YT120	**AUTOMATIC LOAD SHED GALLEYS & MAIN BUSES**
	D280A451



NOTES:

1. ALL INTERNAL WIRING IS SUPPLIER FURNISHED.
2. IF INSTALLED
3. AUDIO OR VIDEO DC CIRCUIT BREAKER IF INSTALLED

YT126-YT133	AUTOMATIC LOAD SHED GALLEYS & MAIN BUSES	24-28-41
	D280A451	Page 102
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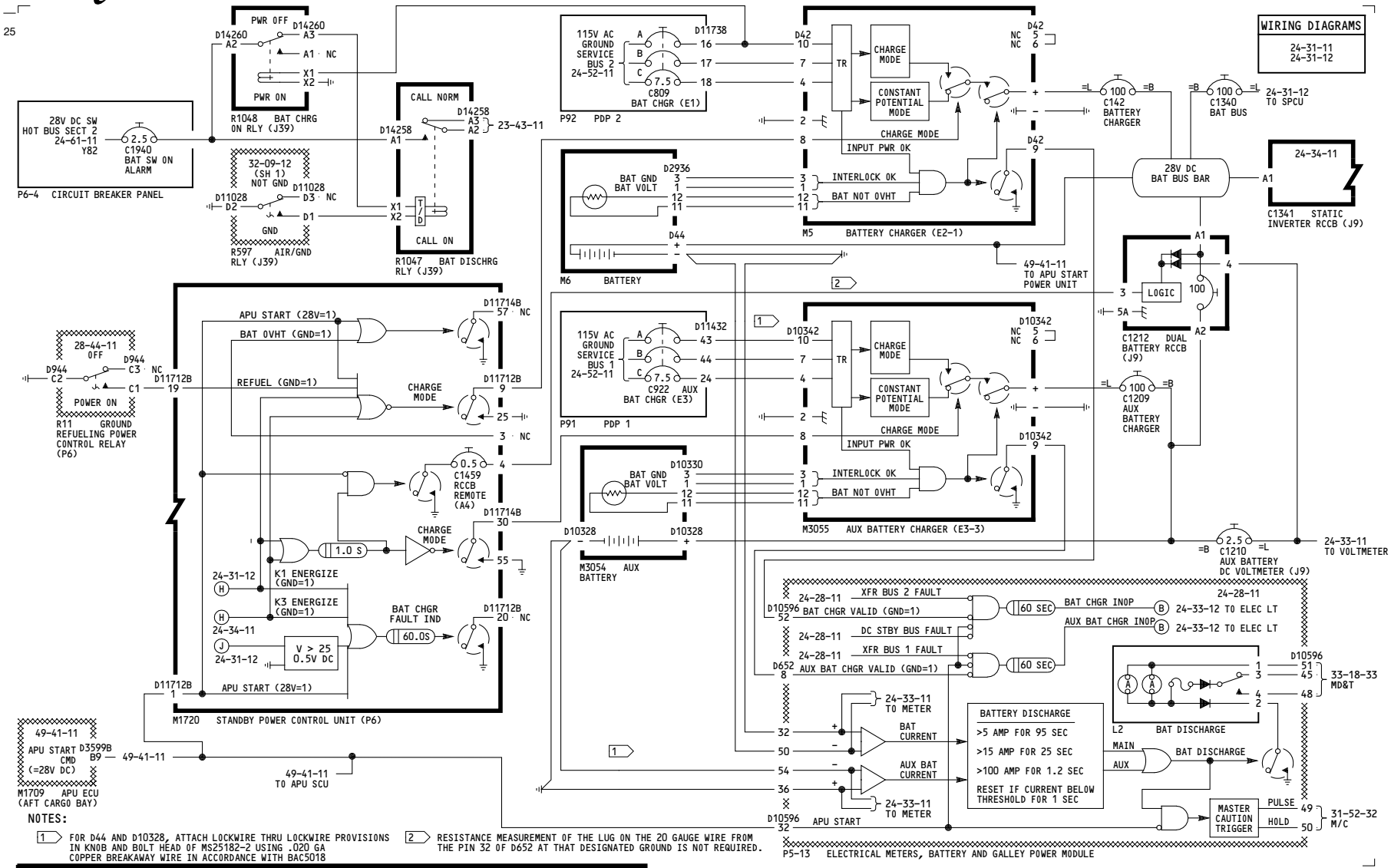


NOTES:

1. FOR D44 AND D10328, ATTACH LOCKWIRE THRU LOCKWIRE PROVISIONS IN KNOB AND BOLT HEAD OF MS25182-2 USING .020 GA COPPER BREAKAWAY WIRE IN ACCORDANCE WITH BAC5018
2. RESISTANCE MEASUREMENT OF THE LUG ON THE 20 GAUGE WIRE FROM THE PIN 32 OF D652 AT THAT DESIGNATED GROUND IS NOT REQUIRED.

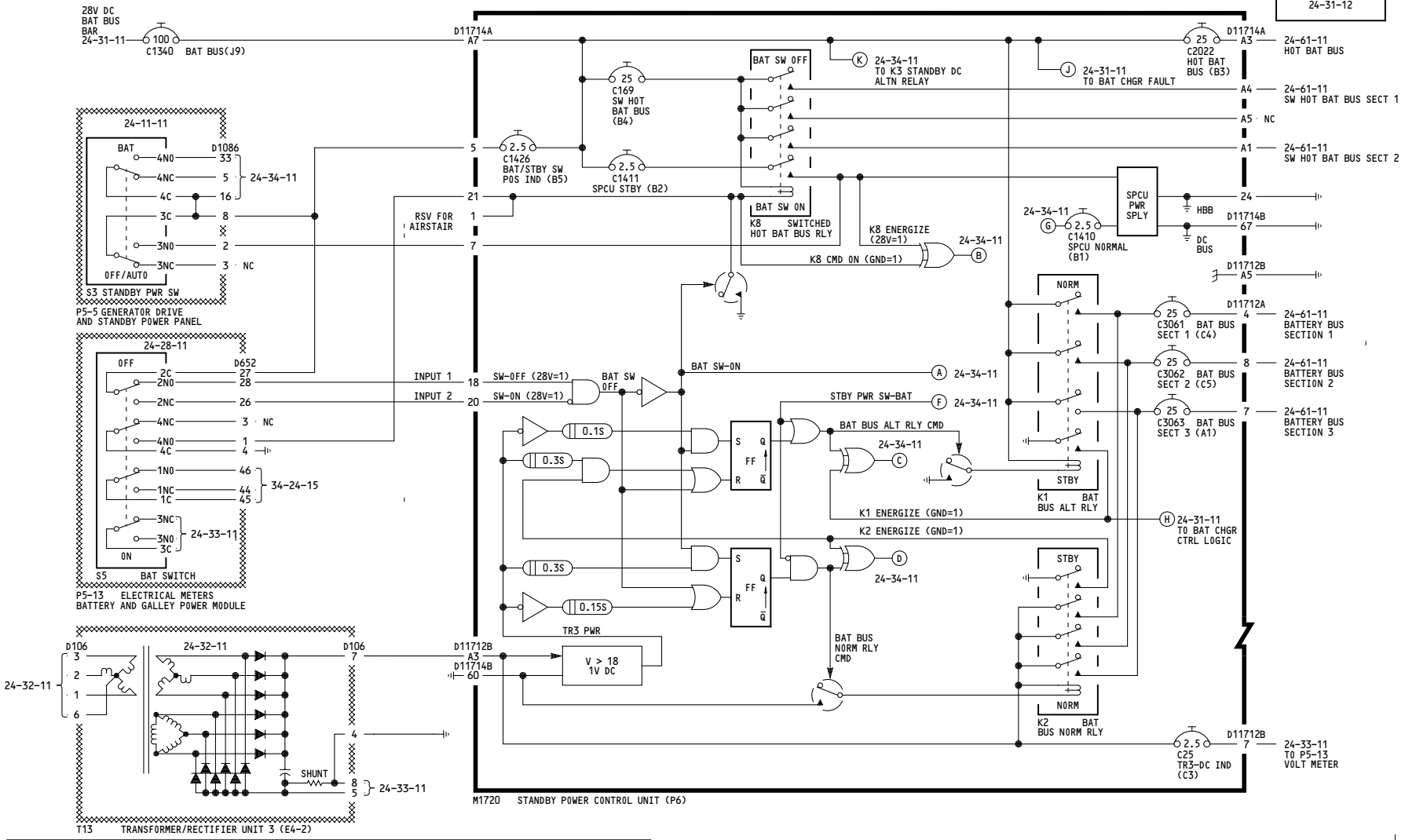
ALL

BATTERY AND BATTERY CHARGER

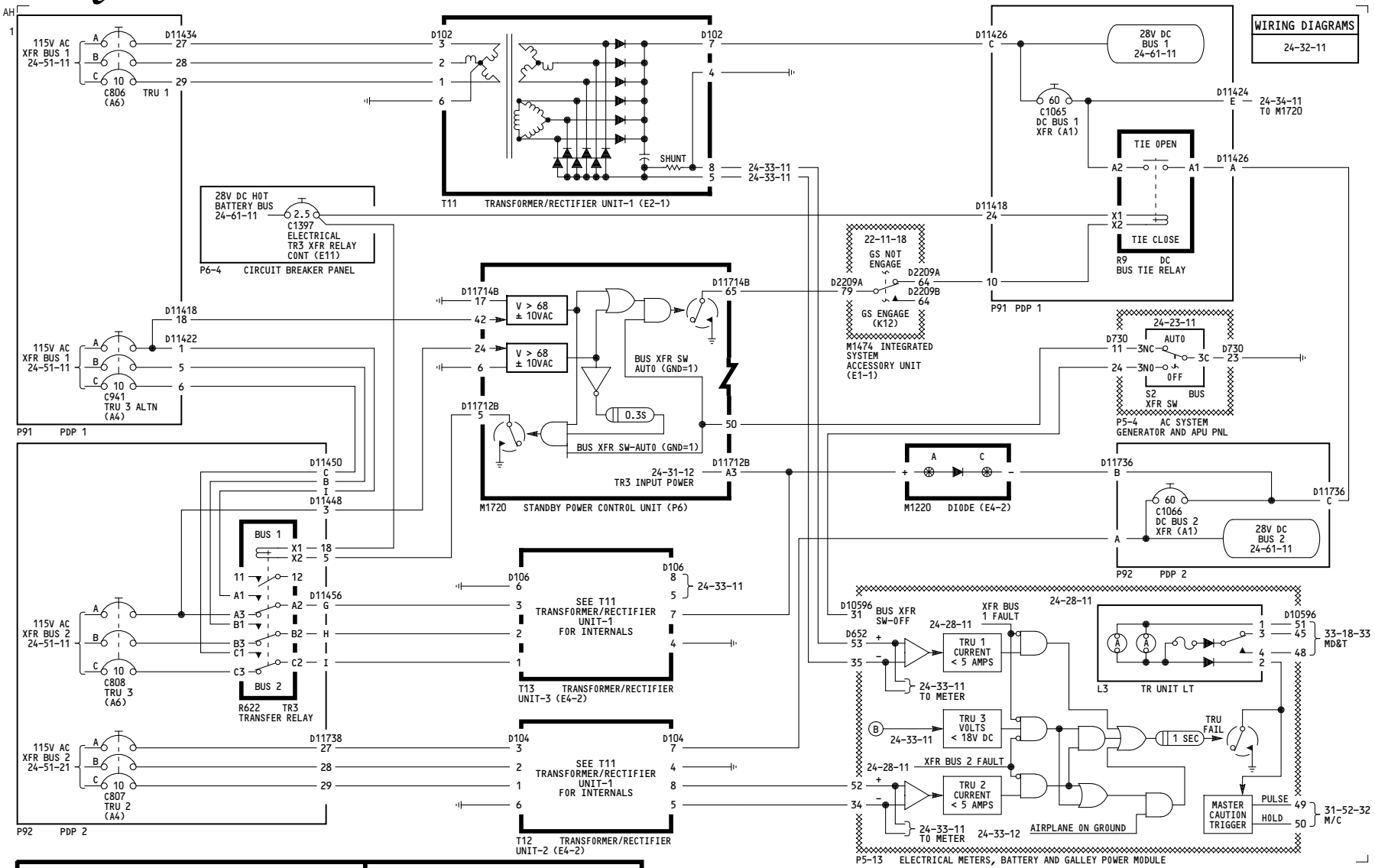
D280A451

24-31-11

WIRING DIAGRAMS
24-31-12



ALL	BATTERY BUS
	D280A451



ALL

MAIN DC BUSES

D280A451

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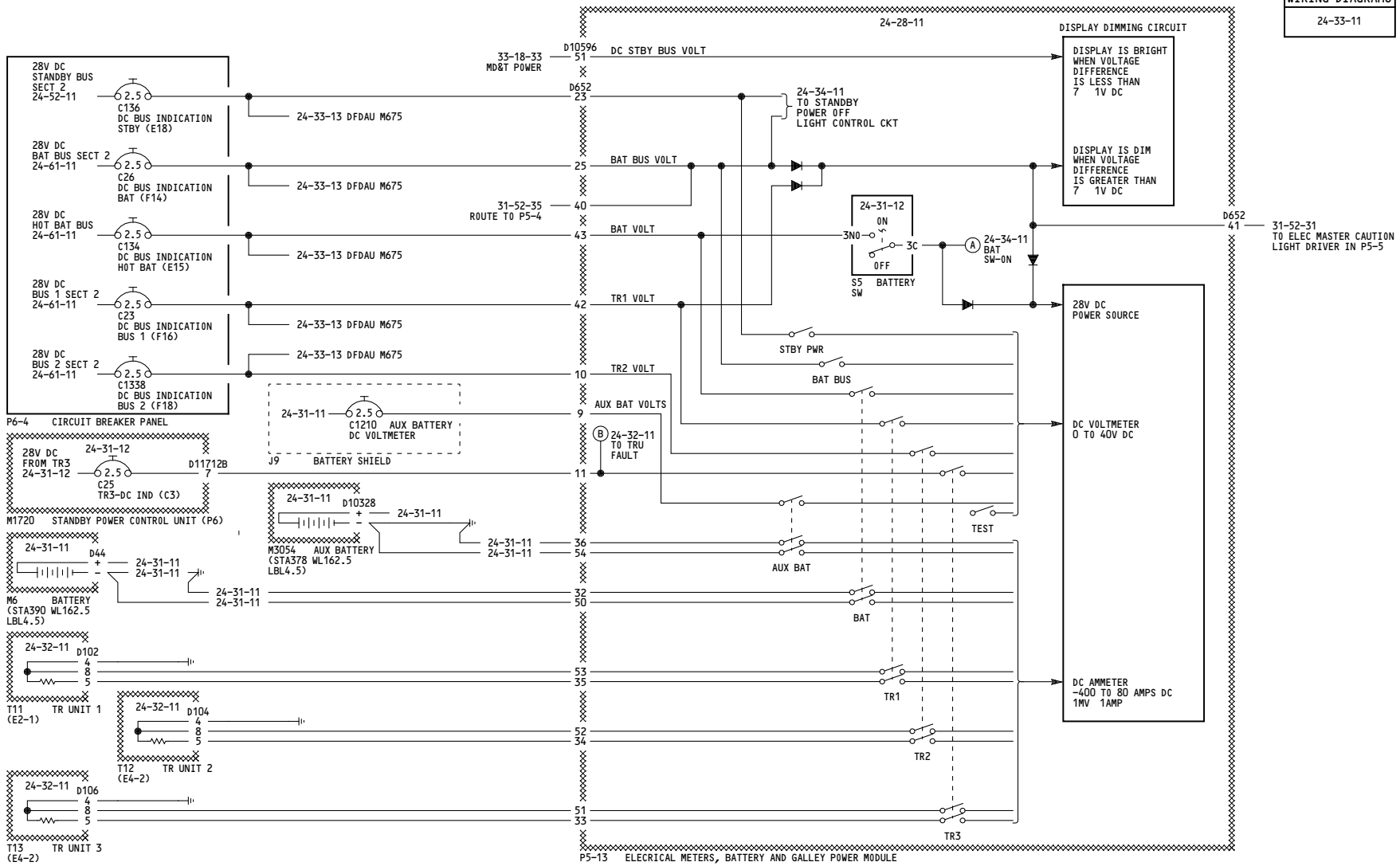

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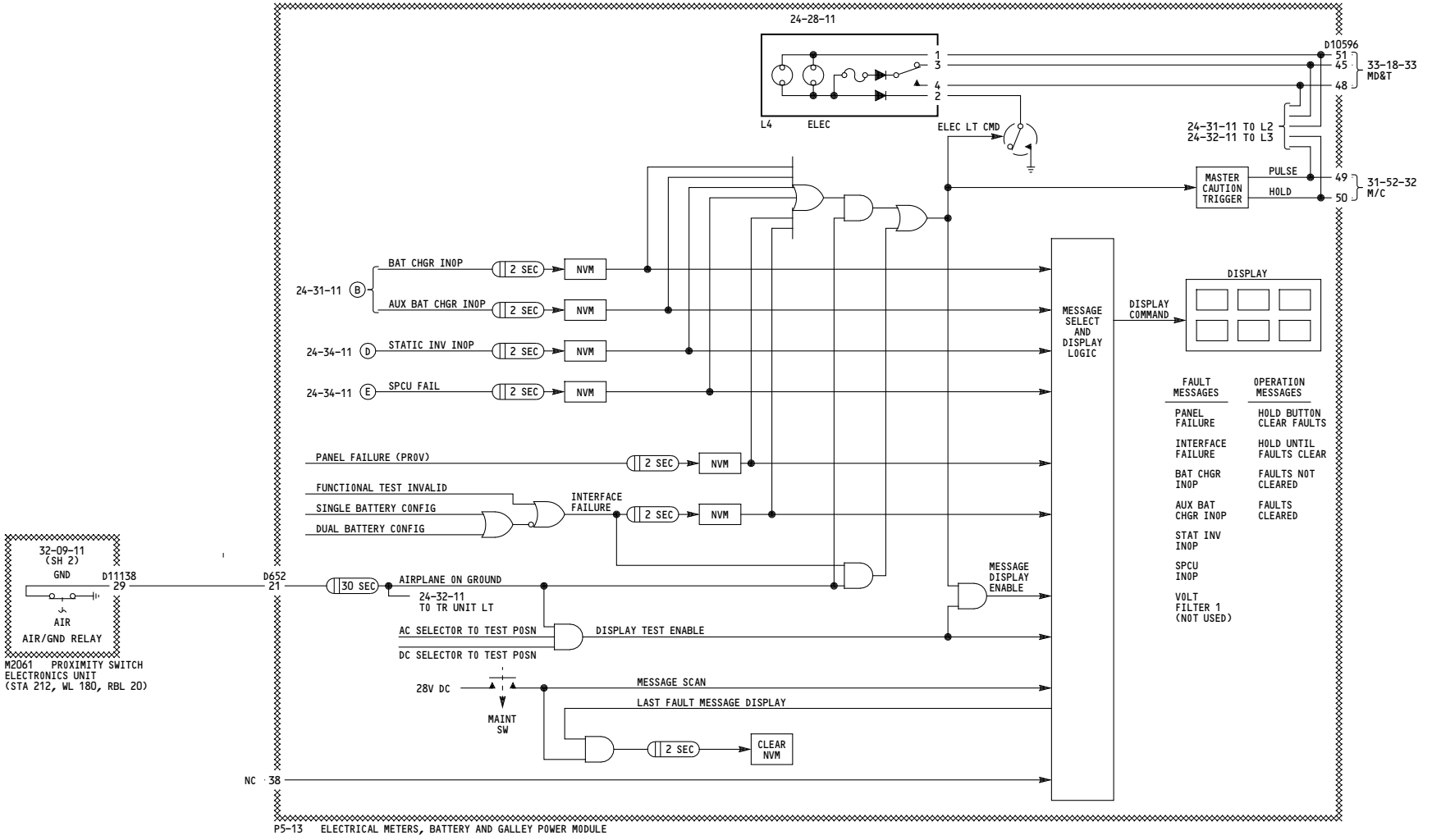
DC VOLTAGE AND CURRENT INDICATIONS

D280A451



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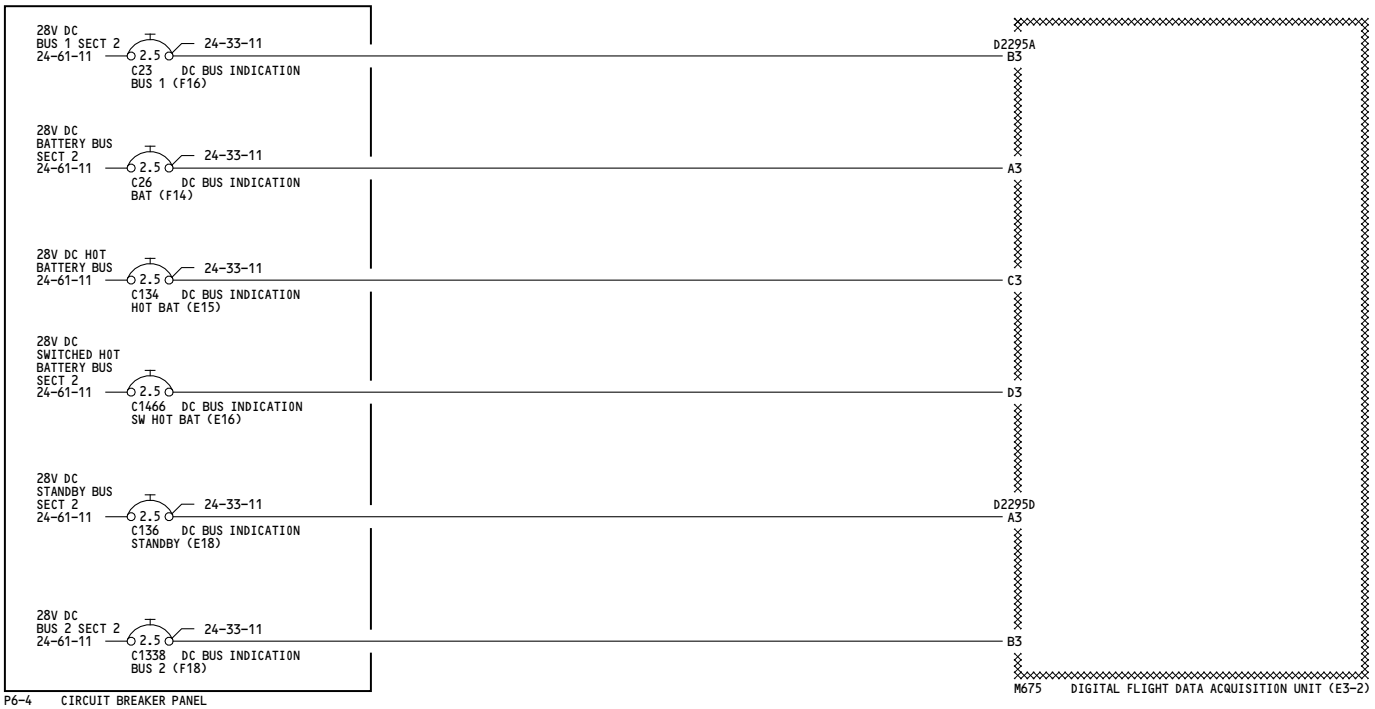
ELEC LIGHT AND ALPHANUMERIC DISPLAY

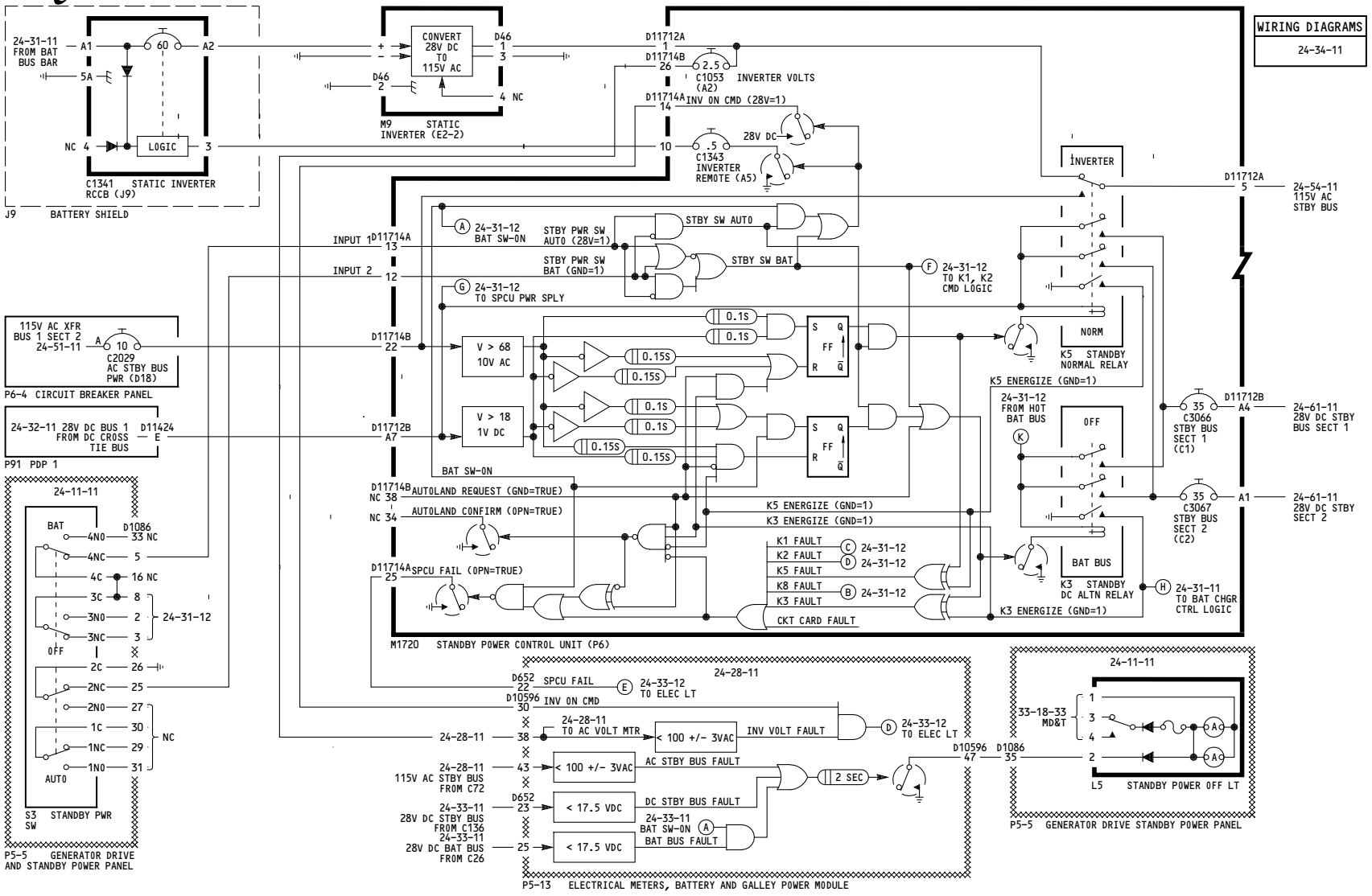
D280A451



ALL

DC BUS INDICATION DFDAU

D280A451



ALL

STANDBY POWER

D280A451

24-34-11

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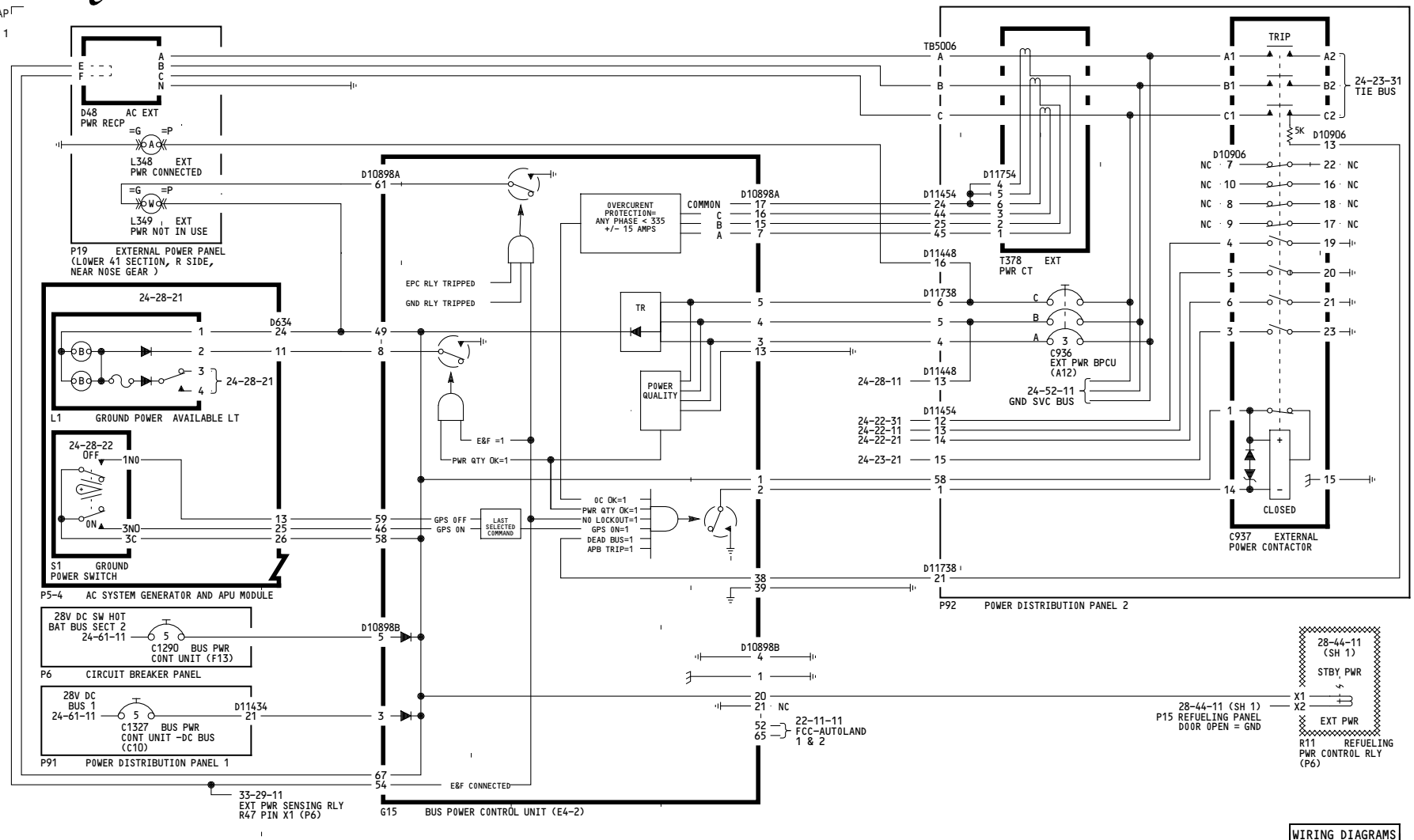
Jun 21/2016



WIRING DIAGRAMS
24-41-11

ALL	EXTERNAL POWER
	D280A451

24-41-11

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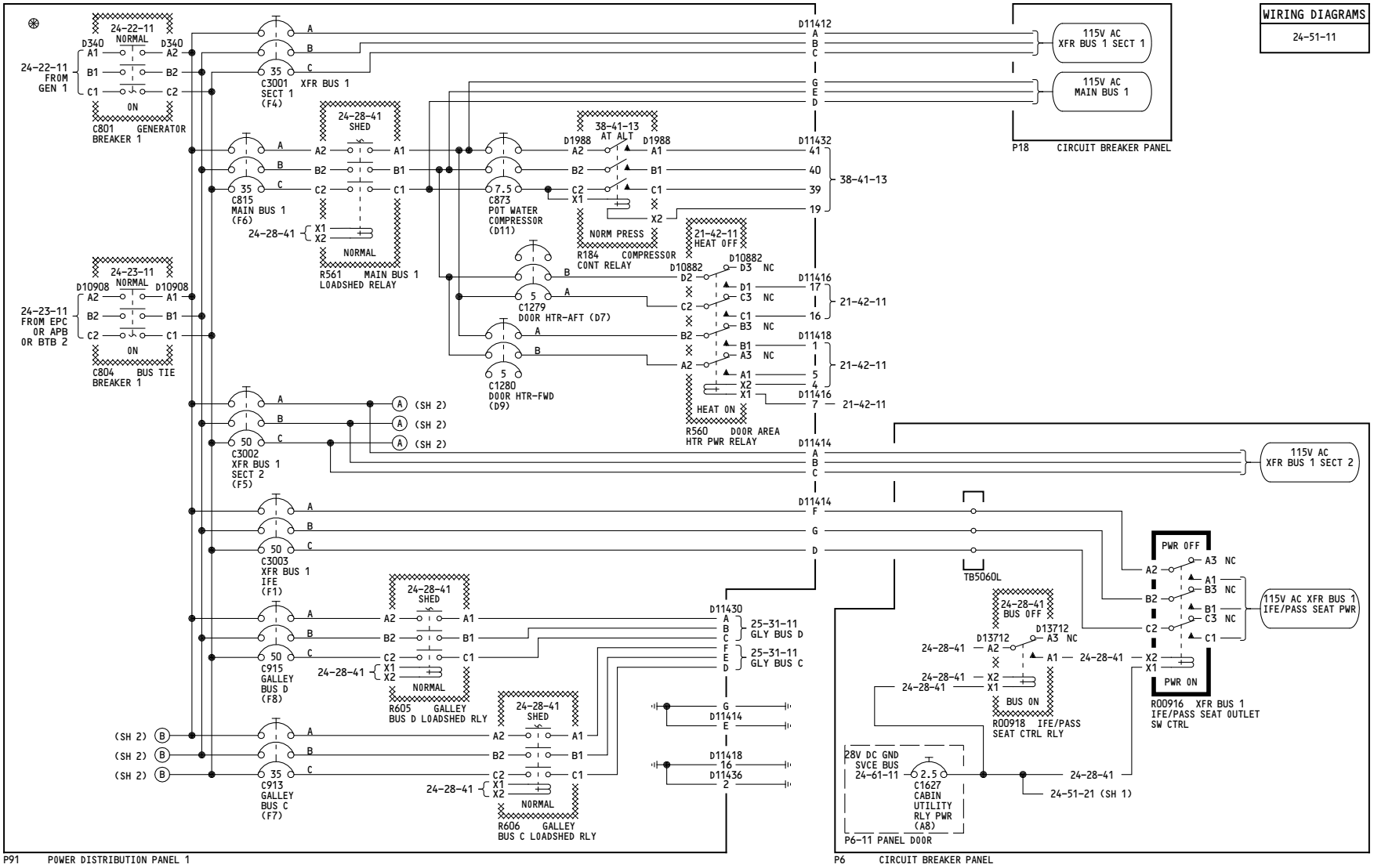
WIRING DIAGRAMS
24-51-11



YT101-YT120	115V AC TRANSFER BUS 1
	D280A451

24-51-11

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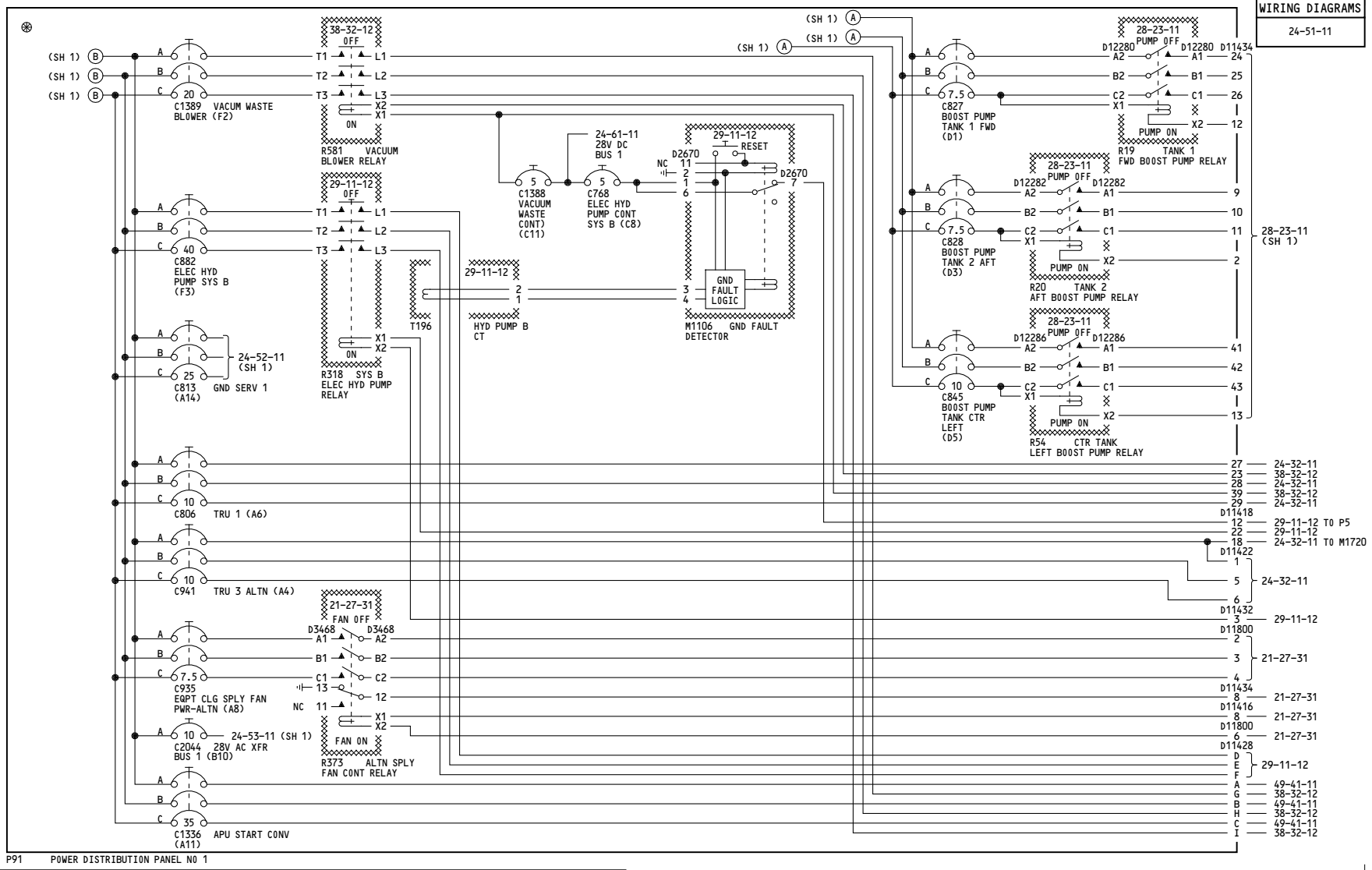
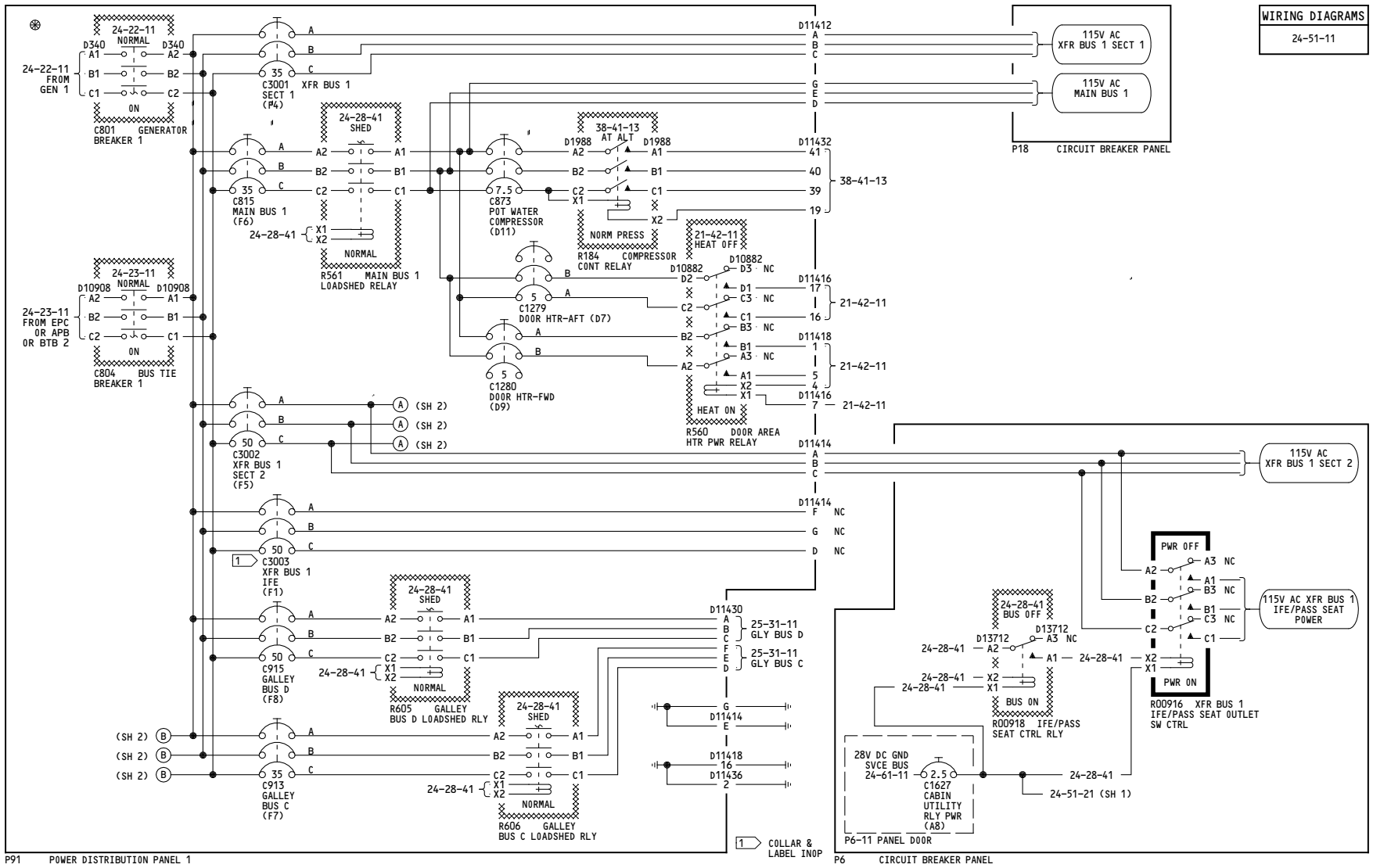
Mar 14/2016





YT126-YT133

115V AC TRANSFER BUS 1

D280A451

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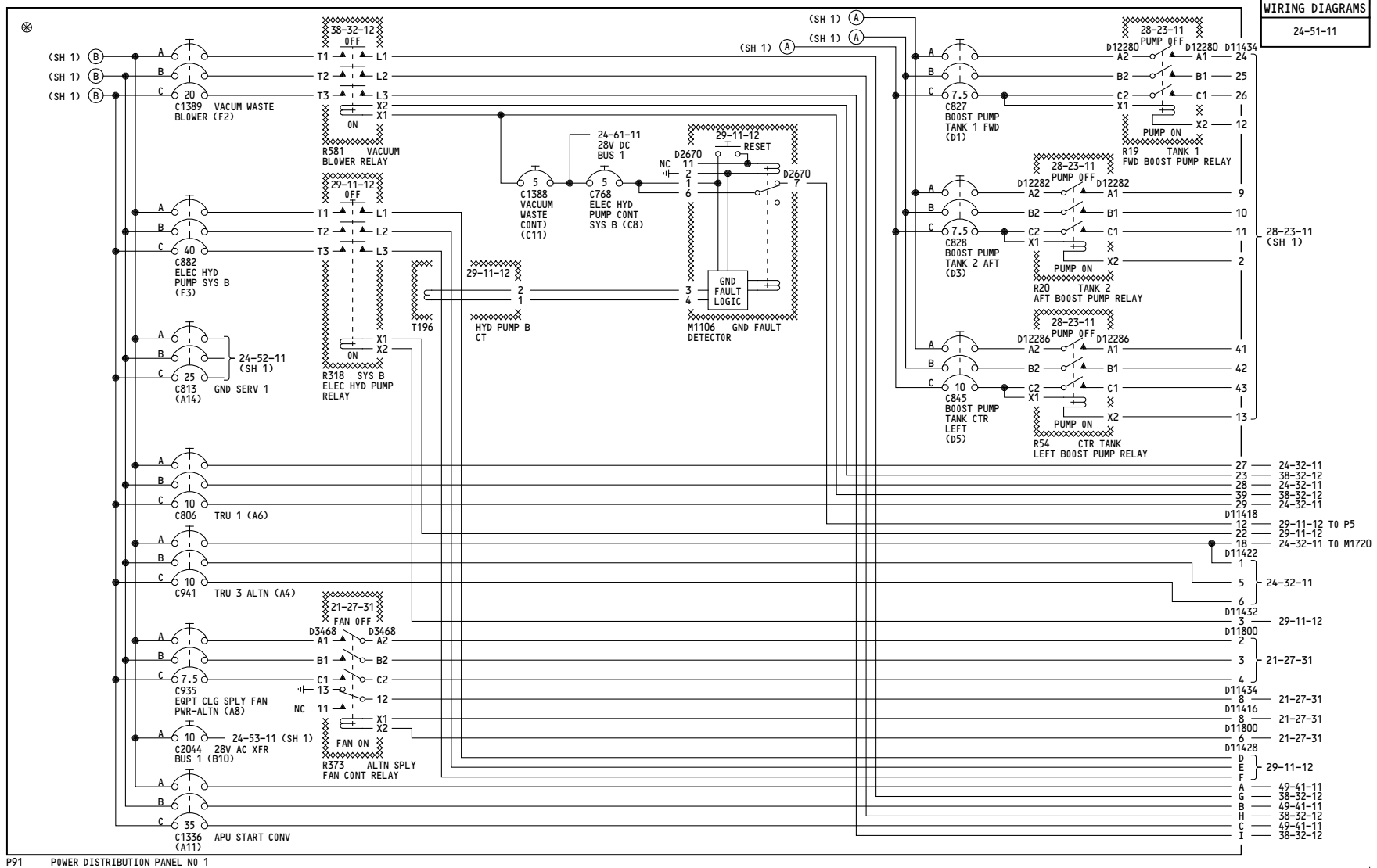

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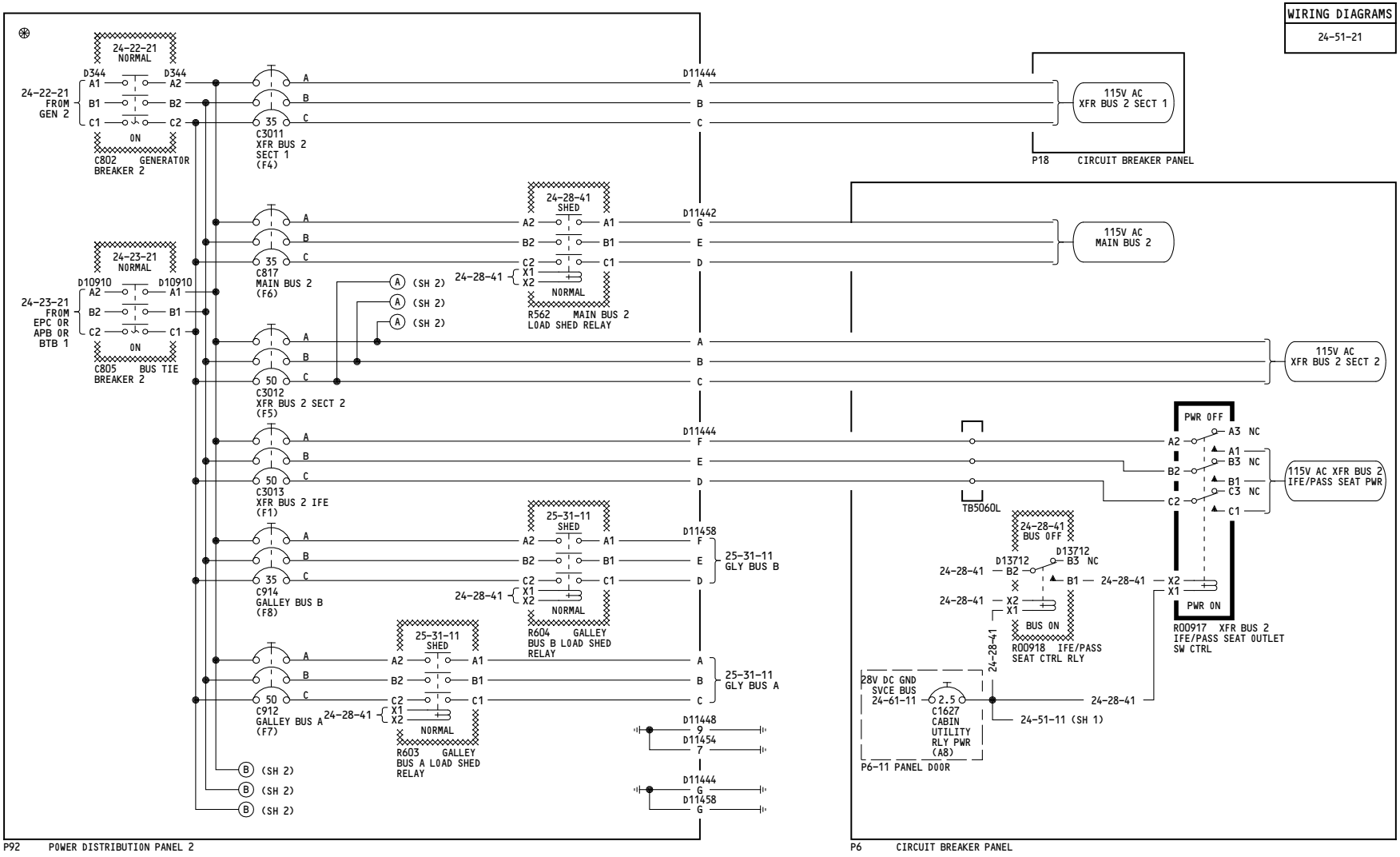
WIRING DIAGRAMS
24-51-21



YT101-YT120

115V AC TRANSFER BUS 2

D280A451

24-51-21

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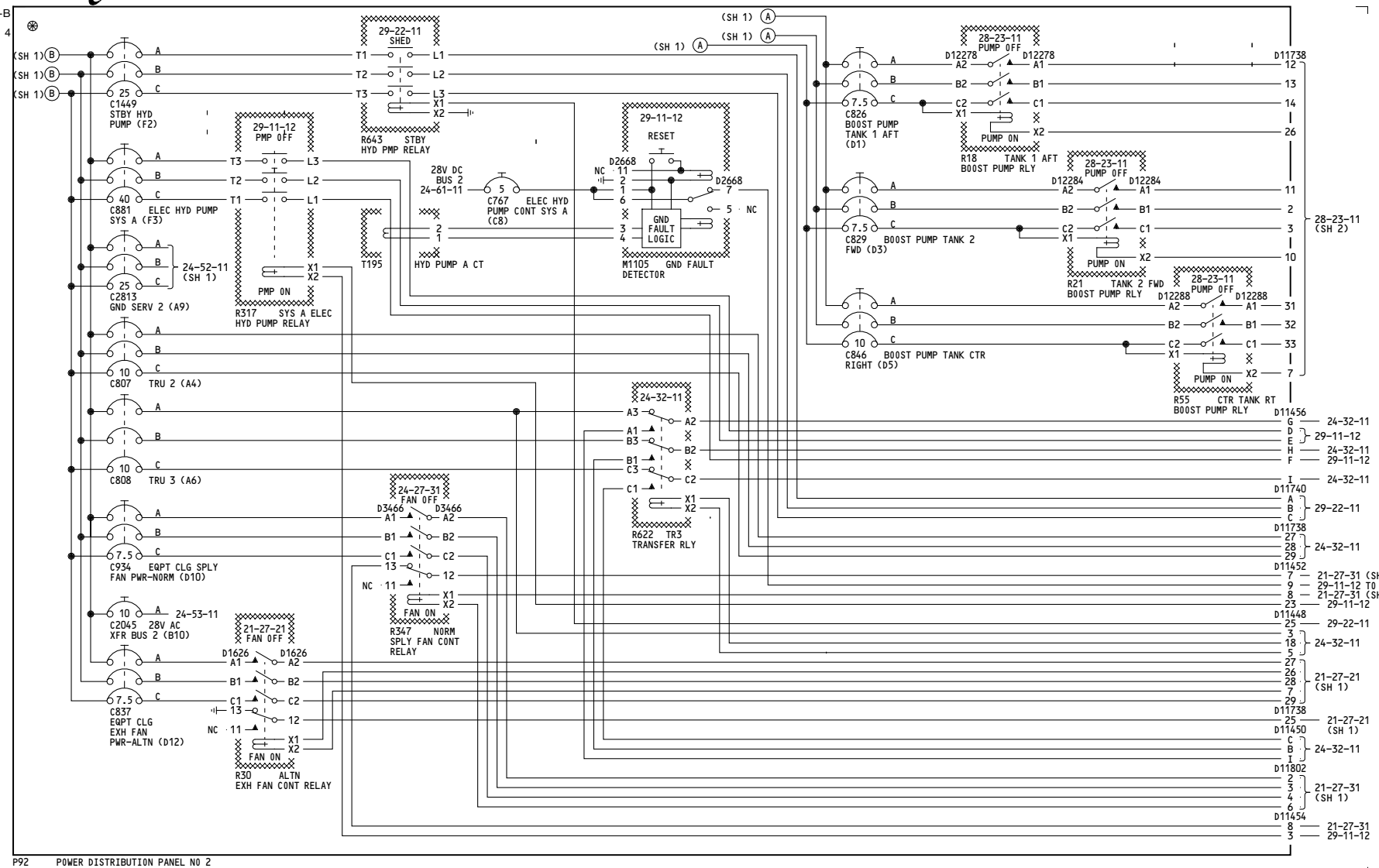
Sheet 1
Mar 14/2016



YT101-YT120

115V AC TRANSFER BUS 2

D280A451

24-51-21

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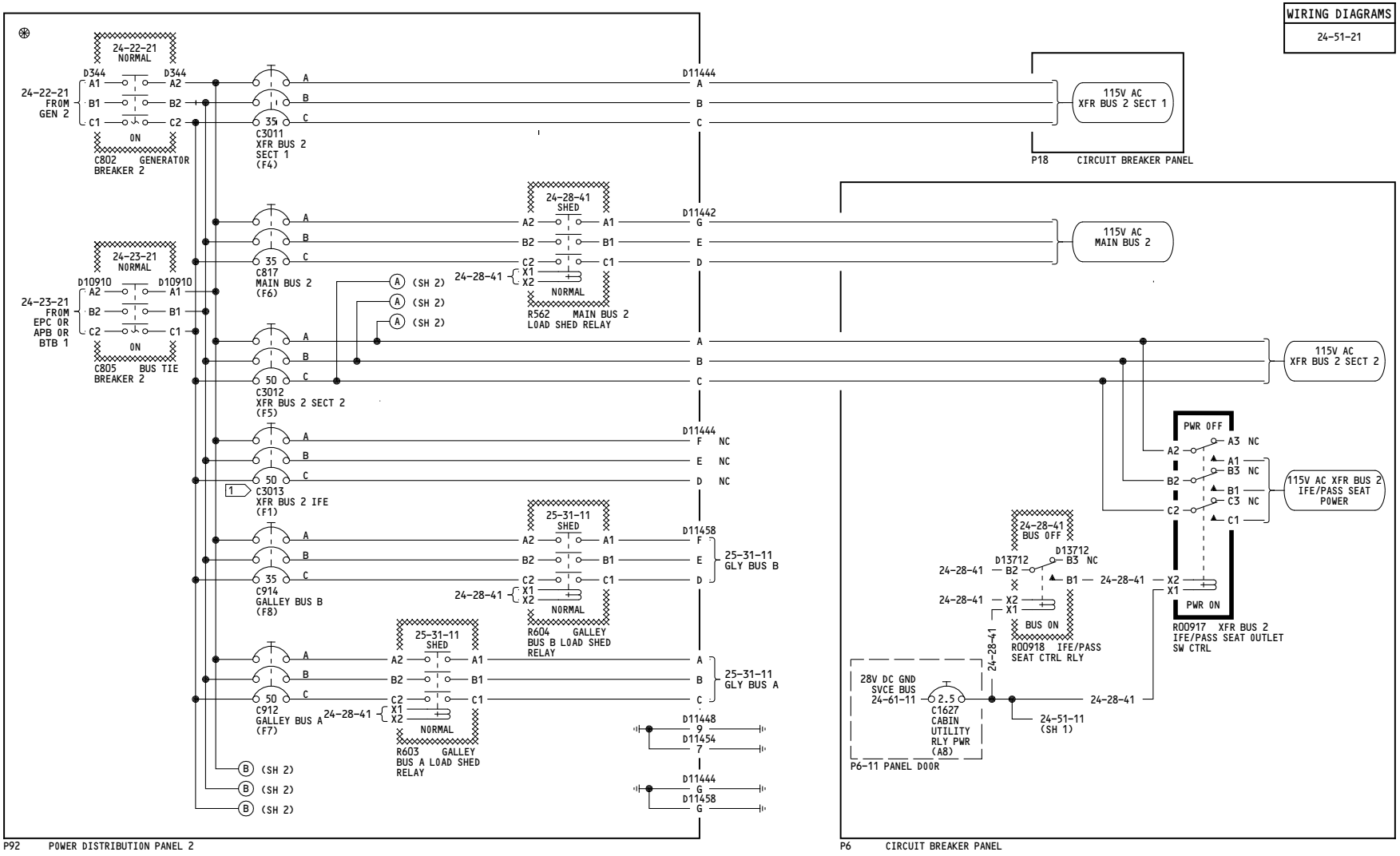
Sheet 2
Mar 14/2016



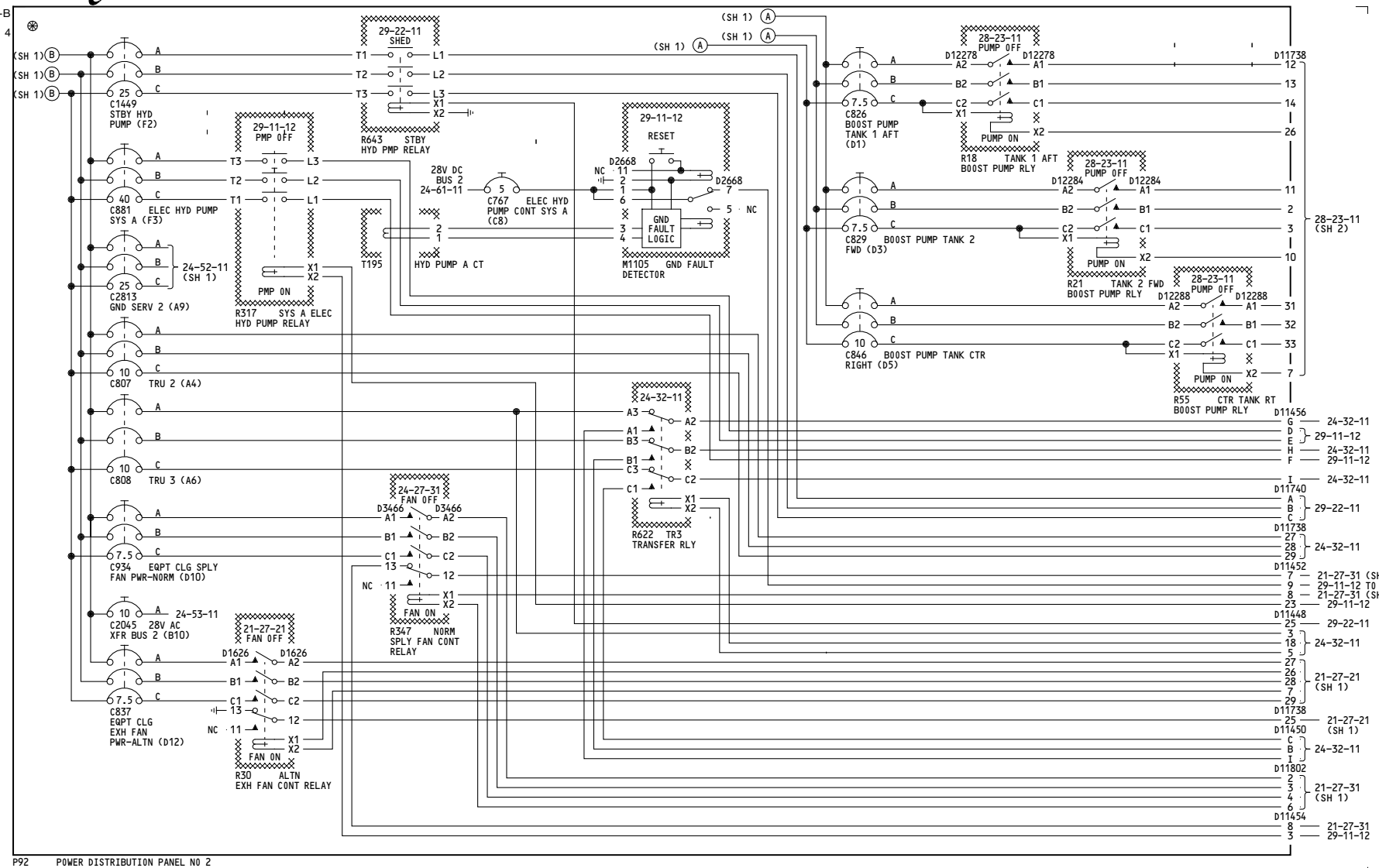
NOTES:

1 COLLAR & LABEL IN0P

YT126-YT133

115V AC TRANSFER BUS 2

D280A451



P92 POWER DISTRIBUTION PANEL NO 2

YT126-YT133

115V AC TRANSFER BUS 2

D280A451

24-51-21

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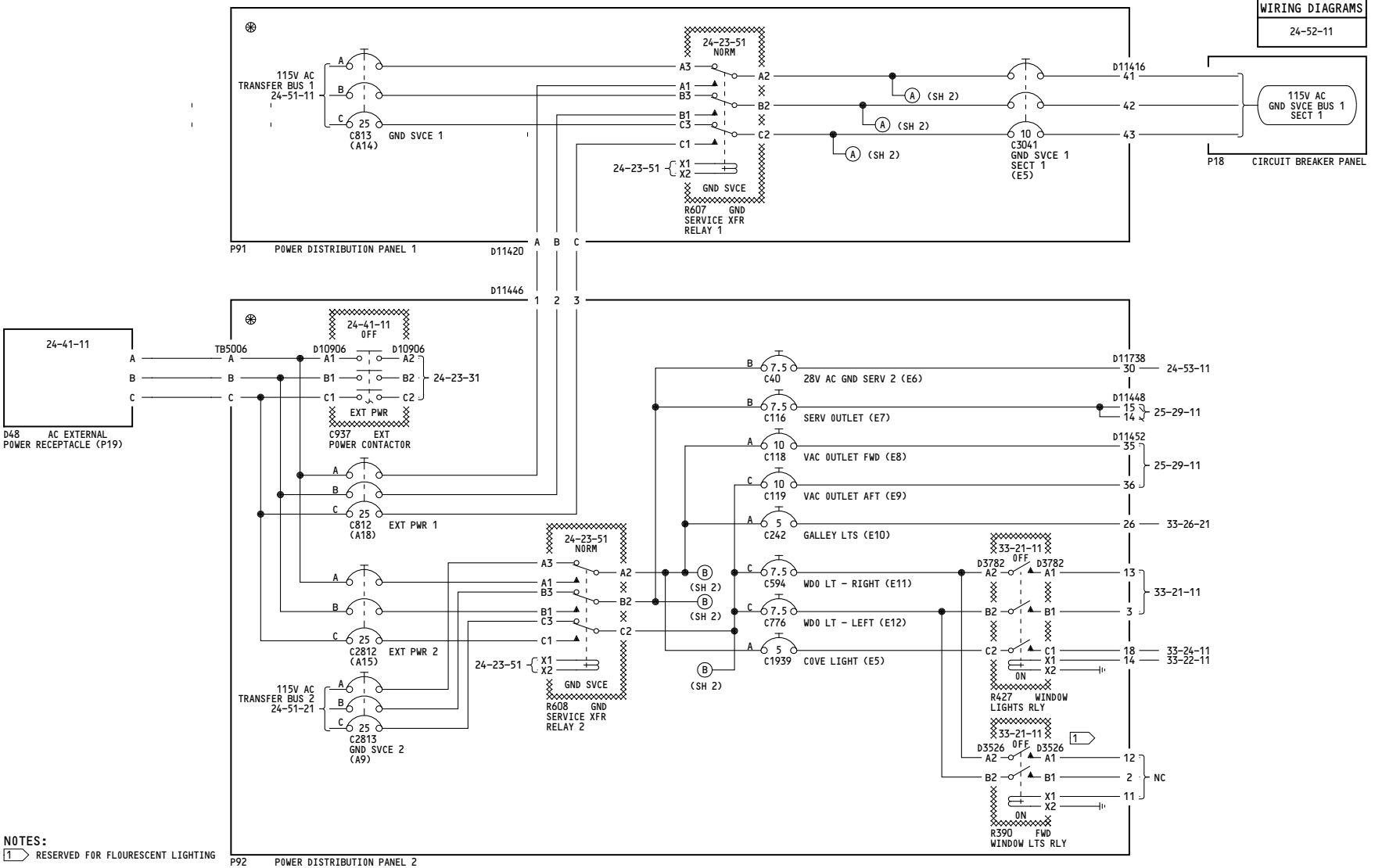
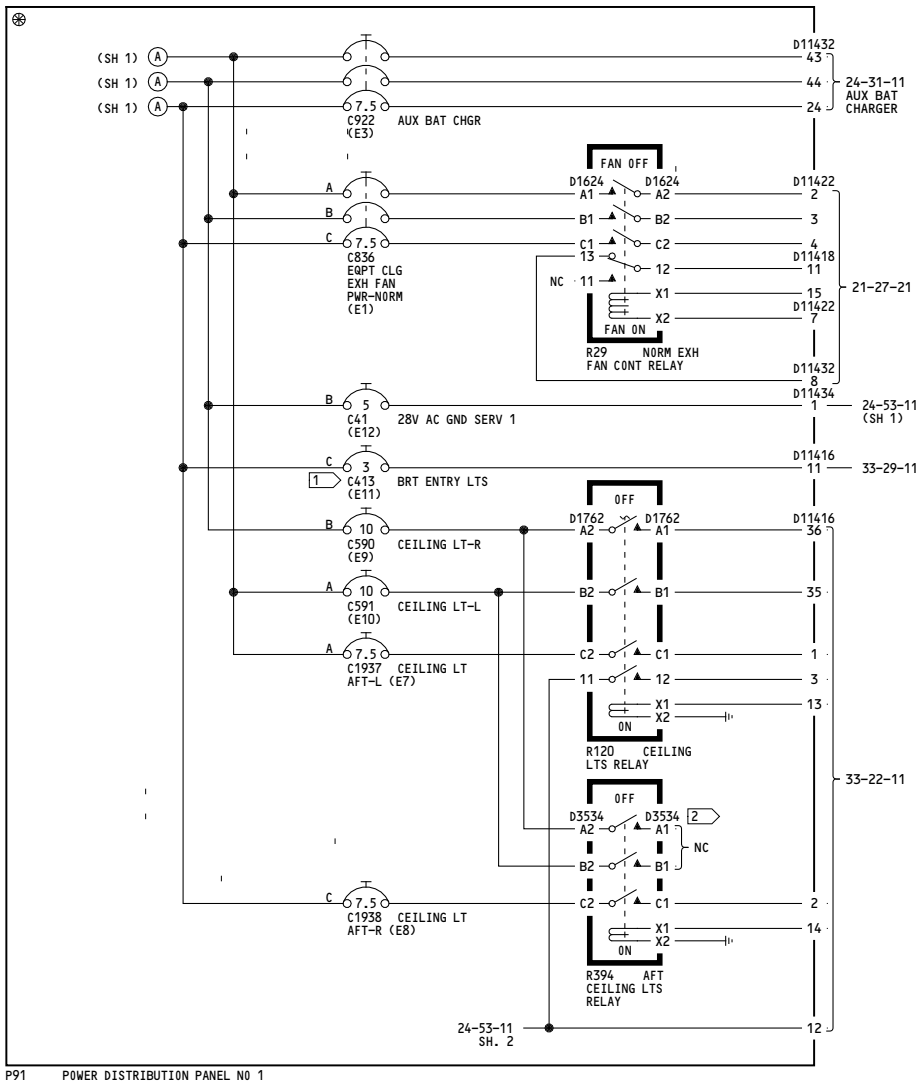
WIRING DIAGRAMS
24-52-11

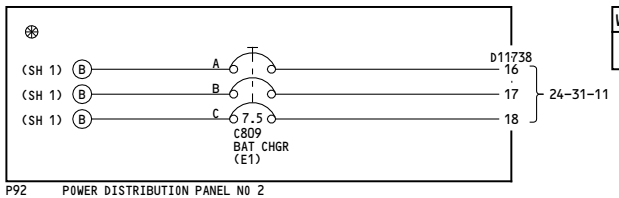


NOTES:
1 RESERVED FOR FLOURESCENT LIGHTING

ALL	115V AC GROUND SERVICE BUS
	D280A451



P91 POWER DISTRIBUTION PANEL NO 1

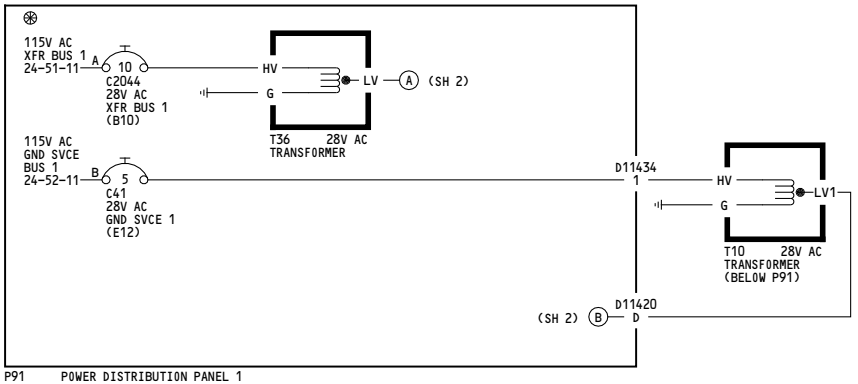


P92 POWER DISTRIBUTION PANEL NO 2

NOTES: 1 COLLAR AND LABEL INOP 2 RESERVED FOR FLOURESCENT LIGHTING

ALL	115V AC GROUND SERVICE BUS
	D280A451

WIRING DIAGRAMS
24-52-11



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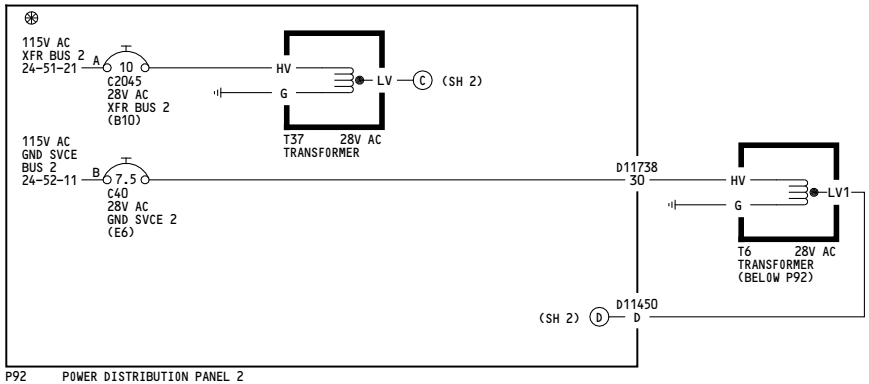
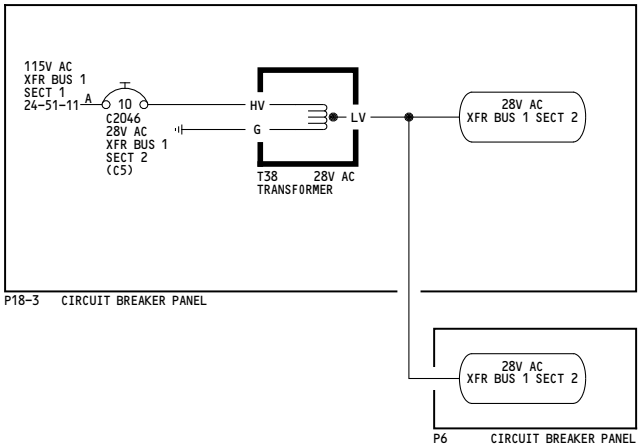
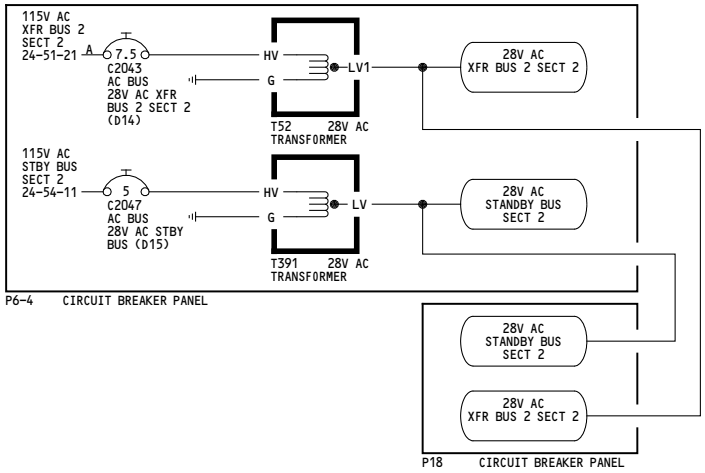


P92 POWER DISTRIBUTION PANEL 2



P18-3 CIRCUIT BREAKER PANEL

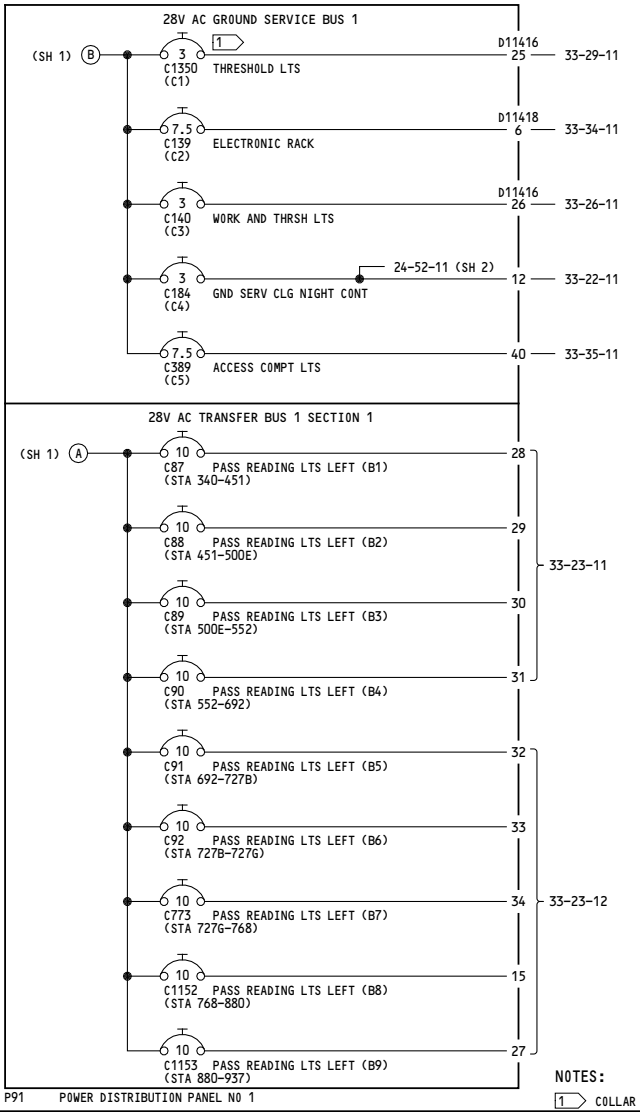
P6 CIRCUIT BREAKER PANEL



P6-4 CIRCUIT BREAKER PANEL

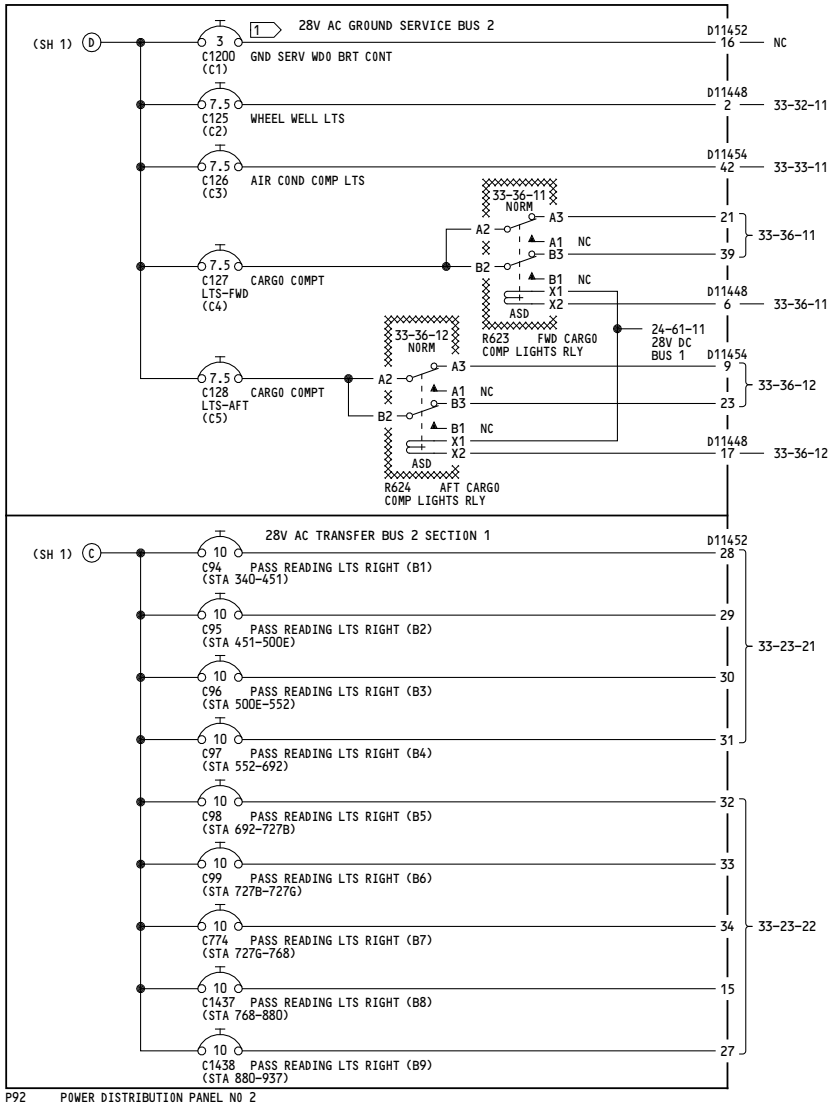
P18 CIRCUIT BREAKER PANEL

ALL	28V AC BUSES
	D280A451

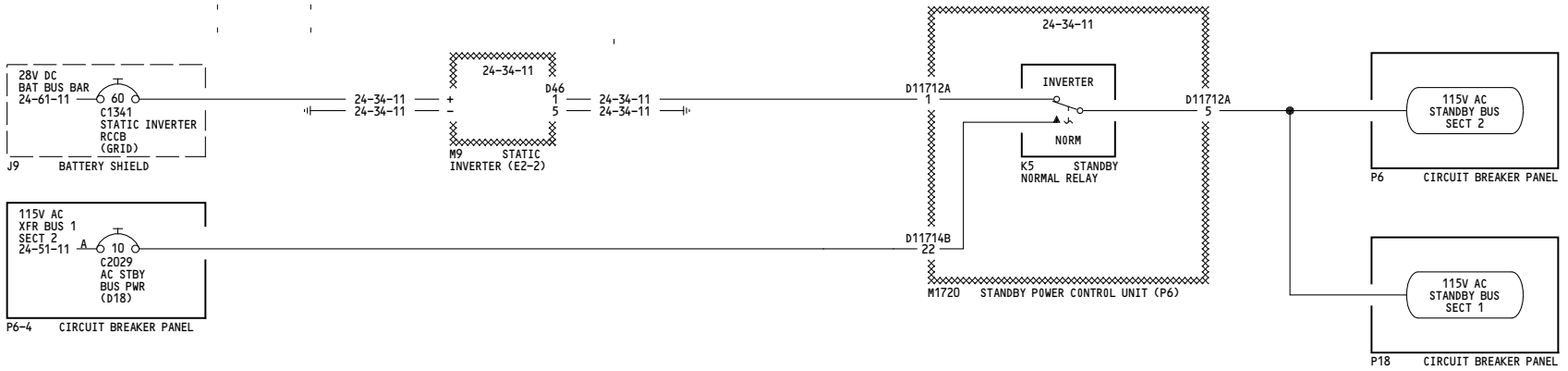


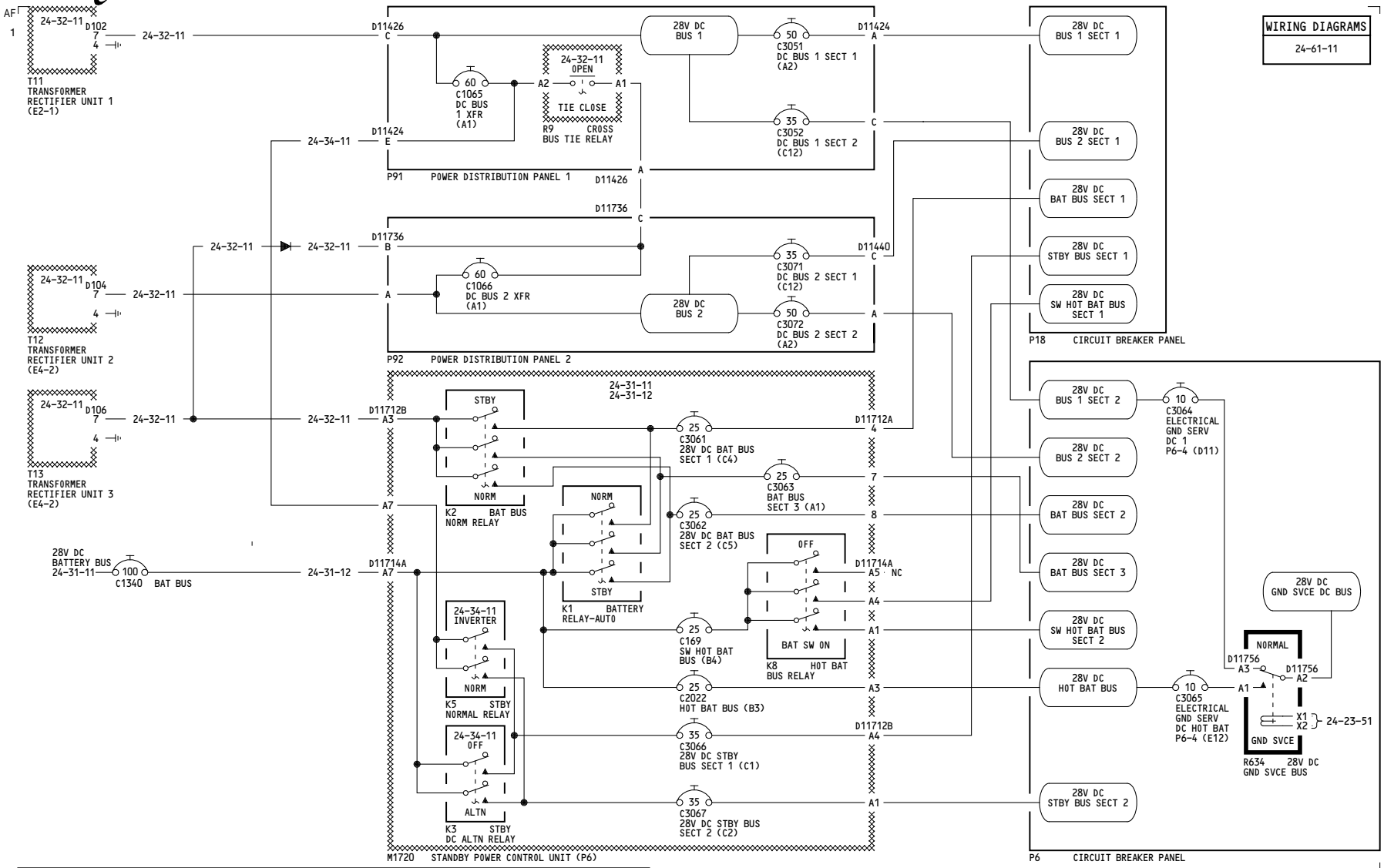
NOTES:

1 COLLAR AND LABEL IN0P



ALL	28V AC BUSES
	D280A451





ALL	28V DC BUSES
	D280A451