

**CHAPTER**

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**LIGHTS**

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# 737-800 SYSTEM SCHEMATIC MANUAL

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I	OVERHEAD INSTRUMENT PANEL LIGHTS PART TWO	33-12-12		101		Jun 21/2016	ALL
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I	MASTER DIM & TEST SYSTEM- FWD OVERHEAD PANEL, GROUP 3	33-18-33		101		Jun 21/2016	ALL
I	MASTER DIM & TEST SYSTEM- FWD OVERHEAD PANEL, GROUP 4	33-18-34		101		Jun 21/2016	ALL
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I	CEILING WASH LIGHTS - RIGHT	33-22-15		101	1	Jun 21/2016	ALL
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I	PASS READING LTS - LEFT AFT	33-23-12		101		Jun 21/2016	ALL
I	PASS READING LTS - RIGHT FWD	33-23-21		101		Jun 21/2016	ALL
I	PASS READING LTS - RIGHT AFT	33-23-22		101		Jun 21/2016	ALL
I	READING LTS - PASS SERVICE UNIT	33-23-31		101		Jun 21/2016	ALL
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	PASS SIGNS - MISC	33-25-12		101		Mar 14/2016	YT101-YT118
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I	PASSENGER AND LAVATORY CALL - RIGHT FWD	33-27-31		101		Jun 21/2016	ALL
I	PASSENGER AND LAVATORY CALL - RIGHT AFT	33-27-32		101		Jun 21/2016	ALL
I	PASSENGER AND LAVATORY CALL - PSU	33-27-41		101		Jun 21/2016	ALL
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33-18-64	MASTER DIM & TEST SYSTEM- AISLE STAND PANEL, GROUP 4	33-18-11	MASTER DIM & TEST SYSTEM- POWER & CONTROL
33-18-31	MASTER DIM & TEST SYSTEM- FWD OVERHEAD PANEL, GROUP 1	33-25-41	NO SMOKING/FASTEN SEAT BELT SIGNS - PASS SERVICE UNIT
33-18-32	MASTER DIM & TEST SYSTEM- FWD OVERHEAD PANEL, GROUP 2	33-12-11	OVERHEAD INSTRUMENT PANEL LIGHTS PART ONE
33-18-33	MASTER DIM & TEST SYSTEM- FWD OVERHEAD PANEL, GROUP 3	33-12-12	OVERHEAD INSTRUMENT PANEL LIGHTS PART TWO
33-18-34	MASTER DIM & TEST SYSTEM- FWD OVERHEAD PANEL, GROUP 4	33-23-12	PASS READING LTS - LEFT AFT
33-18-35	MASTER DIM & TEST SYSTEM- FWD OVERHEAD PANEL, GROUP 5	33-23-11	PASS READING LTS - LEFT FWD
33-18-36	MASTER DIM & TEST SYSTEM- FWD OVERHEAD PANEL, GROUP 6	33-23-22	PASS READING LTS - RIGHT AFT
33-18-37	MASTER DIM & TEST SYSTEM- FWD OVERHEAD PANEL, GROUP 7	33-23-21	PASS READING LTS - RIGHT FWD
33-18-51	MASTER DIM & TEST SYSTEM- GLARESHIELD PANEL	33-25-11	PASS SIGN - CONTROL
33-18-21	MASTER DIM & TEST SYSTEM- MAIN INSTRUMENT PANEL, CAPT	33-25-12	PASS SIGNS - MISC
33-18-23	MASTER DIM & TEST SYSTEM- MAIN INSTRUMENT PANEL, CTR LEFT	33-25-22	PASS SIGNS - PSU LEFT AFT
33-18-24	MASTER DIM & TEST SYSTEM- MAIN INSTRUMENT PANEL, CTR RIGHT	33-25-21	PASS SIGNS - PSU LEFT FWD
33-18-22	MASTER DIM & TEST SYSTEM- MAIN INSTRUMENT PANEL, F/O	33-25-32	PASS SIGNS - PSU RIGHT AFT
		33-25-31	PASS SIGNS - PSU RIGHT FWD
		33-27-22	PASSENGER AND LAVATORY CALL - LEFT AFT
		33-27-21	PASSENGER AND LAVATORY CALL - LEFT FWD
		33-27-41	PASSENGER AND LAVATORY CALL - PSU
		33-27-32	PASSENGER AND LAVATORY CALL - RIGHT AFT
		33-27-31	PASSENGER AND LAVATORY CALL - RIGHT FWD

**33-ALPHABETICAL INDEX**



**CHAPTER 33  
LIGHTS**

CH-SC-SU	Title
33-27-11	PASSENGER AND LAVATORY CALL CONTROL
33-14-11	PILOT'S BACKGROUND LIGHTS
33-11-41	PILOTS CONTROL STAND LIGHTING
33-23-31	READING LTS - PASS SERVICE UNIT
33-35-11	SERVICE LIGHTING - ACCESSORY COMPARTMENT
33-33-11	SERVICE LIGHTING - AIR CONDITIONING COMPARTMENT
33-36-12	SERVICE LIGHTING - CARGO COMPARTMENT - AFT
33-36-11	SERVICE LIGHTING - CARGO COMPARTMENT - FWD
33-34-11	SERVICE LIGHTING - EQUIPMENT RACK FORWARD LOWER COMPARTMENT
33-32-11	SERVICE LIGHTING - WHEEL WELLS
33-00-01	SPARE BULB STOWAGE
33-11-32	STANDBY INSTRUMENT AND PANEL LIGHTS - CAPT, F/O, CENTER PANELS
33-11-33	STANDBY INSTRUMENT AND PANEL LIGHTS - CONTROL STAND
33-21-12	WINDOW LIGHTS
33-21-11	WINDOW LIGHTS CONTROL

CH-SC-SU	Title

**33-ALPHABETICAL INDEX**

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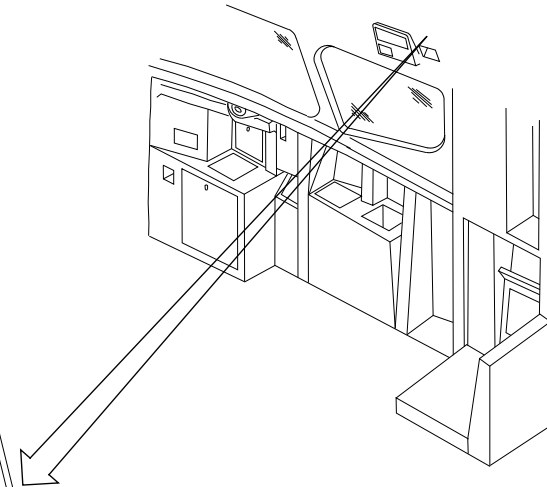
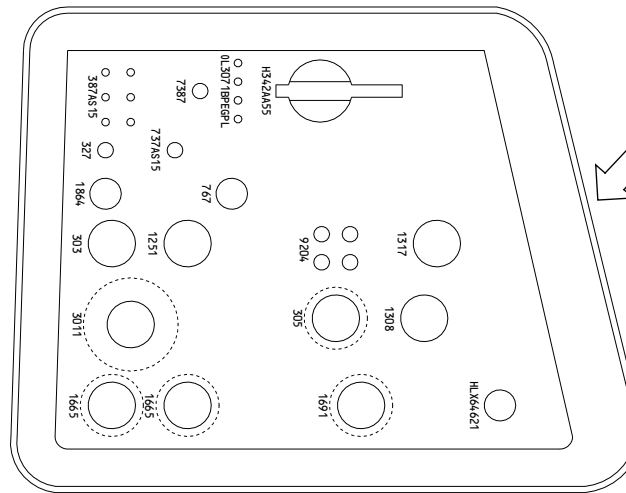
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LAMP NO.	USAGE	SPARE QTY
303	P6 FLOOD LT (OVHD)	1
305IF	THRESHOLD LT	1
327	STANDBY COMPASS LIGHTED PUSH BUTTON SW LAVATORY CALL LT	1
387AS15	ANNUNCIATOR LT LIGHTED PUSH BUTTON SW ASP MIC SELECT SW FIRE HANDLE LT NS/FSB SIGN	6
737AS15	MASTER CAUTION DISPLAY	1
767 ***	EXTERIOR EMERGENCY LT	1
1251	LAVATORY LT	1
1308	MAP LT ATTENDANT WORK LT	1
1317	PASS CABIN EMERGENCY LT CONT CABIN EMERGENCY LT	1
1665	CONT CABIN DOME LT WHEEL WELL LT AIR CONDITIONING COMPARTMENT LT ASSESSORY COMPARTMENT LT E/E BAY RACK LT CARGO COMPARTMENT LT	2
1691	P6 FLOOD LT (FLOOR)	1
1864	MASTER CAUTION ANNUNCIATOR FIRE WARNING ANNUNCIATOR FLIGHT KIT LT P6/P18 PANEL FLOOD LT PASS CABIN NIGHT LT CABIN ENTRY LT (DIM) RETURN TO SEAT SIGN (LAV)	1

LAMP NO.	USAGE	SPARE QTY
3011	WHEEL WELL LT	1
0L-3071BPE GPL	FLOOR PROXIMITY LT EMERGENCY EXIT SIGN	4
7387	PASS CABIN ATTENDANT CALL LT	1
9204 ***	FLIGHT CREW CHART LT PASSENGER READING LT	4
H342AA55	STANDBY ATTITUDE IND LT	1
HLX64621 ***	WING SCANNING LT POSITION LT LOGO LT	1

THIS CHART DOES NOT SHOW ALL BULBS USED ON AIRCRAFT.

\*\*\* SPECIAL HANDLING REQUIRED:- LEAVE SHIPPING SLEEVE ON  
UNTIL INSTALLED IN ASSEMBLY. FINGERPRINTS WILL SHORTEN  
LAMP LIFE.

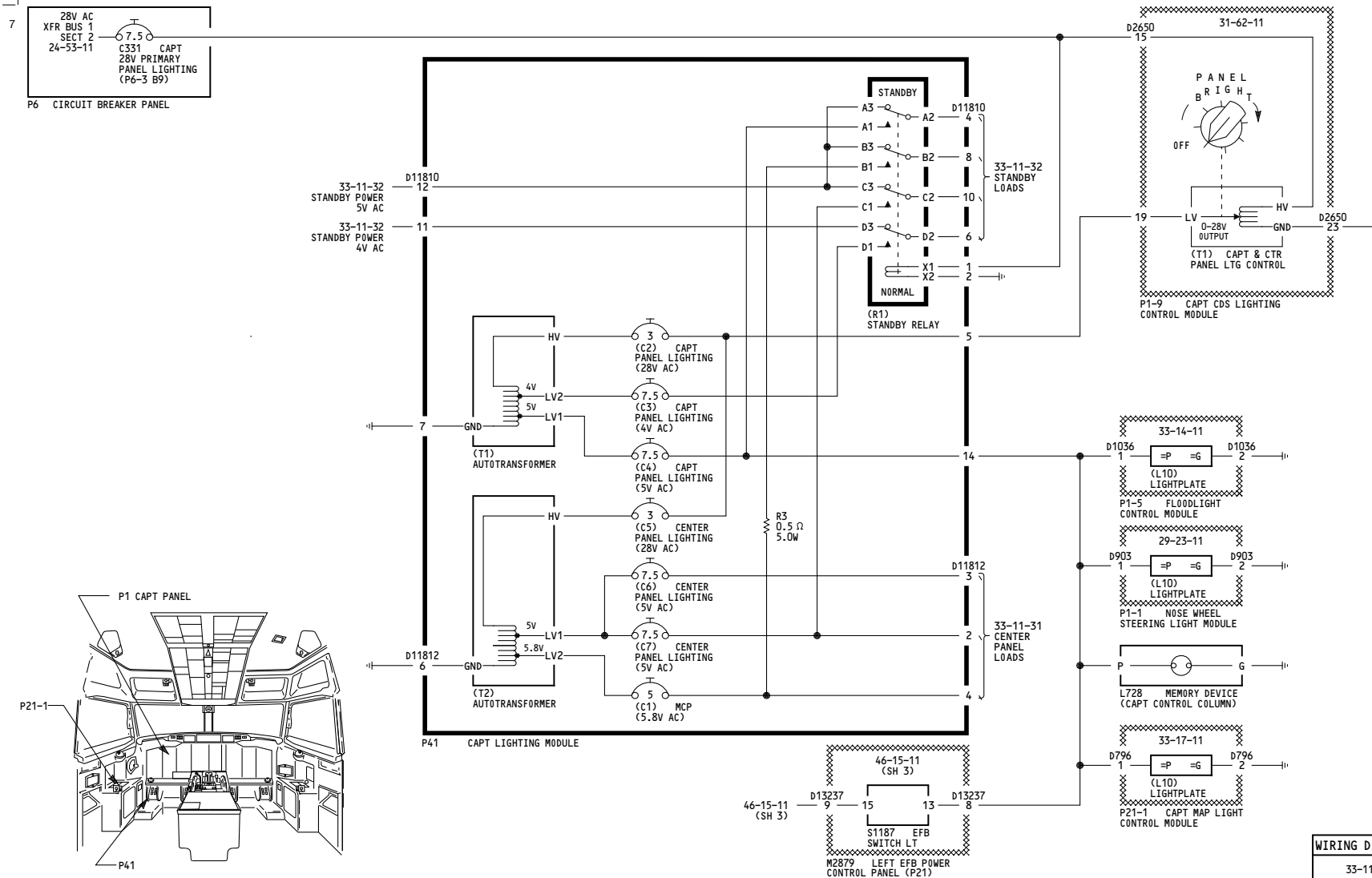


ALL	SPARE BULB STOWAGE
	D280A451

**33-00-01**

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WIRING DIAGRAMS  
33-11-11

YT101-YT120

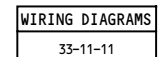
## CAPTAIN'S INSTRUMENT PANEL LIGHTING

D280A451

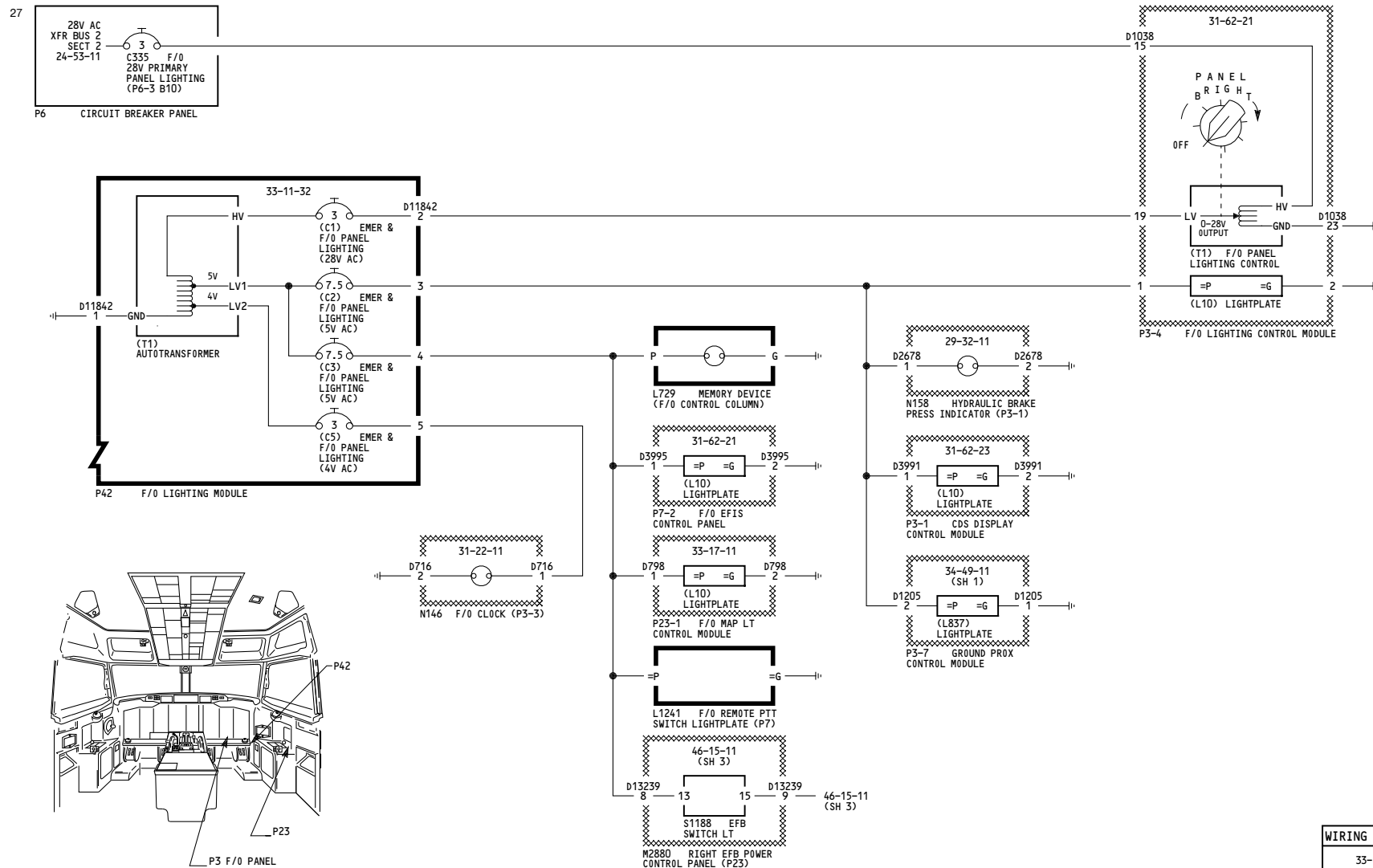
33-11-11

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**33-11-11**



WIRING DIAGRAMS  
33-11-21

## 33-11-21

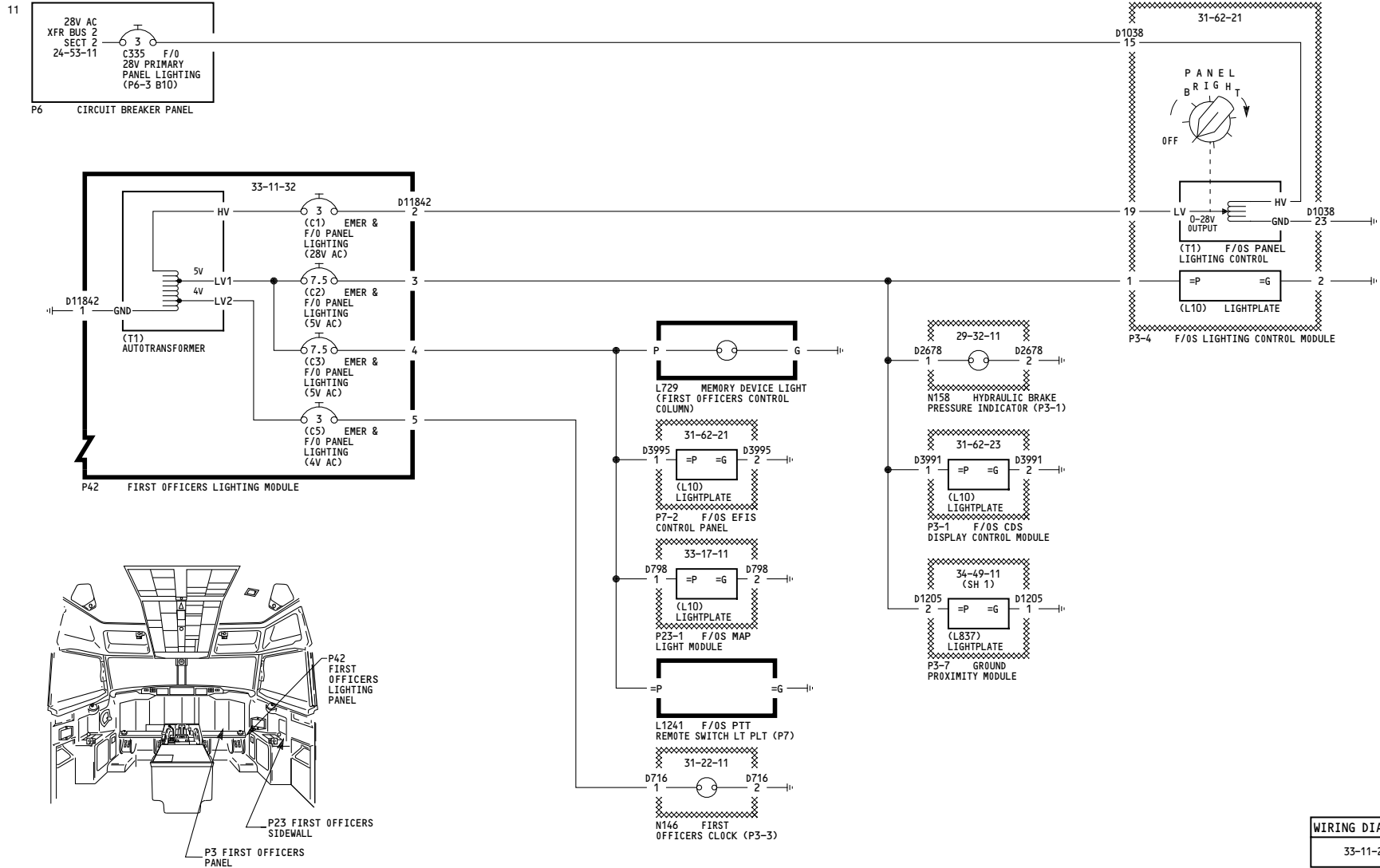
Page 101

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YT101-YT120

### FIRST OFFICER'S INSTRUMENT PANEL LIGHTING

D280A451



WIRING DIAGRAMS  
33-11-21

**33-11-21**

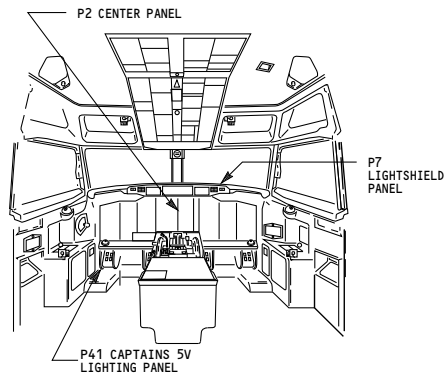
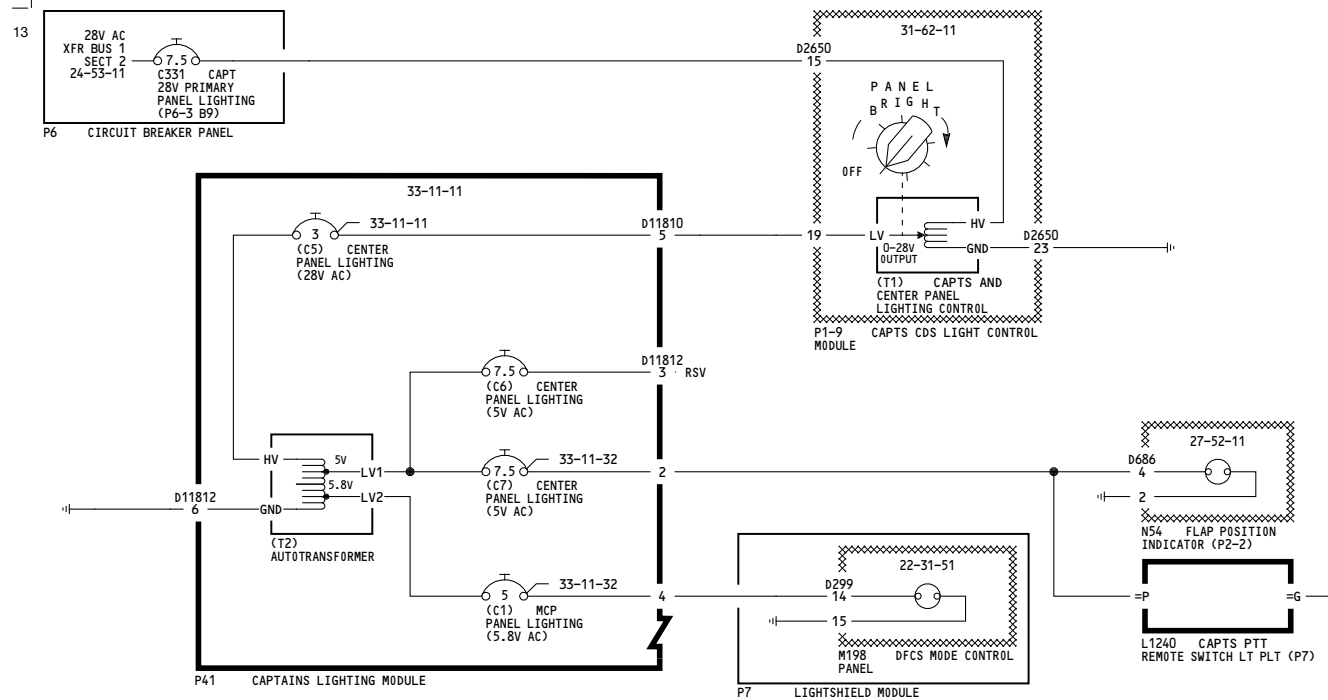
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YT126-YT133

**FIRST OFFICER'S  
INSTRUMENT PANEL LIGHTING**

D280A451



ALL

### CAPTAIN'S & FIRST OFFICER'S CENTER INSTRUMENT PANEL

D280A451

## WIRING DIAGRAMS

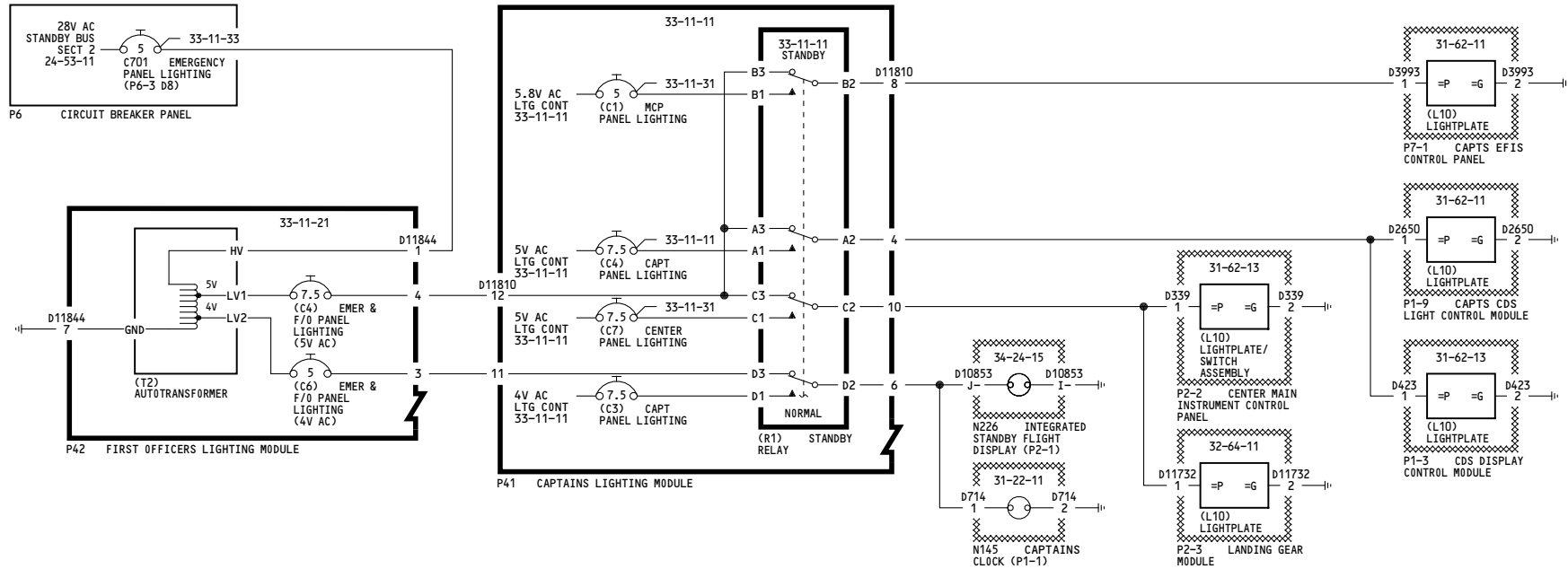
33-11-31

**33-11-31**

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WIRING DIAGRAMS  
33-11-32

## 33-11-32

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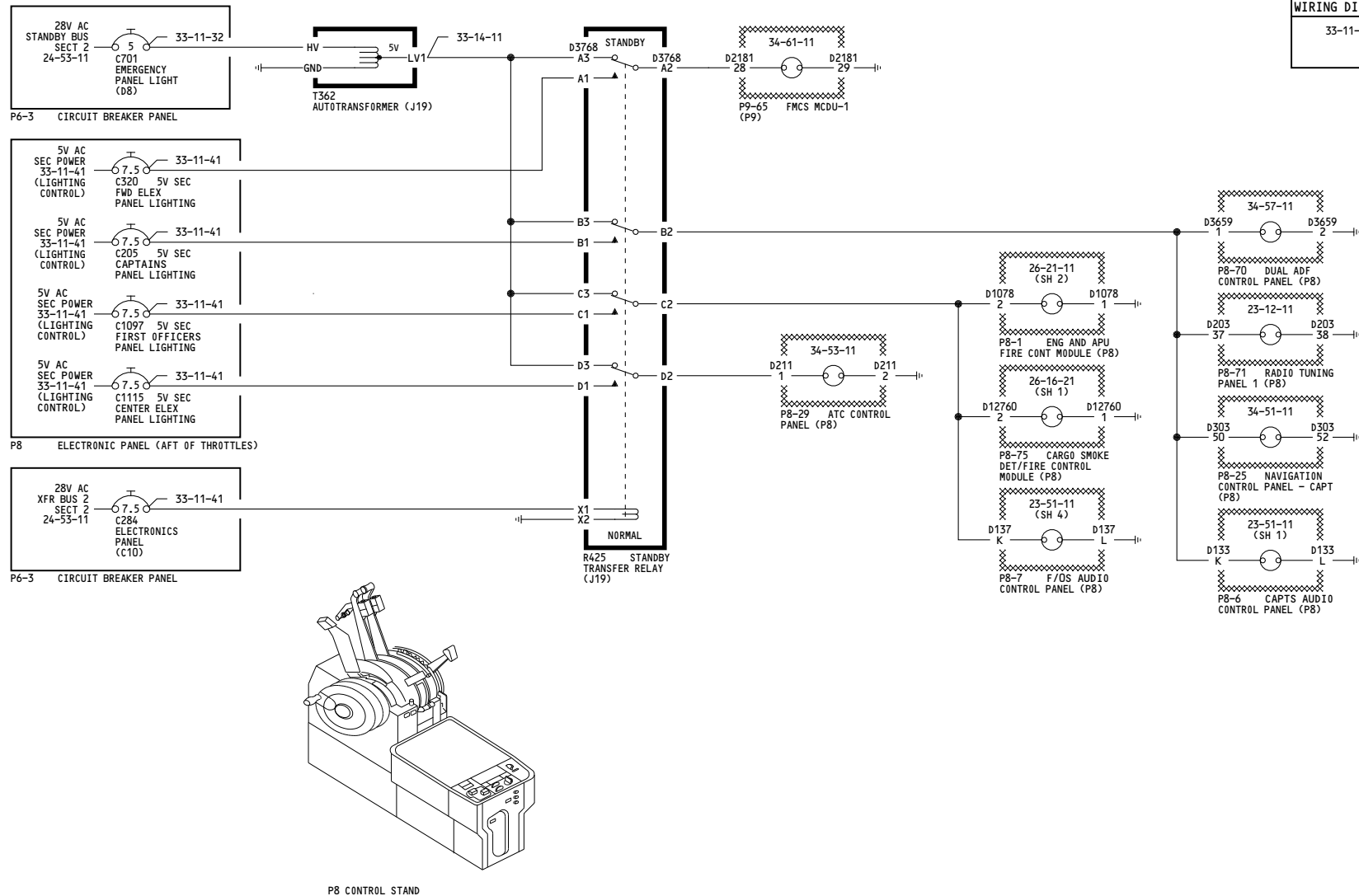
Jun 21/2016

ALL

STANDBY INSTRUMENT AND  
PANEL LIGHTS - CAPT, F/O,  
CENTER PANELS

D280A451





ALL

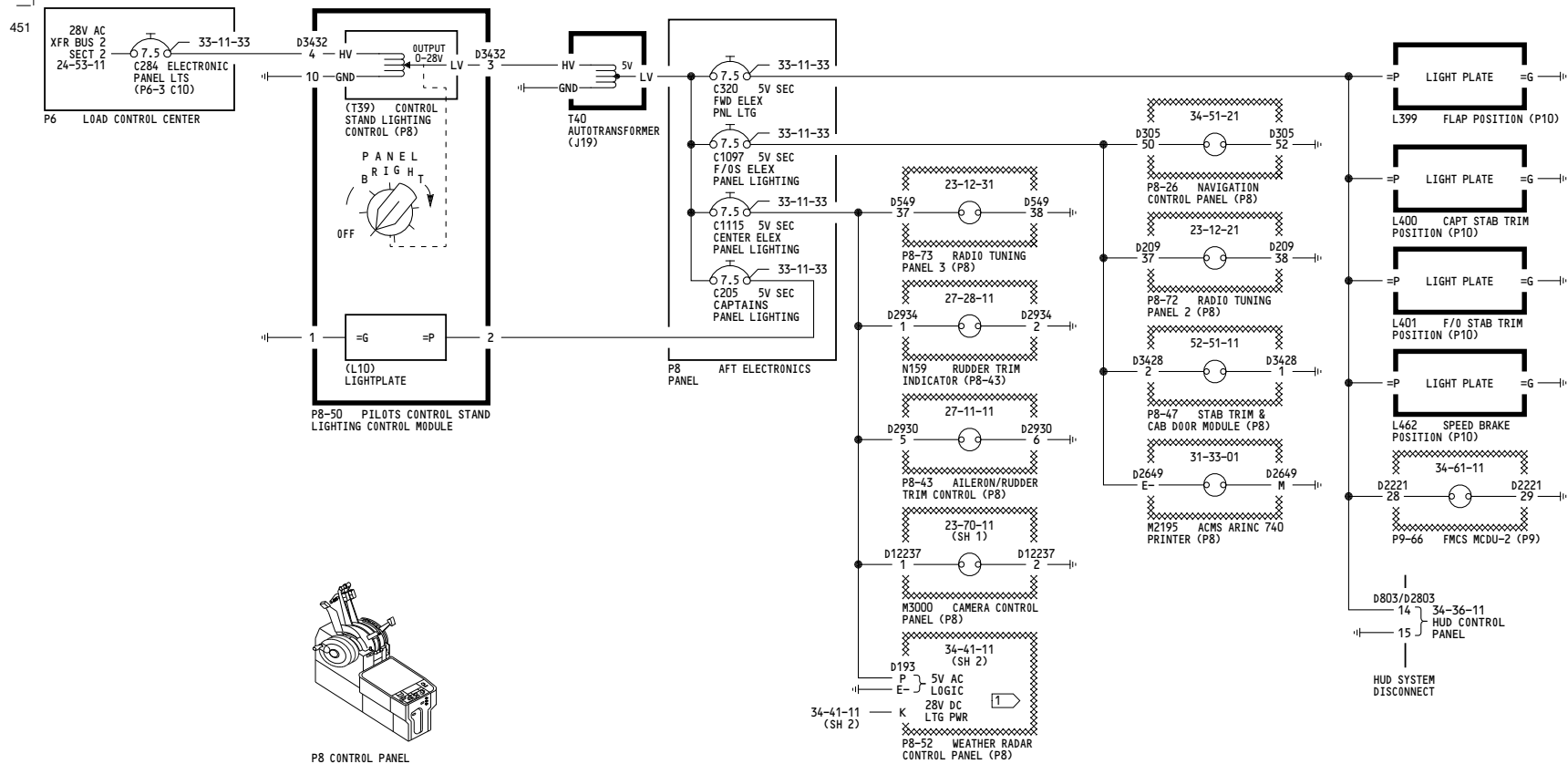
**STANDBY INSTRUMENT AND  
PANEL LIGHTS -  
CONTROL STAND**

D280A451

**33-11-33**

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**NOTES:**

- 1 LIGHTING REQUIRES THAT CIRCUIT BREAKER, C120, IS CLOSED AND PROCESSOR, M2771, IS INSTALLED

YT101-YT112, YT126-YT130

**PILOTS CONTROL STAND  
LIGHTING**

D280A451

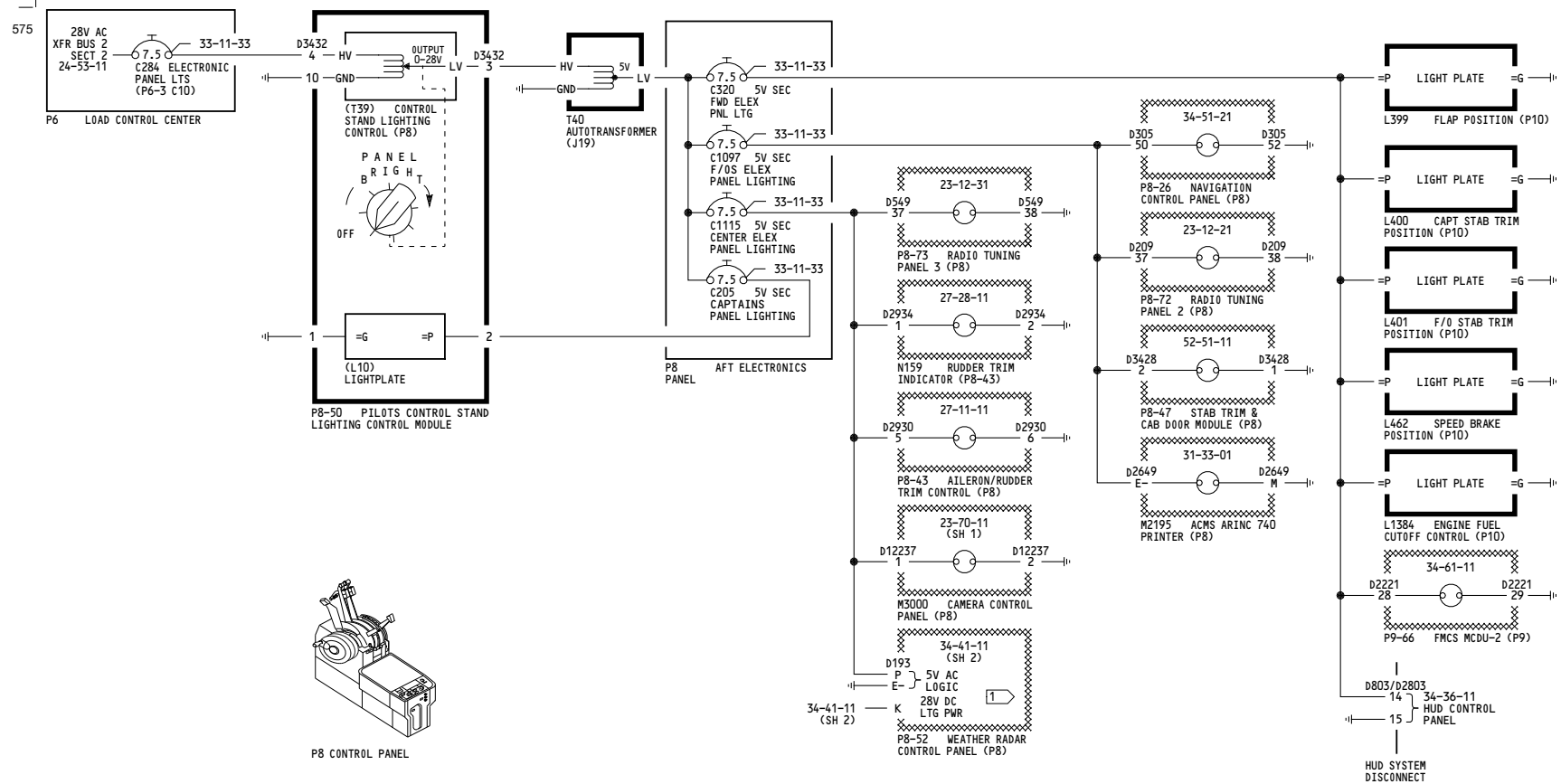
**WIRING DIAGRAMS**

33-11-41

**33-11-41**

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NOTES:

- 1 LIGHTING REQUIRES THAT CIRCUIT BREAKER, C120,  
IS CLOSED AND PROCESSOR, M2771, IS INSTALLED

YT113-YT120, YT131-YT133

## PILOTS CONTROL STAND LIGHTING

D280A451

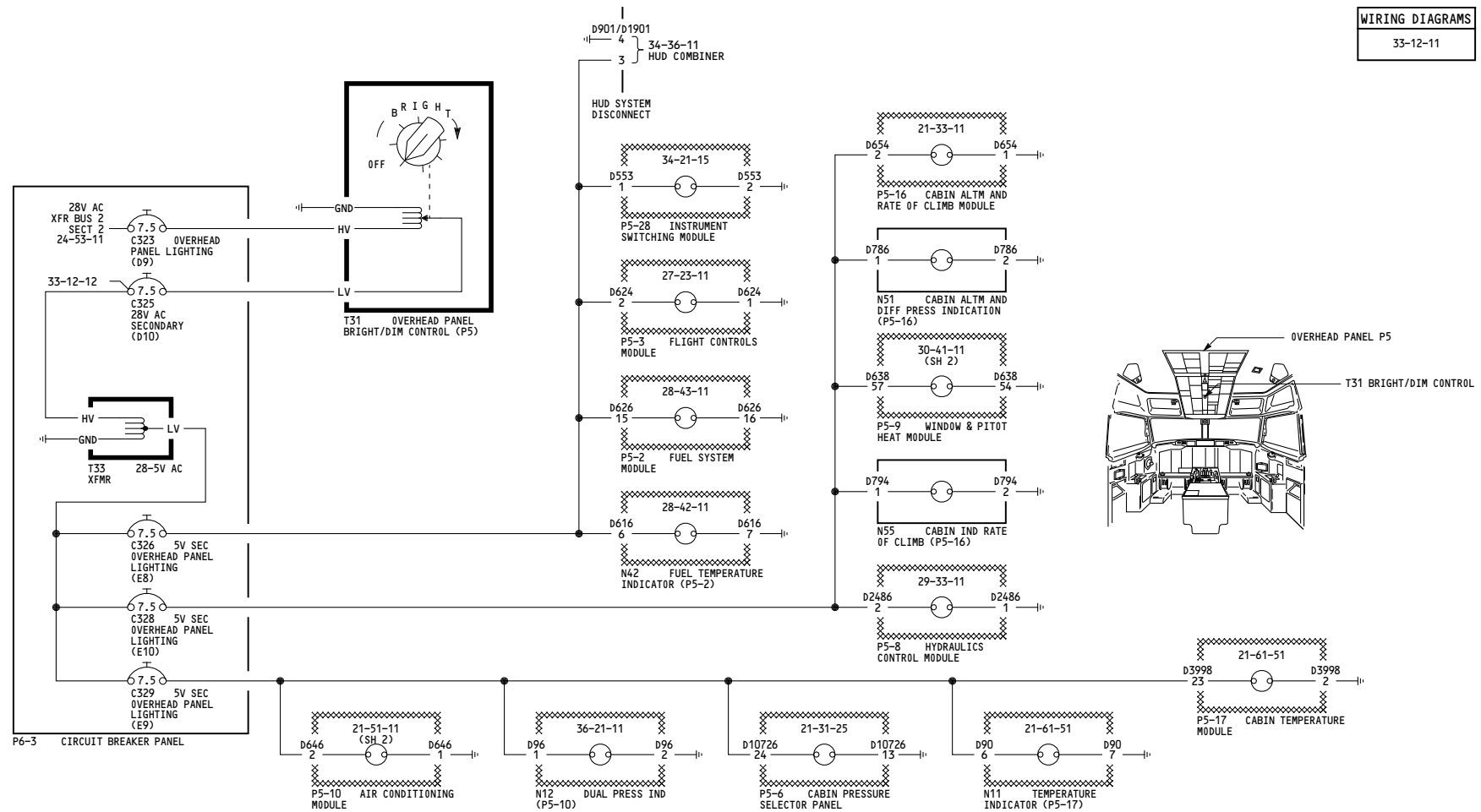
## WIRING DIAGRAMS

33-11-41

**33-11-41**

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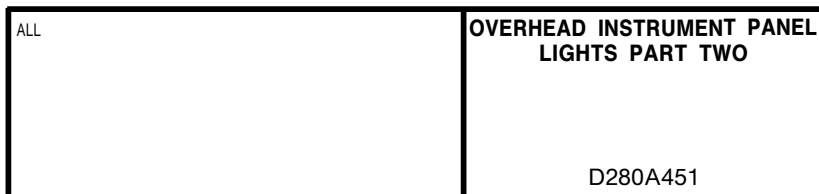
**OVERHEAD INSTRUMENT PANEL  
LIGHTS PART ONE**

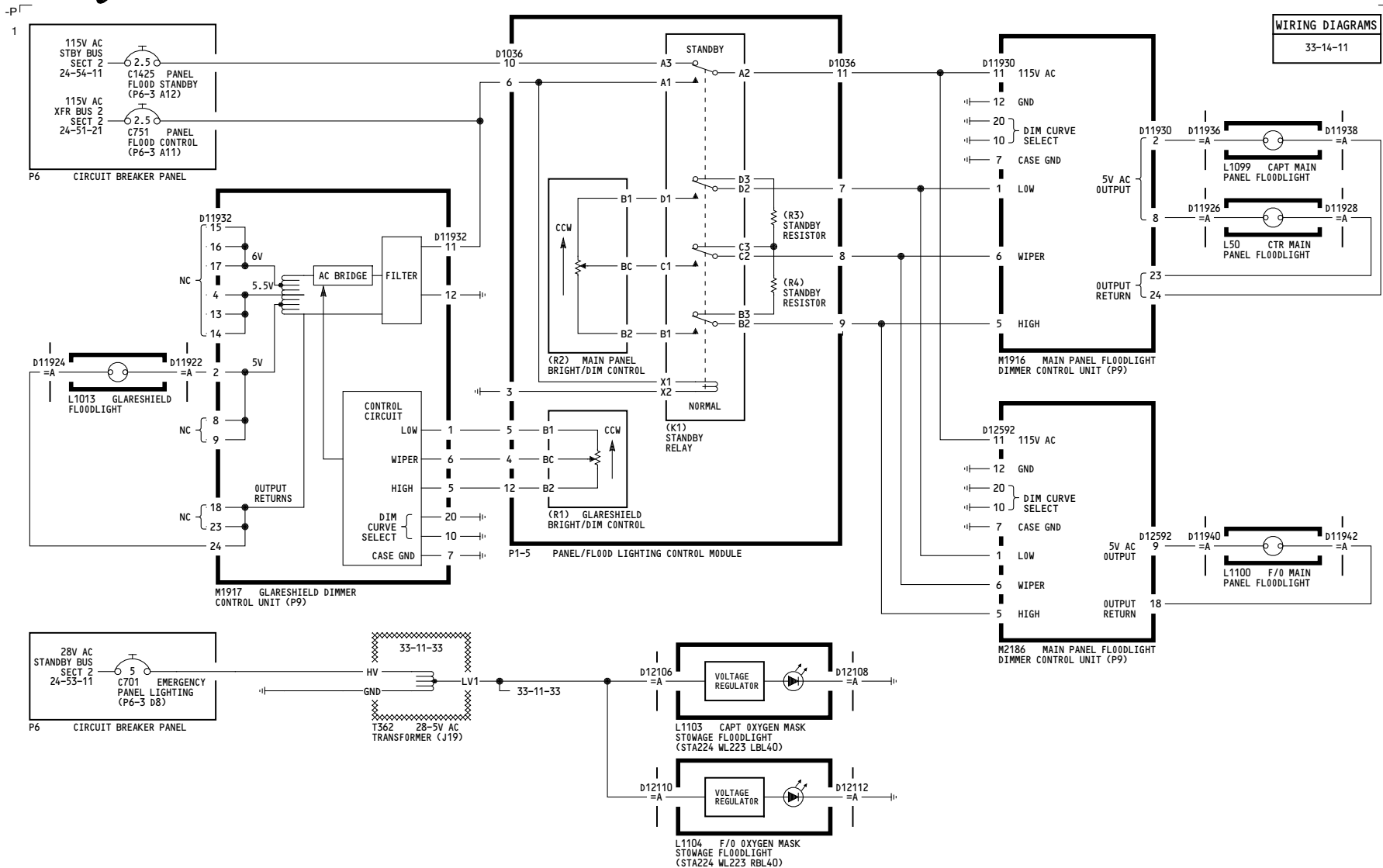
D280A451

**33-12-11**

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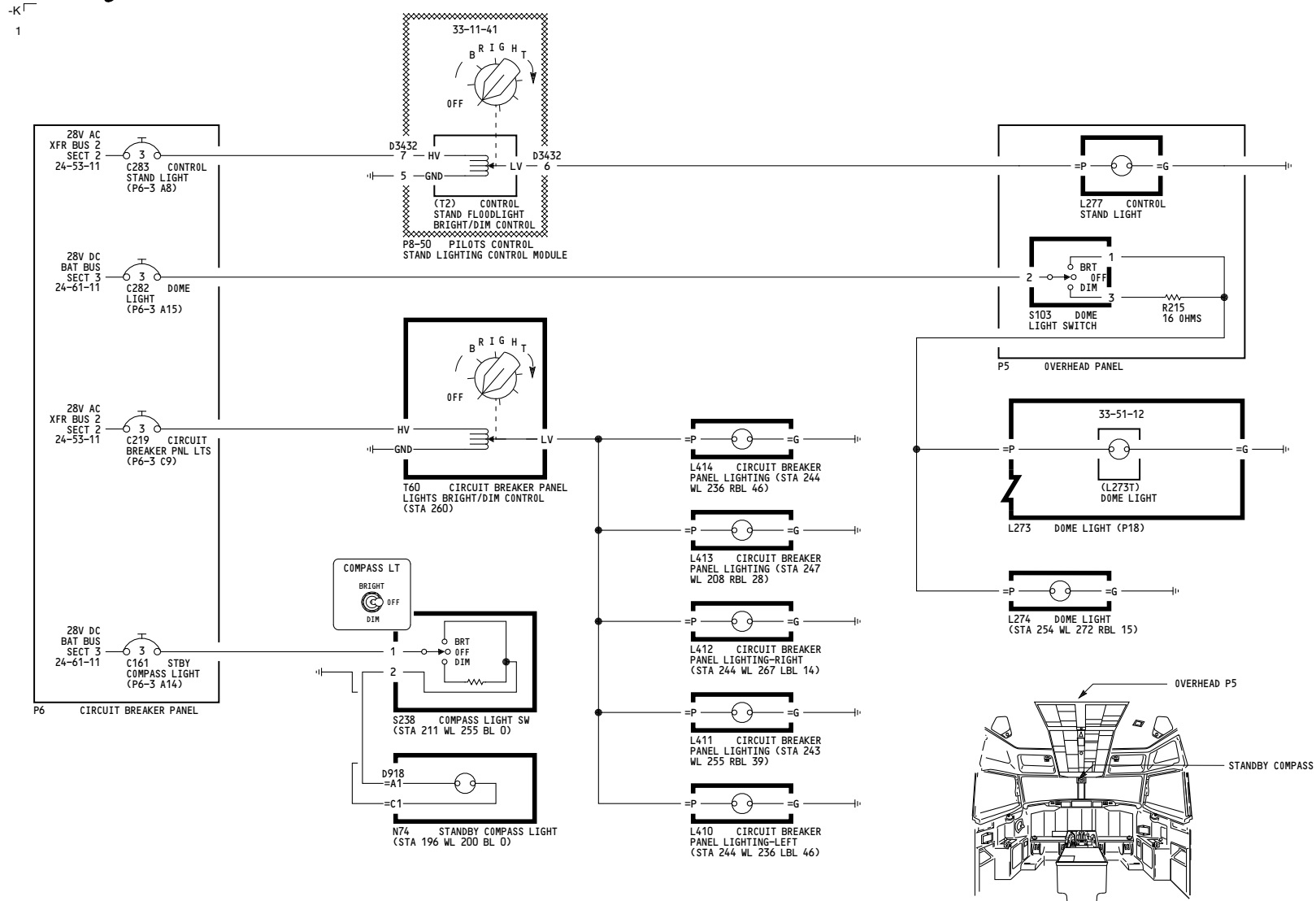
PILOT'S BACKGROUND LIGHTS

D280A451

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ALL

**DOME LTG, CONTROL STAND  
FLOOD LTG, STBY COMPASS  
LTG, & C/B PNL LTG**

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## 33-14-12

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## WIRING DIAGRAMS

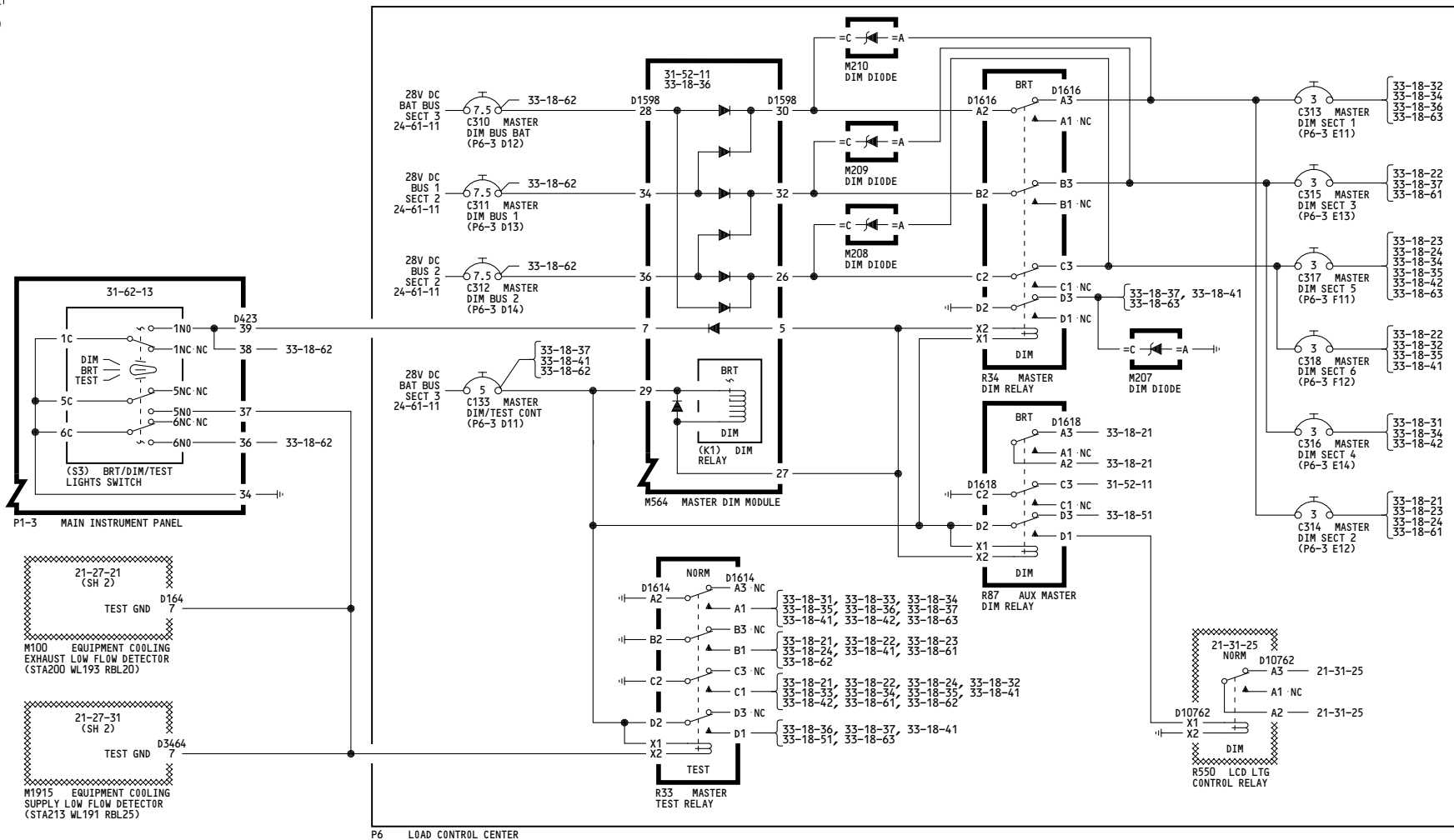


**33-17-11**

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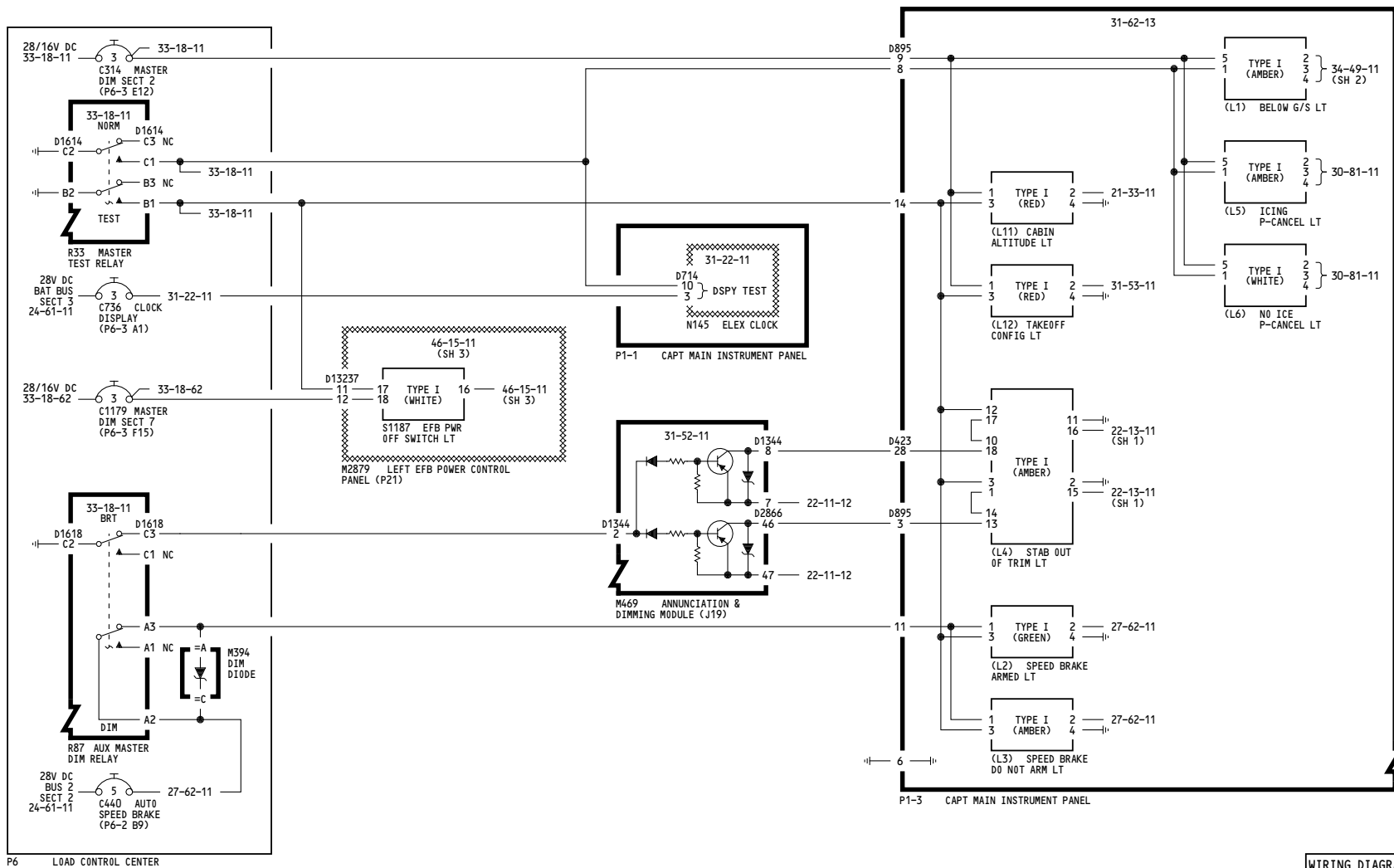


**WIRING DIAGRAMS**  
33-18-11

ALL	<b>MASTER DIM &amp; TEST SYSTEM- POWER &amp; CONTROL</b>
	D280A451

**33-18-11**

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WIRING DIAGRAMS  
33-18-11

YT101-YT120

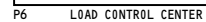
MASTER DIM & TEST SYSTEM-  
MAIN INSTRUMENT PANEL,  
CAPT

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33-18-21

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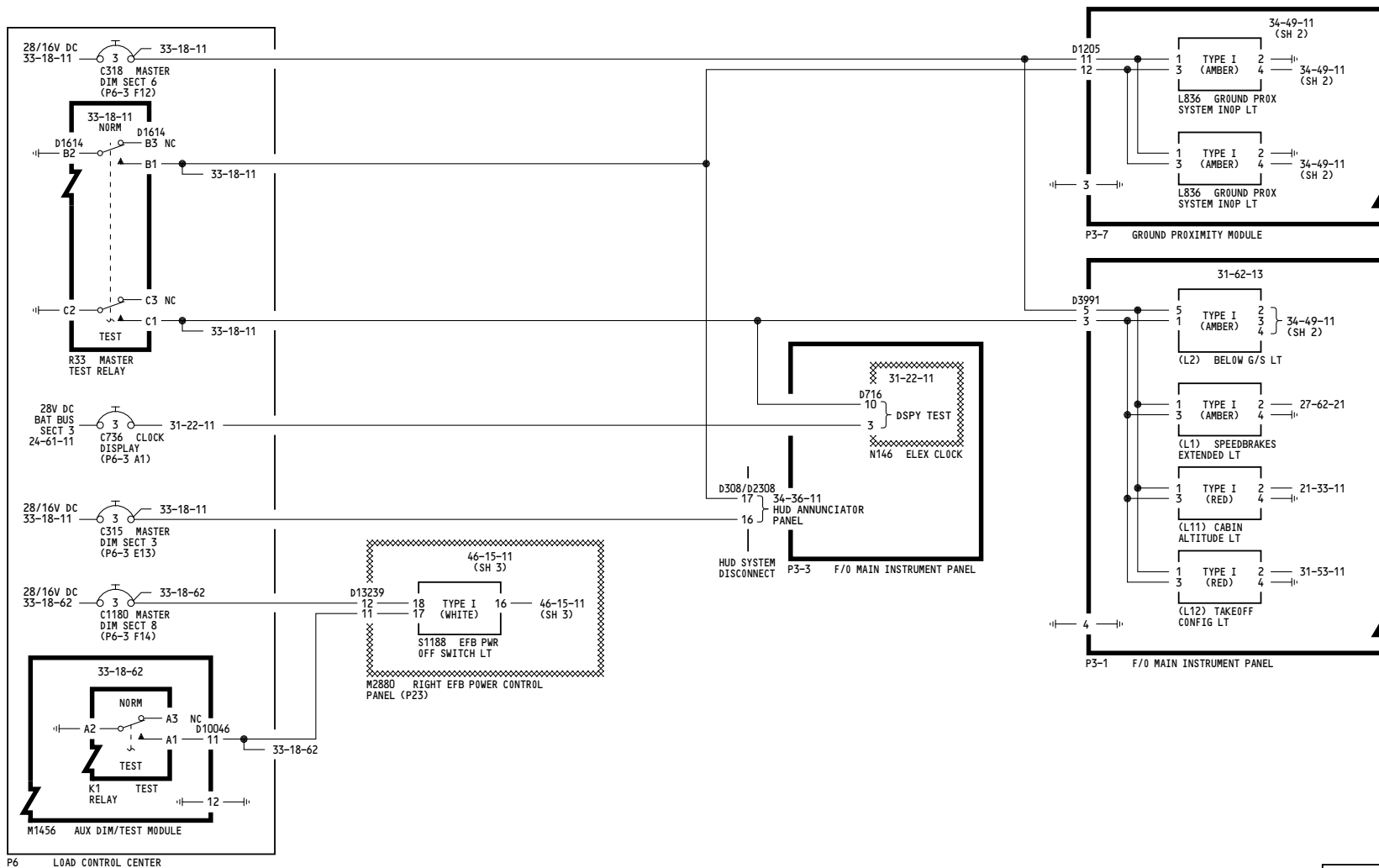


YT126-YT133

**MASTER DIM & TEST SYSTEM-  
MAIN INSTRUMENT PANEL,  
CAPT**

D280A451

105



P6 LOAD CONTROL CENTER

YT101-YT120

MASTER DIM & TEST SYSTEM-  
MAIN INSTRUMENT PANEL,  
F/O

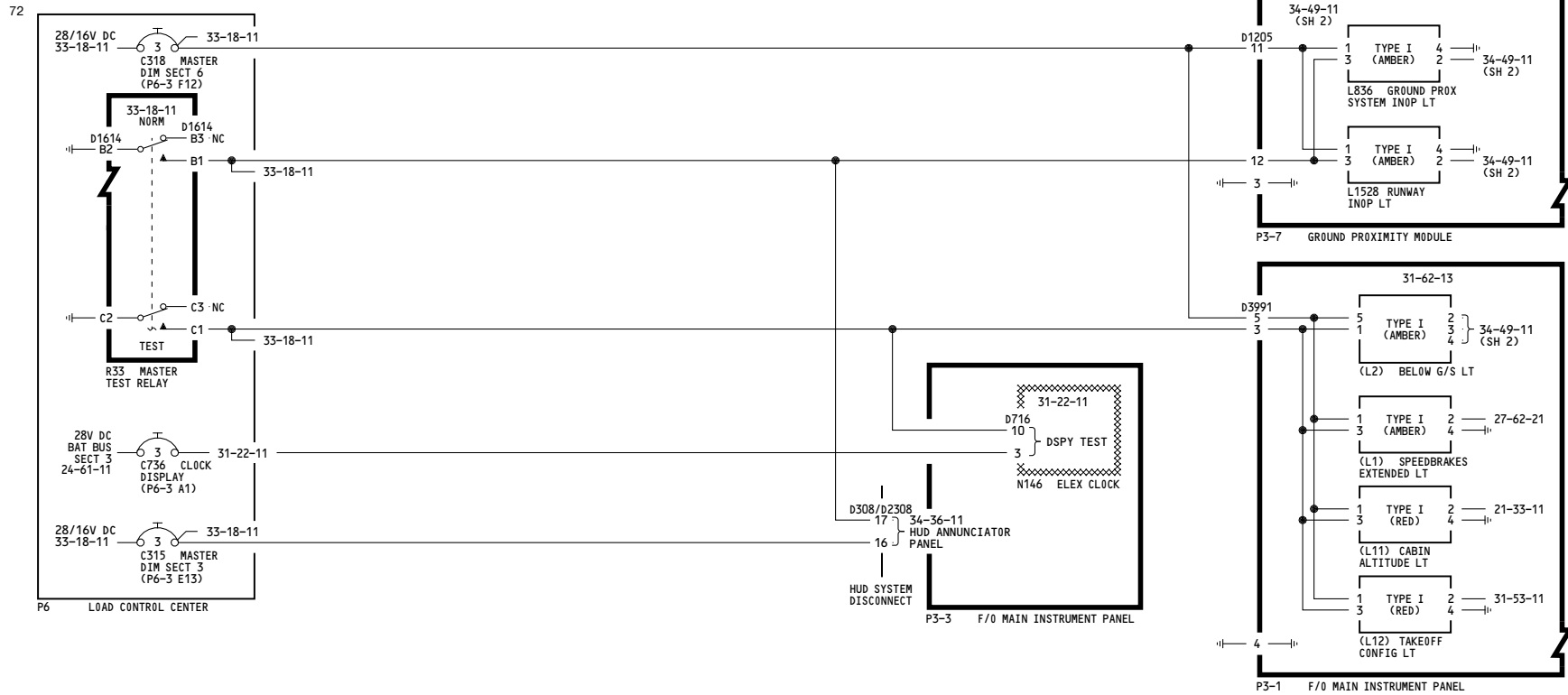
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WIRING DIAGRAMS  
33-18-22

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WIRING DIAGRAMS  
33-18-22

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YT126-YT133

**MASTER DIM & TEST SYSTEM-  
MAIN INSTRUMENT PANEL,  
F/O**

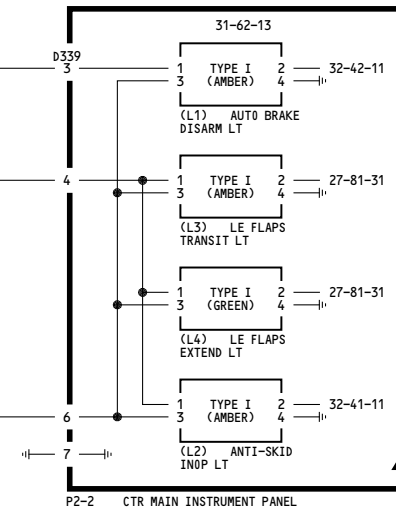
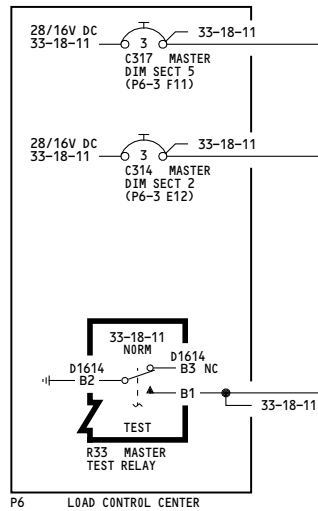
D280A451



## 737-800 SYSTEM SCHEMATIC MANUAL

-E-

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WIRING DIAGRAMS
33-18-23

**33-18-23**

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ALL

**MASTER DIM & TEST SYSTEM-  
MAIN INSTRUMENT PANEL,  
CTR LEFT**

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WIRING DIAGRAMS  
33-18-24

**33-18-24**

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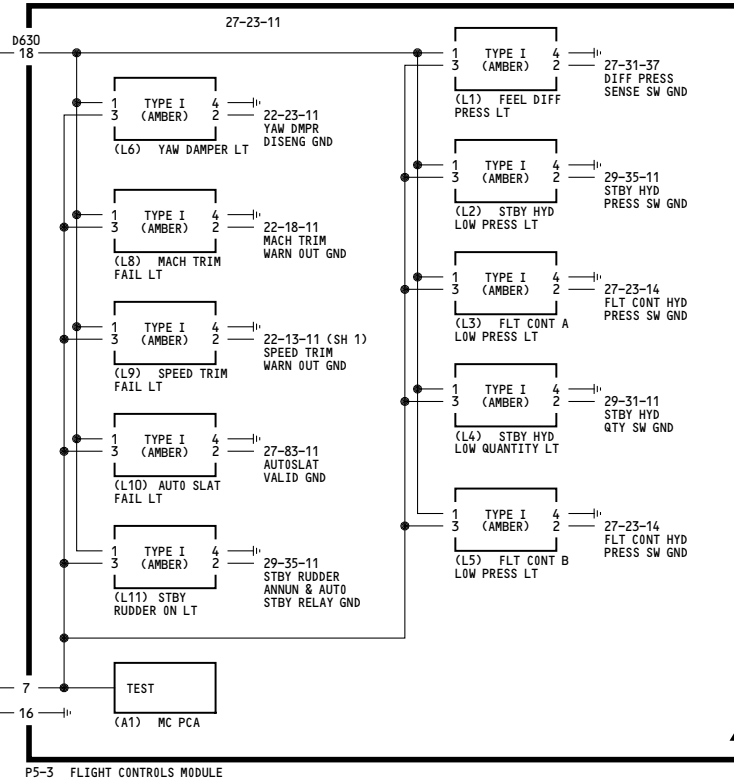
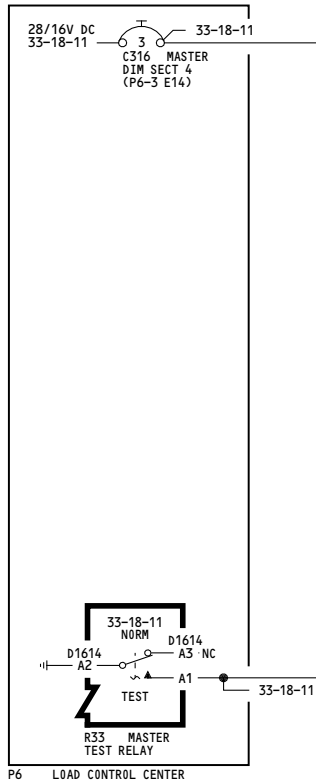
Jun 21/2016

ALL

**MASTER DIM & TEST SYSTEM-  
MAIN INSTRUMENT PANEL,  
CTR RIGHT**

D280A451

2



WIRING DIAGRAMS  
33-18-31

**33-18-31**

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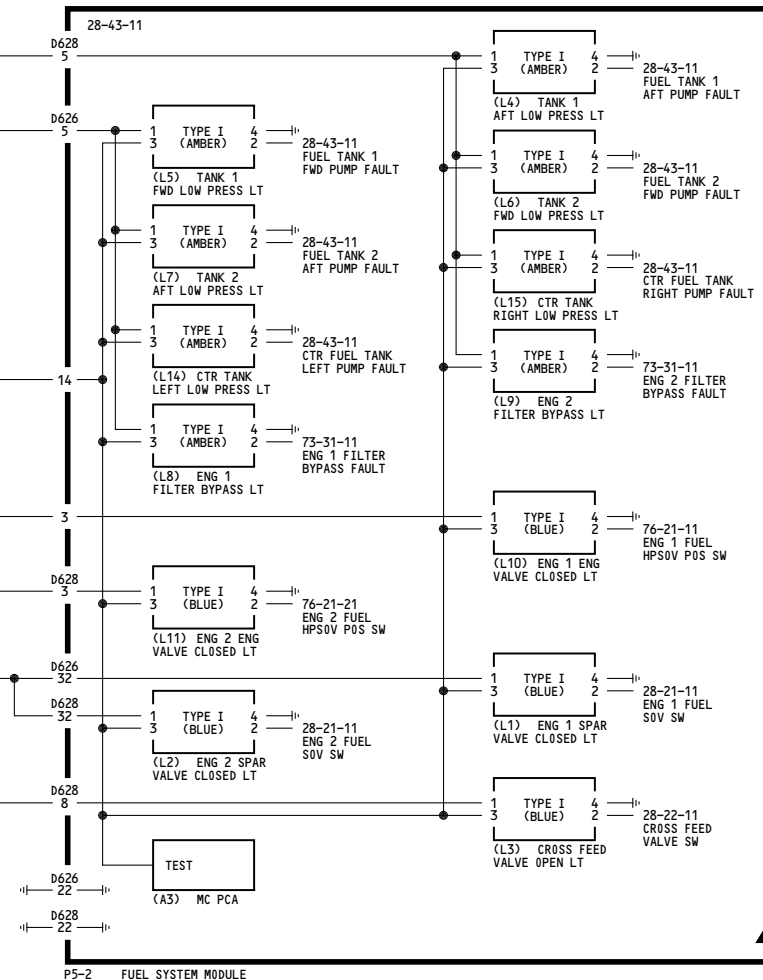
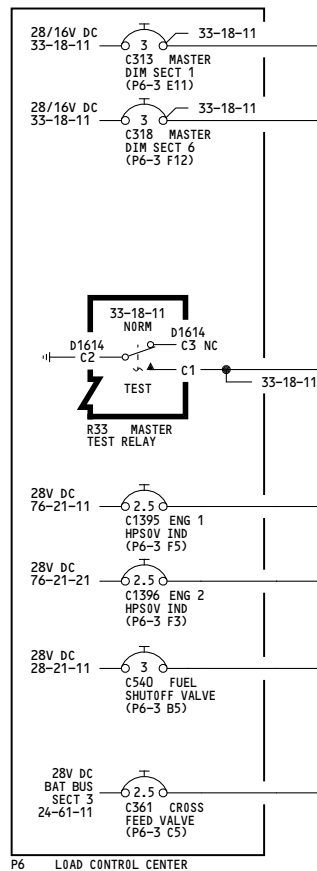
ALL

**MASTER DIM & TEST SYSTEM-  
FWD OVERHEAD PANEL,  
GROUP 1**

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1



WIRING DIAGRAMS  
33-18-32

## 33-18-32

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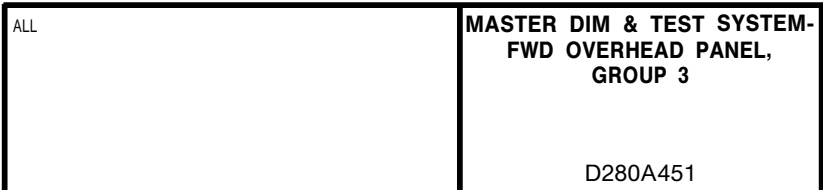
ALL

MASTER DIM & TEST SYSTEM-  
FWD OVERHEAD PANEL,  
GROUP 2

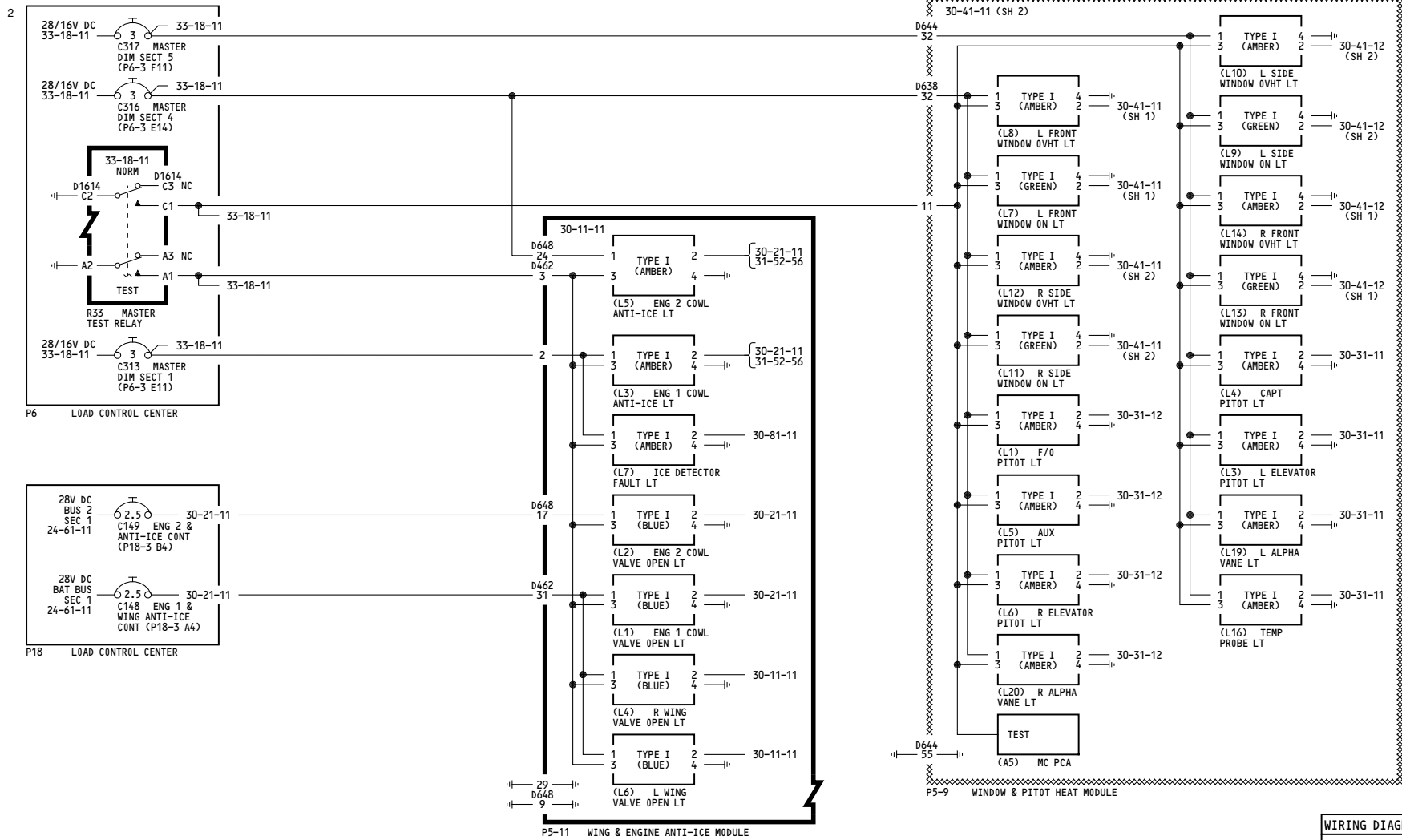
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## WIRING DIAGRAMS



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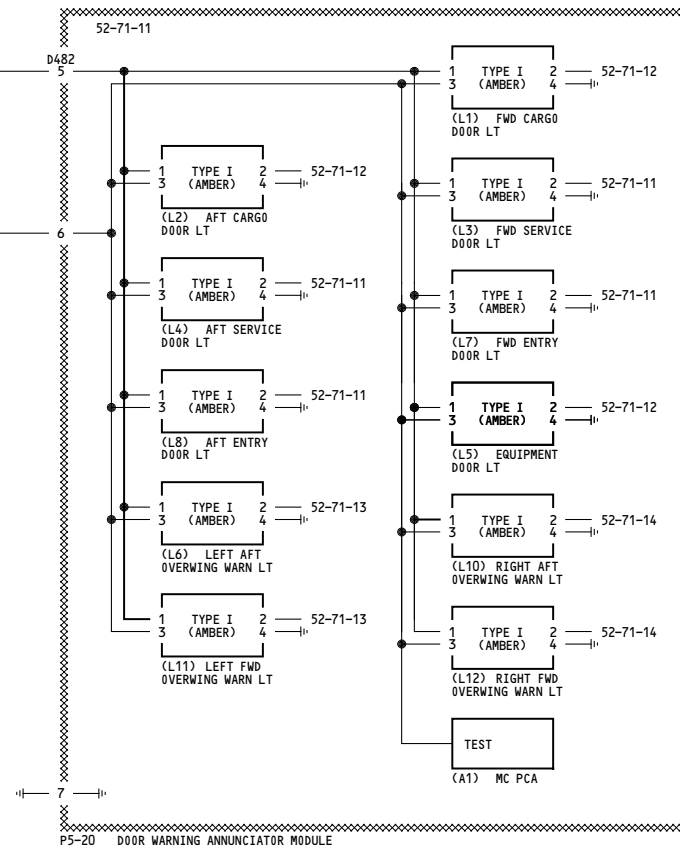
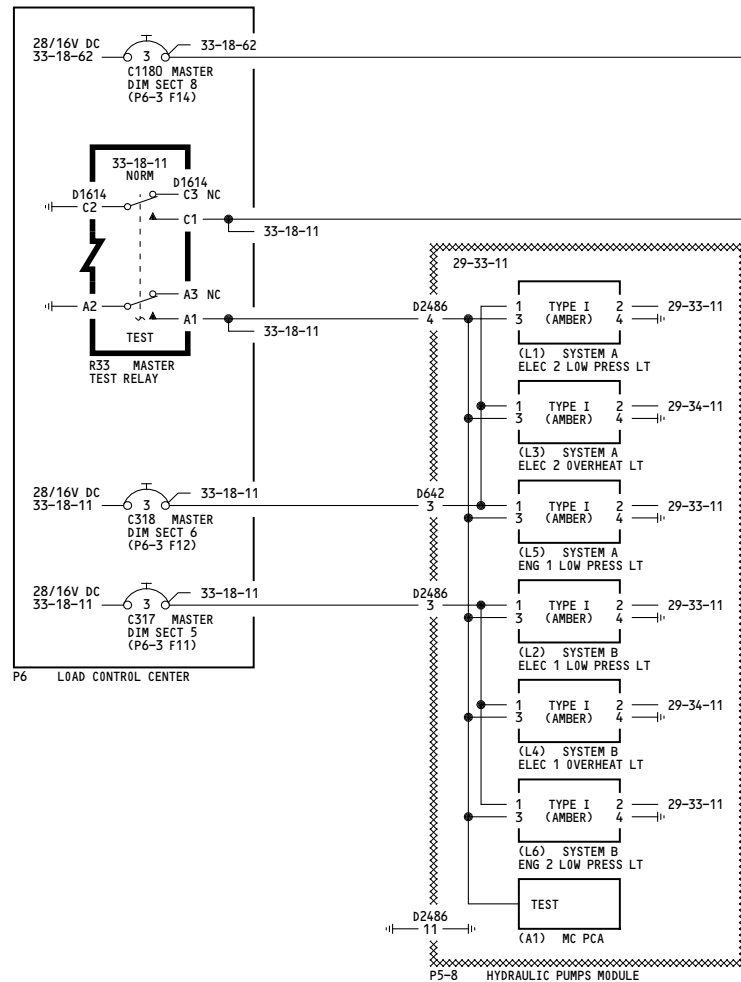


## 33-18-34

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3



ALL

**MASTER DIM & TEST SYSTEM-  
FWD OVERHEAD PANEL,  
GROUP 5**

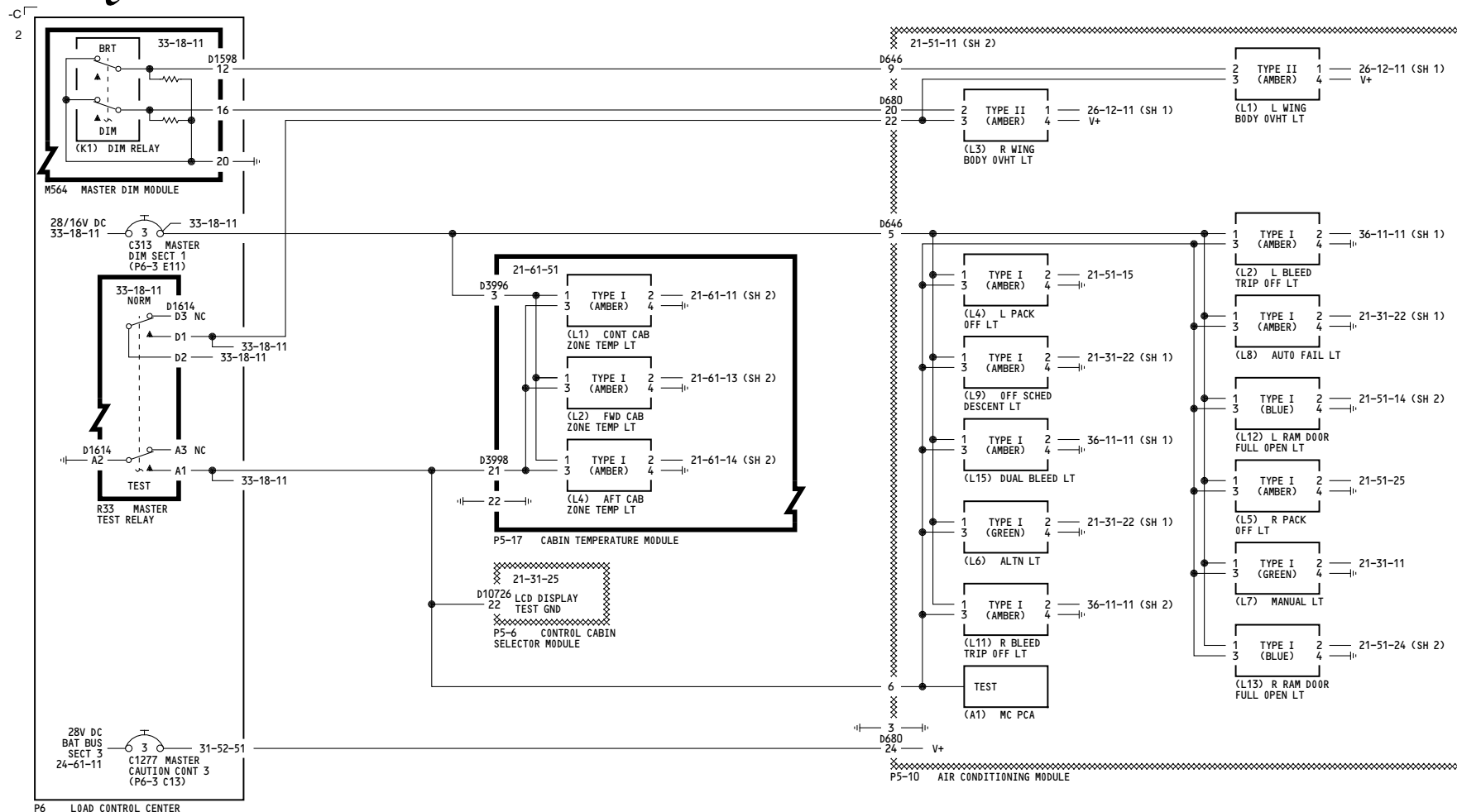
D280A451

WIRING DIAGRAMS  
33-18-35

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WIRING DIAGRAMS  
33-18-36

## 33-18-36

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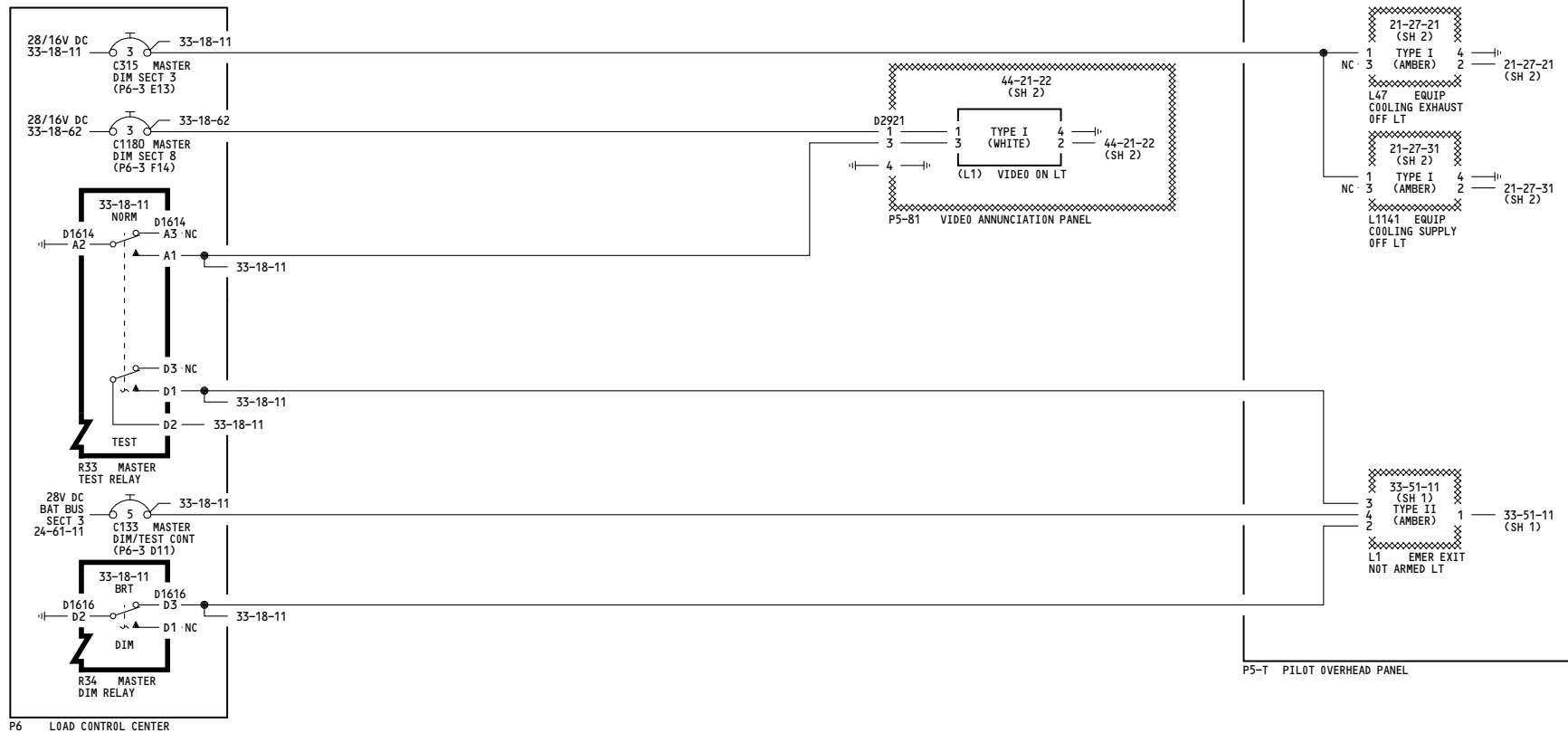
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ALL

MASTER DIM & TEST SYSTEM-  
FWD OVERHEAD PANEL,  
GROUP 6

D280A451

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WIRING DIAGRAMS  
33-18-37

YT101-YT105

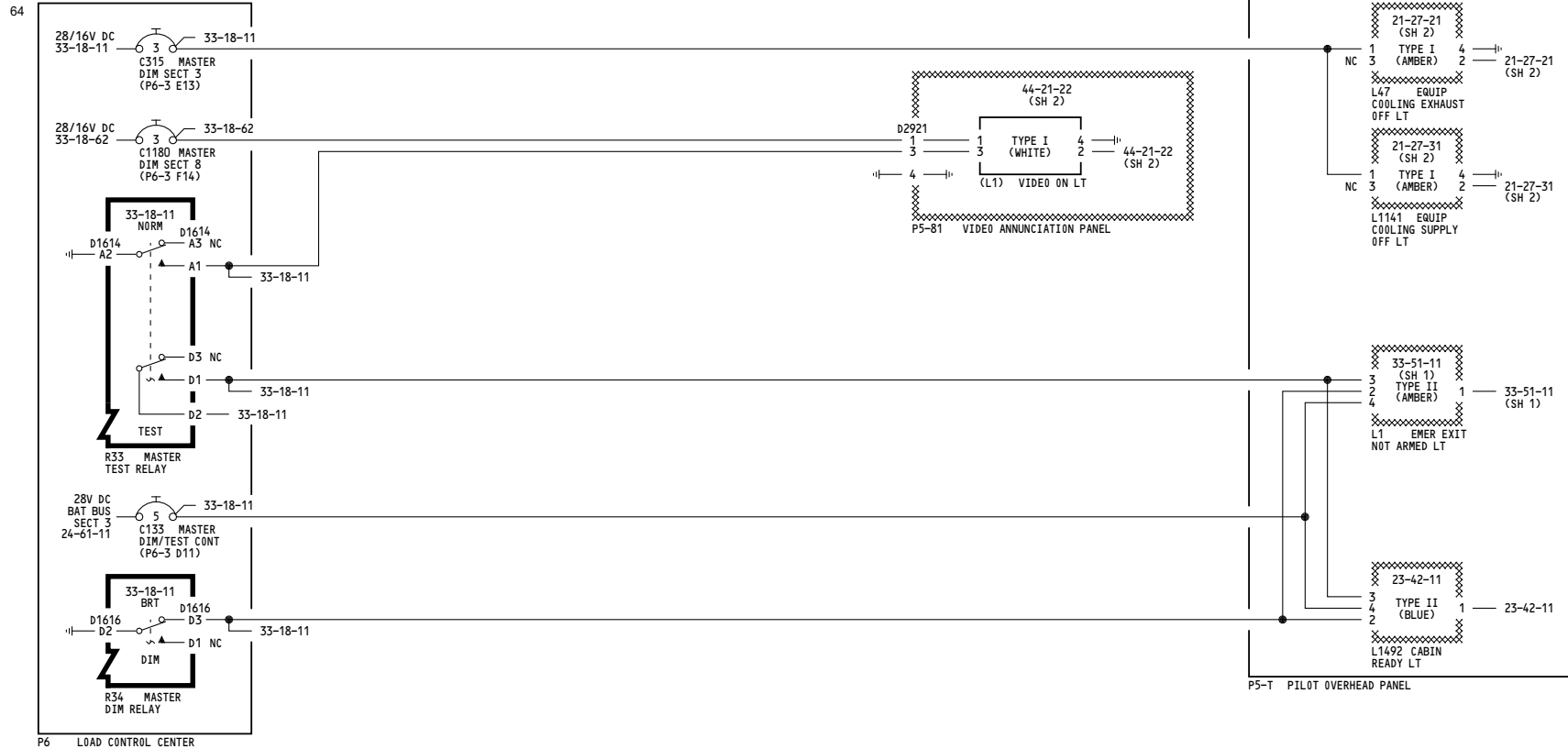
**MASTER DIM & TEST SYSTEM-  
FWD OVERHEAD PANEL,  
GROUP 7**

D280A451

**33-18-37**

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Aug 18/2014



WIRING DIAGRAMS  
33-18-37

## 33-18-37

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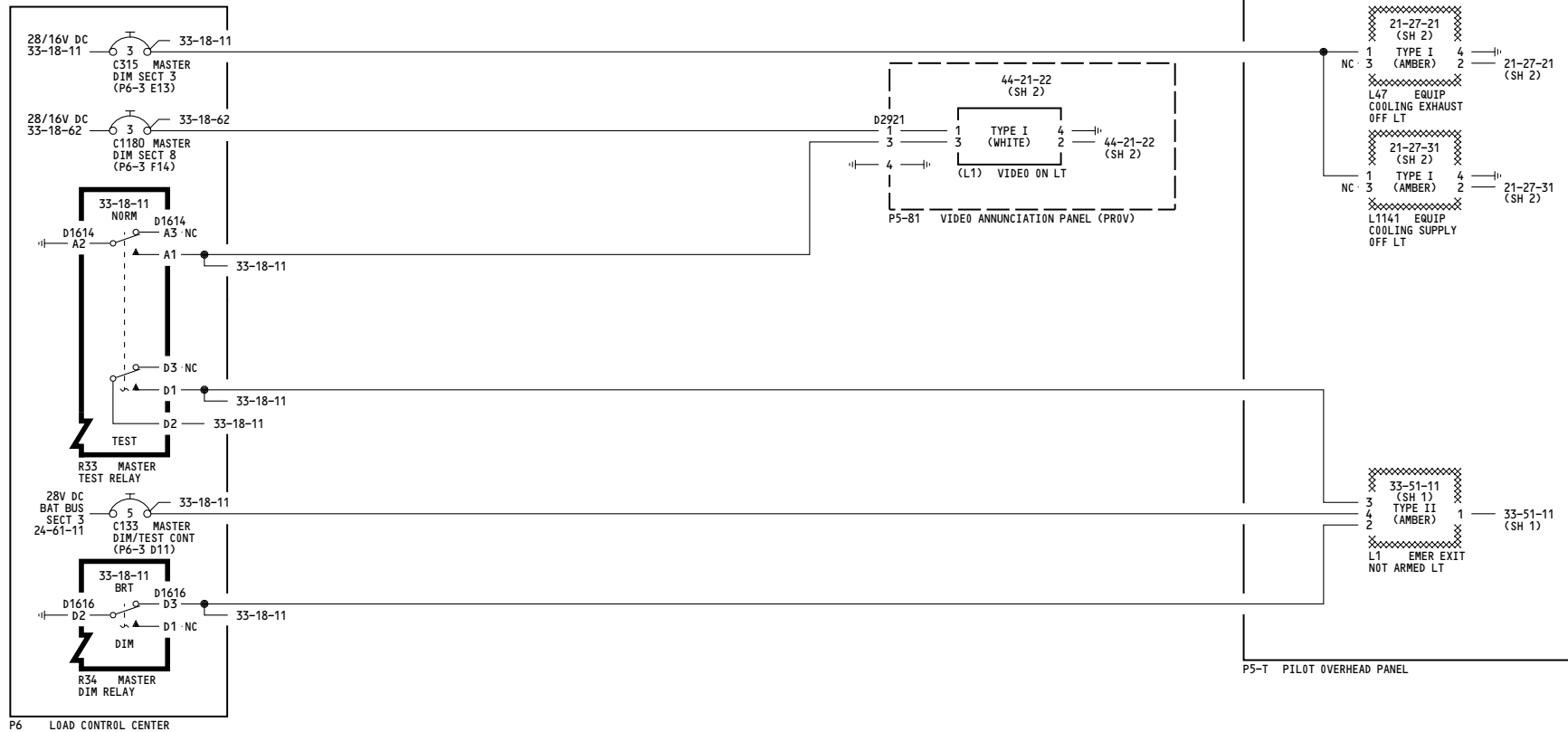
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YT106-YT120

MASTER DIM & TEST SYSTEM-  
FWD OVERHEAD PANEL,  
GROUP 7

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WIRING DIAGRAMS  
33-18-37

YT126-YT133

**MASTER DIM & TEST SYSTEM-  
FWD OVERHEAD PANEL,  
GROUP 7**

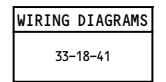
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**33-18-37**

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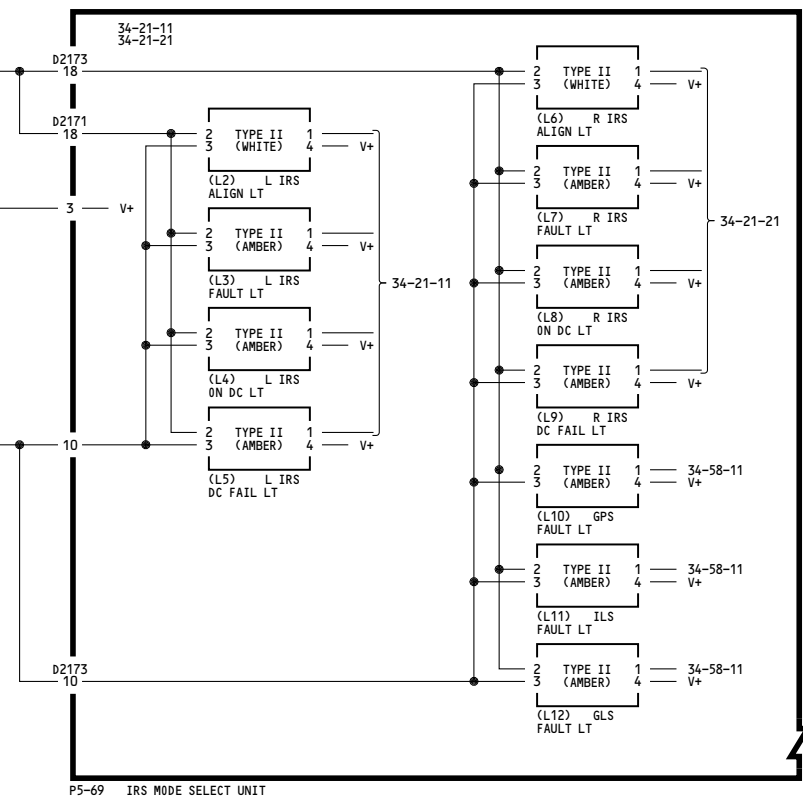
Jun 21/2016



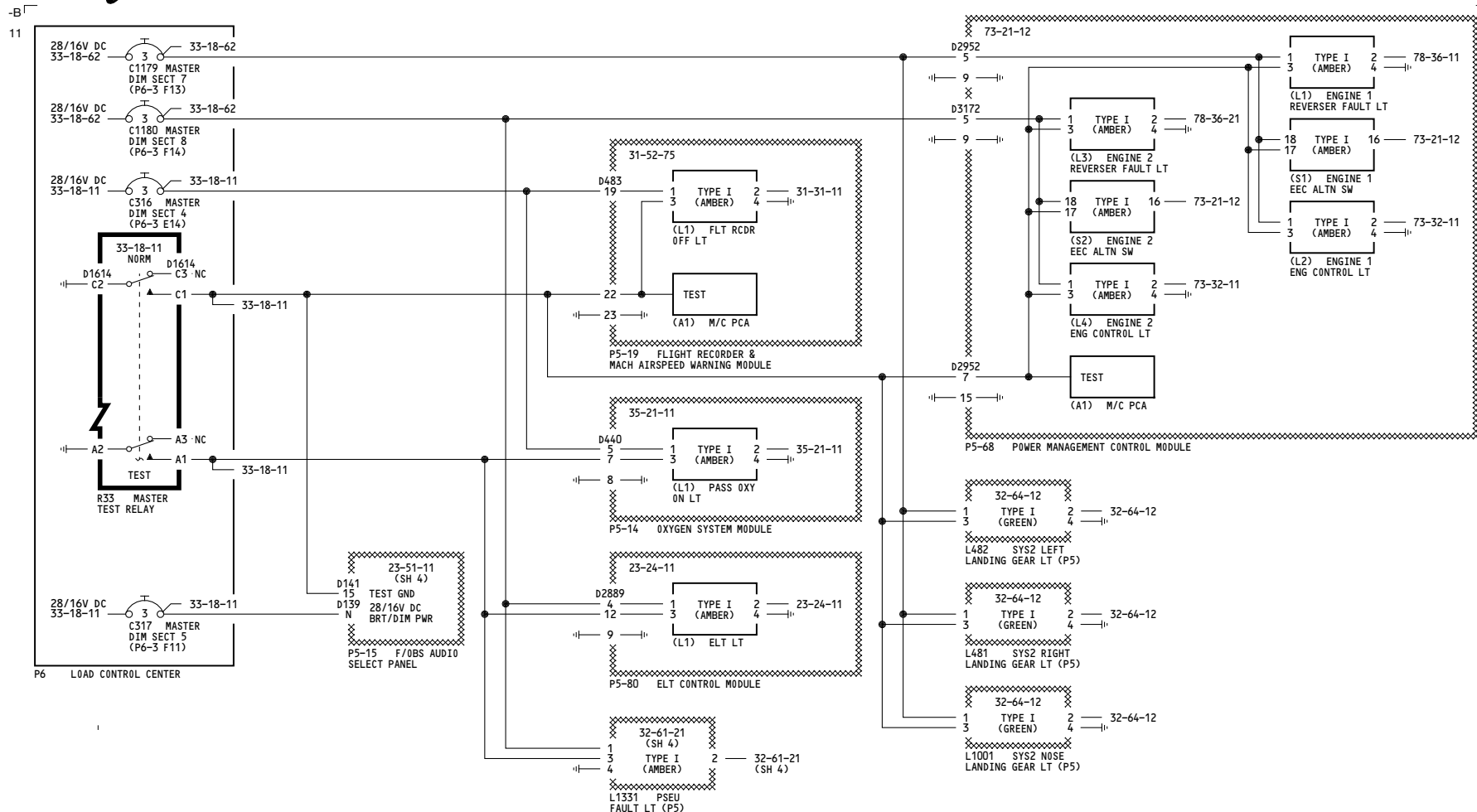


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33-18-41



WIRING DIAGRAMS  
33-18-42

## 33-18-42

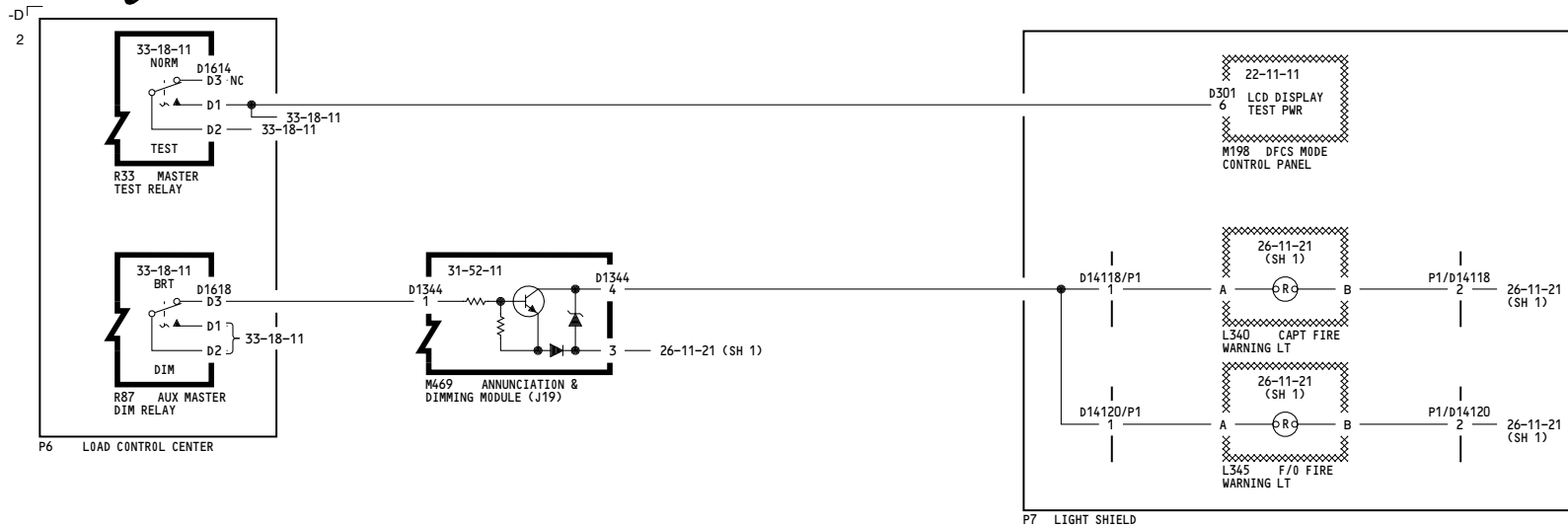
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ALL

MASTER DIM & TEST SYSTEM-  
AFT OVERHEAD PANEL,  
GROUP 2

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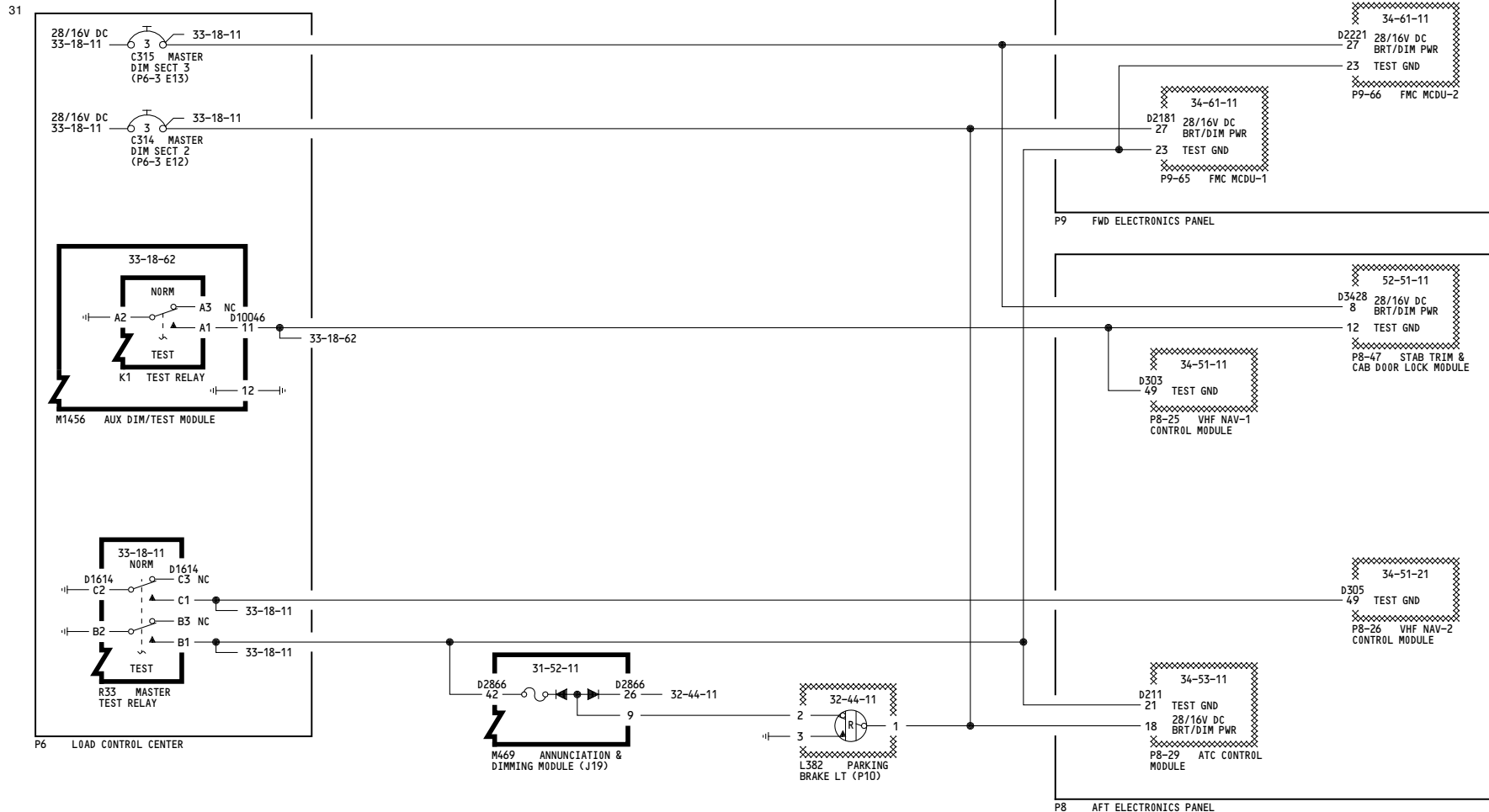
WIRING DIAGRAMS
33-18-51

**33-18-51**

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ALL	MASTER DIM & TEST SYSTEM- GLARESHIELD PANEL
	D280A451



WIRING DIAGRAMS

33-18-61

## 33-18-61

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YT101-YT112, YT126-YT130

MASTER DIM & TEST SYSTEM-  
AISLE STAND PANEL,  
GROUP 1

D280A451



The diagram illustrates the electrical interconnections between several key aircraft systems:

- P6 LOAD CONTROL CENTER:** Contains components like C315 MASTER DIM SECT 3, C314 MASTER DIM SECT 2, M1456 AUX DIM/TEST MODULE, R33 MASTER TEST RELAY, and M469 ANNUNCIATION & DIMMING MODULE.
- P9 FWD ELECTRONICS PANEL:** Includes D2221 28/16V DC BRT/DIM PWR, D2181 28/16V DC BRT/DIM PWR, D3428 28/16V DC BRT/DIM PWR, D303 49 TEST GND, D305 49 TEST GND, and D211 21 TEST GND.
- P8 AFT ELECTRONICS PANEL:** Features D211 21 TEST GND, D2181 28/16V DC BRT/DIM PWR, D303 49 TEST GND, D305 49 TEST GND, and D211 21 TEST GND.

Connections are shown as solid lines representing power or signal paths, often passing through test points or specific terminals on connectors. Grounding points are indicated by dashed lines and labels like 'TEST GND'.

33-18-61

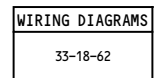
**MASTER DIM & TEST SYSTEM-  
AISLE STAND PANEL,  
GROUP 1**

**33-18-61**

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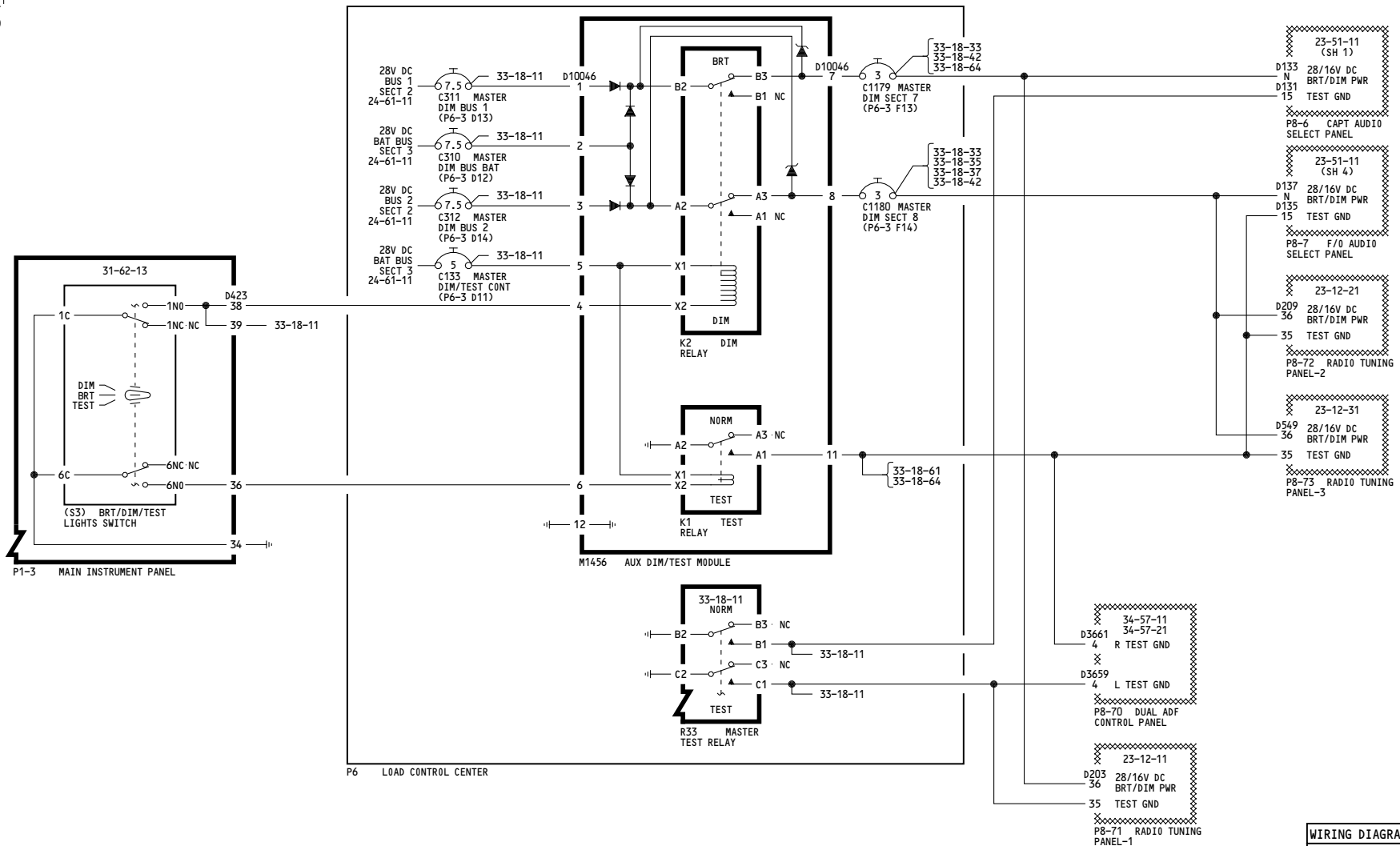
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## D280A451



Mar 14/2016

-A  
150



YT126-YT133

**MASTER DIM & TEST SYSTEM-  
AISLE STAND PANEL,  
GROUP 2**

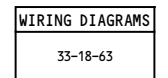
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**33-18-62**

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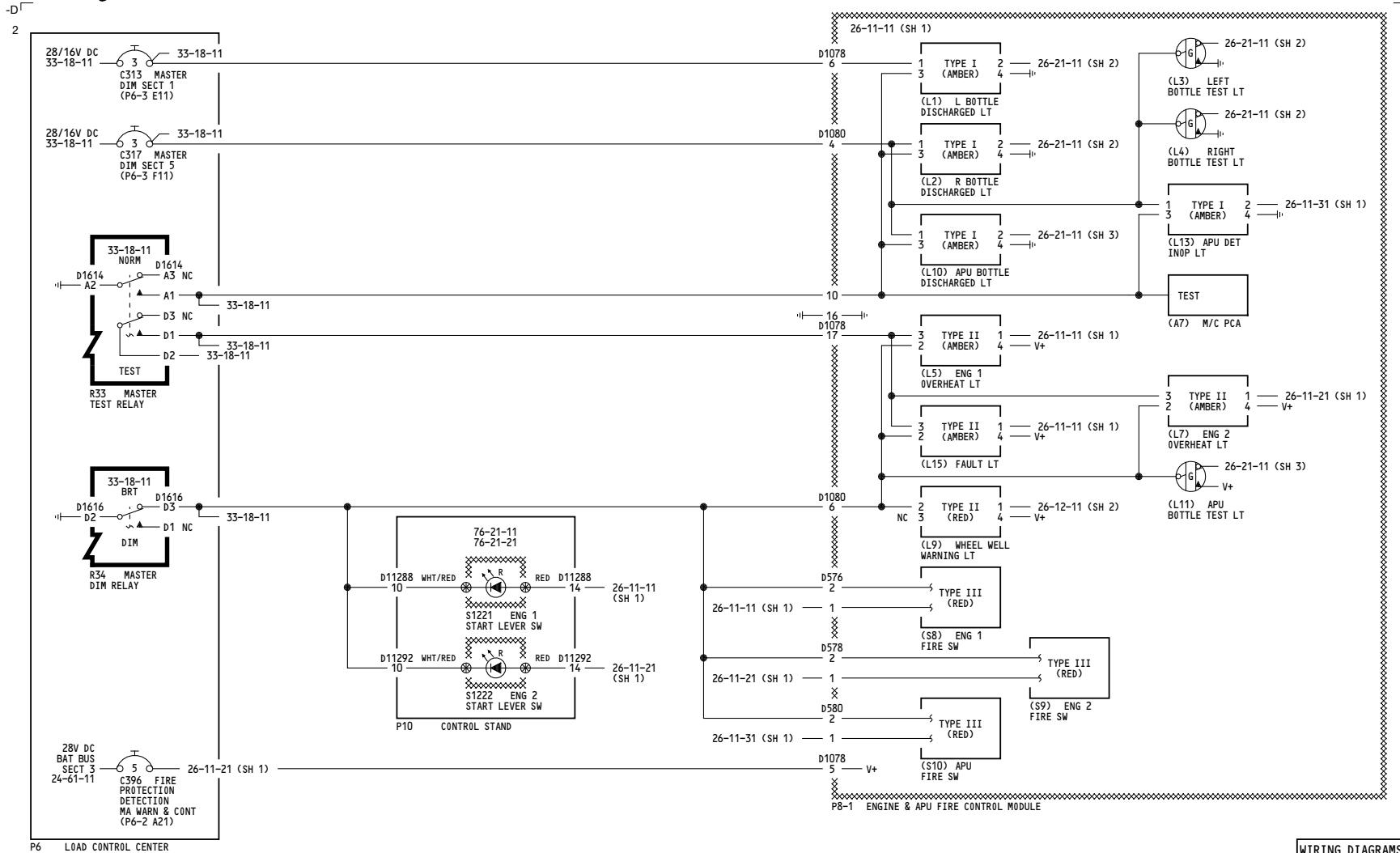
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WIRING DIAGRAMS
33-18-63

## 33-18-63

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YT113-YT120, YT131-YT133

**MASTER DIM & TEST SYSTEM-  
AISLE STAND PANEL,  
GROUP 3**

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28/16V DC  
33-18-62 — 3 — 33-18-62

C1179 MASTER  
DIM SECT 7  
(P6-3 F13)

33-18-62

NORM A2 — A3 NC  
A1 — 11 D10046

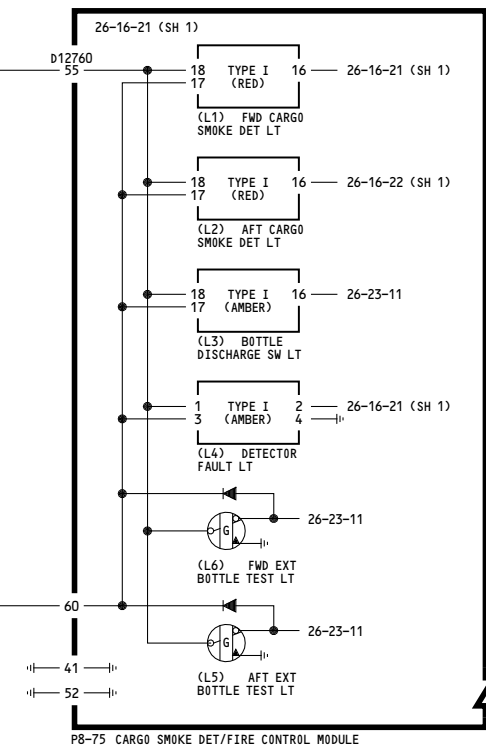
TEST  
K1 TEST RELAY

12

33-18-62

M1456 AUX DIM/TEST MODULE

P6 LOAD CONTROL CENTER



**33-18-64**

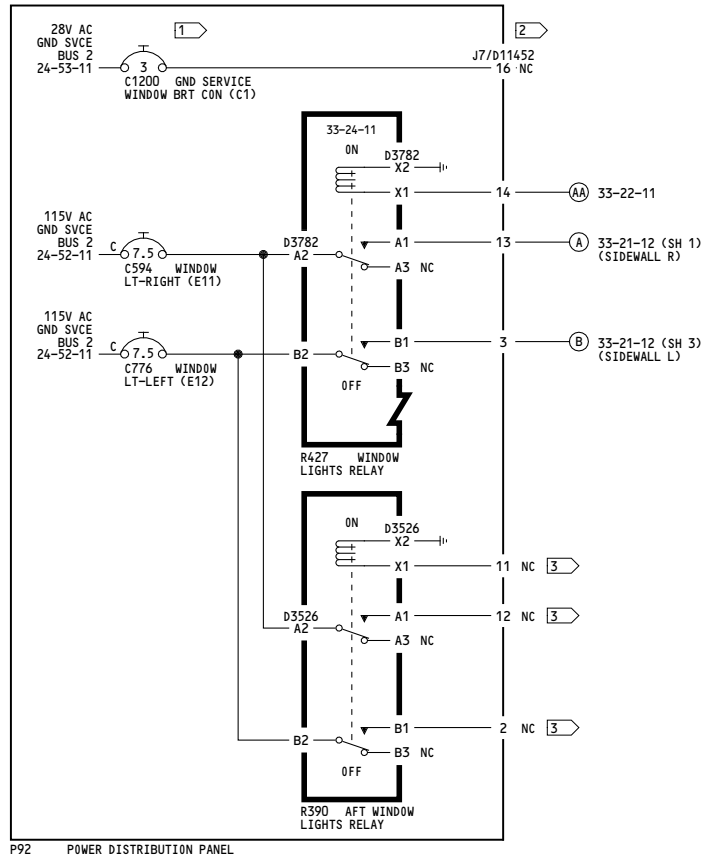
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**MASTER DIM & TEST SYSTEM-  
AISLE STAND PANEL,  
GROUP 4**

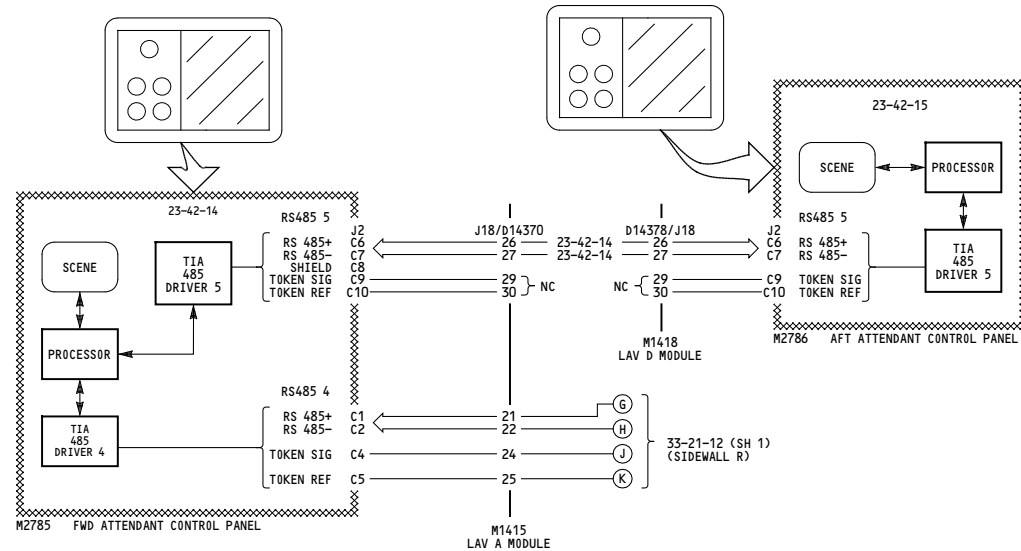
D280A451

23



## NOTES:

- 1 COLLAR AND LABEL "INOP"
- 2 NOT USED FOR LED LIGHTING, LEGACY CONNECTION
- 3 RESERVED FOR FLOURESCENT LIGHTING



ALL

## WINDOW LIGHTS CONTROL

D280A451

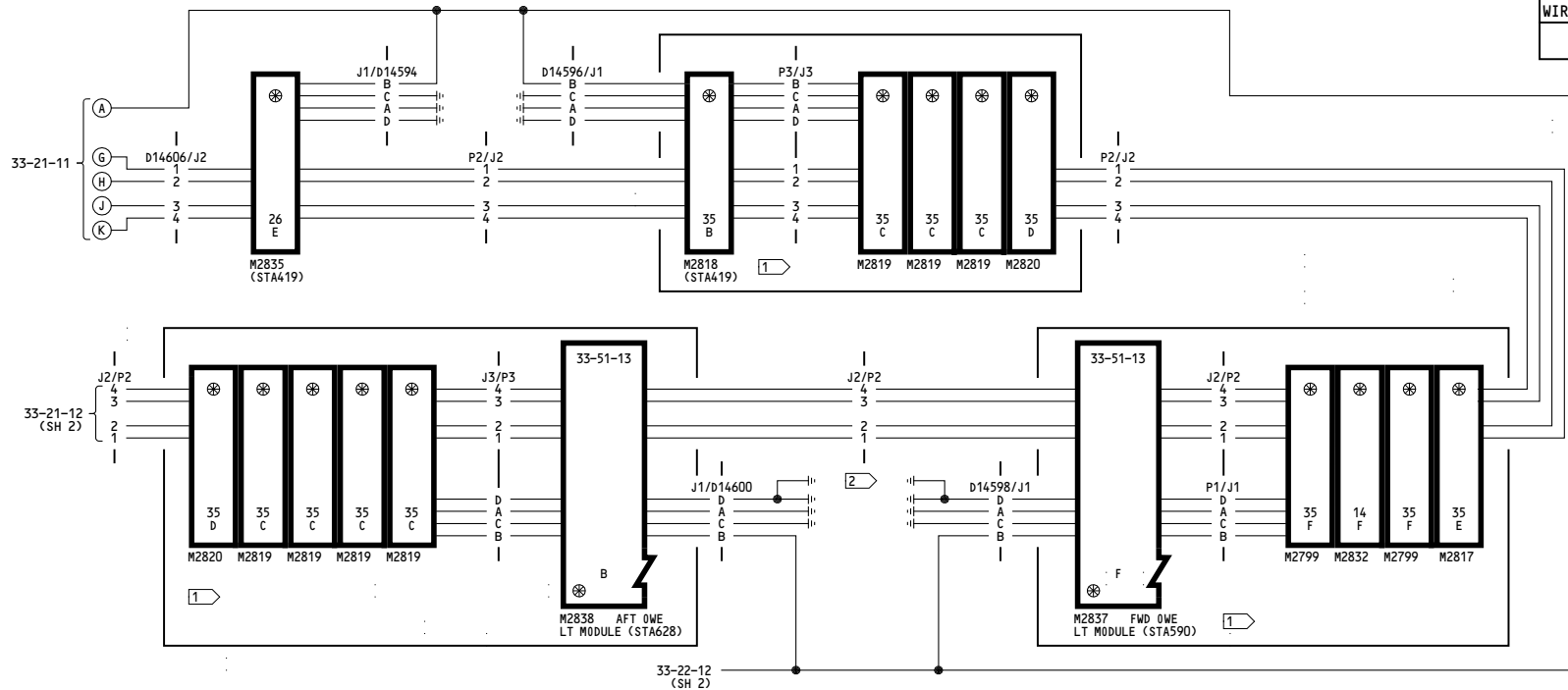
# 33-21-11

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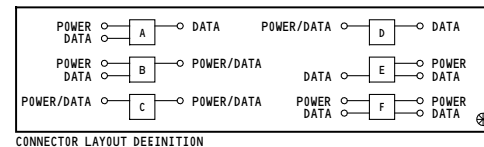
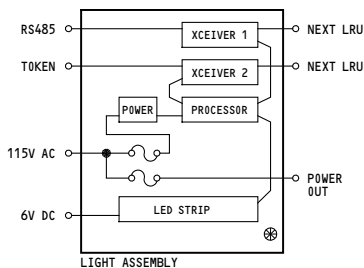
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WIRING DIAGRAMS  
33-21-12



**NOTES:**

1. RS485 USE WIRE TYPE S280W502-6 OR EQUIVALENT.
  2. GROUND WIRES NOT TO EXCEED 7.5 FEET TO SUPPORT EMI REQUIREMENTS.
  3. A, D & E LIGHT ASSEMBLIES DO NOT USE POWER OUT CONNECTION.
  4. 6V DC ONLY CONNECTED ON M2837 & M2838 EMER LTG FUNC FOR HATCH HANDLE.
  5. FUSES ARE NOT REPLACEABLE.
  6. VENDOR TOKEN WIRE DOES NOT REQUIRE TWISTED PAIR, CONTROLLED LENGTH.
  7. DATABUS 485 RUNS THROUGH PINS 1 & 2.
- 1 NO MORE THAN SIX 35 INCH SIDEWALL LIGHTS AND ONE OWE CAN BE DAISY CHAINED - INTERNAL LIGHT TRACE LIMITATION.
- 2 AC RAIL GROUND.



J1 (POWER IN) P1 (POWER OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC

J2 (DATA IN) P2 (DATA OUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

J3/P3 (POWER/DATA IN/OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

RIGHT SIDE

YT101-YT120

**WINDOW LIGHTS**

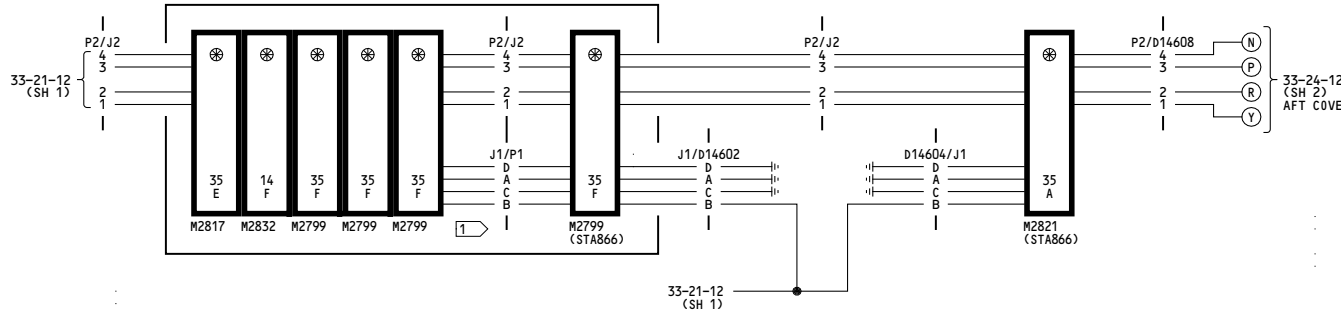
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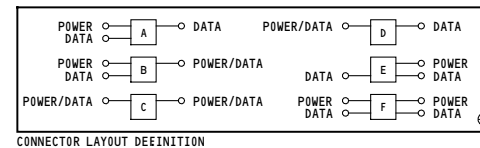
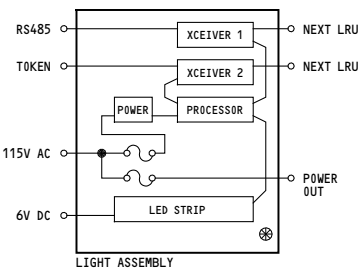
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**WIRING DIAGRAMS**  
33-21-12



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1. RS485 USE WIRE TYPE S280W502-6 OR EQUIVALENT.
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J1 (POWER IN) P1 (POWER OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
TABLE 1	

J3/P3 (POWER/DATA IN/OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
TABLE 3	

J2 (DATA IN) P2 (DATA OUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF
TABLE 2	

RIGHT SIDE

YT101-YT120

**WINDOW LIGHTS**

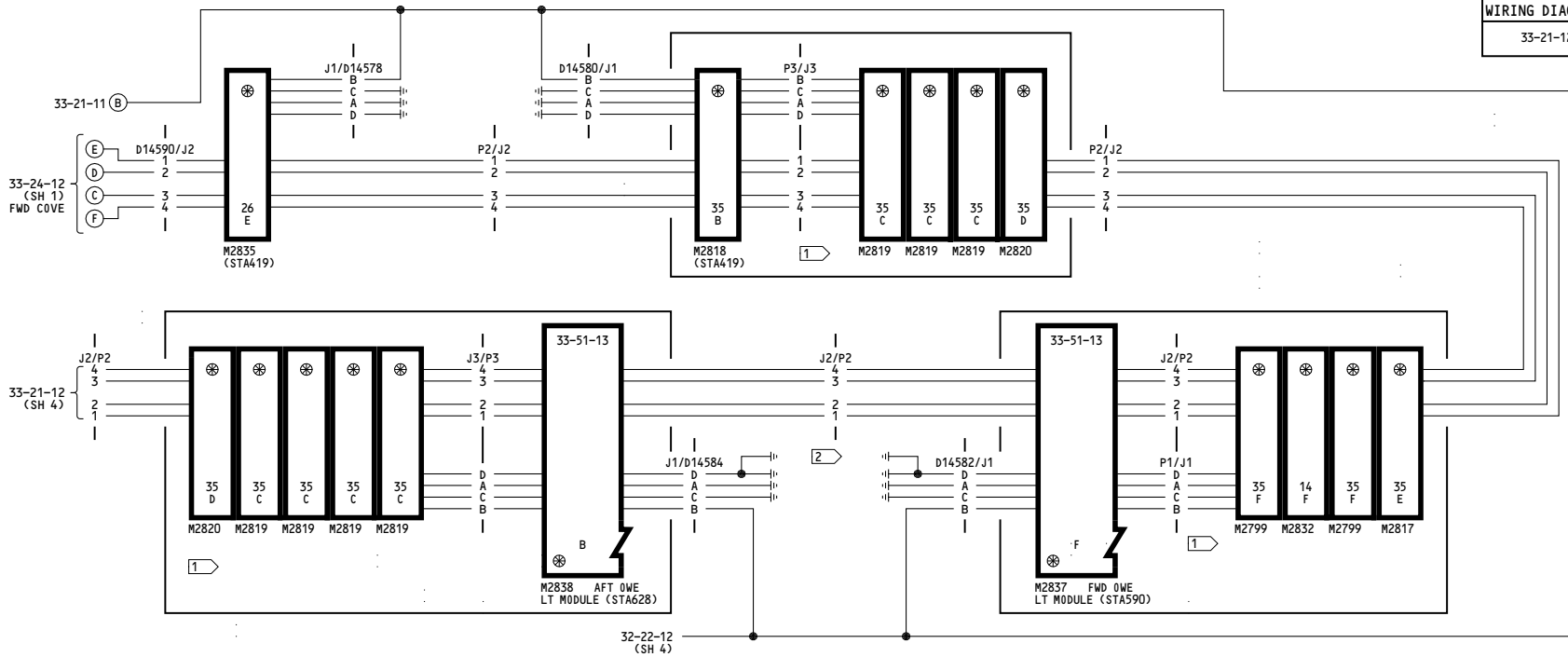
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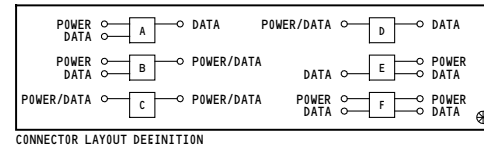
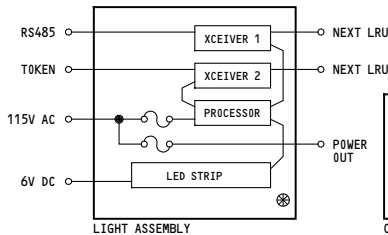
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WIRING DIAGRAMS  
33-21-12



**NOTES:**

1. RS485 USE WIRE TYPE S280W502-6 OR EQUIVALENT.
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- 2 AC RAIL GROUND.



J1 (POWER IN) P1 (POWER OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC

J2 (DATA IN) P2 (DATA OUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

J3/P3 (POWER/DATA IN/OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

LEFT SIDE

YT101-YT120

**WINDOW LIGHTS**

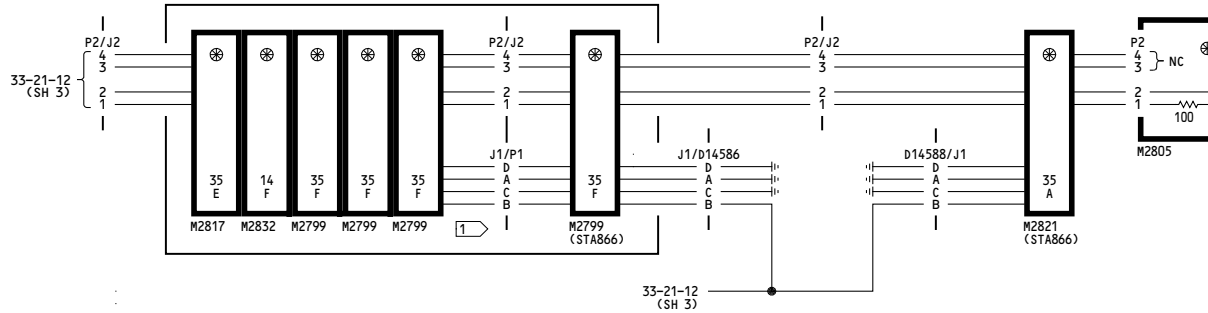
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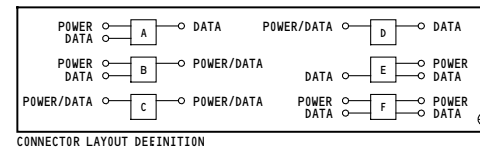
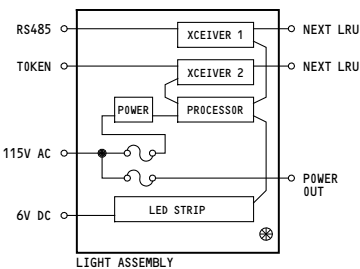
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**WIRING DIAGRAMS**  
33-21-12



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C	AC GROUND
A & D	STATIC

J2 (DATA IN) P2 (DATA OUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

J3/P3 (POWER/DATA IN/OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

LEFT SIDE

YT101-YT120

**WINDOW LIGHTS**

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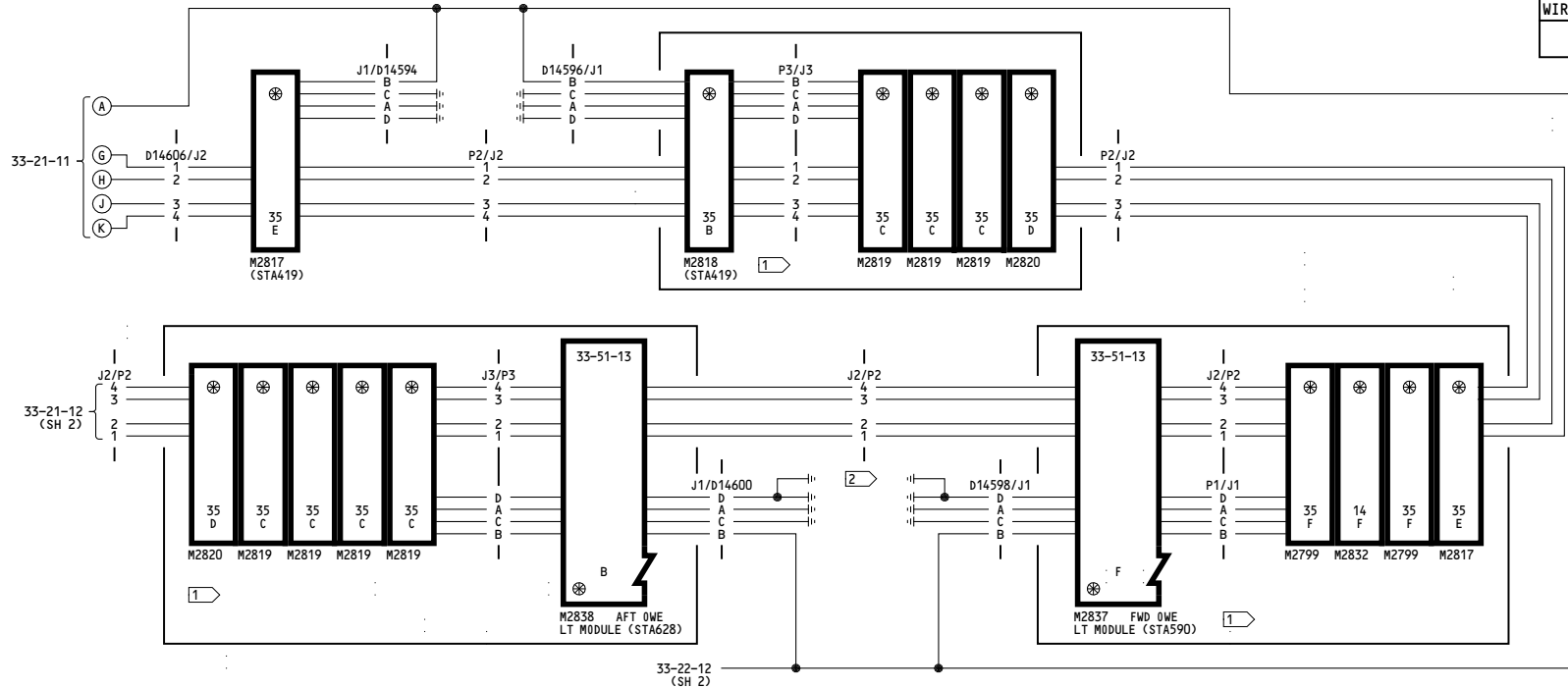
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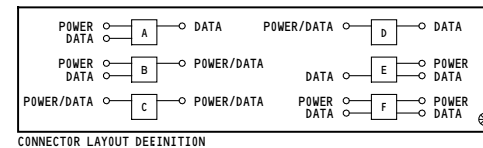
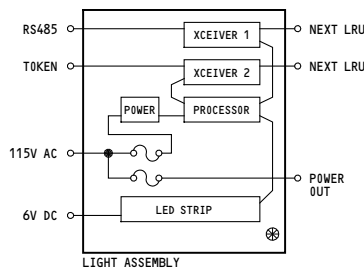
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WIRING DIAGRAMS  
33-21-12



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- 2 AC RAIL GROUND.



J1 (POWER IN) P1 (POWER OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC

J2 (DATA IN) P2 (DATA OUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

J3/P3 (POWER/DATA IN/OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

RIGHT SIDE

YT126-YT133

**WINDOW LIGHTS**

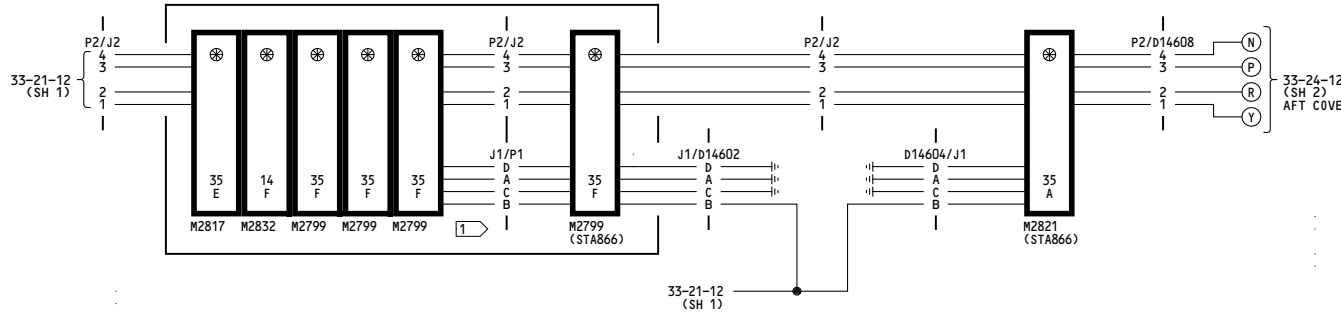
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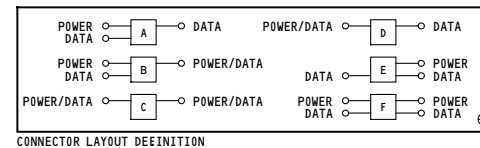
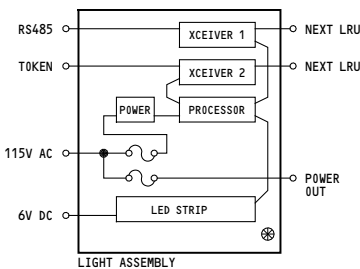
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**WIRING DIAGRAMS**  
33-21-12



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PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
TABLE 1	

J3/P3 (POWER/DATA IN/OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
TABLE 3	

J2 (DATA IN) P2 (DATA OUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF
TABLE 2	

RIGHT SIDE

YT126-YT133

**WINDOW LIGHTS**

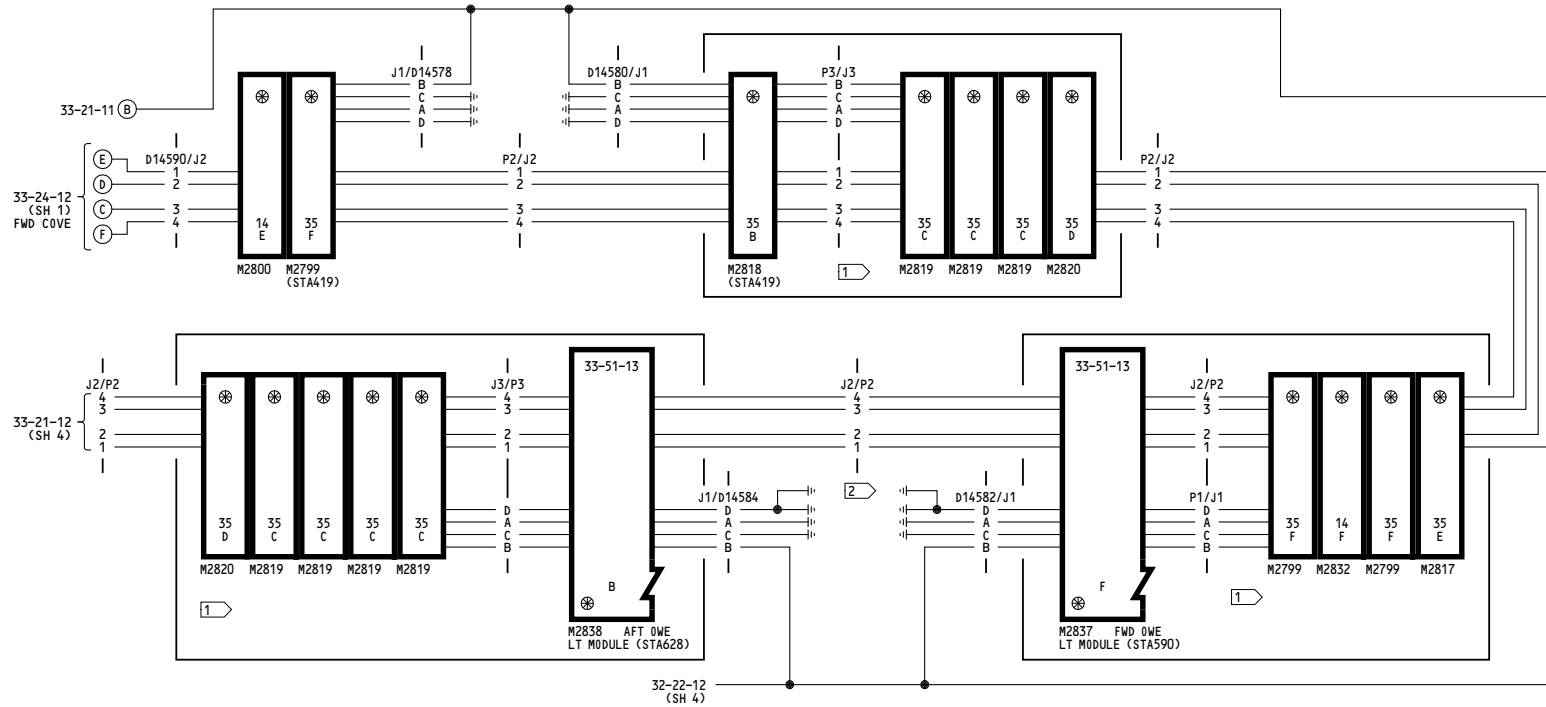
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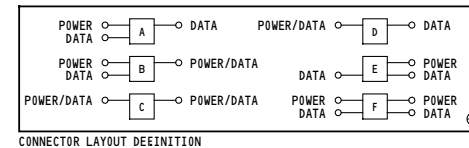
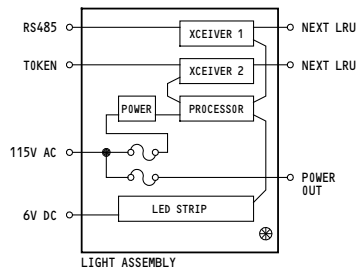
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WIRING DIAGRAMS  
33-21-12



## NOTES:

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J1 (POWER IN) P1 (POWER OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC

TABLE 1

J2 (DATA IN) P2 (DATA OUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

TABLE 2

J3/P3 (POWER/DATA IN/OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

TABLE 3

LEFT SIDE

YT126-YT133

WINDOW LIGHTS

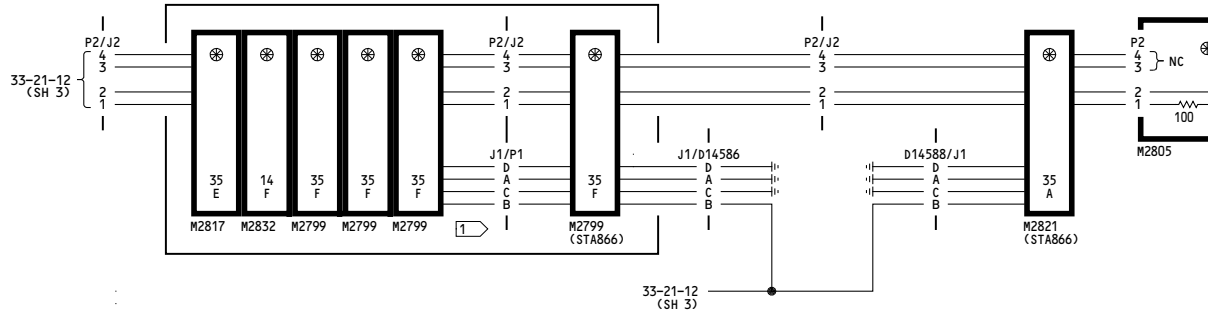
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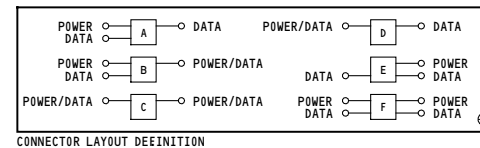
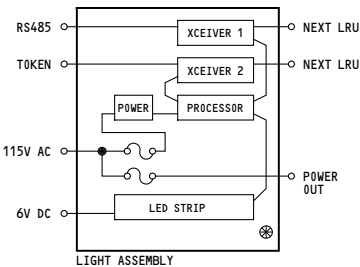
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**WIRING DIAGRAMS**  
33-21-12



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PIN #	WIRE LIST
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C	AC GROUND
A & D	STATIC
TABLE 1	

J2 (DATA IN) P2 (DATA OUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF
TABLE 2	

J3/P3 (POWER/DATA IN/OUT)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A & D	STATIC
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF
TABLE 3	

LEFT SIDE

YT126-YT133

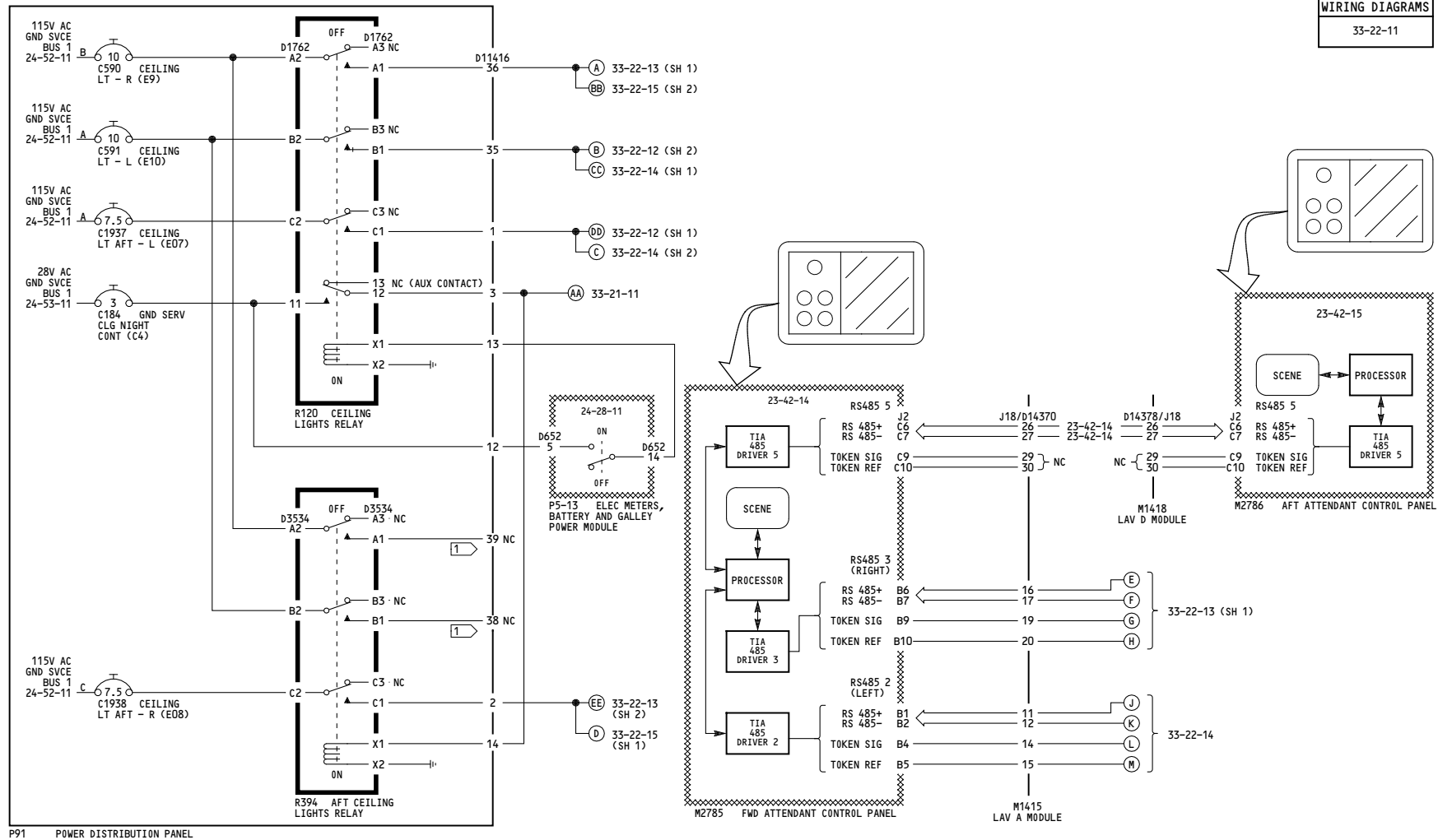
**WINDOW LIGHTS**

D280A451

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## NOTES:

1 RESERVED FOR FLOURESCENT LIGHTING

ALL	CEILING LIGHTS CONTROL
	D280A451

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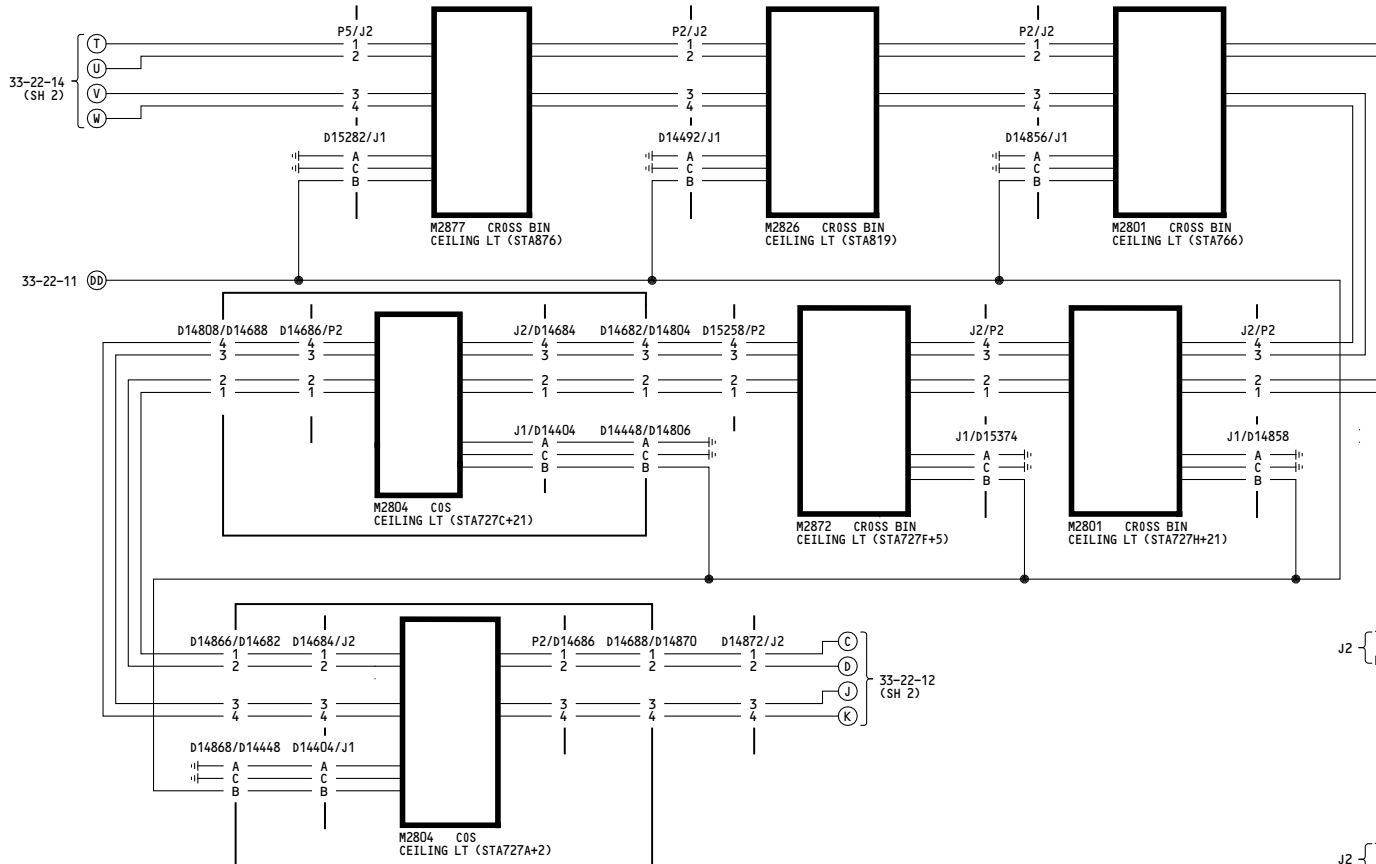
Jun 21/2016

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## WIRING DIAGRAMS

33-22-22

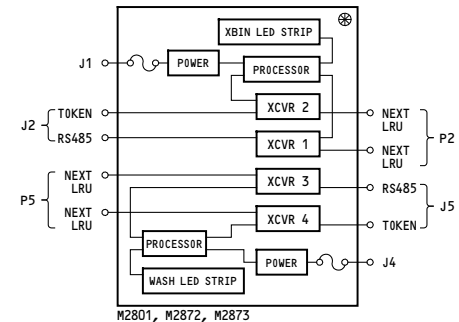
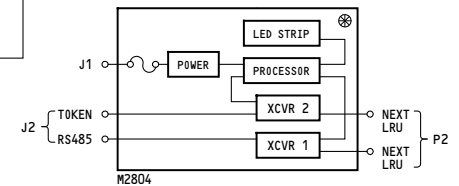


J1 (POWER)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A	STATIC

TABLE 1

J2 (INPUT)/ P2 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

TABLE 2



### NOTES:

- RS485 USE WIRE TYPE S280W502-6 OR EQUIVALENT.
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- FUSES ARE NOT REPLACEABLE.
- LIGHT ASSEMBLY IS NOT TO BE DISASSEMBLED (REMOVE/REPLACE).
- ONLY HALF OF LIGHT ASSEMBLY IS SHOWN ON THIS SCHEMATIC.
- VENDOR TOKEN WIRE DOES NOT REQUIRE TWISTED PAIR, CONTROLLED LENGTH.
- DATABUS 485 RUNS THROUGH PINS 1 & 2.

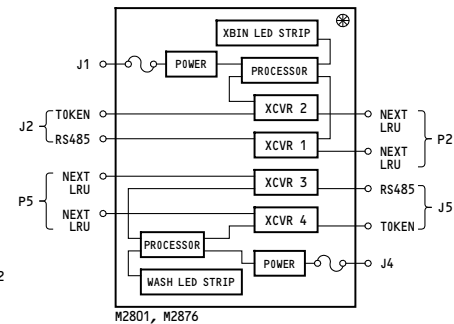
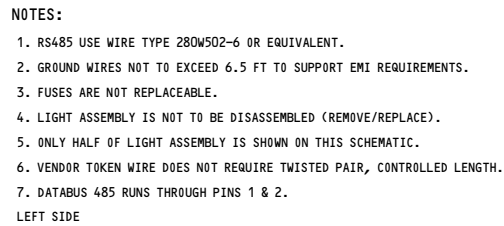
LEFT SIDE

ALL	CEILING LIGHTS
	D280A451

33-22-12



## WIRING DIAGRAMS



J2 (INPUT)/ P2 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

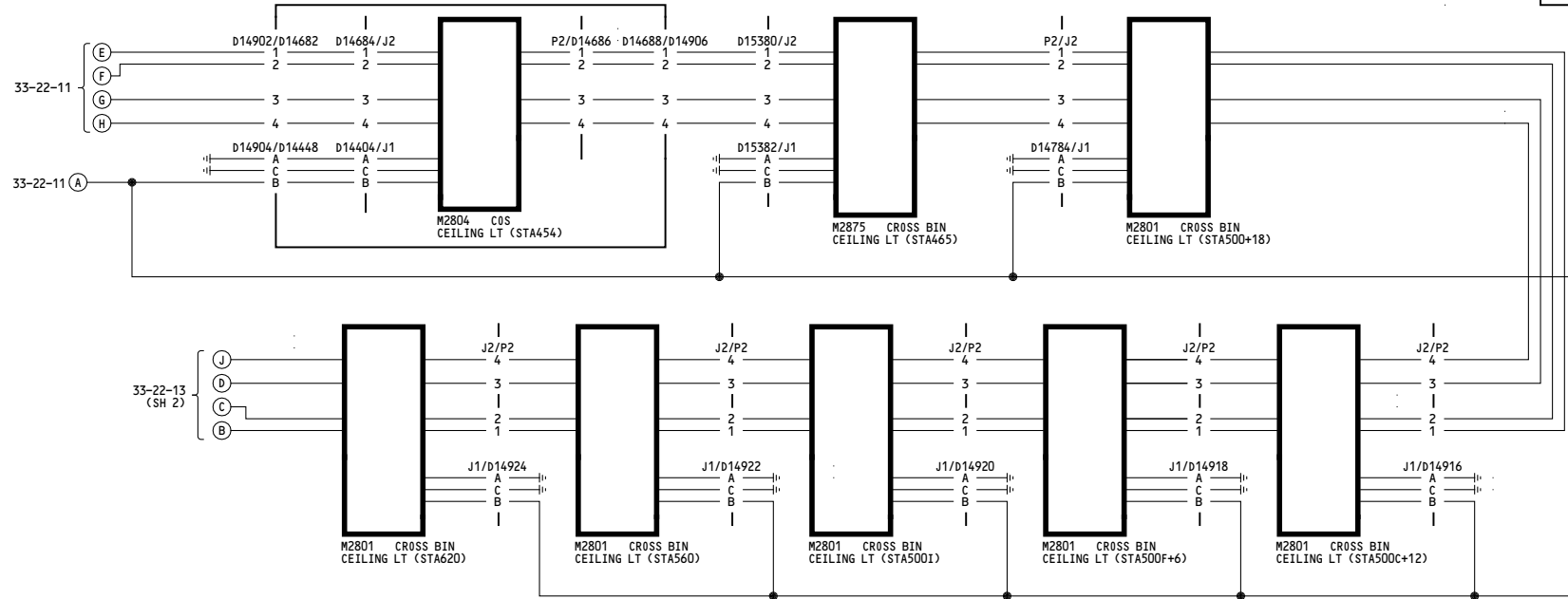
**TABLE 2**

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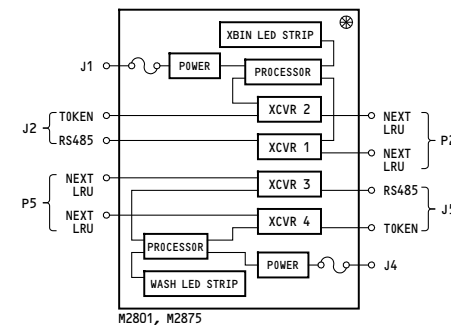
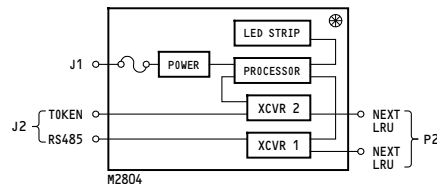
**WIRING DIAGRAMS**  
33-22-31



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RIGHT SIDE



J1 (POWER)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A	STATIC

J2 (INPUT)/ P2 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

ALL

**CEILING LIGHTS RIGHT**

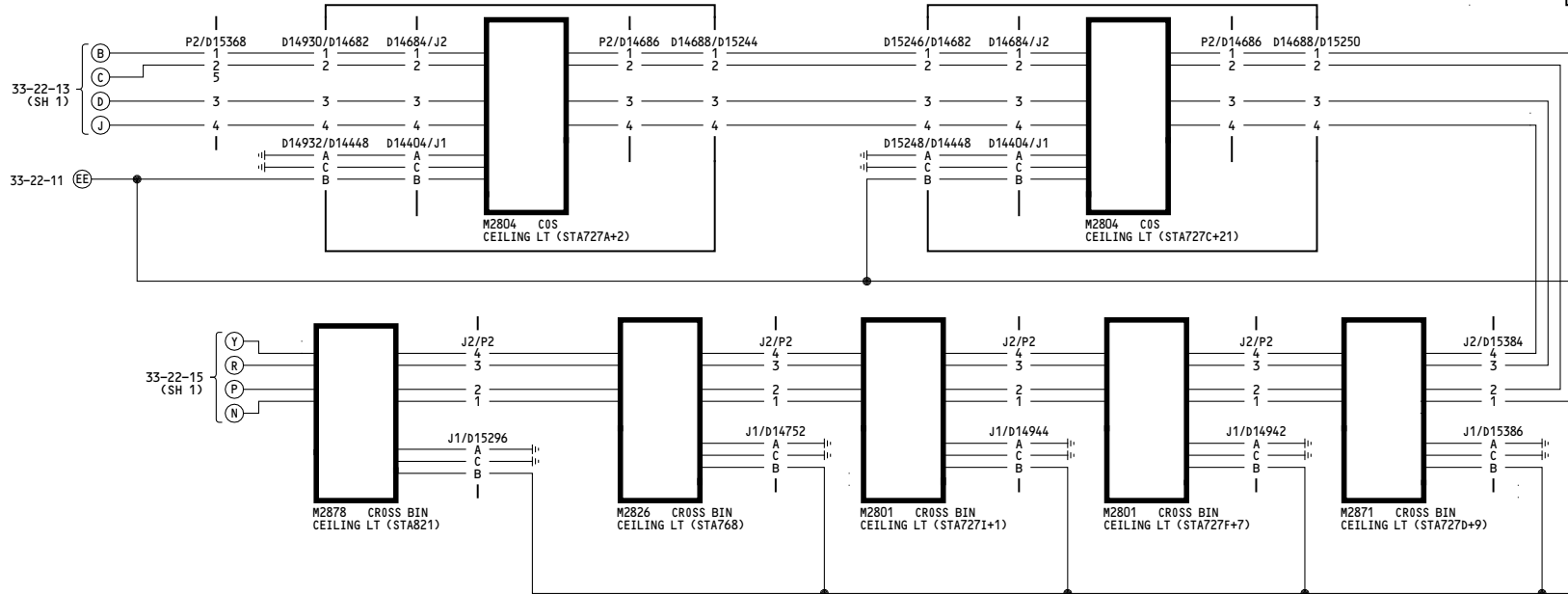
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**WIRING DIAGRAMS**

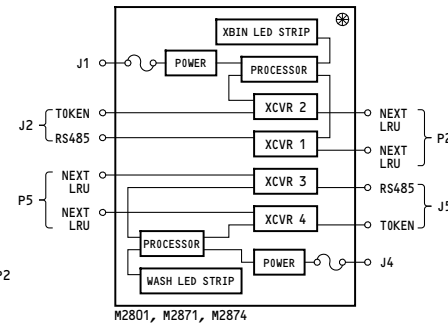
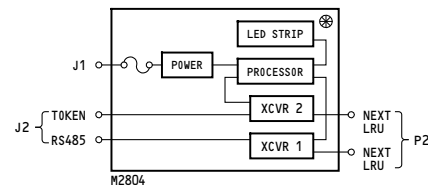
33-22-32



**NOTES:**

1. RS485 USE WIRE S280W502-6 OR EQUIVALENT.
2. GROUND WIRES NOT TO EXCEED 6.5 FT TO SUPPORT EMI REQUIREMENTS.
3. FUSES ARE NOT REPLACEABLE.
4. LIGHT ASSEMBLY IS NOT TO BE DISASSEMBLED (REMOVE/REPLACE).
5. ONLY HALF OF LIGHT ASSEMBLY IS SHOWN ON THIS SCHEMATIC.
6. VENDOR TOKEN WIRE DOES NOT REQUIRE TWISTED PAIR, CONTROLLED LENGTH.
7. DATABUS 485 RUNS THROUGH PINS 1 & 2.

RIGHT SIDE



J1 (POWER)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A	STATIC

J2 (INPUT)/ P2 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

ALL

**CEILING LIGHTS RIGHT**

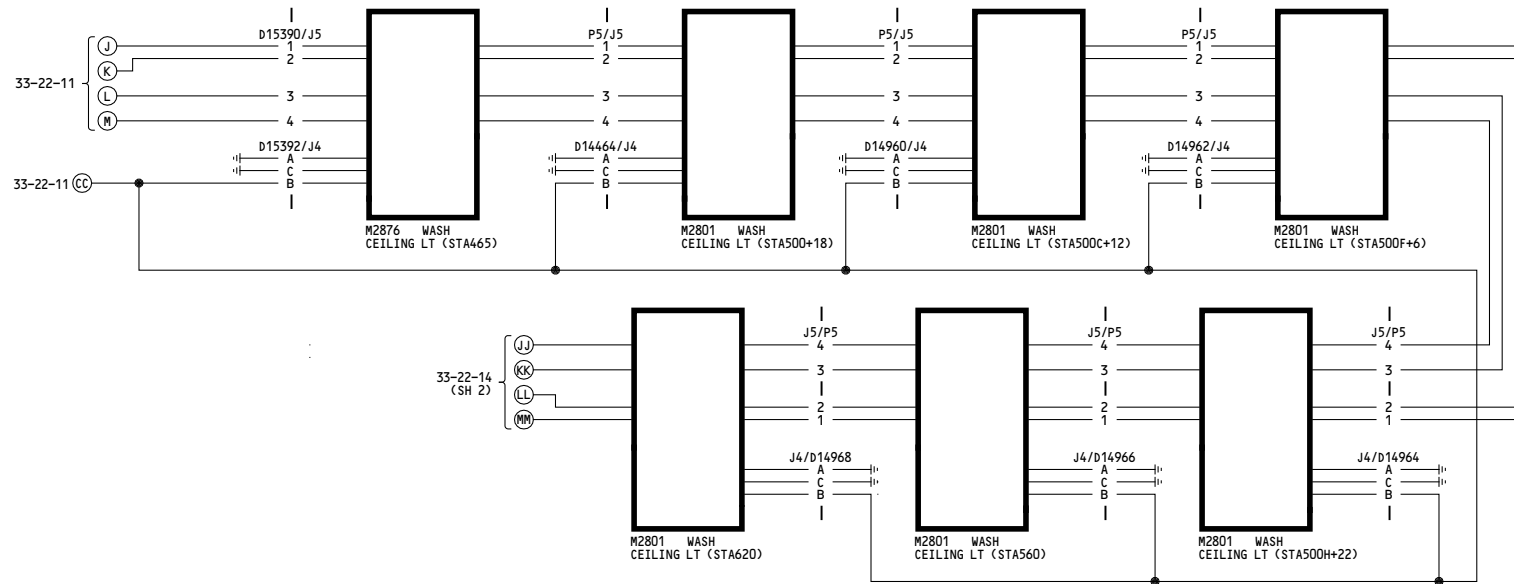
D280A451

**33-22-13**

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6

WIRING DIAGRAMS  
33-22-41

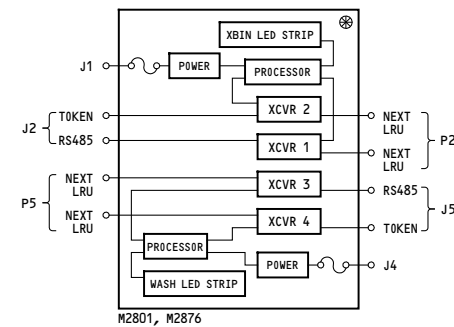


**NOTES:**

1. RS485 USE WIRE TYPE S280W502-6 OR EQUIVALENT.
2. GROUND WIRES NOT TO EXCEED 6.5 FEET TO SUPPORT EMI REQUIREMENTS.
3. FUSES ARE NOT REPLACEABLE.
4. LIGHT ASSEMBLY IS NOT TO BE DISASSEMBLED (REMOVE/REPLACE).
5. ONLY HALF OF LIGHT ASSEMBLY IS SHOWN ON THIS SCHEMATIC.
6. VENDOR TOKEN WIRE DOES NOT REQUIRE TWISTED PAIR, CONTROLLED LENGTH.
7. DATABUS 485 RUNS THROUGH PINS 1 & 2.

LEFT SIDE

ALL	CEILING WASH LIGHTS - LEFT
	D280A451



J4 (POWER)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A	STATIC

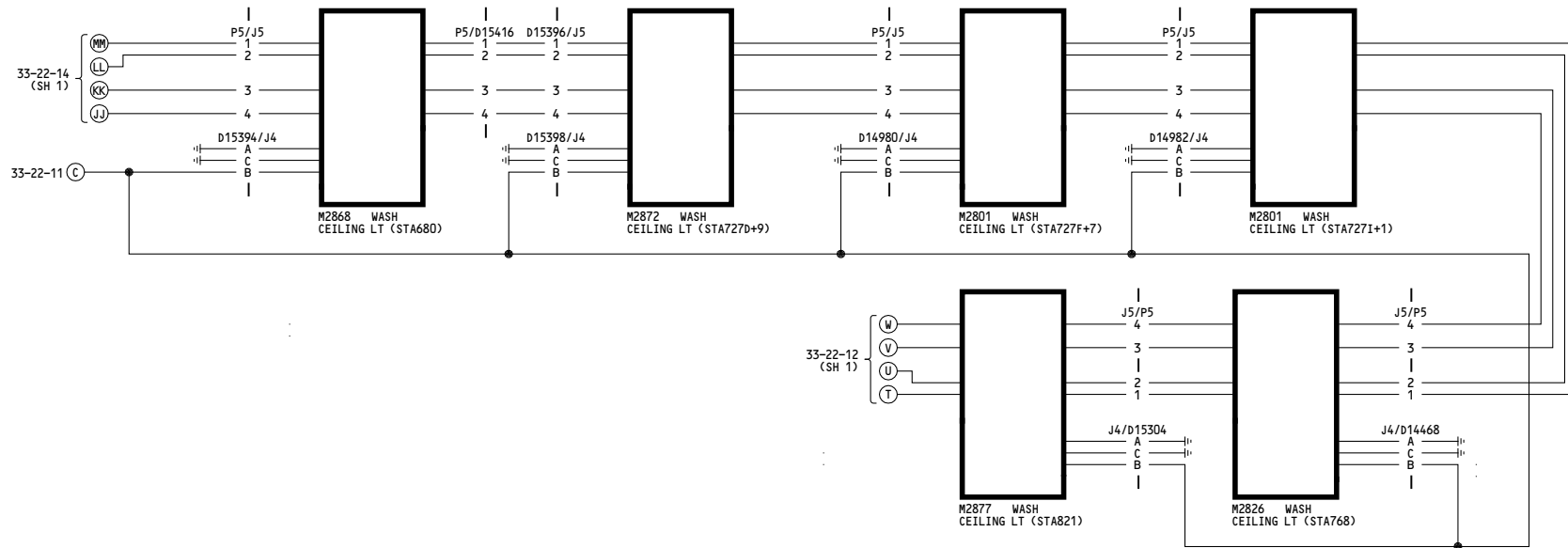
J5 (INPUT)/P5 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

**33-22-14**

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**WIRING DIAGRAMS**

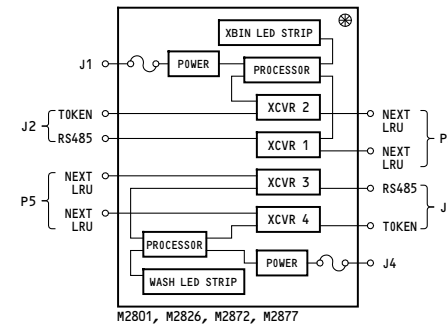
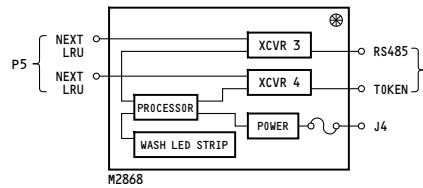
33-22-41



**NOTES:**

1. RS485 USE WIRE TYPE S280W502-6 OR EQUIVALENT.
2. GROUND WIRES NOT TO EXCEED 6.5 FT TO SUPPORT EMI REQUIREMENTS.
3. FUSES ARE NOT REPLACEABLE.
4. LIGHT ASSEMBLY IS NOT TO BE DISASSEMBLED (REMOVE/REPLACE).
5. ONLY HALF OF LIGHT ASSEMBLY IS SHOWN ON THIS SCHEMATIC.
6. VENDOR TOKEN WIRE DOES NOT REQUIRE TWISTED PAIR, CONTROLLED LENGTH.
7. DATABUS 485 RUNS THROUGH PINS 1 & 2.

LEFT SIDE



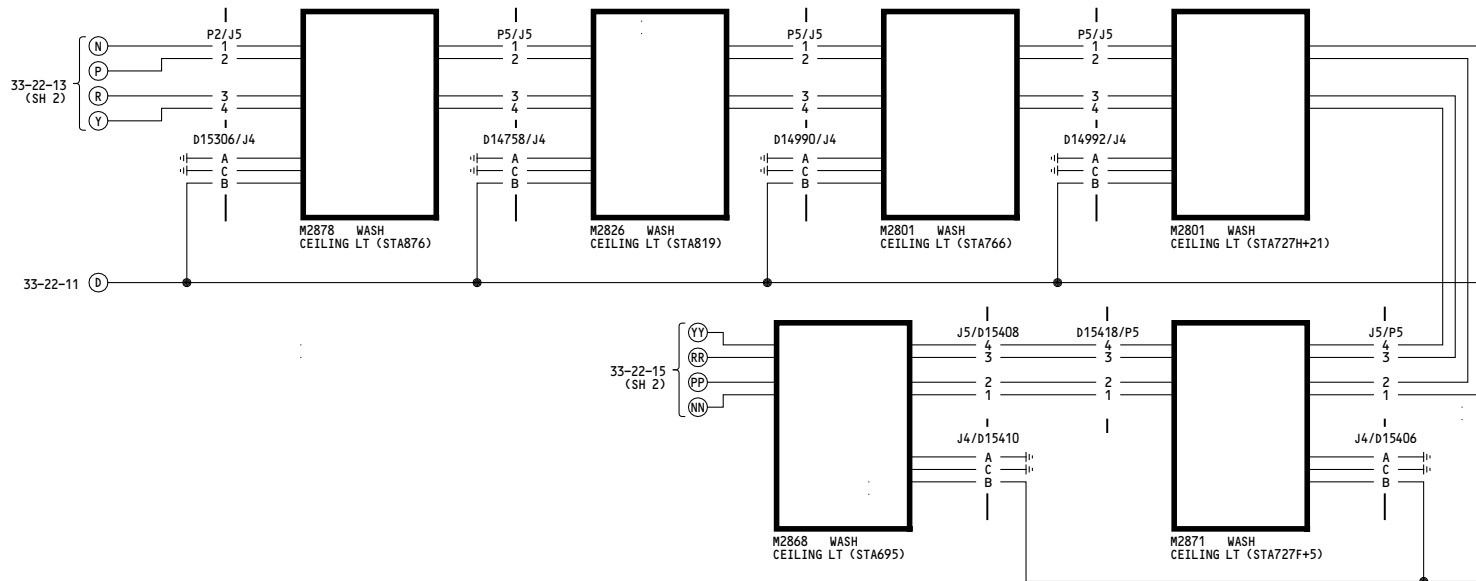
J4 (POWER)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A	STATIC

J5 (INPUT)/P5 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

**33-22-14**

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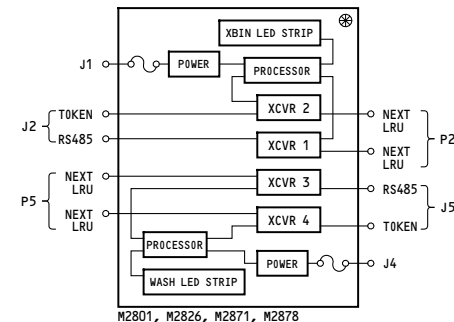
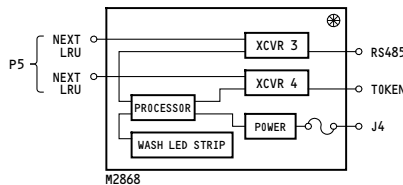
ALL	CEILING WASH LIGHTS - LEFT
	D280A451



## NOTES:

- RS485 USE WIRE TYPE 280W502-6 OR EQUIVALENT.
- GROUND WIRES NOT TO EXCEED 6.5 FEET TO SUPPORT EMI REQUIREMENTS.
- FUSES ARE NOT REPLACEABLE.
- LIGHT ASSEMBLY IS NOT TO BE DISASSEMBLED (REMOVE/REPLACE).
- ONLY HALF OF LIGHT ASSEMBLY IS SHOWN ON THIS SCHEMATIC.
- VENDOR TOKEN WIRE DOES NOT REQUIRE TWISTED PAIR, CONTROLLED LENGTH.
- DATABUS 485 RUNS THROUGH PINS 1 & 2.

RIGHT SIDE



J4 (POWER)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A	STATIC

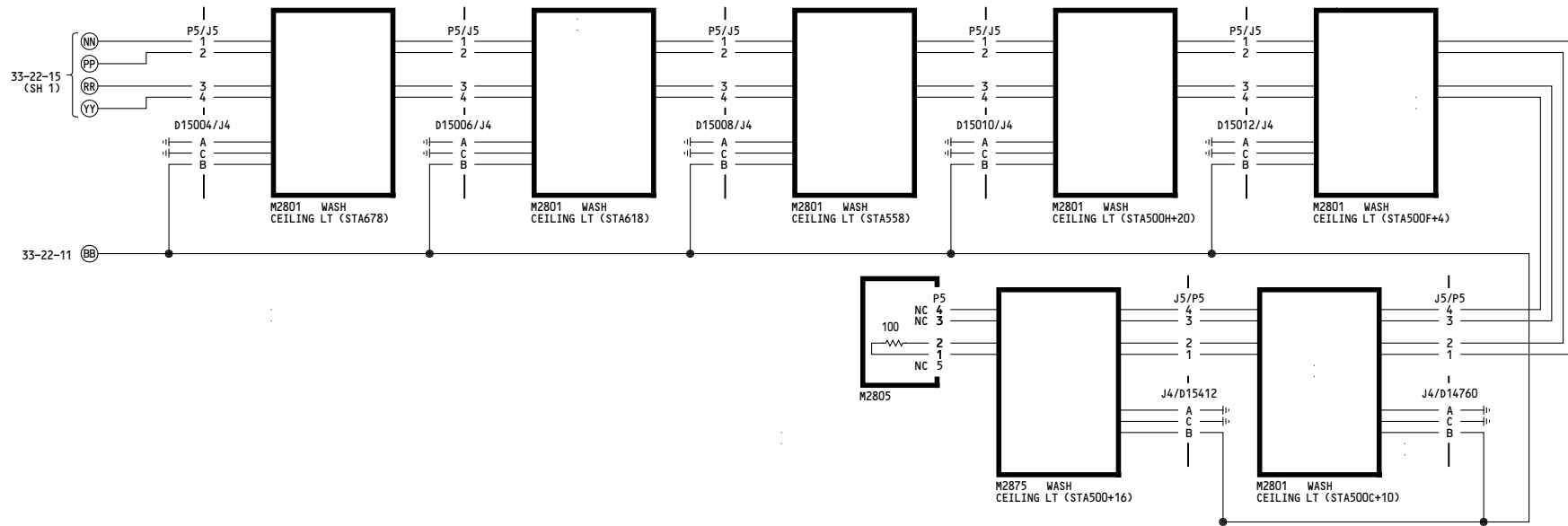
J5 (INPUT)/P5 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

## 33-22-15

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**WIRING DIAGRAMS**  
33-22-51

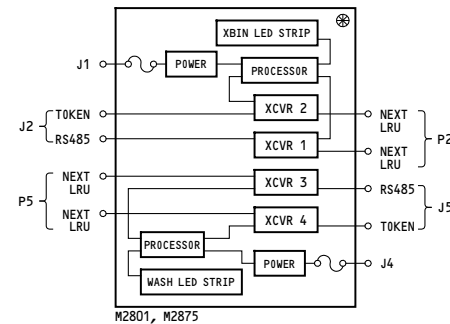


**NOTES:**

1. RS485 USE WIRE TYPE 280W502-6 OR EQUIVALENT.
2. GROUND WIRES NOT TO EXCEED 6.5 FT TO SUPPORT EMI REQUIREMENTS.
3. FUSES ARE NOT REPLACEABLE.
4. LIGHT ASSEMBLY IS NOT TO BE DISASSEMBLED (REMOVE/REPLACE).
5. ONLY HALF OF LIGHT ASSEMBLY IS SHOWN ON THIS SCHEMATIC.
6. VENDOR TOKEN WIRE DOES NOT REQUIRE TWISTED PAIR, CONTROLLED LENGTH.
7. DATABUS 485 RUNS THROUGH PINS 1 & 2.

RIGHT SIDE

ALL	<b>CEILING WASH LIGHTS - RIGHT</b>
	D280A451

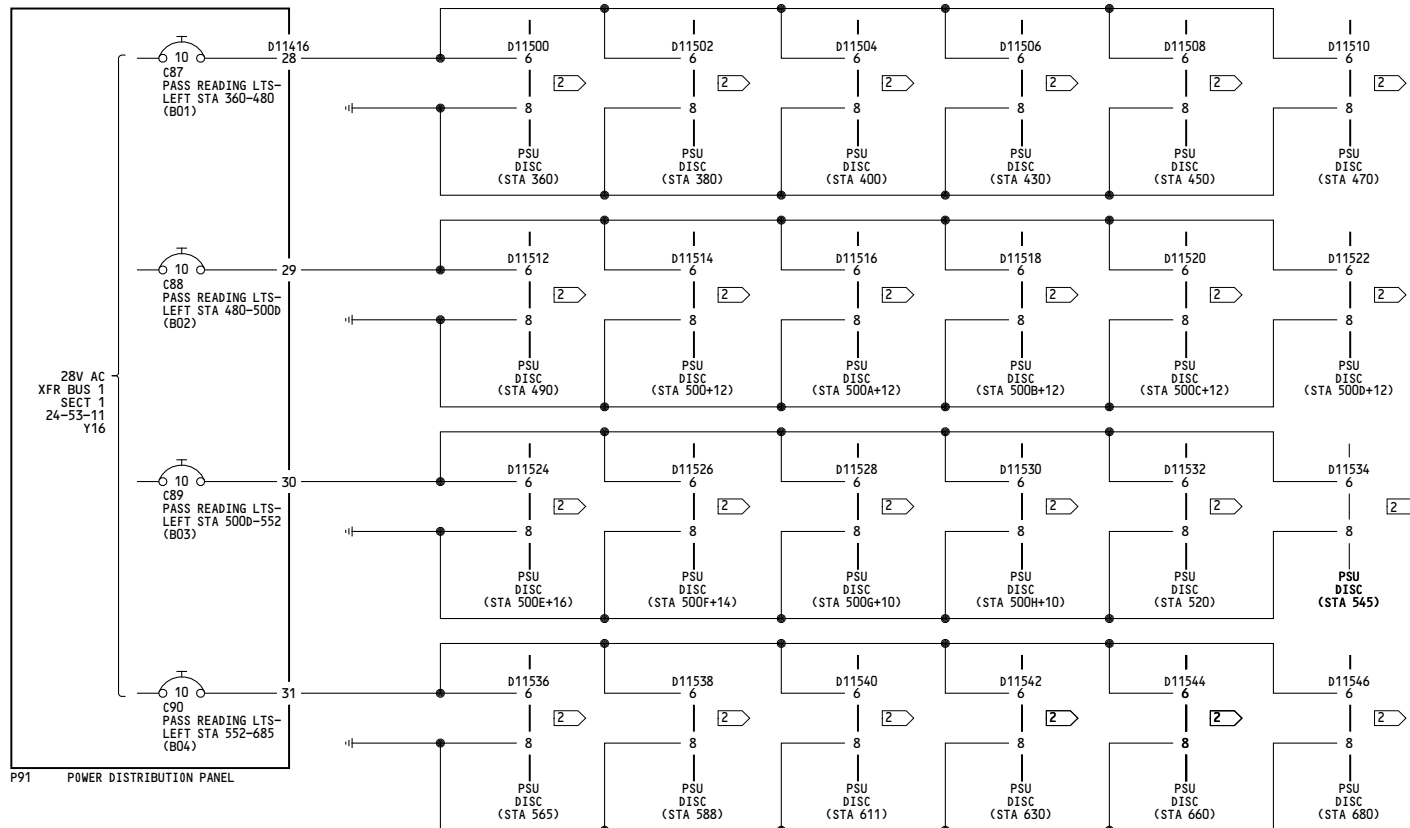


J4 (POWER)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A	STATIC

J5 (INPUT)/ P5 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

**33-22-15**

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2WIRING DIAGRAMS  
33-23-11

## NOTES

- 1 PSU: PASSENGER SERVICE UNIT
- 2 MATE WITH PSU IF INSTALLED
- 3 ALL PSU DISCONNECTS  
LOCATED AT: WL 274, LBL 51

ALL

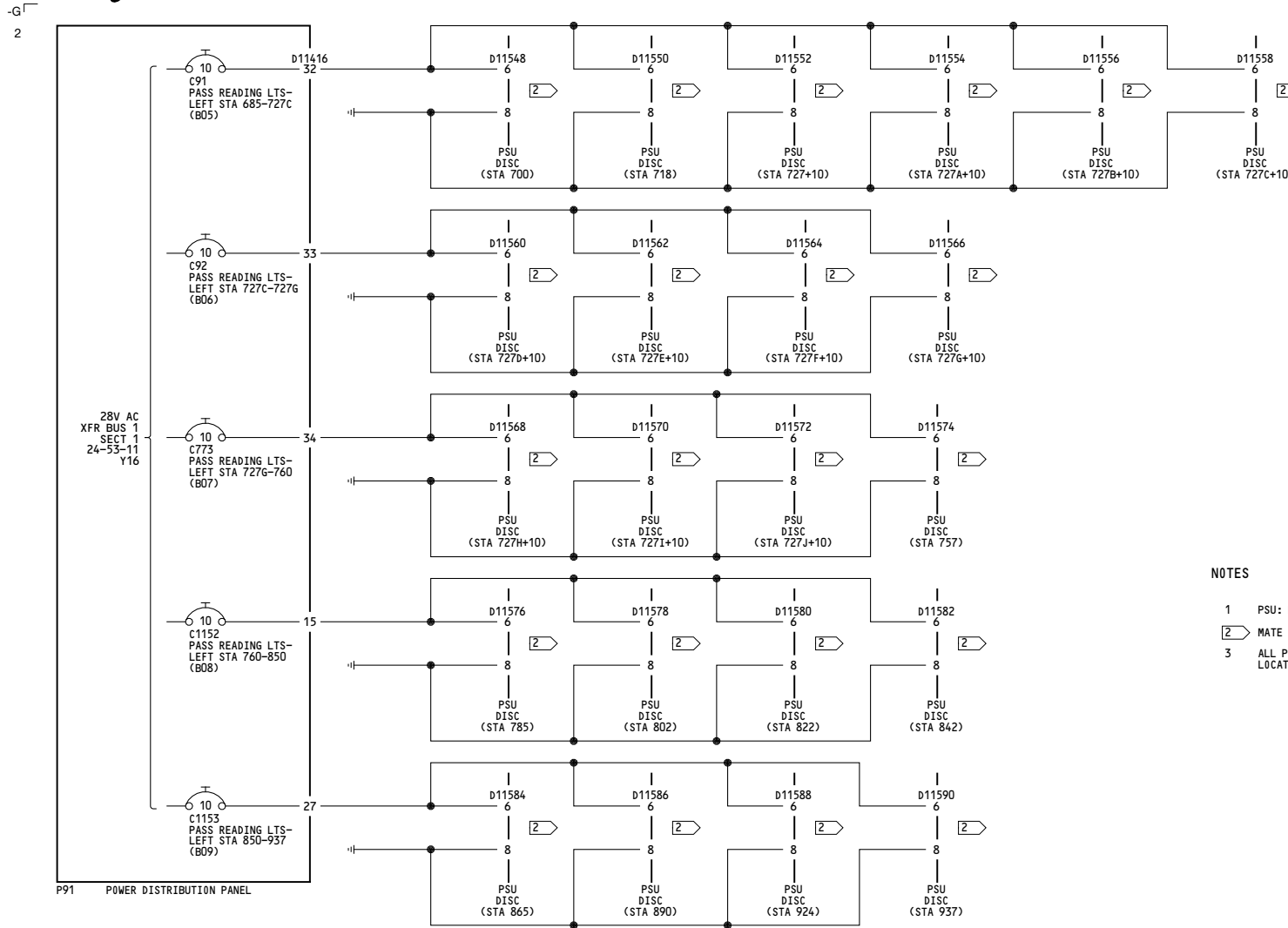
PASS READING LTS -  
LEFT FWD

D280A451

33-23-11

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## NOTES

- 1 PSU: PASSENGER SERVICE UNIT
- 2 MATE WITH PSU IF INSTALLED
- 3 ALL PSU DISCONNECTS LOCATED AT: WL 274, LBL 51

ALL

PASS READING LTS -  
LEFT AFT

D280A451

33-23-12

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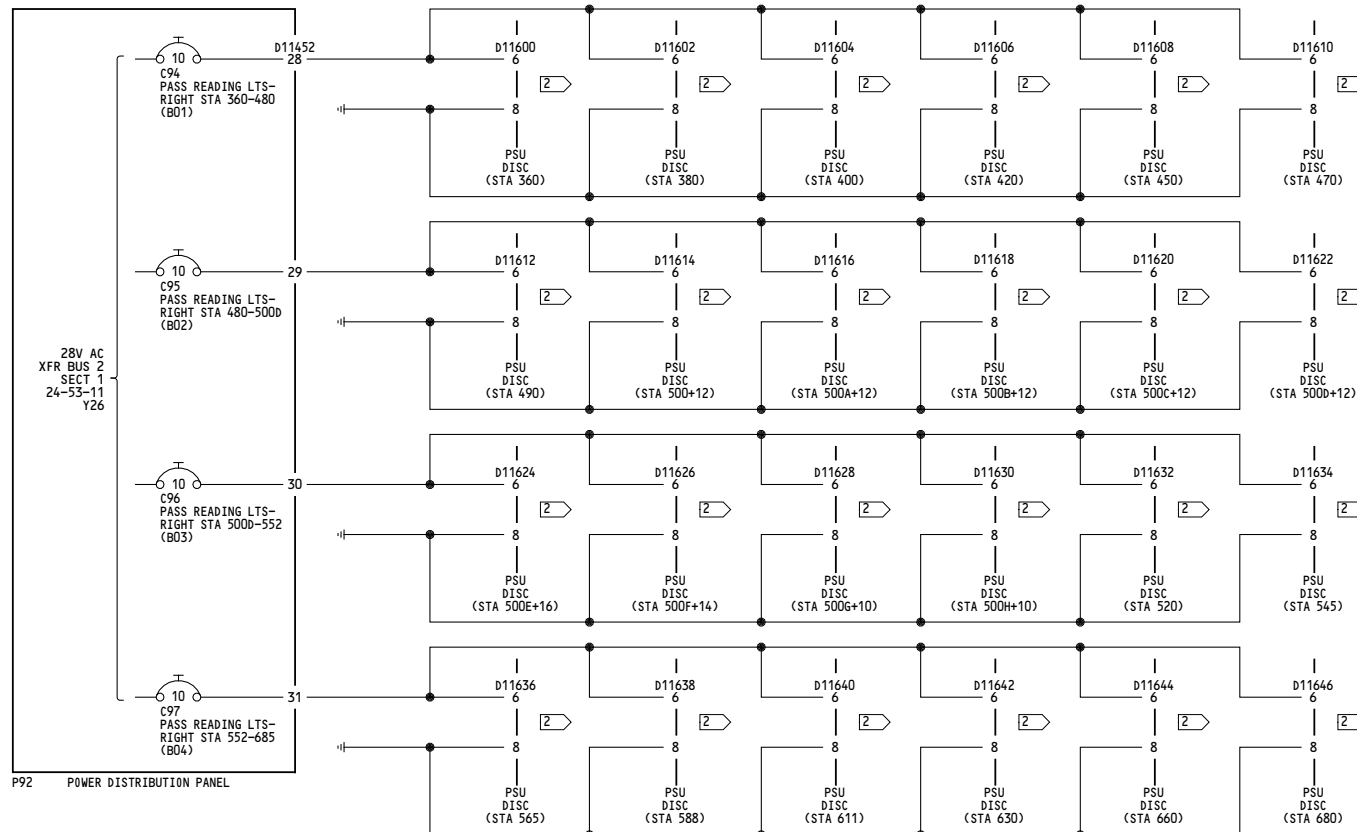




## 737-800 SYSTEM SCHEMATIC MANUAL

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2

WIRING DIAGRAMS
33-23-21



### NOTES

- 1 PSU: PASSENGER SERVICE UNIT
- 2 MATE WITH PSU IF INSTALLED
- 3 ALL PSU DISCONNECTS  
LOCATED AT: WL 274, LBL 51

ALL

PASS READING LTS -  
RIGHT FWD

D280A451

33-23-21

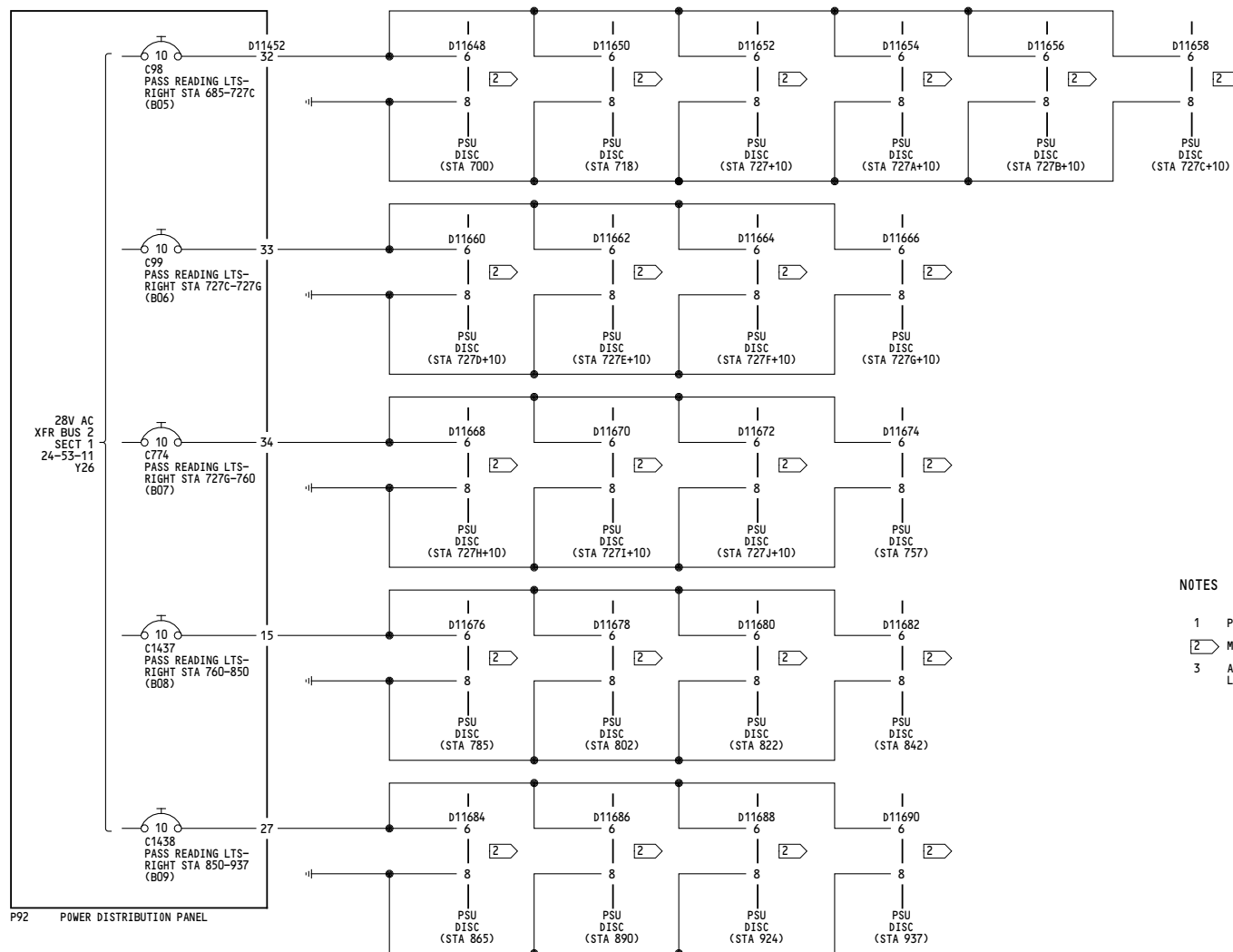
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2

WIRING DIAGRAMS

33-23-22



## NOTES

- 1 PSU: PASSENGER SERVICE UNIT
- 2 MATE WITH PSU IF INSTALLED
- 3 ALL PSU DISCONNECTS  
LOCATED AT: WL 274, LBL 51

ALL

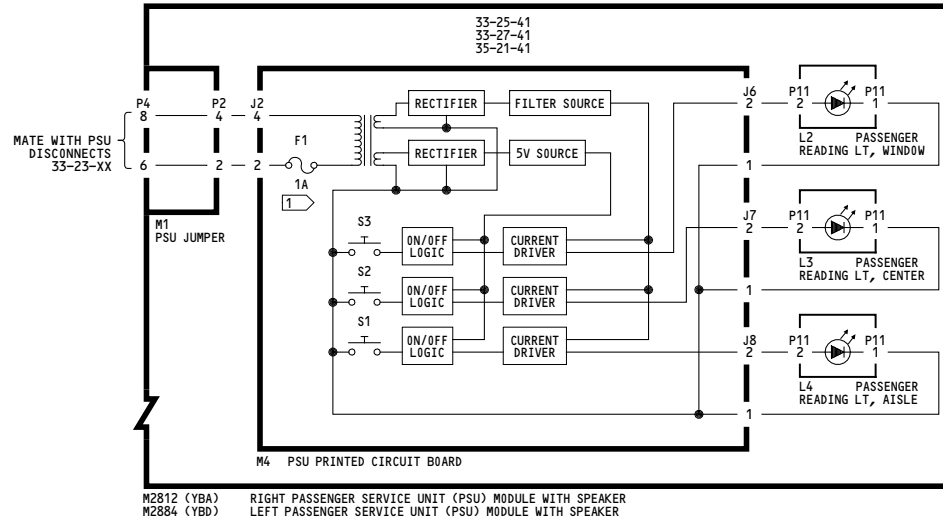
PASS READING LTS -  
RIGHT AFT

D280A451

33-23-22

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**NOTES:**

1 FUSE IS REPLACEABLE

ALL	<b>READING LTS - PASS SERVICE UNIT</b>
	D280A451

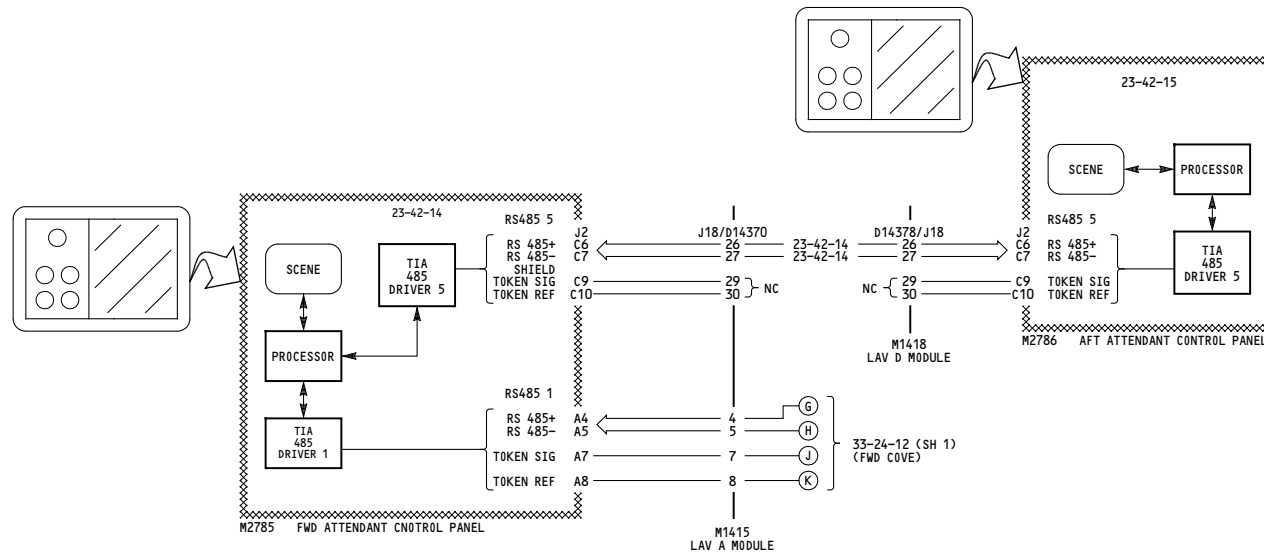
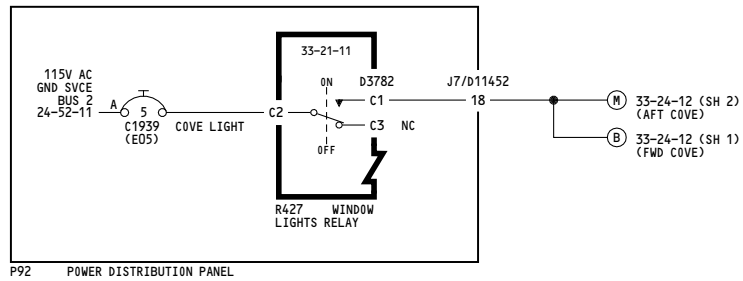
**33-23-31**

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## WIRING DIAGRAMS



ALL

## COVE LIGHTS CONTROL

D280A451

**33-24-11**

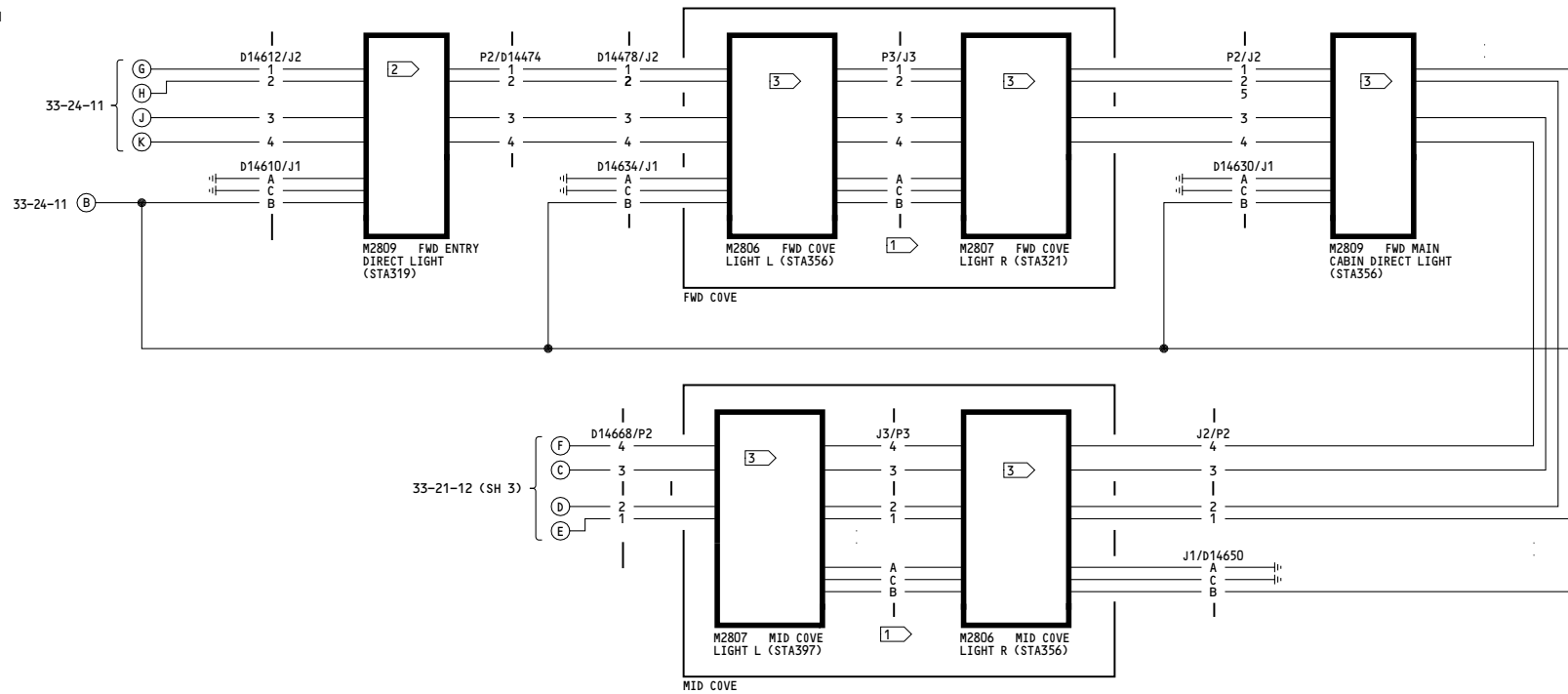
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## WIRING DIAGRAMS

33-24-21

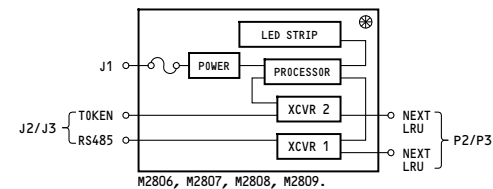


### NOTES:

1. RS485 USE WIRE TYPE S280W502-6 OR EQUIVALENT.
2. GROUND WIRES NOT TO EXCEED 10.5 FEET TO SUPPORT EMI REQUIREMENTS.
3. DATABUS 485 RUNS THROUGH PINS 1 & 2.
4. FUSES ARE NOT REPLACEABLE.
5. LIGHT ASSEMBLY IS NOT TO BE DISASSEMBLED (REMOVE/REPLACE).
6. VENDOR TOKEN WIRE DOES NOT REQUIRE TWISTED PAIR, CONTROLLED LENGTH.

J1 (POWER)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A	STATIC

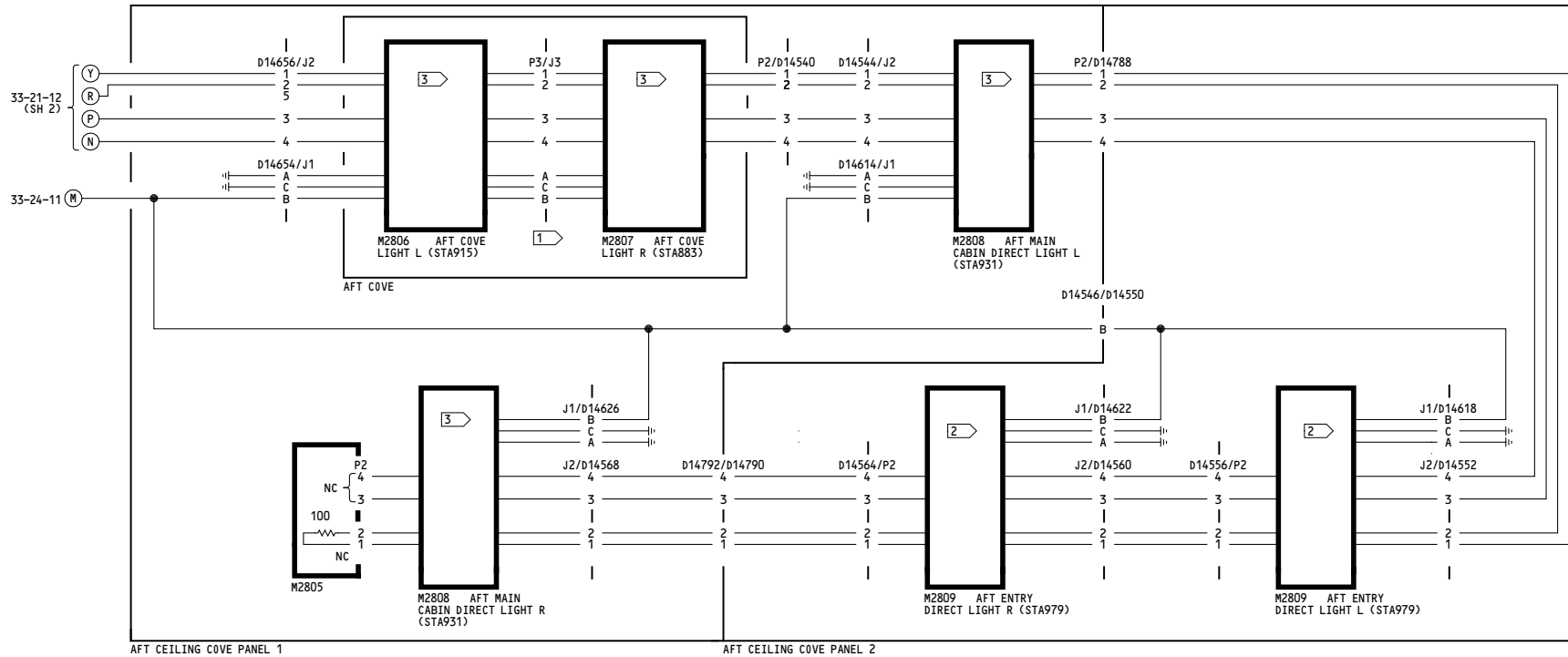
J2/J3 (INPUT)/P2/P3 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF



ALL	COVE LIGHTS
	D280A451

## 33-24-12

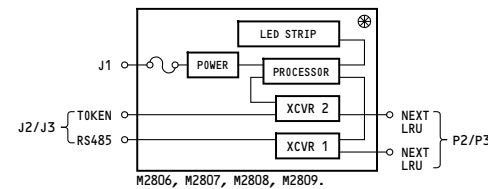
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## NOTES:

- 1 PIN "D" IS NOT USED.
- 2 THIS LIGHT IS CONTROLLED FROM "AFT ENTRY AREA" SUB-MENU.
- 3 THIS LIGHT IS CONTROLLED FROM "PASSENGER SEATING AREA" SUB-MENU.

1. RS485 USE WIRE TYPE S280W502-6 OR EQUIVALENT.
2. DATABUS 485 RUNS THROUGH PINS 1 & 2.
3. FUSES ARE NOT REPLACEABLE.
4. LIGHT ASSEMBLY IS NOT TO BE DISASSEMBLED (REMOVE/REPLACE).
5. VENDOR TOKEN WIRE DOES NOT REQUIRE TWISTED PAIR, CONTROLLED LENGTH.



J1 (POWER)	
PIN #	WIRE LIST
B	115V AC
C	AC GROUND
A	STATIC

J2/J3 (INPUT)/P2/P3 (OUTPUT)	
PIN #	WIRE LIST
1	RS 485+
2	RS 485-
5	SHIELD
3	TOKEN SIG
4	TOKEN REF

ALL

COVE LIGHTS

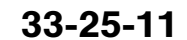
D280A451

33-24-12

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WIRING DIAGRAMS
33-25-11



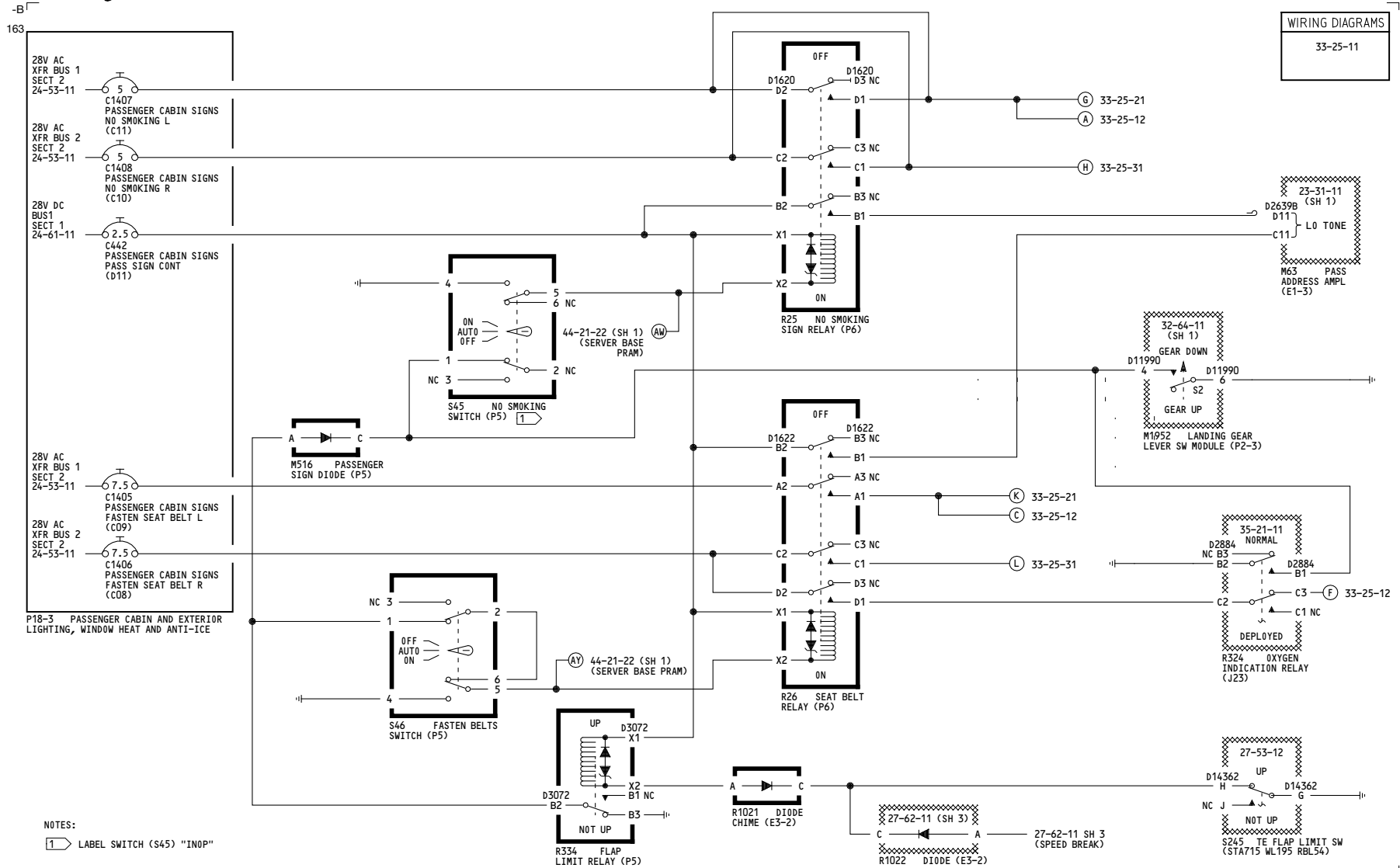
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YT101-YT120, YT130-YT133

### PASS SIGN - CONTROL

D280A451



YT126-YT129

PASS SIGN - CONTROL

D280A451

33-25-11

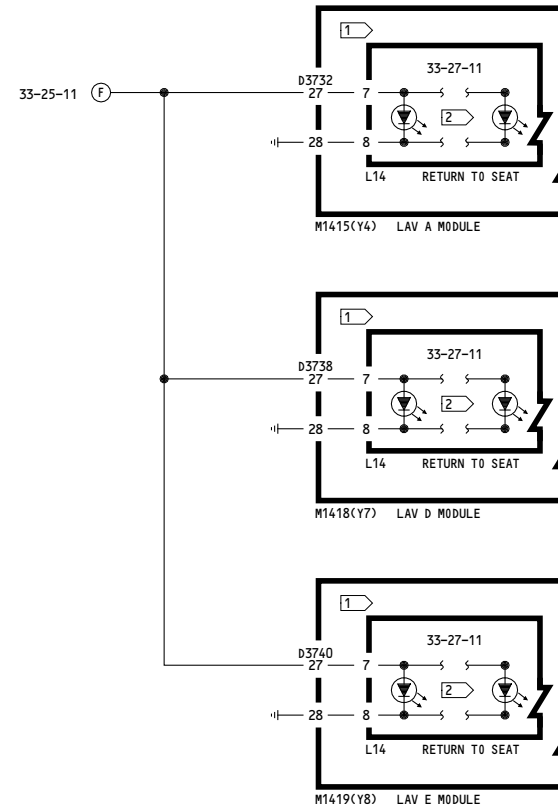
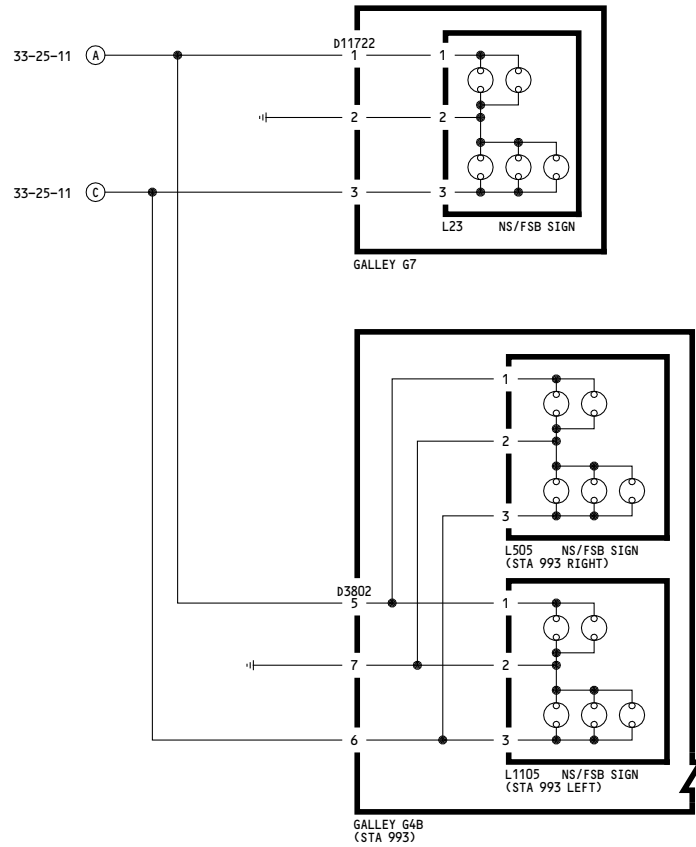
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167

WIRING DIAGRAMS  
33-25-11  
33-25-21  
33-25-22



NOTES:

- 1 SUPPLIER NUMBER MAY DIFFER FROM BOEING.  
SEE SUPPLIER CMM. L4 LEGACY IS L14 NEW COMMON LAV.
- 2 6 LED STRING.

YT101-YT118

**PASS SIGNS - MISC**

D280A451

**33-25-12**

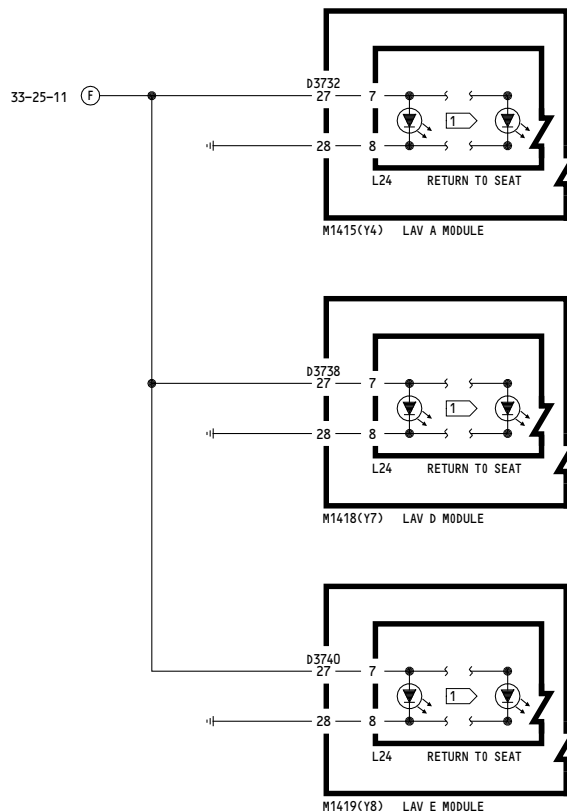
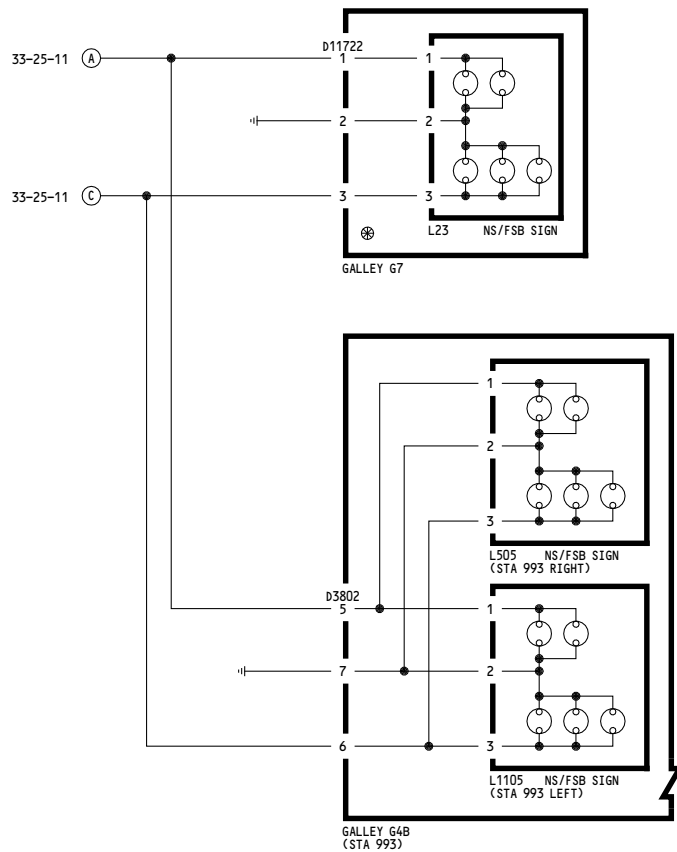
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Mar 14/2016

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**WIRING DIAGRAMS**

33-25-11  
33-25-21  
33-25-22



**NOTES:**

1 EQUIPMENT AND WIRING INFORMATION FOR EACH LAV. SEE SUPPLIER CMM.

YT119-YT120

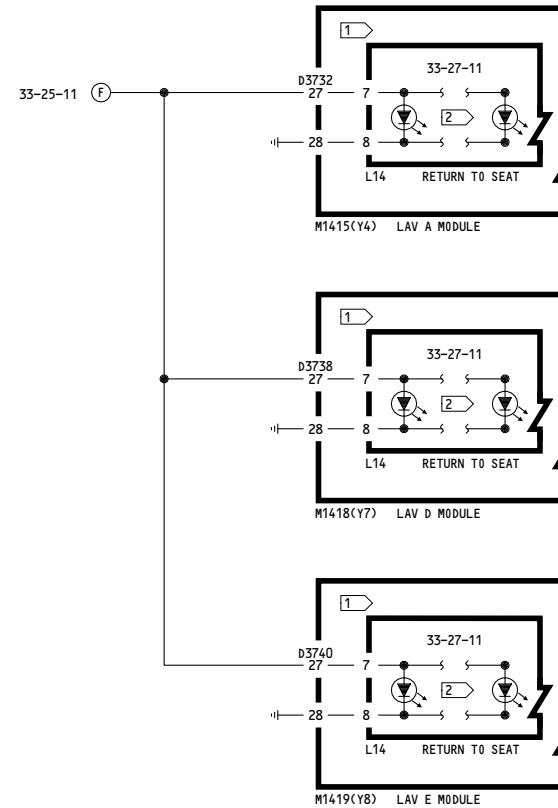
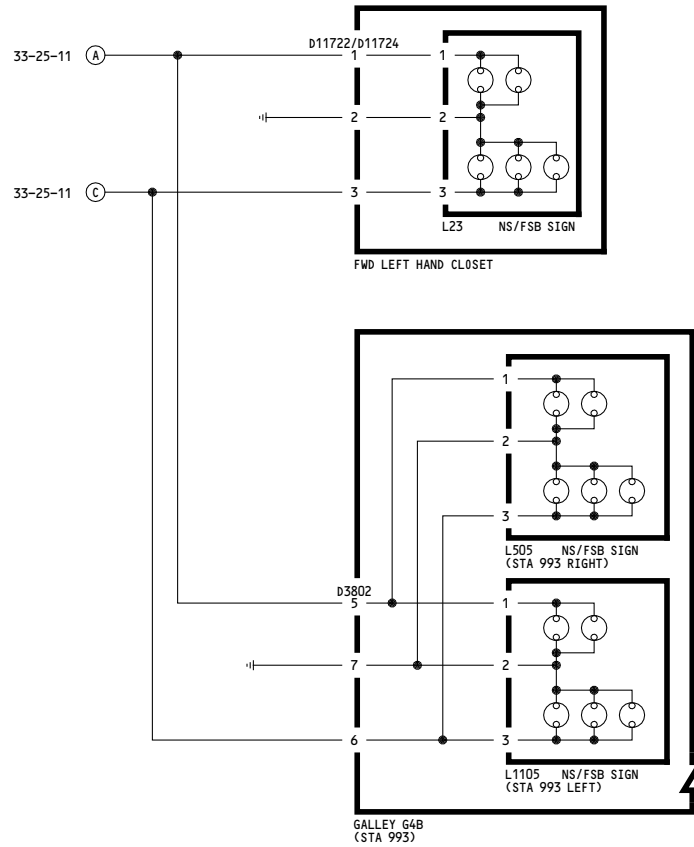
**PASS SIGNS - MISC**

D280A451

**33-25-12**

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NOTES:

- 1 SUPPLIER NUMBER MAY DIFFER FROM BOEING.  
SEE SUPPLIER CMM. L4 LEGACY IS L14 NEW COMMON LAV.
- 2 6 LED STRING.

YT126-YT127

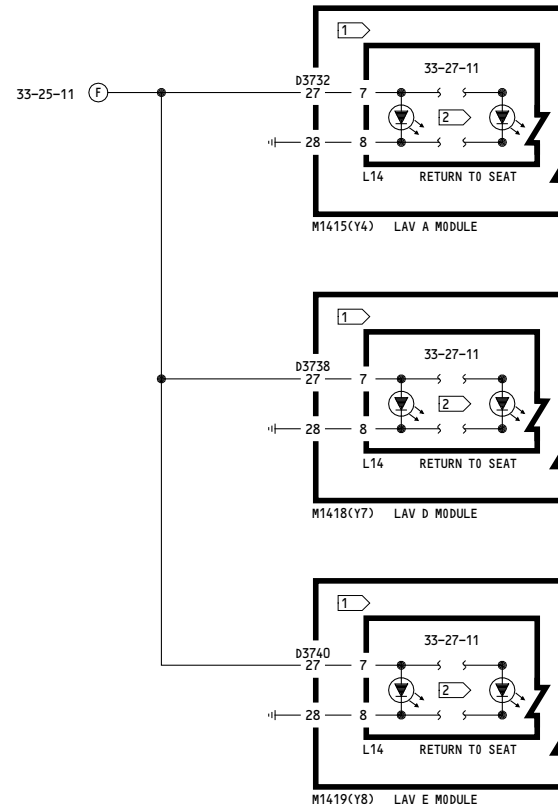
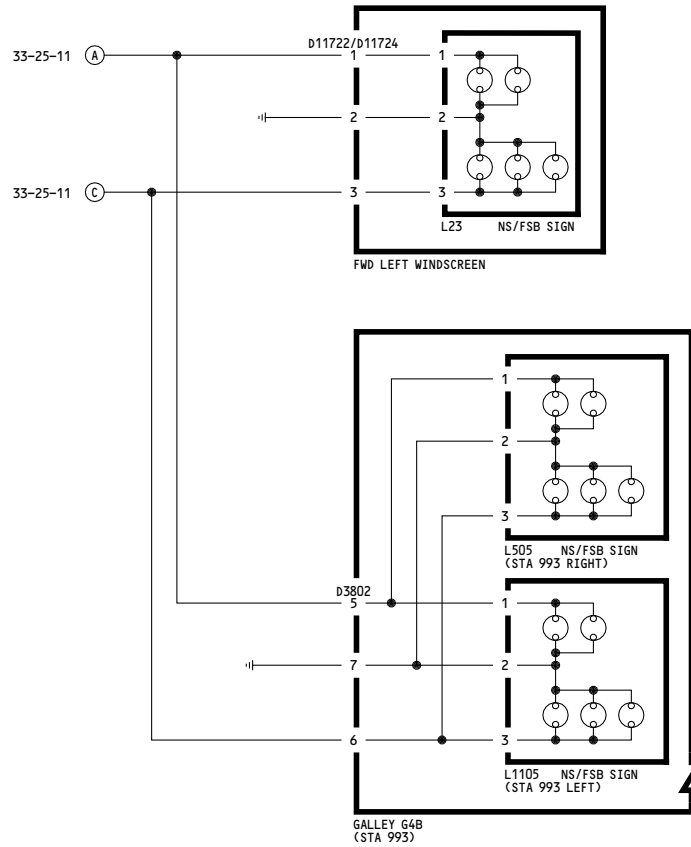
**PASS SIGNS - MISC**

D280A451

**33-25-12**

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NOTES:

- 1 SUPPLIER NUMBER MAY DIFFER FROM BOEING.  
SEE SUPPLIER CMM. L4 LEGACY IS L14 NEW COMMON LAV.
- 2 6 LED STRING.

YT128-YT131

**PASS SIGNS - MISC**

D280A451

**33-25-12**

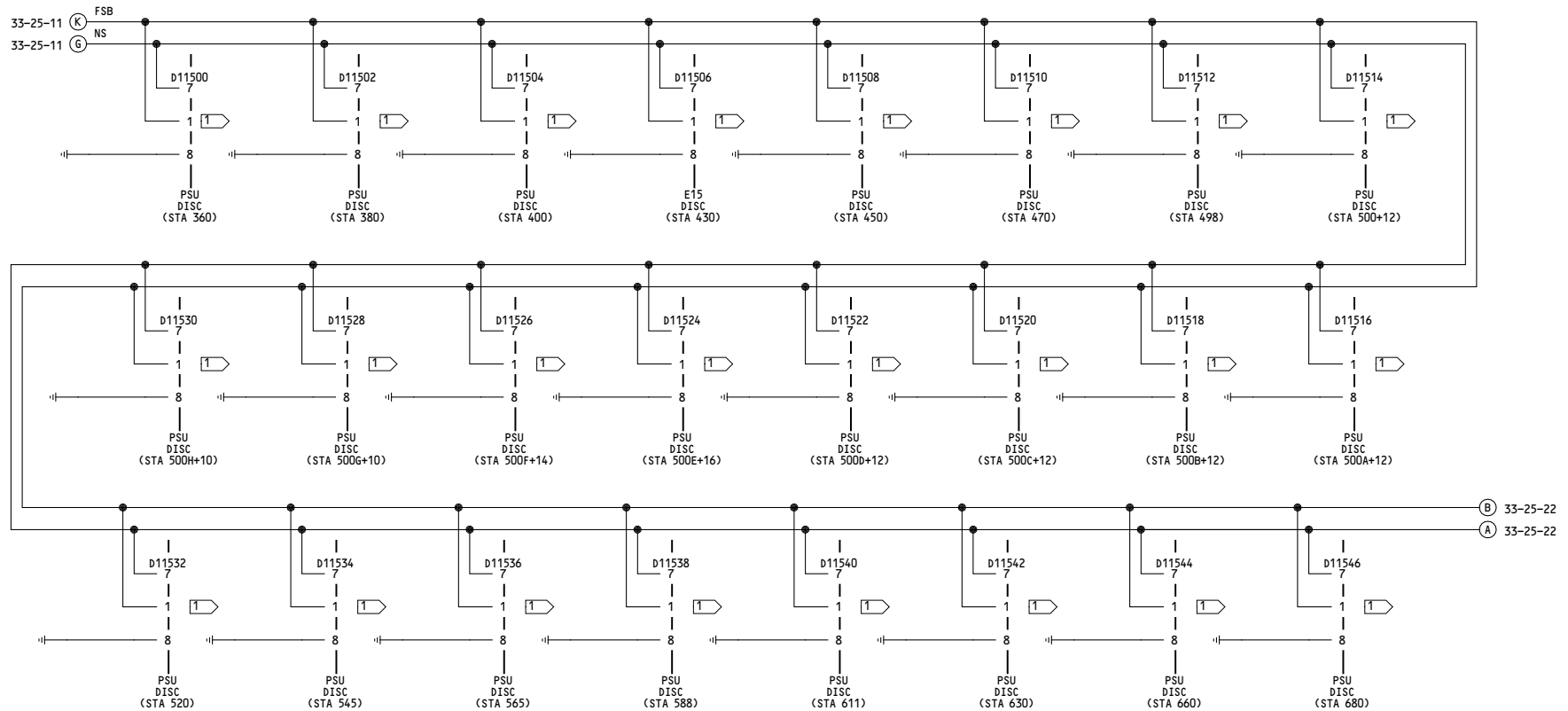
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2

WIRING DIAGRAMS

33-25-21



## NOTES

1 MATE WITH PASSENGER SERVICE UNIT IF INSTALLED

ALL

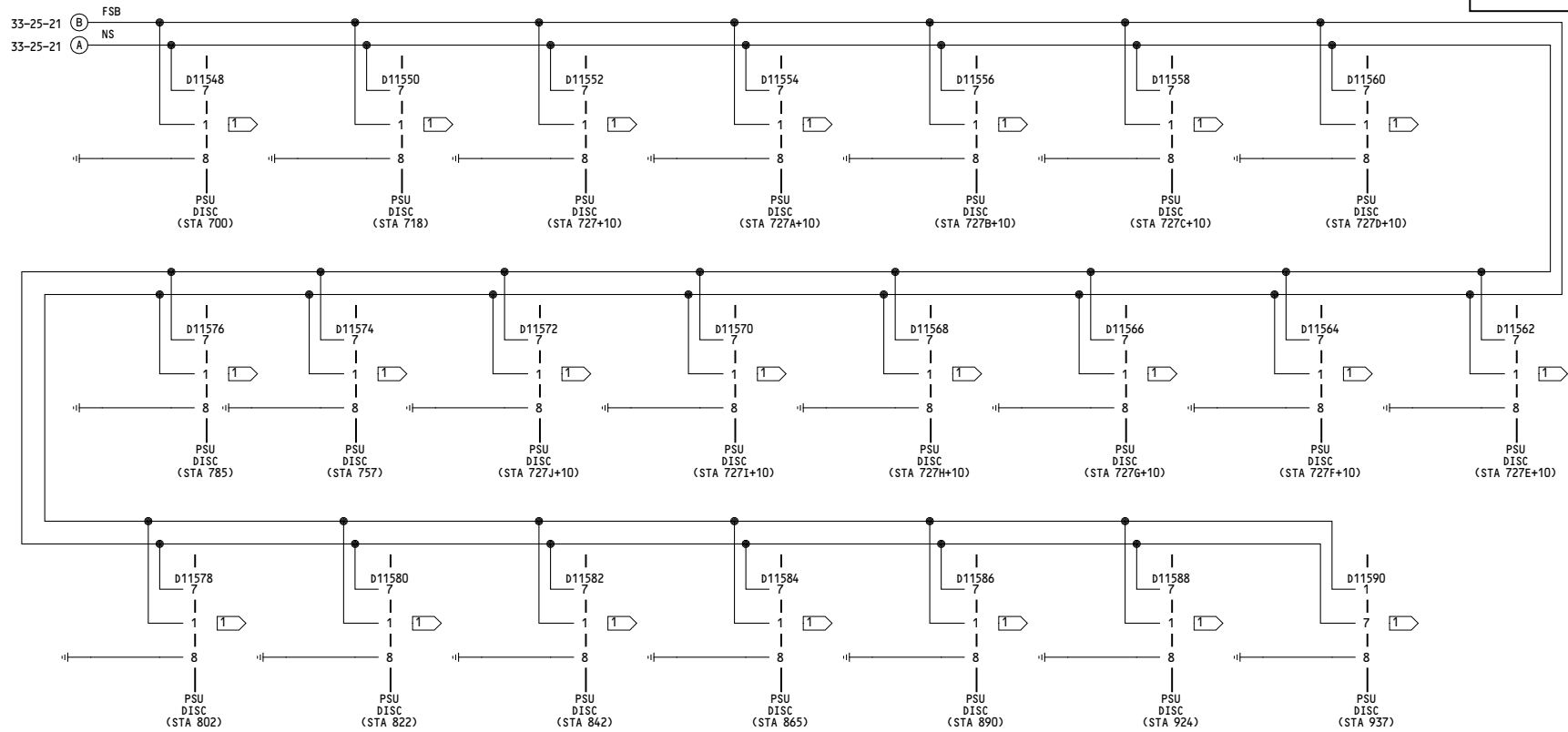
PASS SIGNS -  
PSU LEFT FWD

D280A451

33-25-21

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-E  
2WIRING DIAGRAMS  
33-25-22

## NOTES

1 MATE WITH PASSENGER SERVICE UNIT IF INSTALLED

ALL

PASS SIGNS -  
PSU LEFT AFT

D280A451

33-25-22

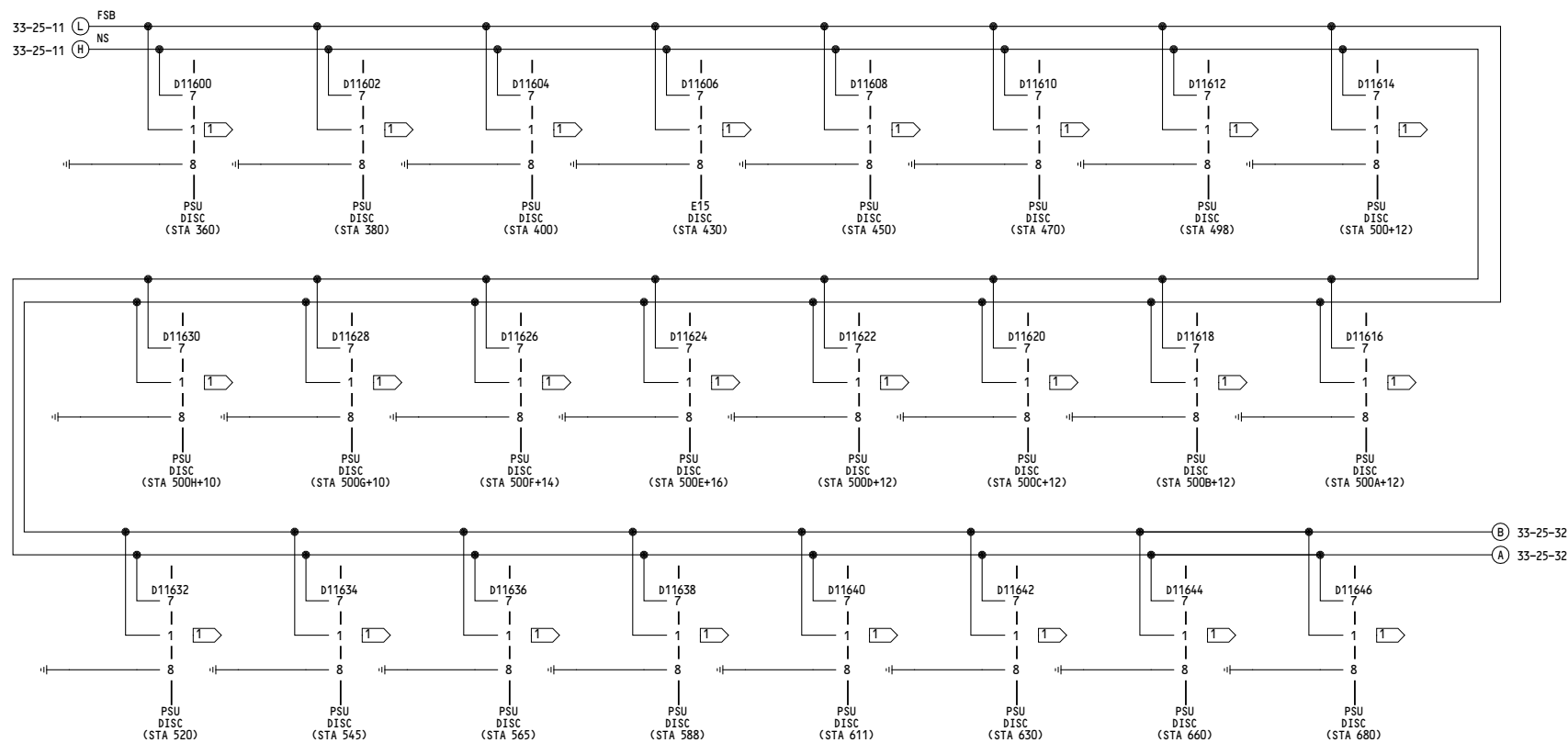
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2

WIRING DIAGRAMS

33-25-31



## NOTES

1 MATE WITH PASSENGER SERVICE UNIT IF INSTALLED

ALL

PASS SIGNS -  
PSU RIGHT FWD

D280A451

33-25-31

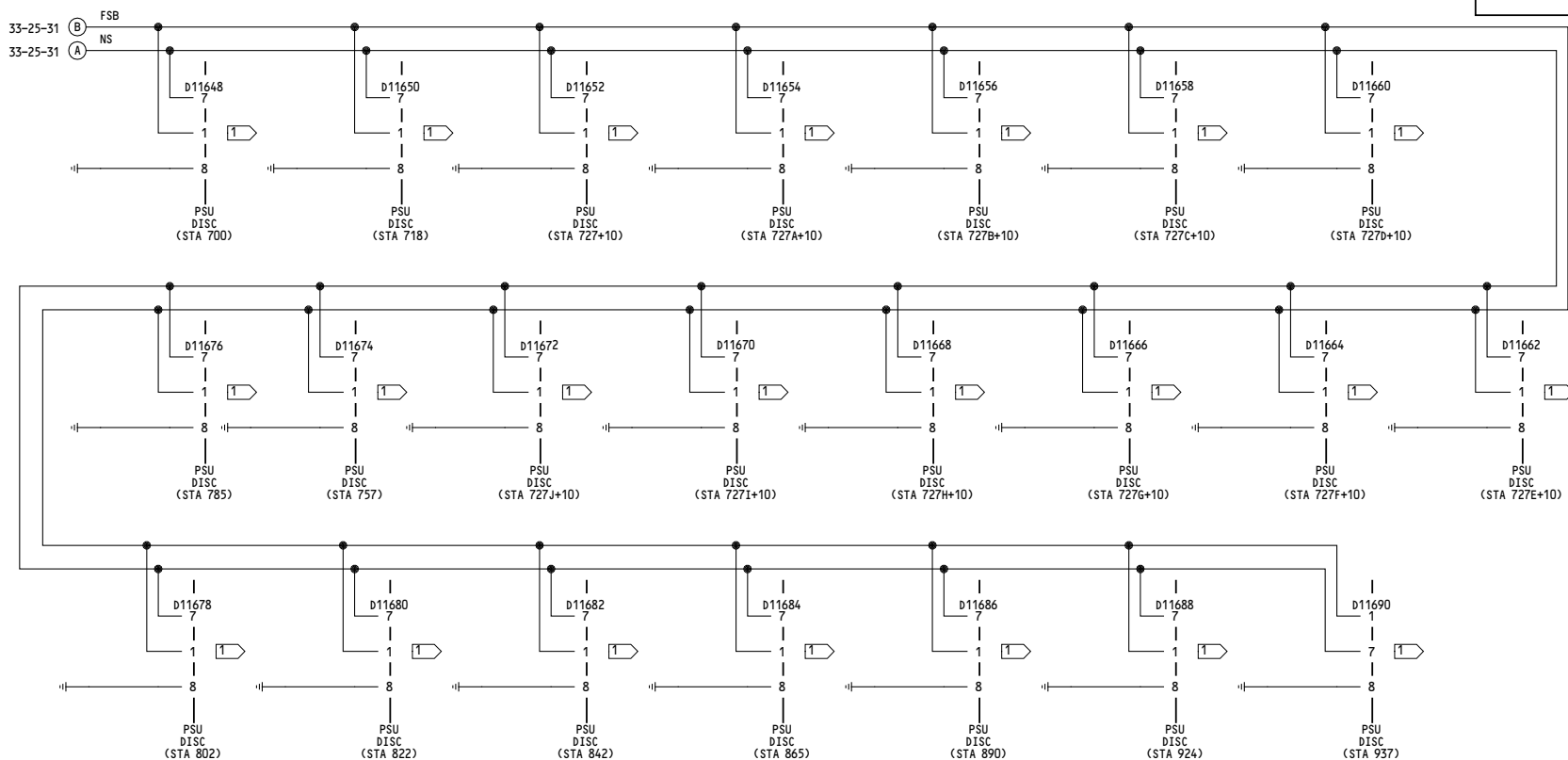
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2

WIRING DIAGRAMS

33-25-32



## NOTES

1 MATE WITH PASSENGER SERVICE UNIT IF INSTALLED

ALL

PASS SIGNS -  
PSU RIGHT AFT

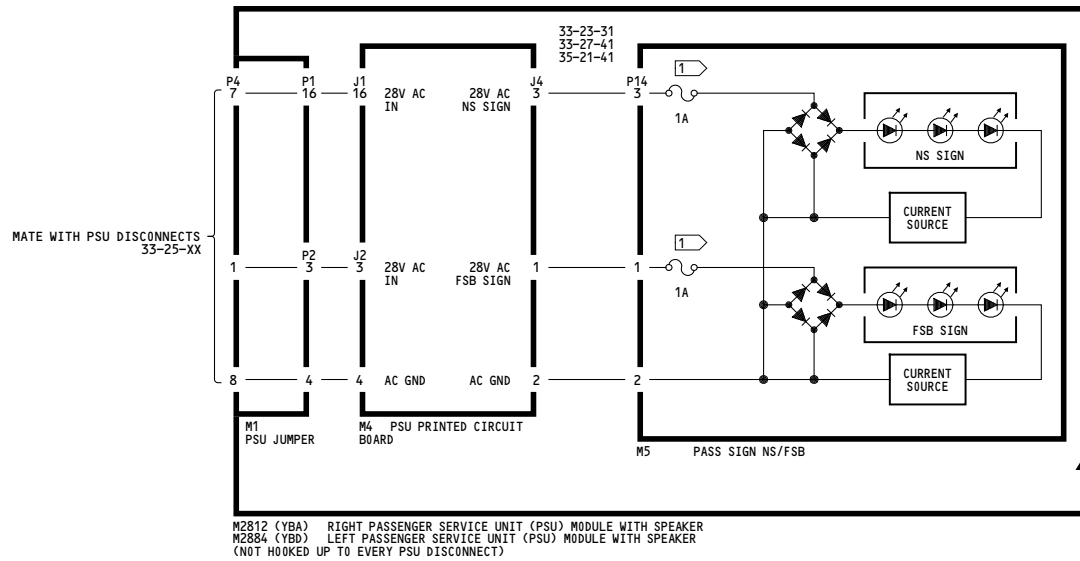
D280A451

33-25-32

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**NOTES:**

1 FUSES ARE NON REPLACEABLE.

1. M5 IS A REMOVE/REPLACE ITEM.

ALL

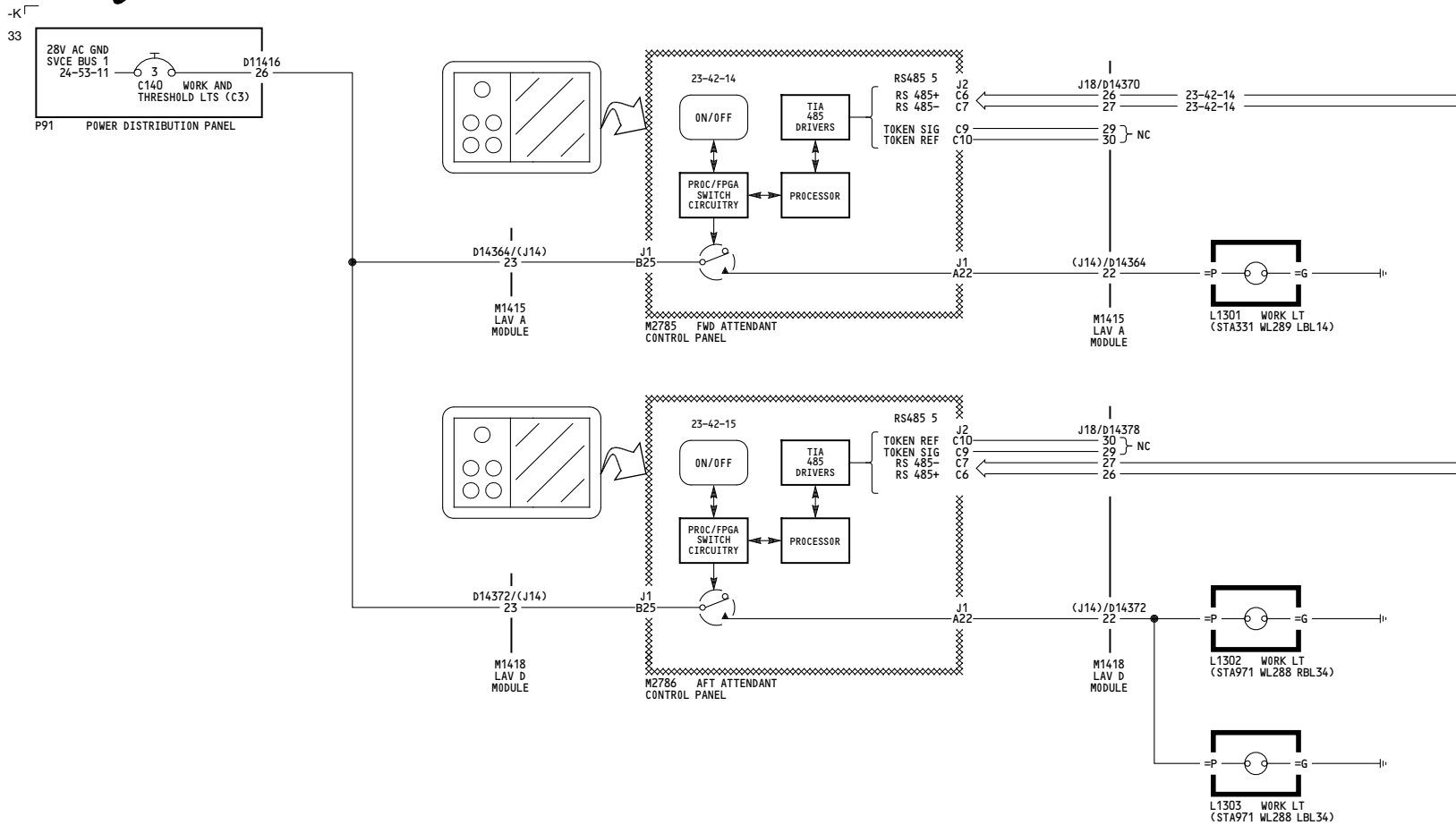
**NO SMOKING/FASTEN  
SEAT BELT SIGNS -  
PASS SERVICE UNIT**

D280A451

**33-25-41**

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ALL

ATTENDANT WORK LIGHTS

D280A451

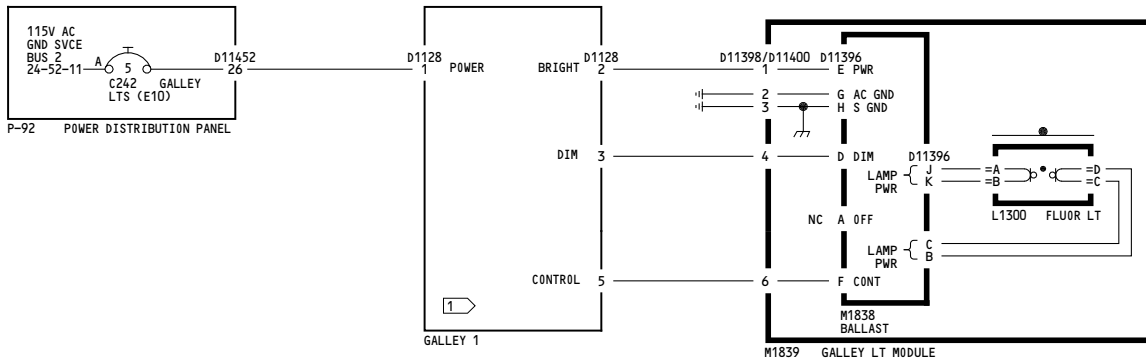
33-26-11

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-L  
1



BALLAST OPERATION		
OFF	PINS F-A	PINS F-D
DIM	SHORT	ANY
BRT	OPEN	SHORT
	OPEN	OPEN

WIRING DIAGRAMS
33-26-21

NOTES:

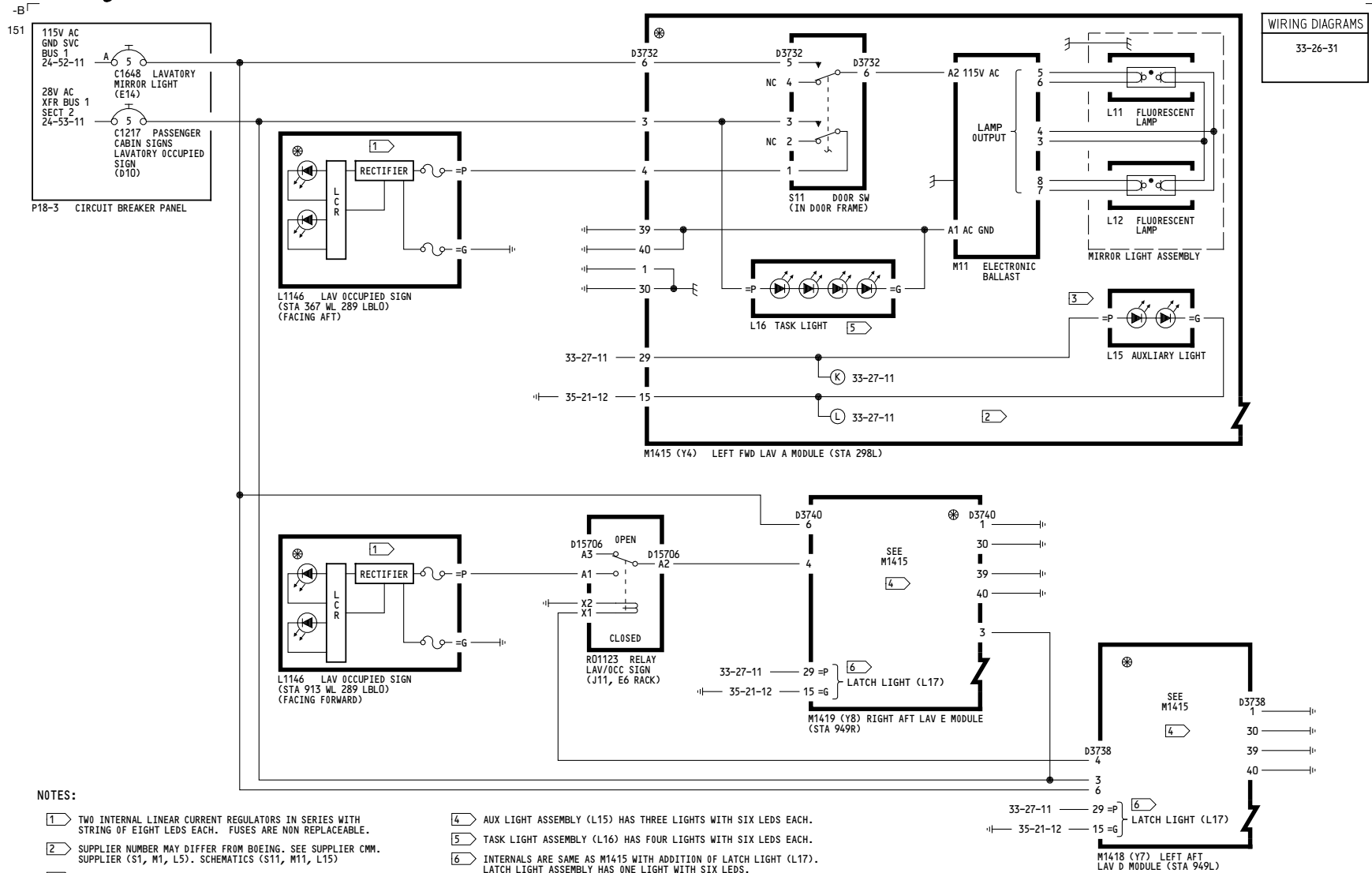
- 1 EITHER A 3 POSITION TOGGLE OR ROTARY SWITCH OR  
2 PUSH BUTTON SWITCH (ON/OFF & BRIGHT/DIM)  
WILL BE USED TO CONTROL GALLEY G1 LIGHT.

ALL	GALLEY LIGHTS
	D280A451

33-26-21

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## NOTES:

- 1 TWO INTERNAL LINEAR CURRENT REGULATORS IN SERIES WITH STRING OF EIGHT LEDS EACH. FUSES ARE NON REPLACEABLE.
- 2 SUPPLIER NUMBER MAY DIFFER FROM BOEING. SEE SUPPLIER CMM. SUPPLIER (S1, M1, L5). SCHEMATICS (S11, M11, L15)
- 3 AUX LIGHT ASSEMBLY (L15) HAS TWO LIGHTS WITH SIX LEDS EACH.
- 4 AUX LIGHT ASSEMBLY (L15) HAS THREE LIGHTS WITH SIX LEDS EACH.
- 5 TASK LIGHT ASSEMBLY (L16) HAS FOUR LIGHTS WITH SIX LEDS EACH.
- 6 INTERNALS ARE SAME AS M1415 WITH ADDITION OF LATCH LIGHT (L17). LATCH LIGHT ASSEMBLY HAS ONE LIGHT WITH SIX LEDS.

YT101-YT118, YT126-YT131

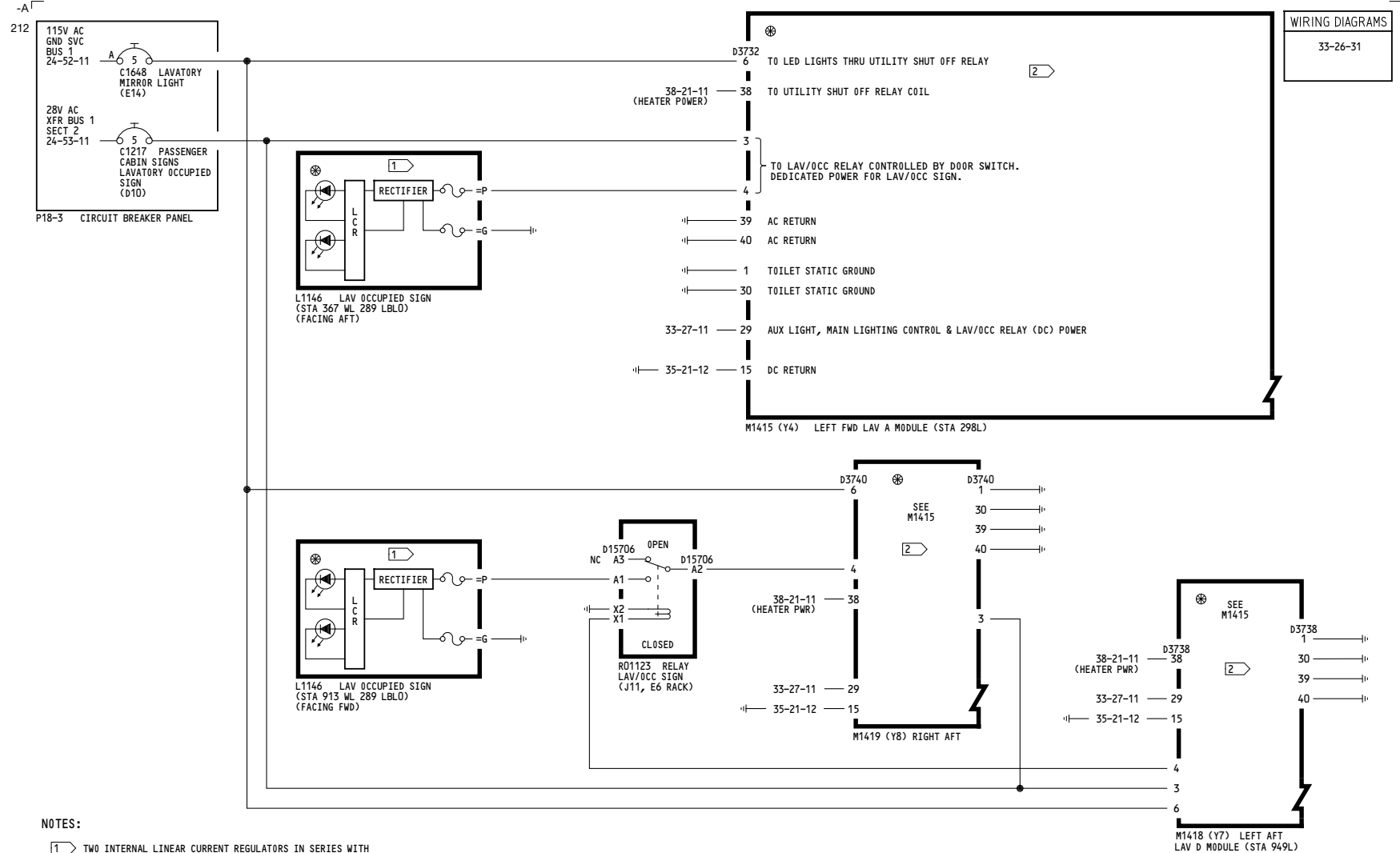
## LAVATORY LIGHTS AND SIGNS

D280A451

33-26-31

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YT119-YT120, YT132-YT133

LAVATORY LIGHTS AND SIGNS

D280A451

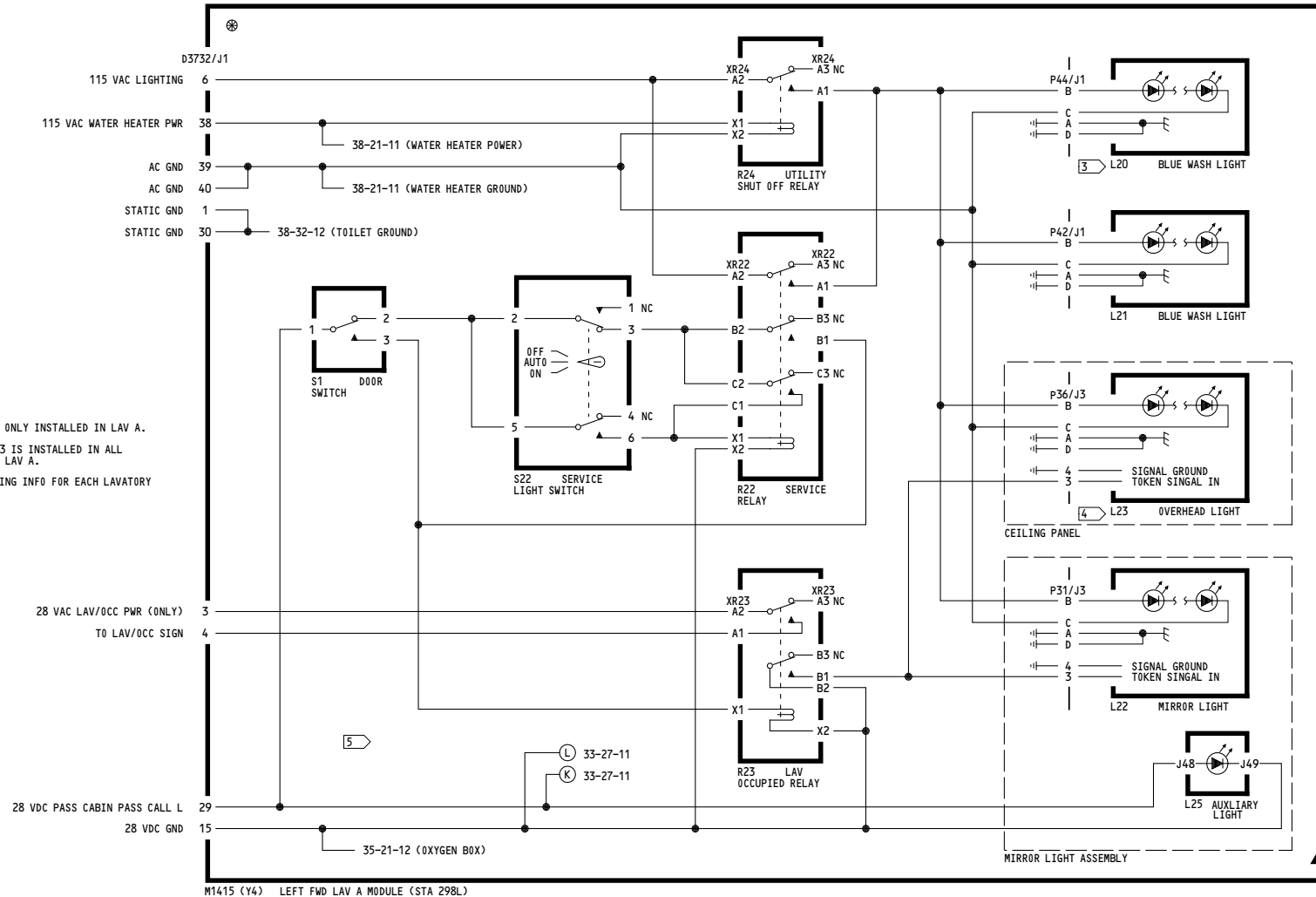
**33-26-31**

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Sheet 1  
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-D  
1

## NOTES:

- 3 WASH LIGHT L20 IS ONLY INSTALLED IN LAV A.
- 4 OVERHEAD LIGHT L23 IS INSTALLED IN ALL LAVATORIES EXCEPT LAV A.
- 5 EQUIPMENT AND WIRING INFO FOR EACH LAVATORY SEE SUPPLIER CMM.



M1415 (Y4) LEFT FWD LAV A MODULE (STA 298L)

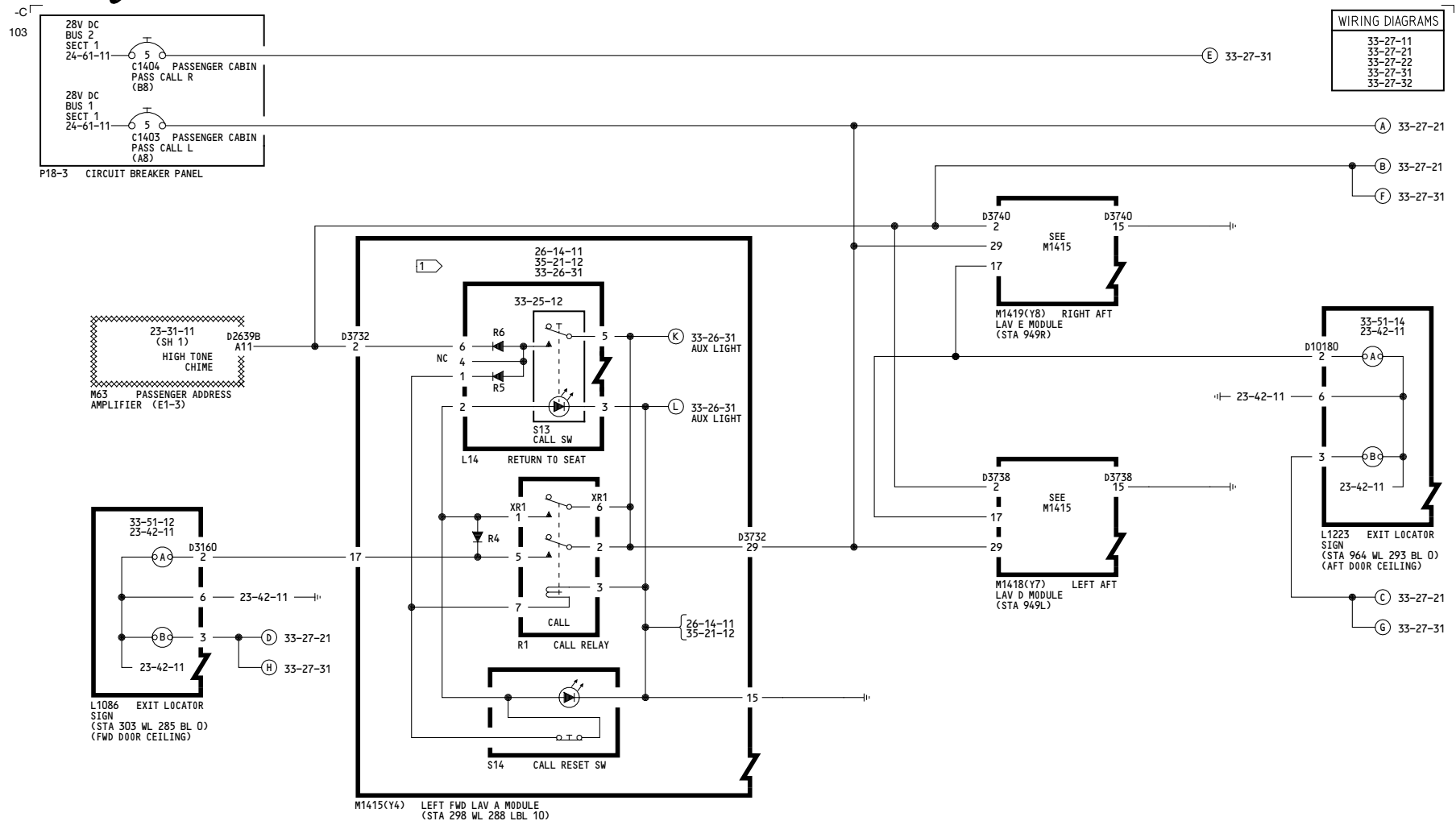
YT119-YT120, YT132-YT133

LAVATORY LIGHTS AND SIGNS

D280A451

33-26-31

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Sheet 2  
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NOTES:

1 SUPPLIER NUMBER MAY DIFFER FROM BOEING. SEE SUPPLIER CMM.  
S3 LEGACY IS S13 & S4 LEGACY IS S14 NEW COMMON LAV.  
L4 LEGACY IS L14 NEW COMMON LAV.

YT101-YT118, YT126-YT131

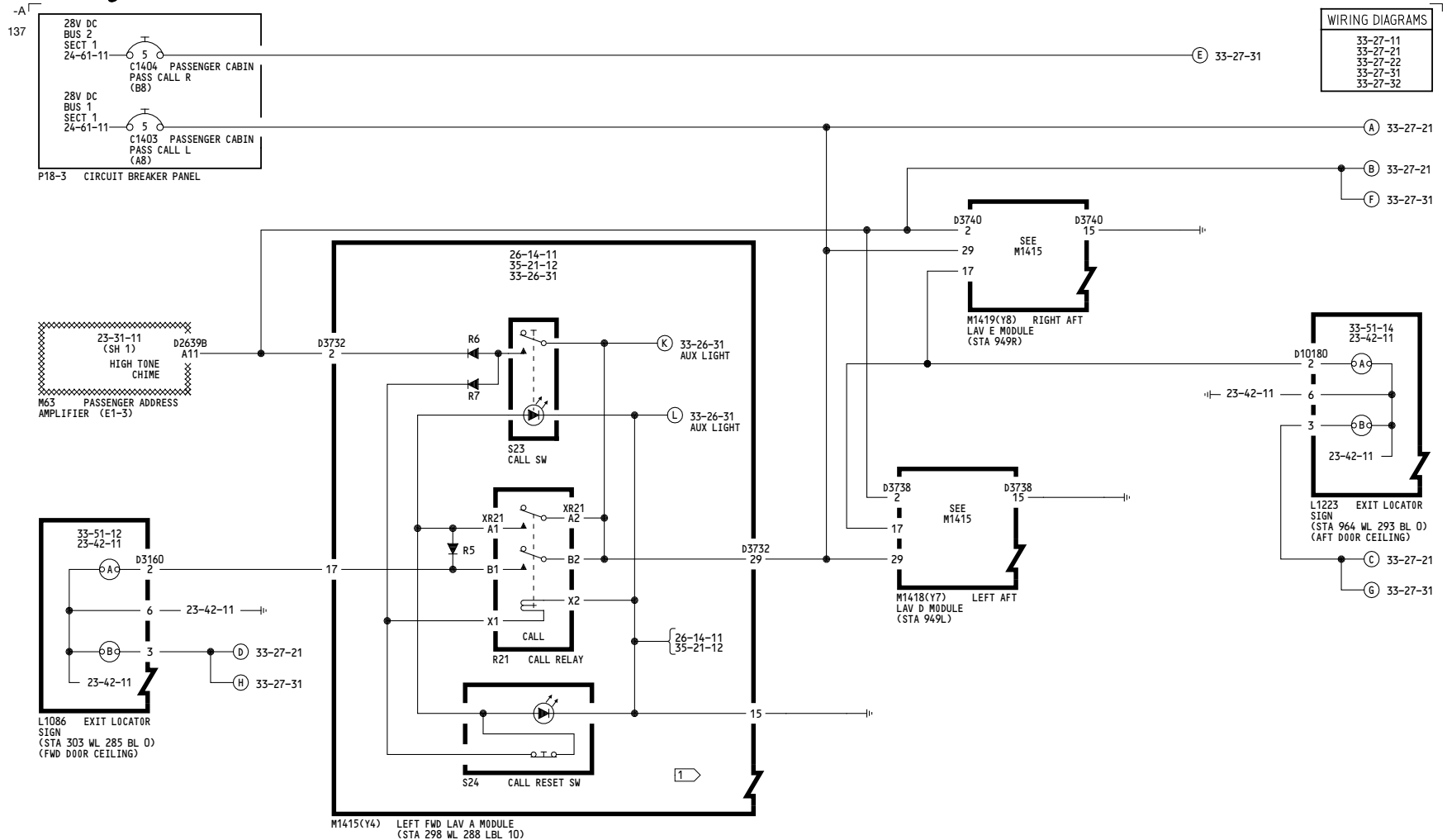
## PASSENGER AND LAVATORY CALL CONTROL

D280A451

**33-27-11**

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NOTES:

1 FOR WIRE DIAGRAM AND PART INFO, SEE SUPPLIER CMM.

YT119-YT120, YT132-YT133

## PASSENGER AND LAVATORY CALL CONTROL

D280A451

**33-27-11**

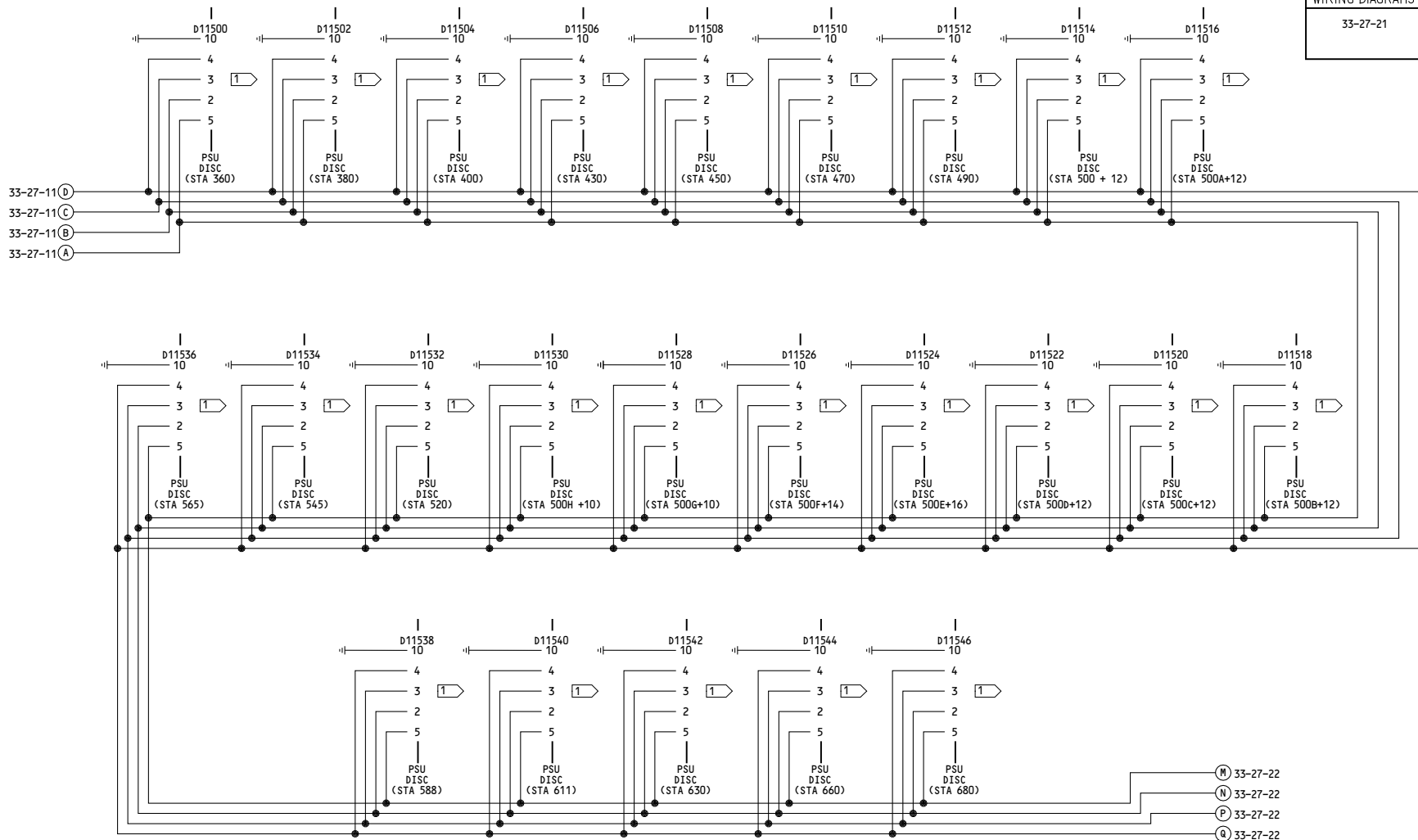
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WIRING DIAGRAMS  
33-27-21



ALL

PASSENGER AND LAVATORY  
CALL - LEFT FWD

D280A451

33-27-21

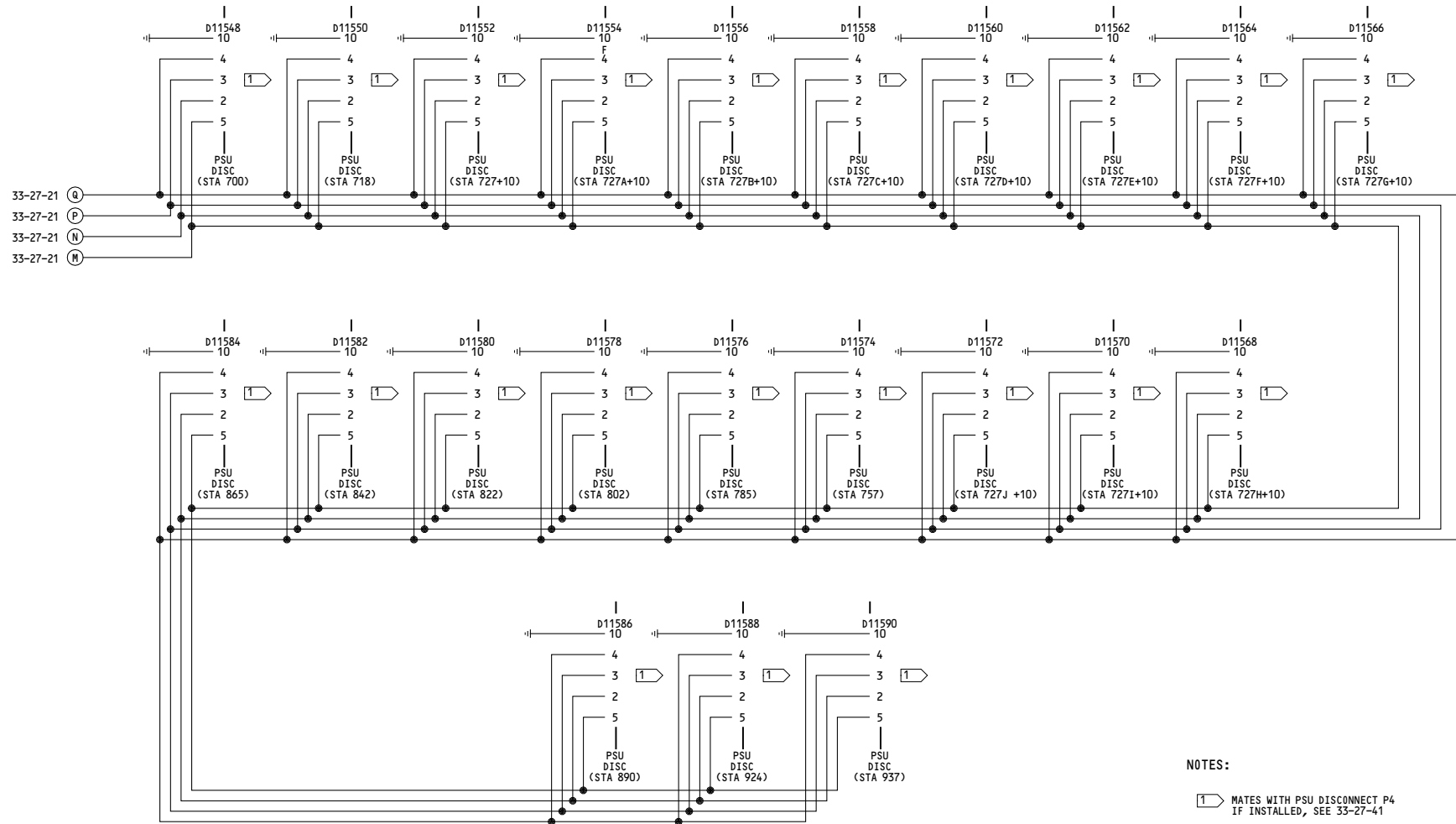
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2

WIRING DIAGRAMS

33-27-22



## NOTES:

1 MATES WITH PSU DISCONNECT P4  
IF INSTALLED, SEE 33-27-41

ALL

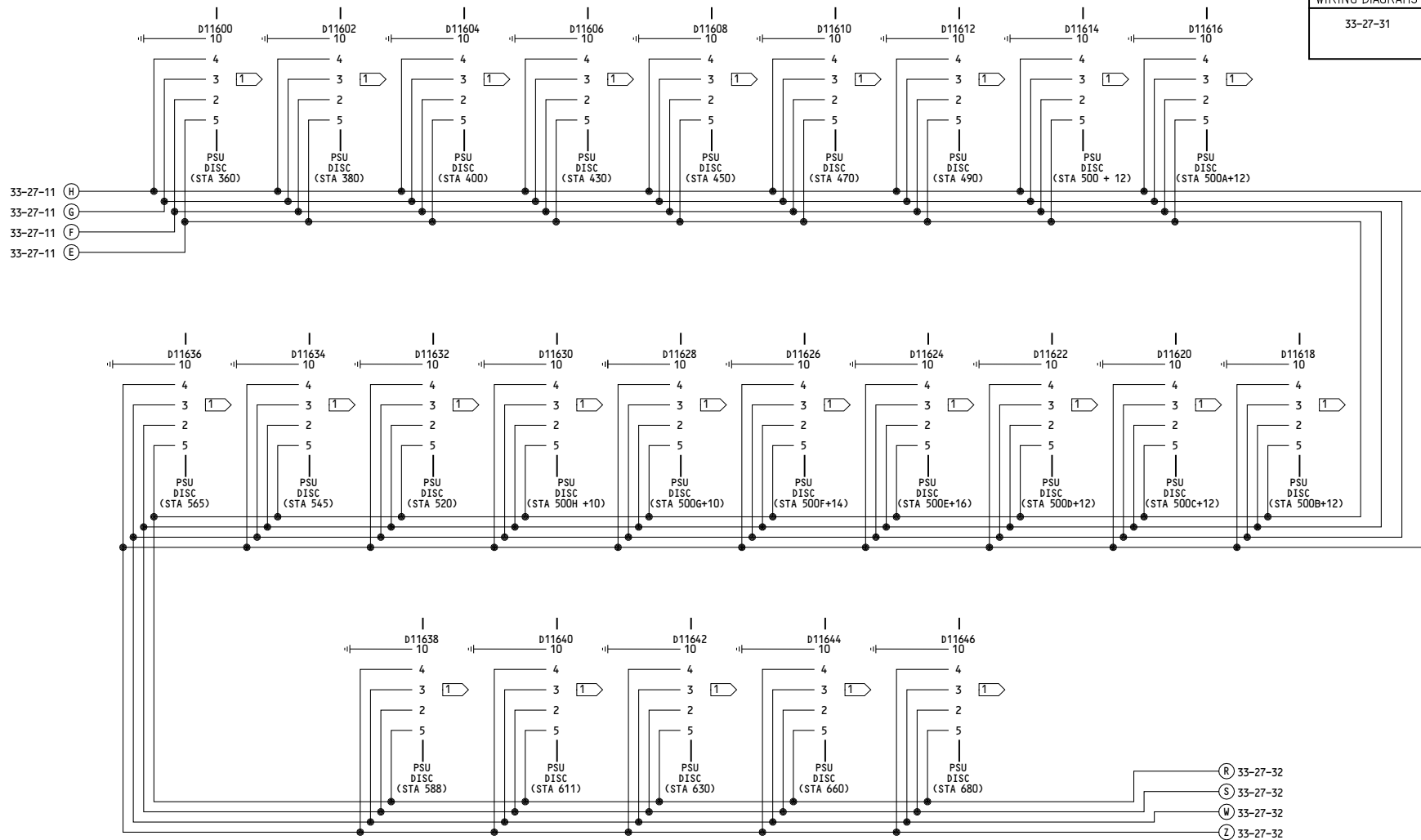
**PASSENGER AND LAVATORY  
CALL - LEFT AFT**

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**33-27-22**

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2WIRING DIAGRAMS  
33-27-31

ALL

PASSENGER AND LAVATORY  
CALL - RIGHT FWD

D280A451

33-27-31

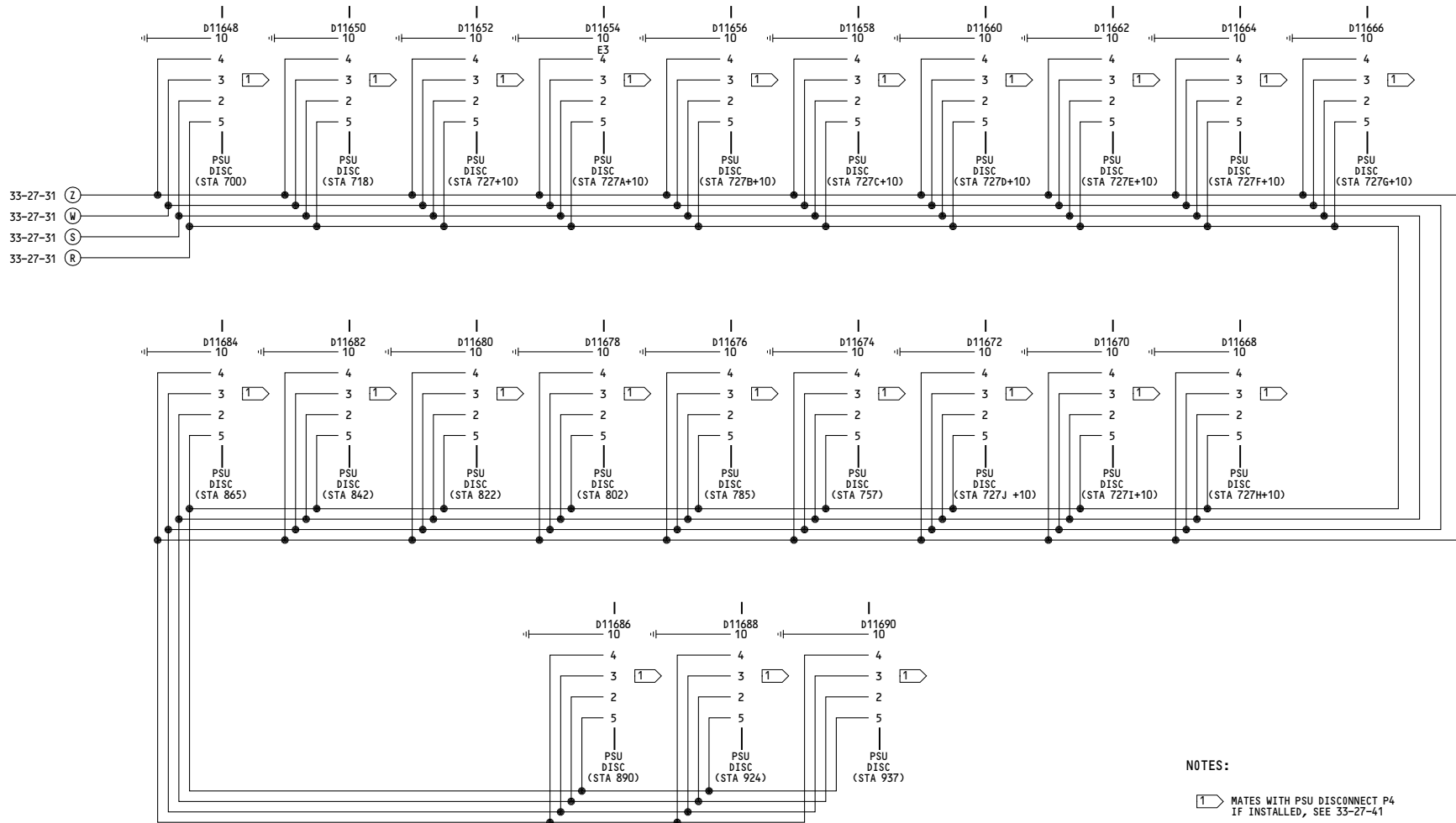
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WIRING DIAGRAMS

33-27-32



ALL

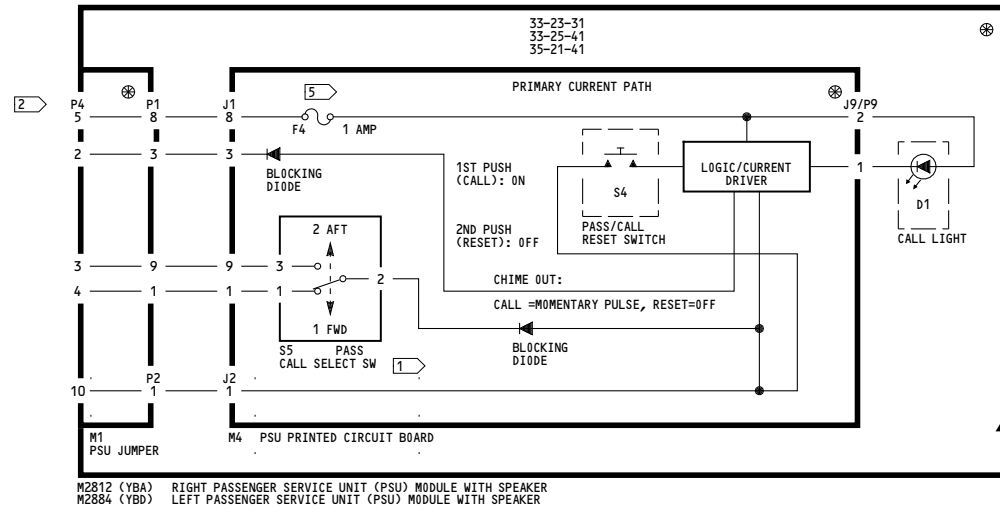
PASSENGER AND LAVATORY  
CALL - RIGHT AFT

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33-27-32

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**NOTES:**

1 FOR MULTI CLASS CONFIGURATION:  
MOVE SWITCH S5 TO POSITION 1  
FOR PSUS FWD OF CLASS PARTITION  
MOVE SWITCH S5 TO POSITION 2  
FOR PSUS AFT OF CLASS PARTITION

FOR SINGLE CLASS CONFIGURATION:  
MOVE SWITCH S5 TO POSITION 1  
FOR FWD HALF OF PSUS  
MOVE SWITCH S5 TO POSITION 2  
FOR AFT HALF OF PSUS

2 P4 MATES WITH PSU DISCONNECT DXXXXX  
(SEE 33-27-2X AND 33-27-3X)

5 FUSE IS REPLACEABLE

ALL	<b>PASSENGER AND LAVATORY CALL - PSU</b>
	D280A451

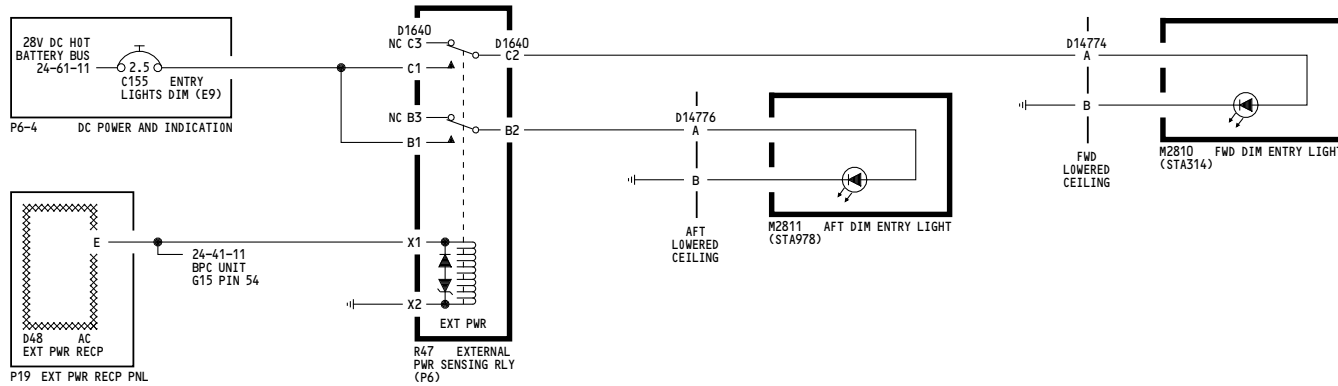
**33-27-41**

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WIRING DIAGRAMS  
33-29-11



**NOTES:**

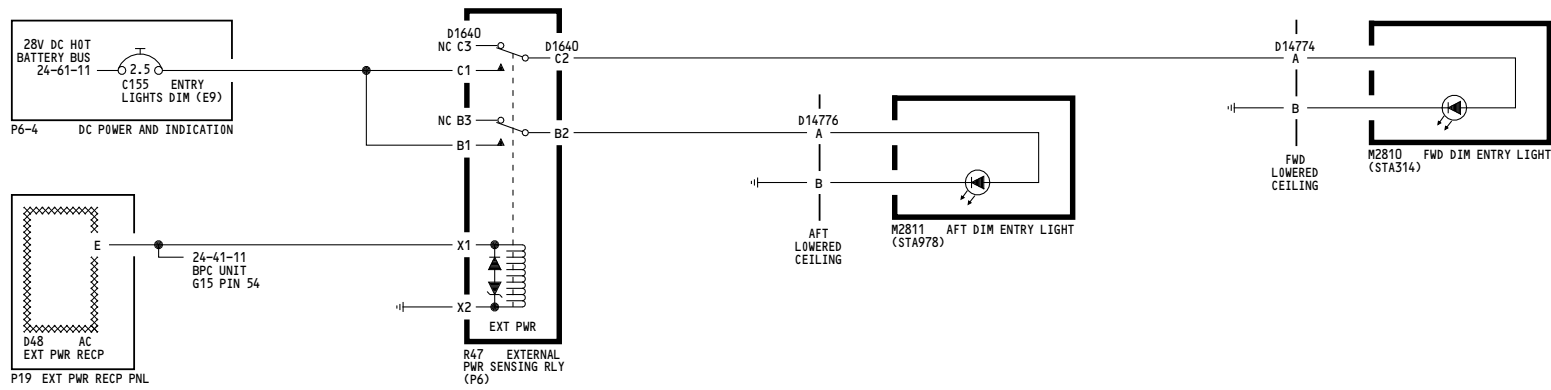
- 1 COLLAR AND LABEL "INOP".
- 2 NOT USED FOR LED LIGHTING, LEGACY CONNECTION.
- 3 TAPE AND STOW WIRE.

YT101-YT118, YT126-YT131	<b>ENTRY LIGHTS</b>
	D280A451

**33-29-11**

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NOTES:

YT119-YT120, YT132-YT133	ENTRY LIGHTS
	D280A451

**33-29-11**

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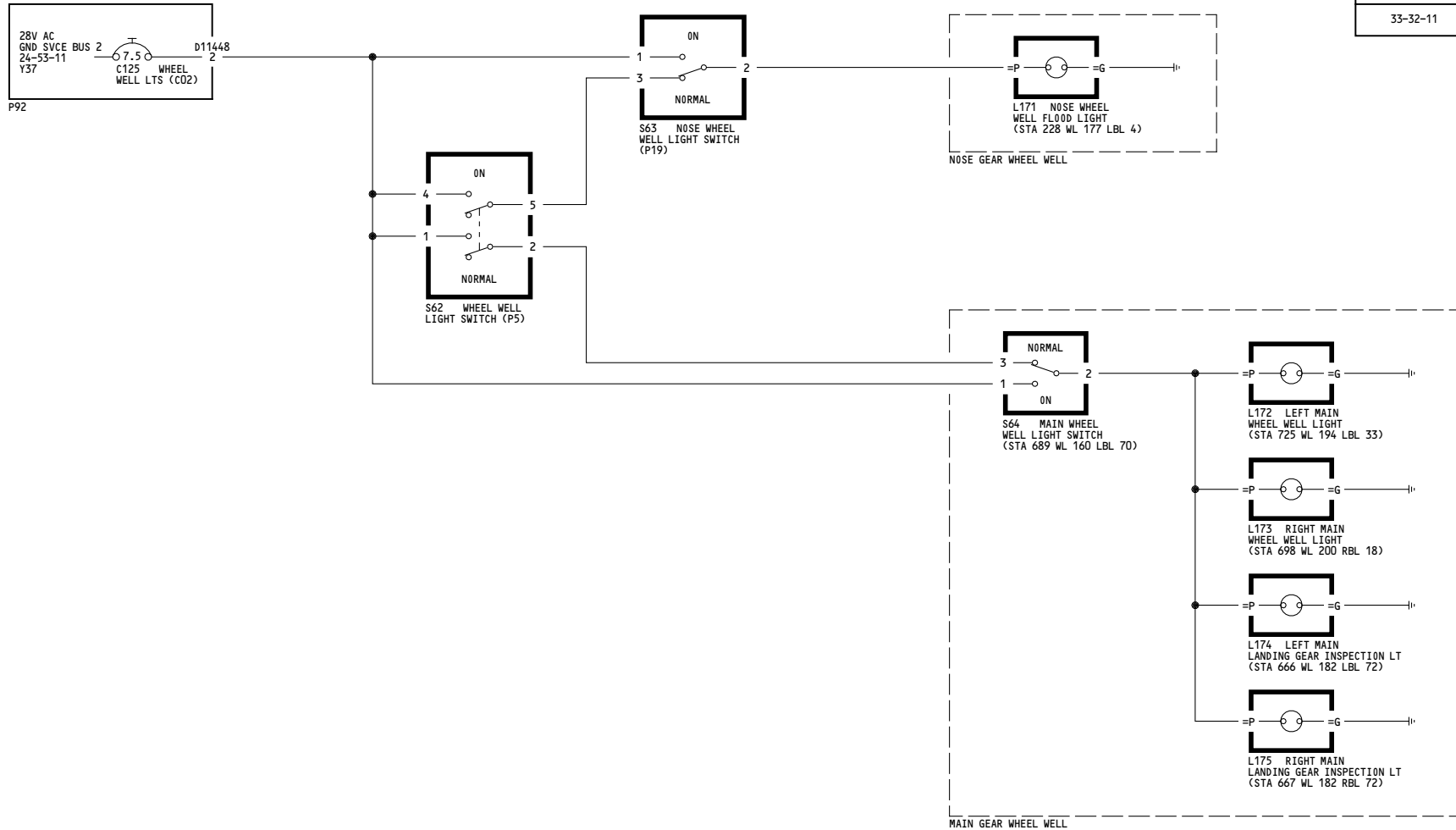


## 737-800 SYSTEM SCHEMATIC MANUAL

### WIRING DIAGRAMS

33-32-11

2



YT101-YT111, YT126-YT130

### SERVICE LIGHTING - WHEEL WELLS

D280A451

33-32-11

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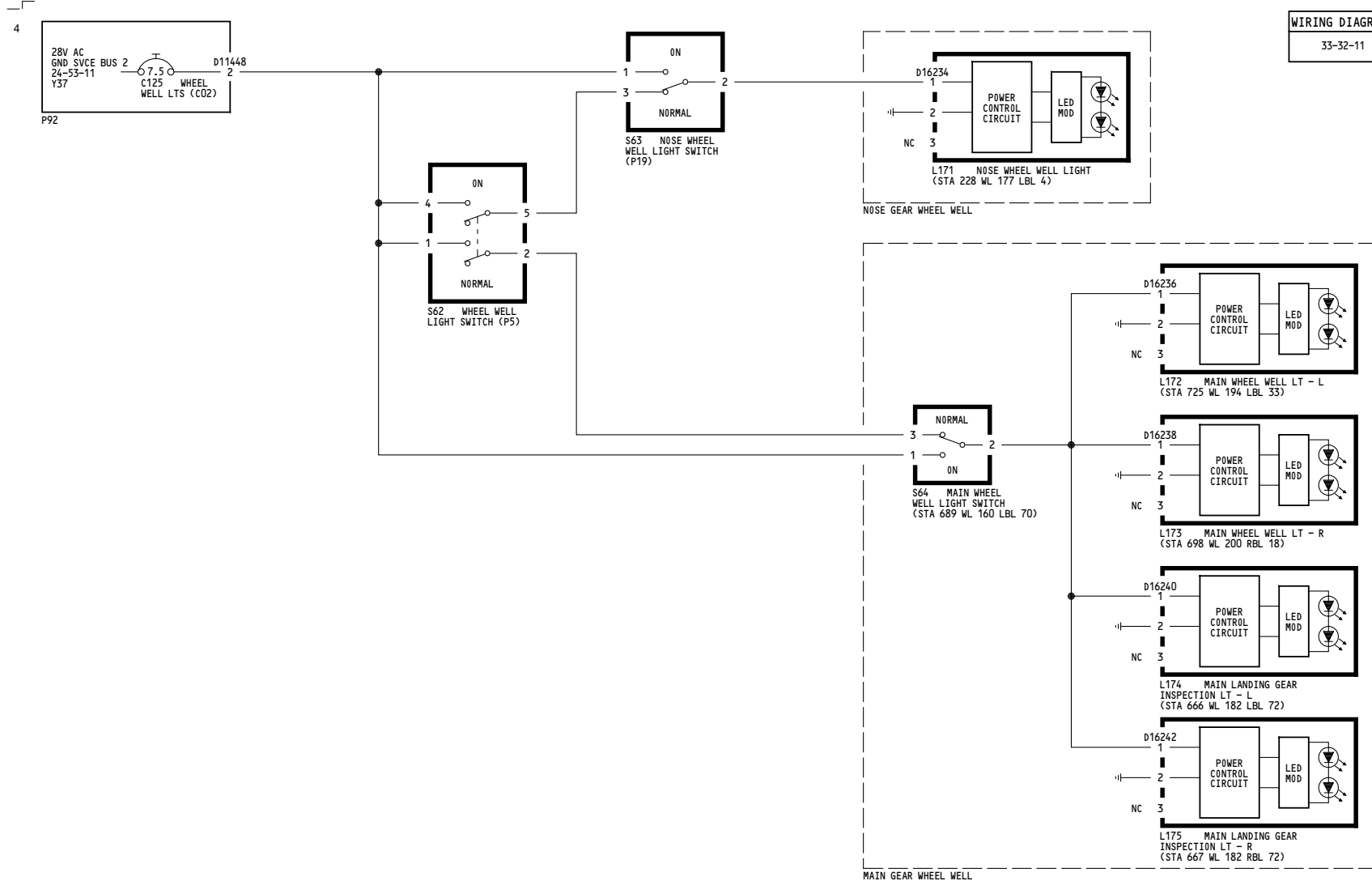
Jan 12/2015





## 737-800 SYSTEM SCHEMATIC MANUAL

WIRING DIAGRAMS  
33-32-11



YT112-YT120, YT131-YT133

### SERVICE LIGHTING - WHEEL WELLS

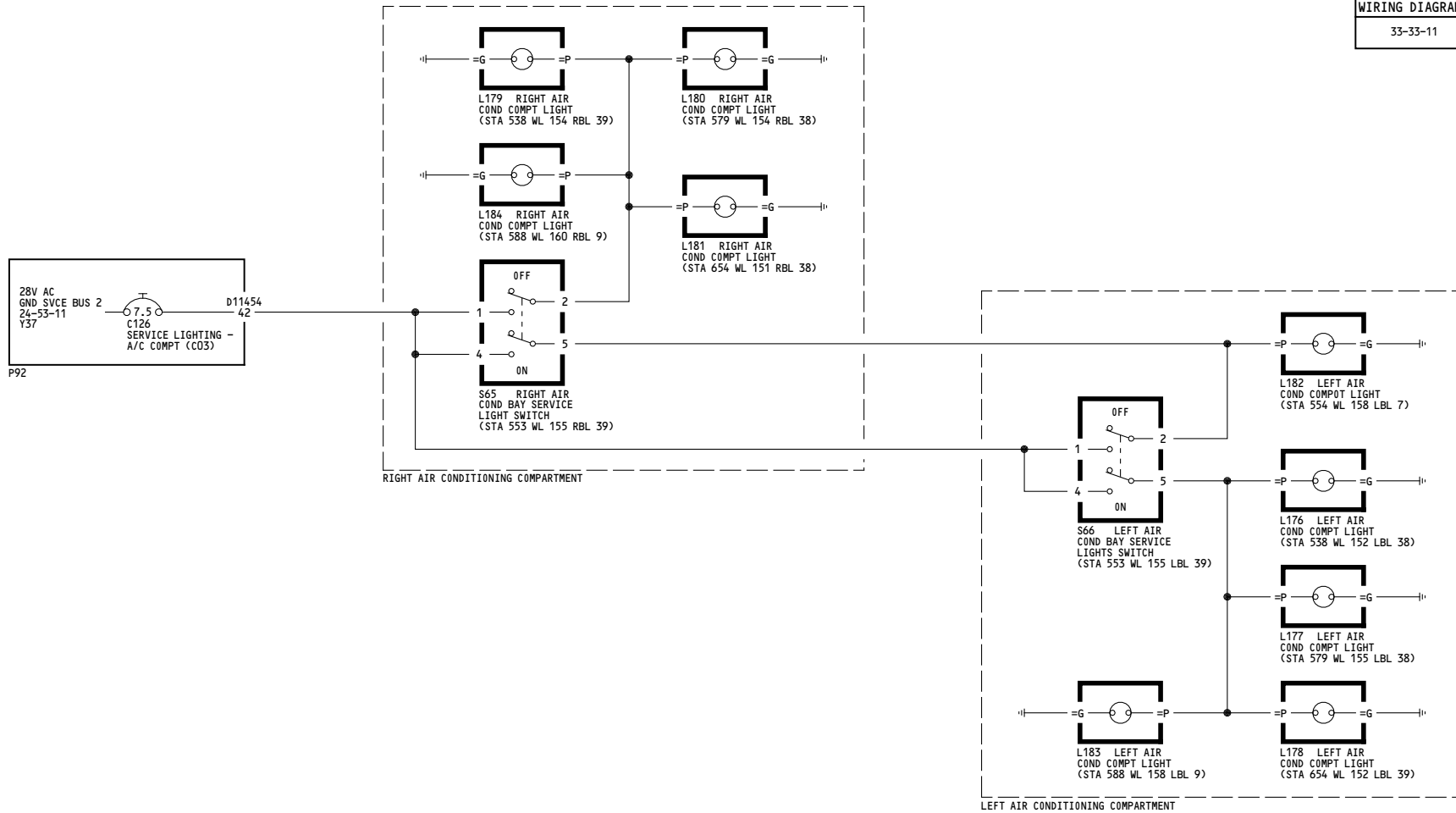
D280A451

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1



YT101-YT111, YT126-YT130

## SERVICE LIGHTING - AIR CONDITIONING COMPARTMENT

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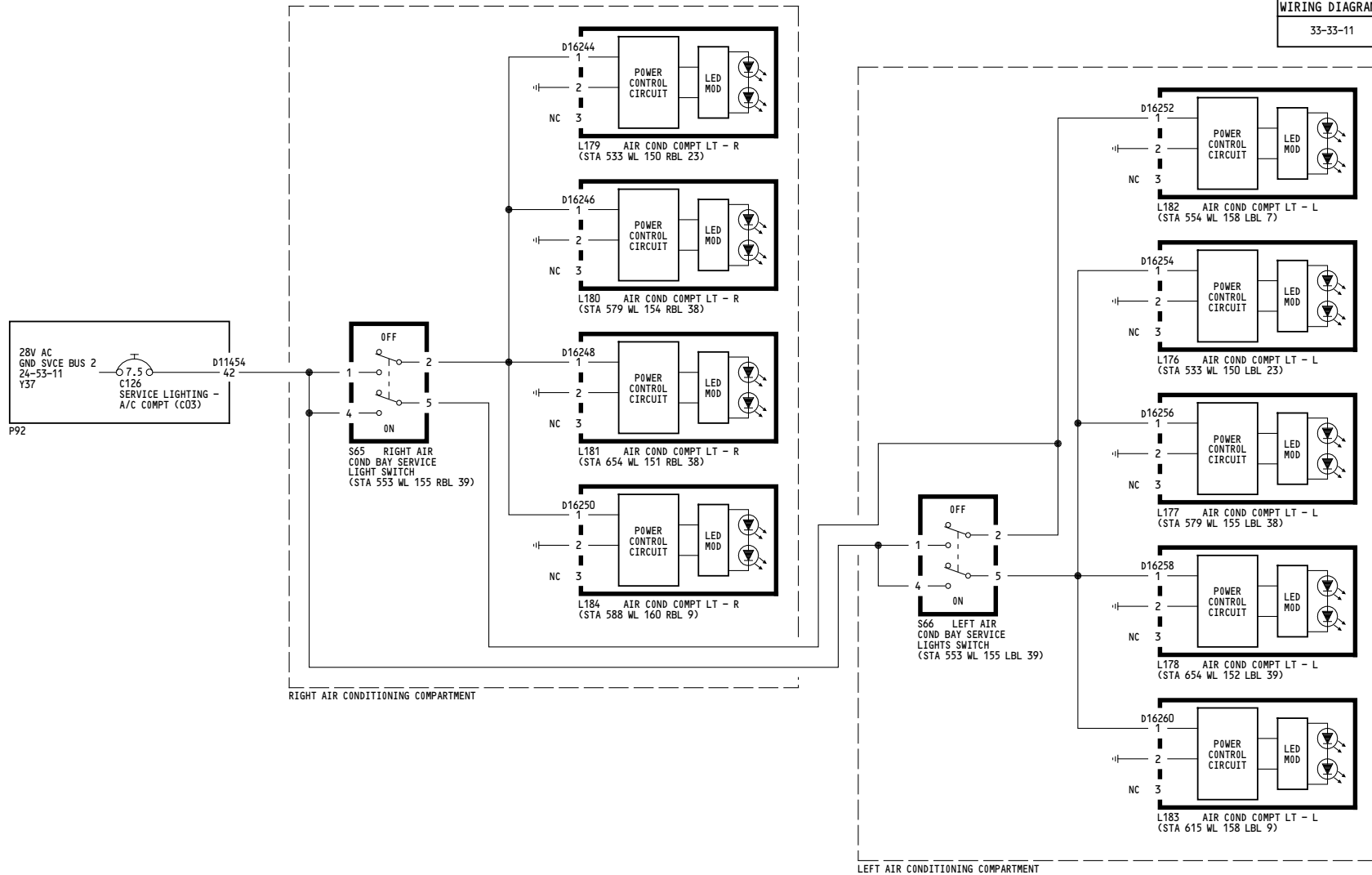
33-33-11

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WIRING DIAGRAMS  
33-33-11



YT112-YT120, YT131-YT133

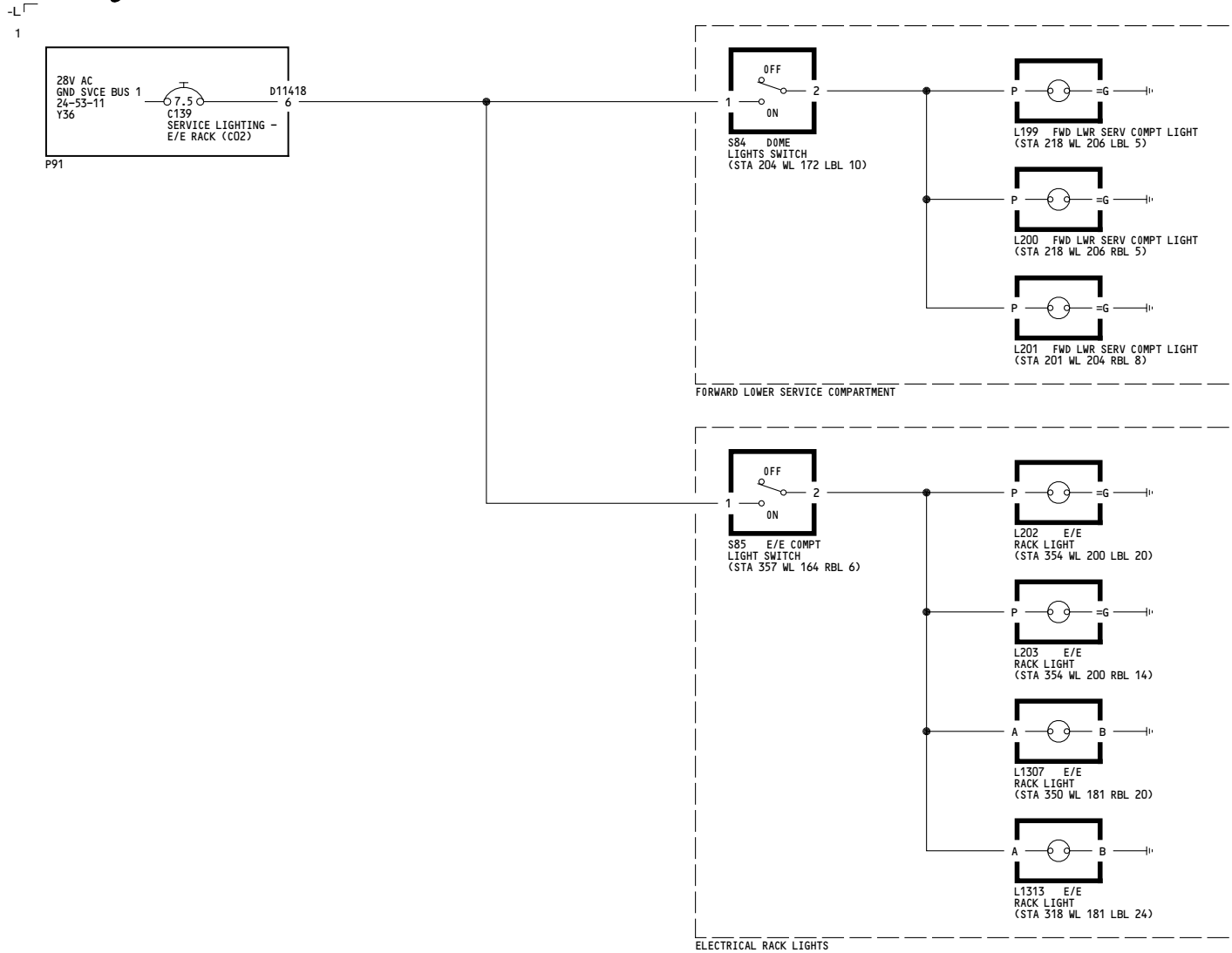
**SERVICE LIGHTING -  
AIR CONDITIONING  
COMPARTMENT**

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YT101-YT111, YT126-YT130

**SERVICE LIGHTING -  
EQUIPMENT RACK FORWARD  
LOWER COMPARTMENT**

D280A451

**33-34-11**

Page 101

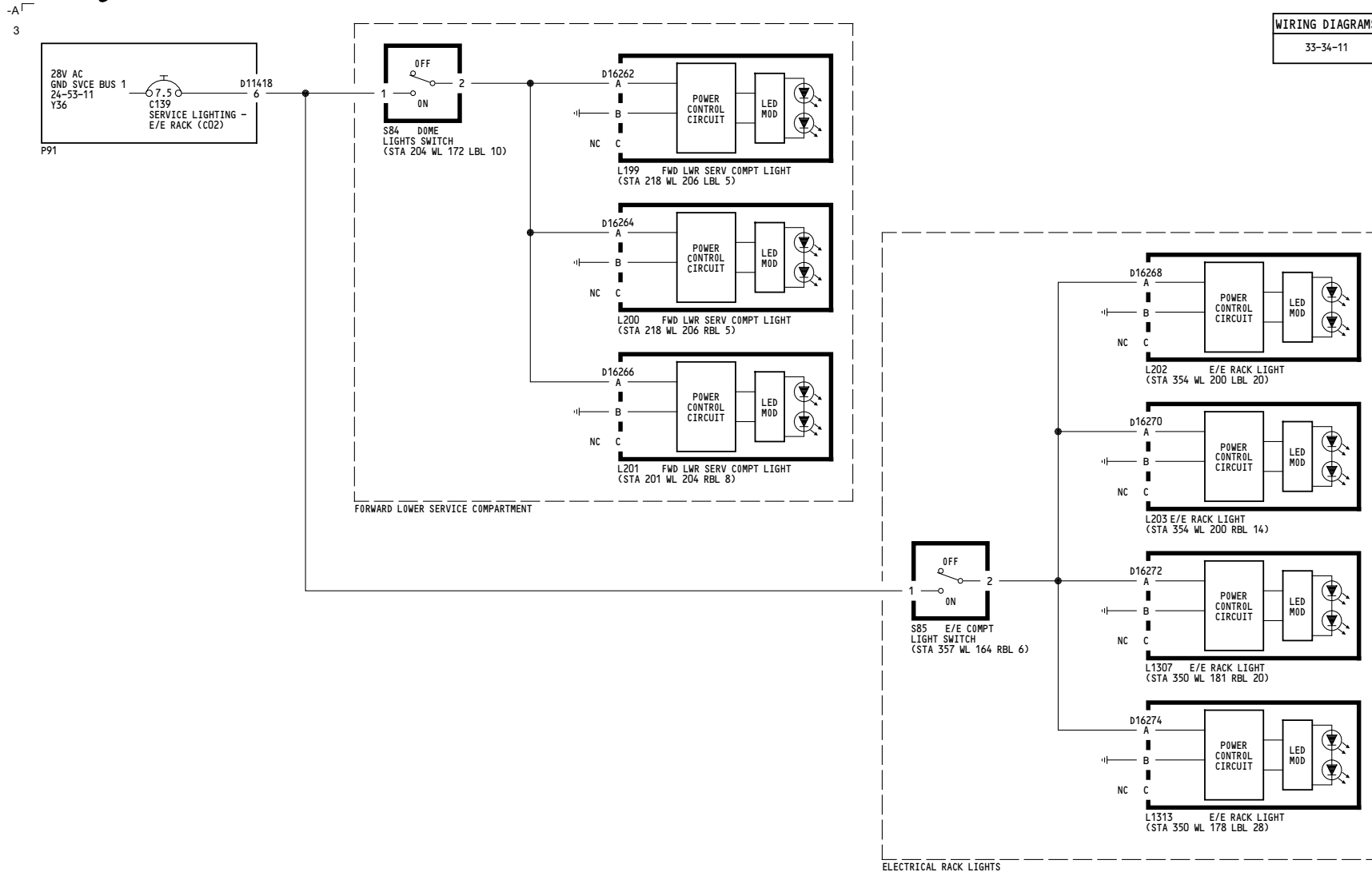
Jan 12/2015



## 737-800 SYSTEM SCHEMATIC MANUAL

### WIRING DIAGRAMS

33-34-11



YT112-YT120, YT131-YT133

### SERVICE LIGHTING - EQUIPMENT RACK FORWARD LOWER COMPARTMENT

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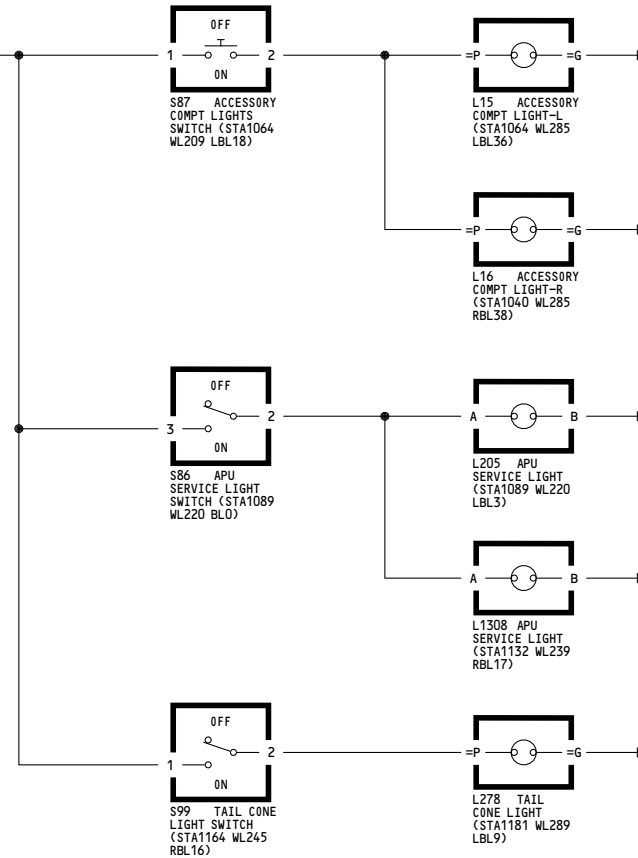
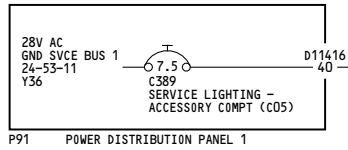
33-34-11

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WIRING DIAGRAMS  
33-35-11

YT101-YT111, YT126-YT130

SERVICE LIGHTING -  
ACCESSORY COMPARTMENT

D280A451

33-35-11

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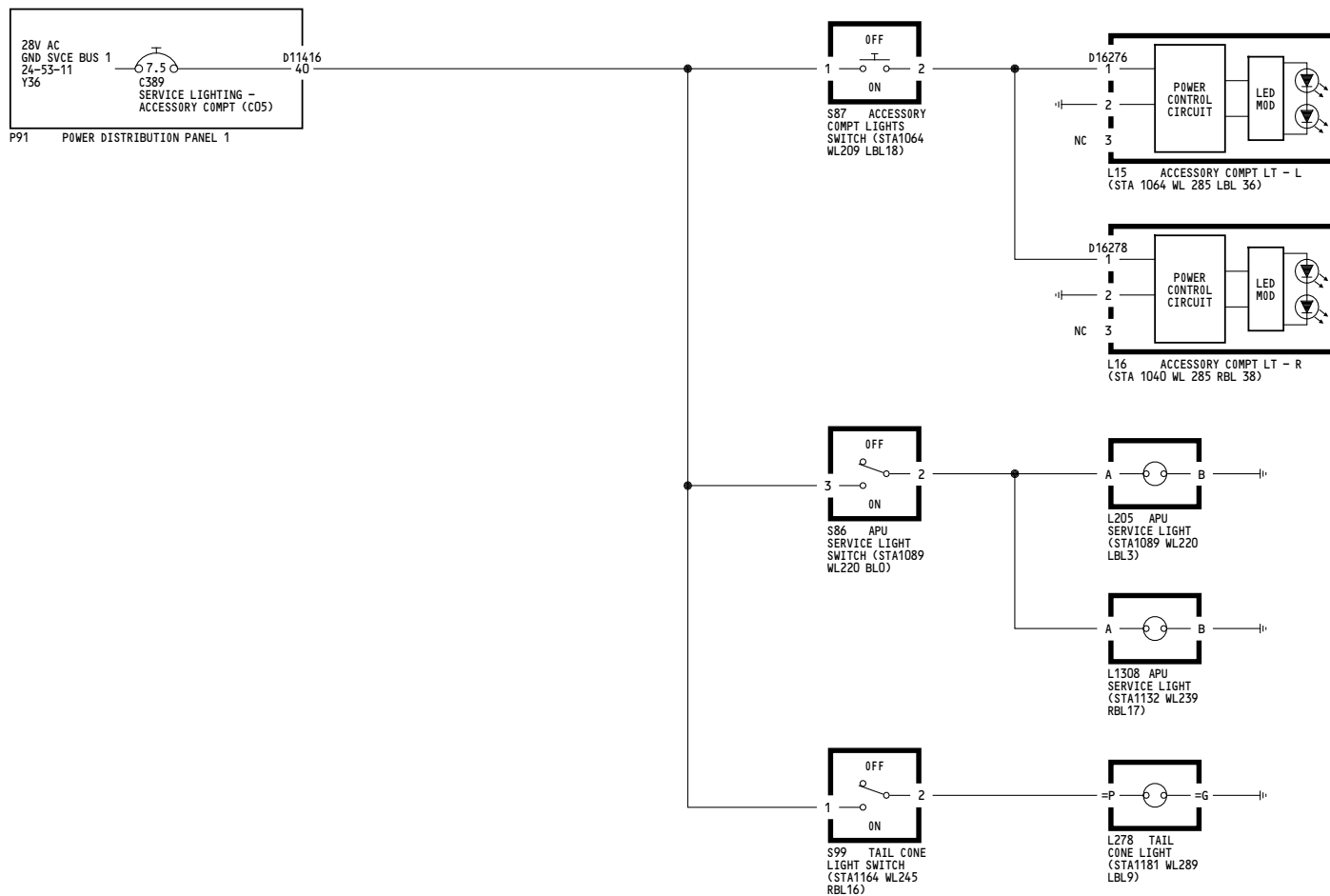


## 737-800 SYSTEM SCHEMATIC MANUAL

WIRING DIAGRAMS

33-35-11

8



YT112-YT120, YT131-YT133

**SERVICE LIGHTING -  
ACCESSORY COMPARTMENT**

D280A451

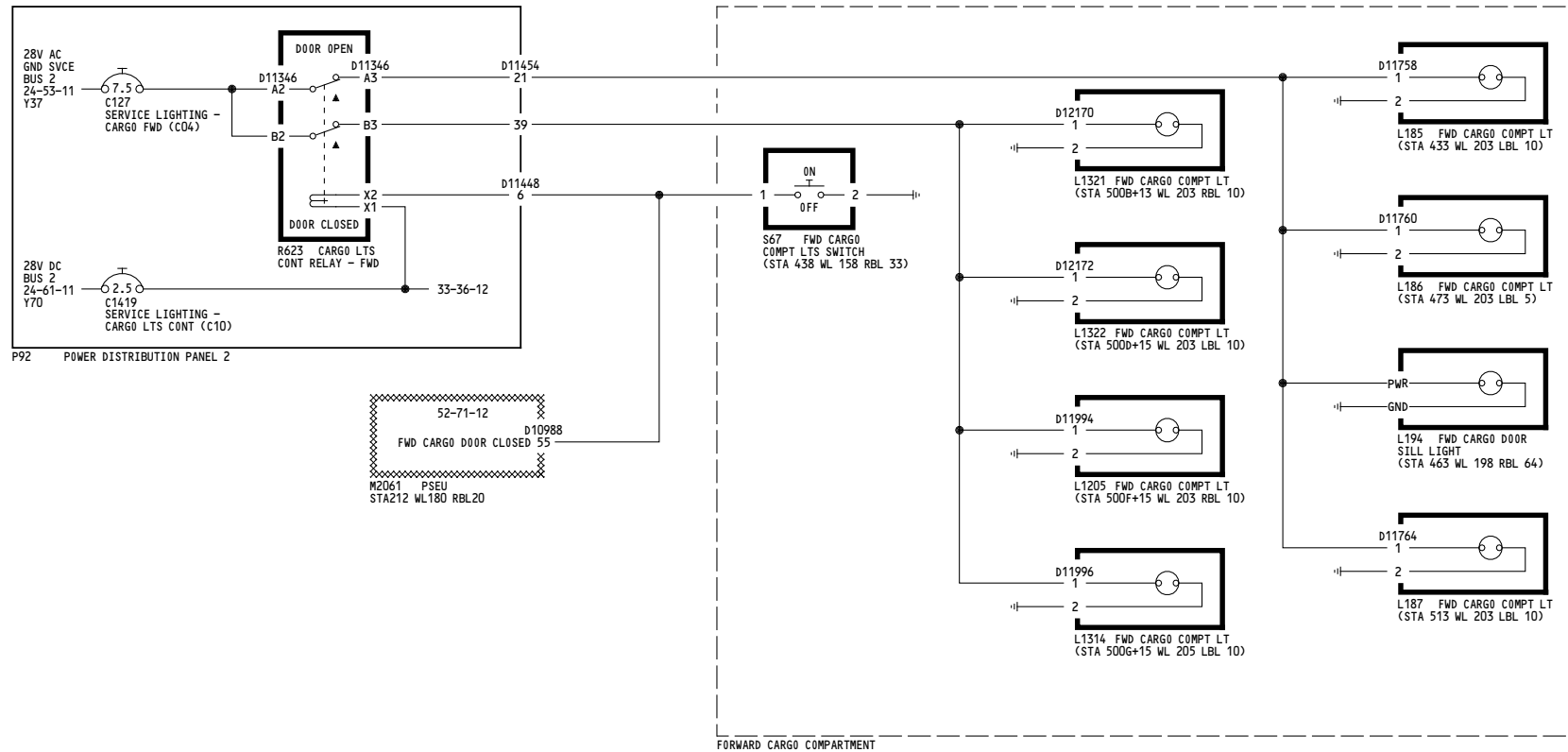
**33-35-11**

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WIRING DIAGRAMS  
33-36-11



YT101-YT111, YT126-YT130

**SERVICE LIGHTING -  
CARGO COMPARTMENT - FWD**

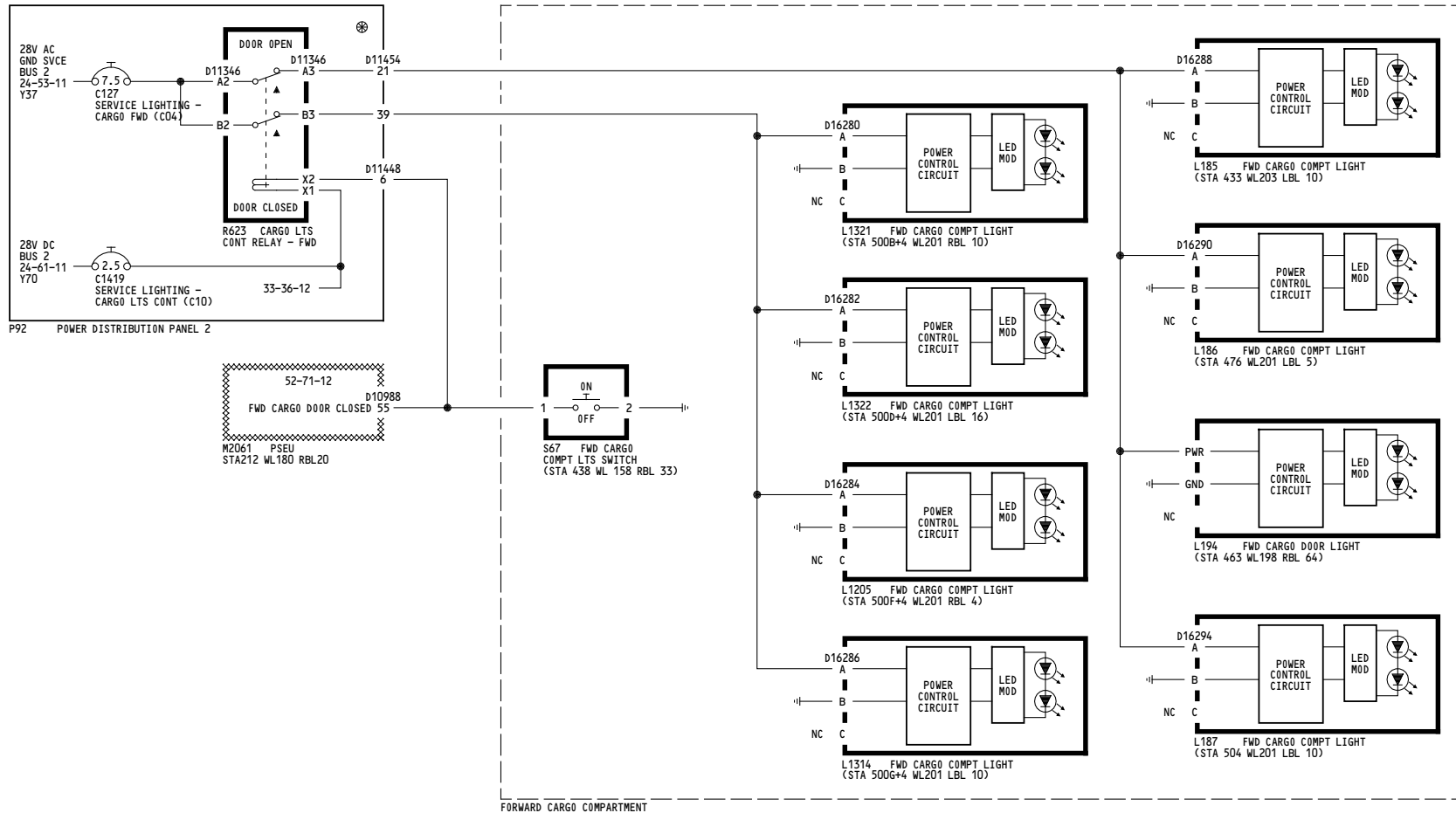
D280A451

**33-36-11**

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YT112-YT120, YT131-YT133

## SERVICE LIGHTING - CARGO COMPARTMENT - FWD

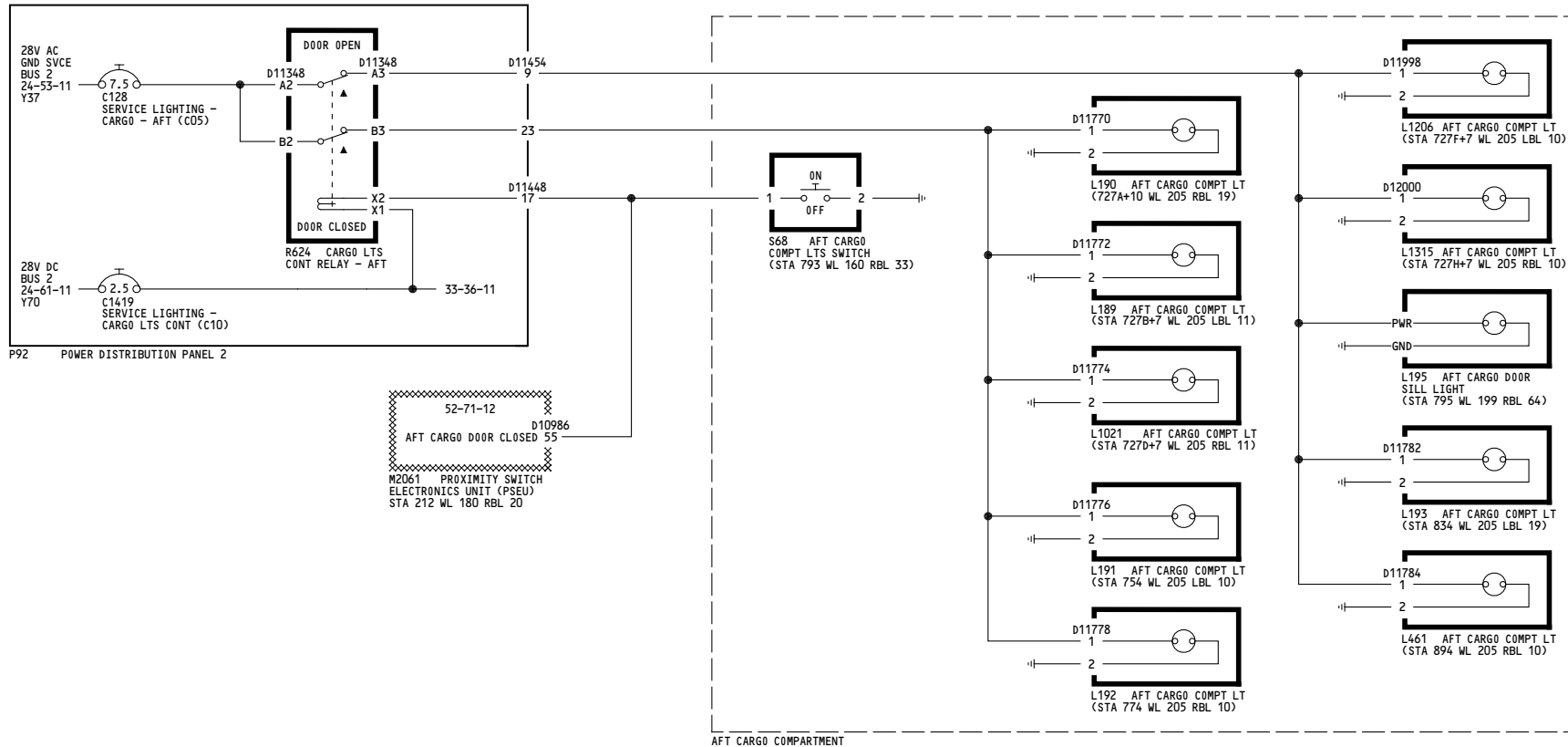
D280A451

33-36-11

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YT101-YT111, YT126-YT130

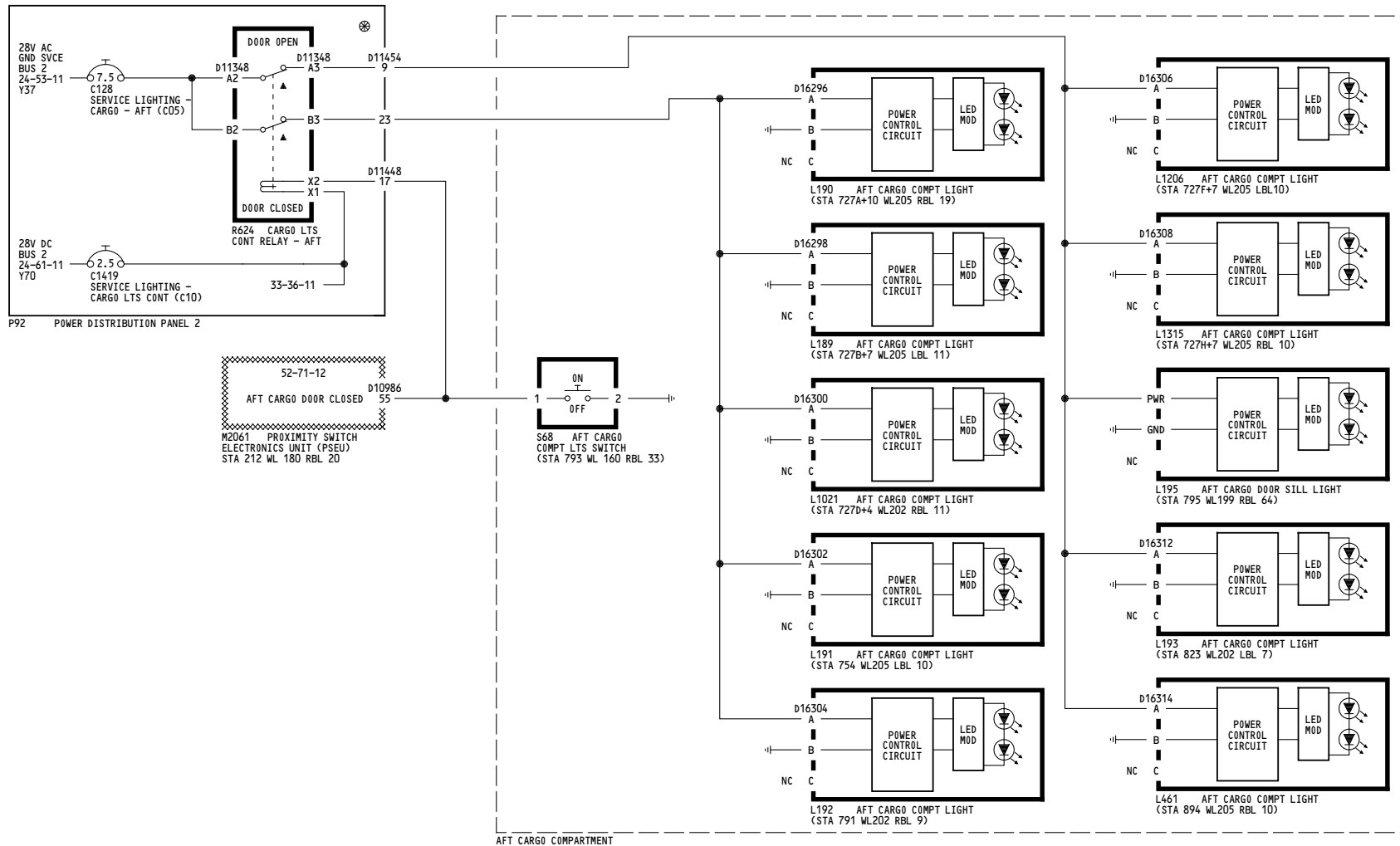
**SERVICE LIGHTING -  
CARGO COMPARTMENT - AFT**

D280A451

## 33-36-12

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YT112-YT120, YT131-YT133

**SERVICE LIGHTING -  
CARGO COMPARTMENT - AFT**

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**33-36-12**

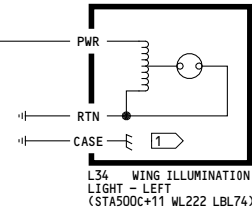
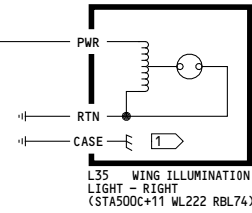
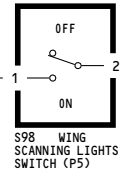
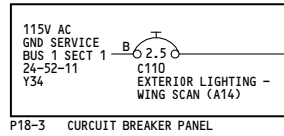
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WIRING DIAGRAMS  
33-41-11

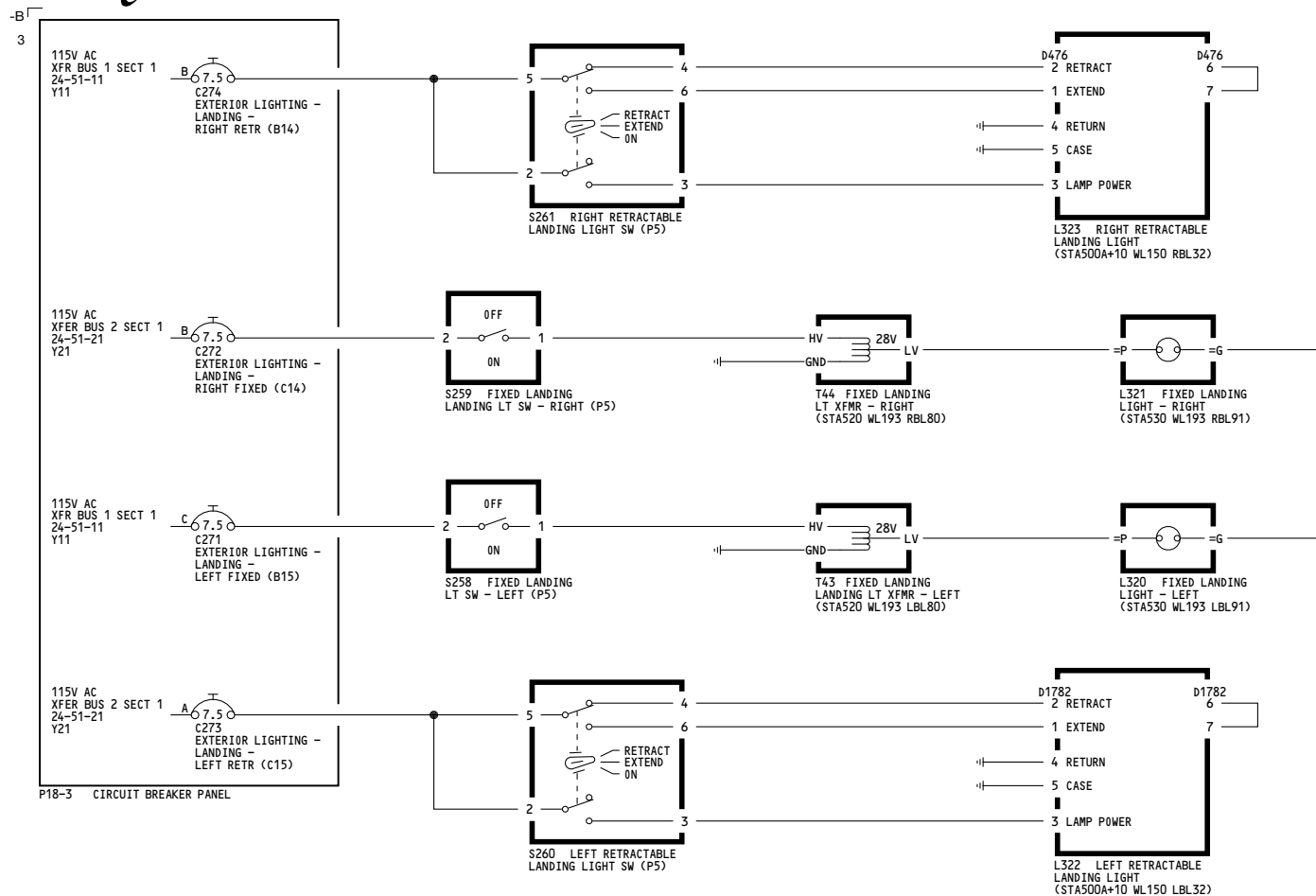
1 TRANSFORMER LOCATED WITHIN PRESSURIZED AREA

ALL	EXTERIOR LIGHTS - WING SCANNING
	D280A451

### 33-41-11

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YT101-YT112, YT126-YT130

## EXTERIOR LIGHTS - LANDING

D280A451

# 33-42-11

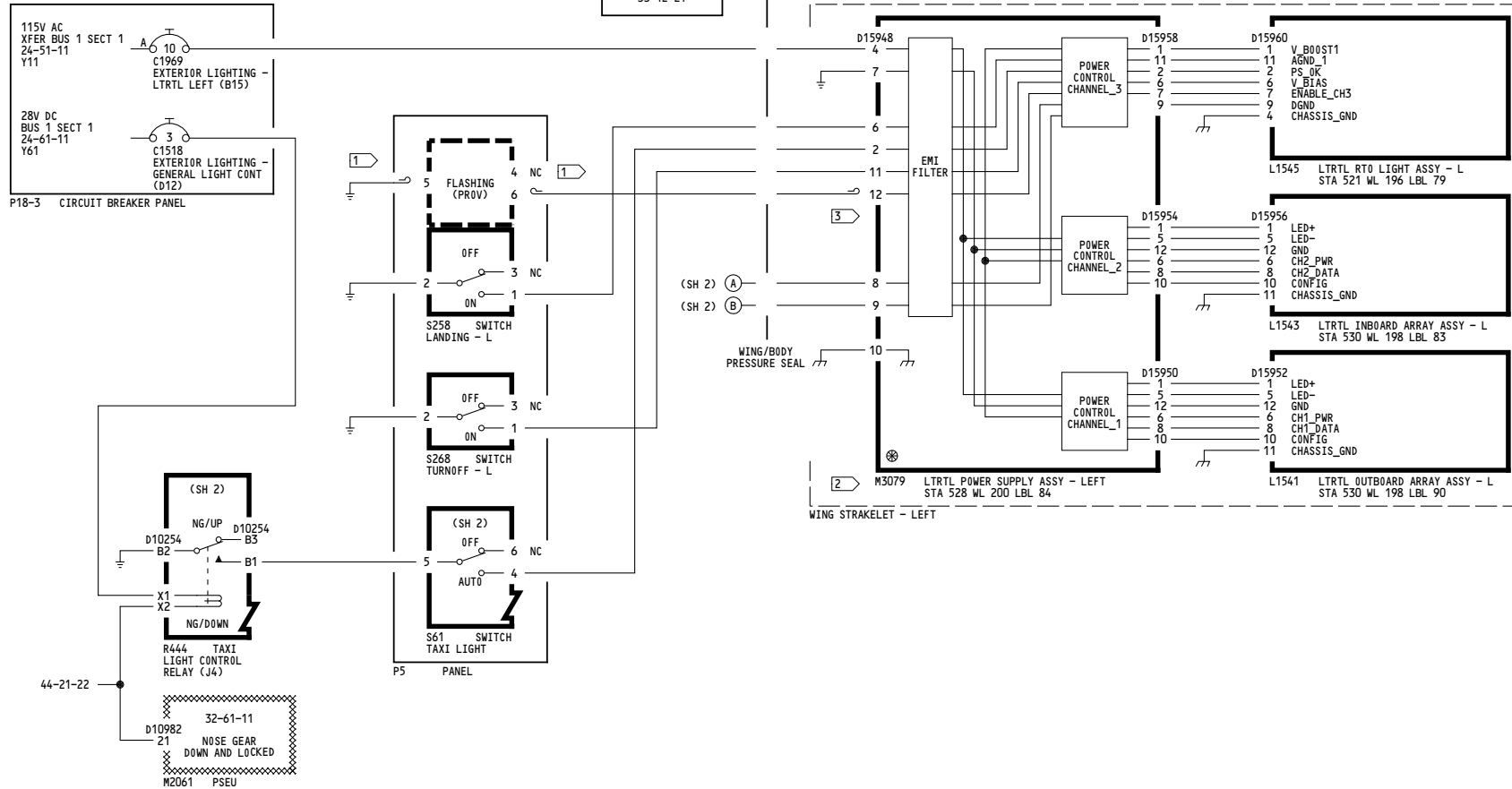
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May 15/2015

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5

**WIRING DIAGRAMS**  
33-42-21



**NOTES:**

- ① CAP AND STOW WIRING AS CLOSE AS POSSIBLE TO S258 SWITCH.
- ② ALL WIRES OUTSIDE THE PRESSURE VESSEL SHALL BE INDIVIDUALLY SHIELDED.
- ③ CAP AND STOW WIRING AS CLOSE AS POSSIBLE TO D15948 OF M3079.

YT113-YT120, YT131-YT133

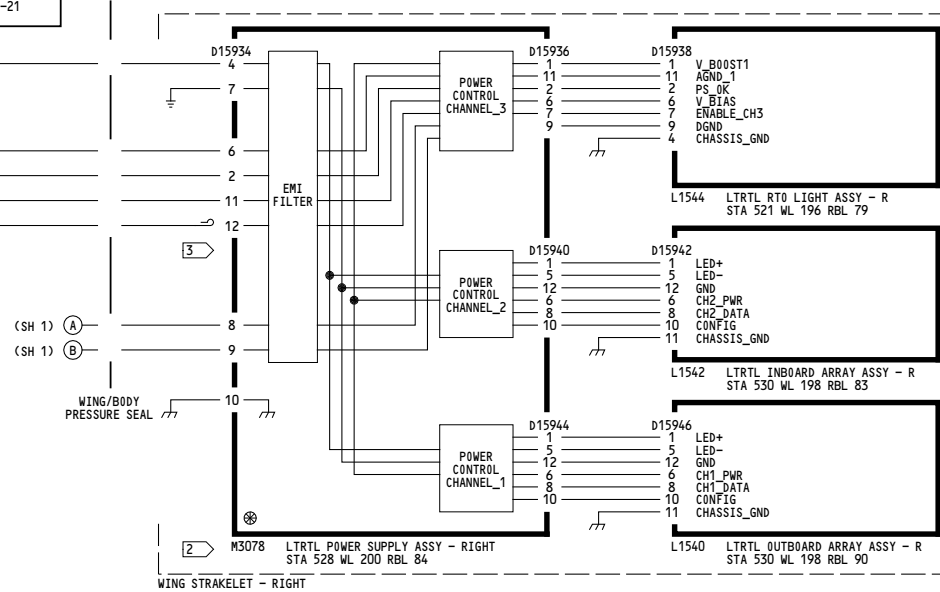
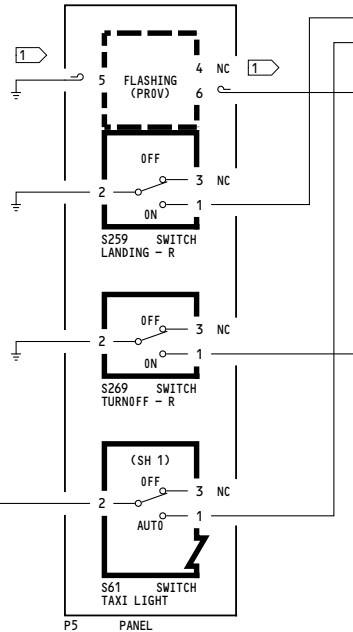
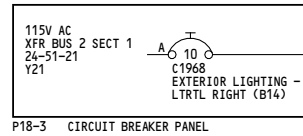
**LANDING TAXI AND RUNWAY  
TURNOFF LIGHTING SYSTEMS**

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**33-42-21**

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**WIRING DIAGRAMS**  
33-42-21



**NOTES:**

- 1 CAP AND STOW WIRING AS CLOSE AS POSSIBLE TO S259 SWITCH.
- 2 ALL WIRES OUTSIDE THE PRESSURE VESSEL SHALL BE INDIVIDUALLY SHIELDED.
- 3 CAP AND STOW WIRING AS CLOSE AS POSSIBLE TO D15934 OF M3078.

YT113-YT120, YT131-YT133

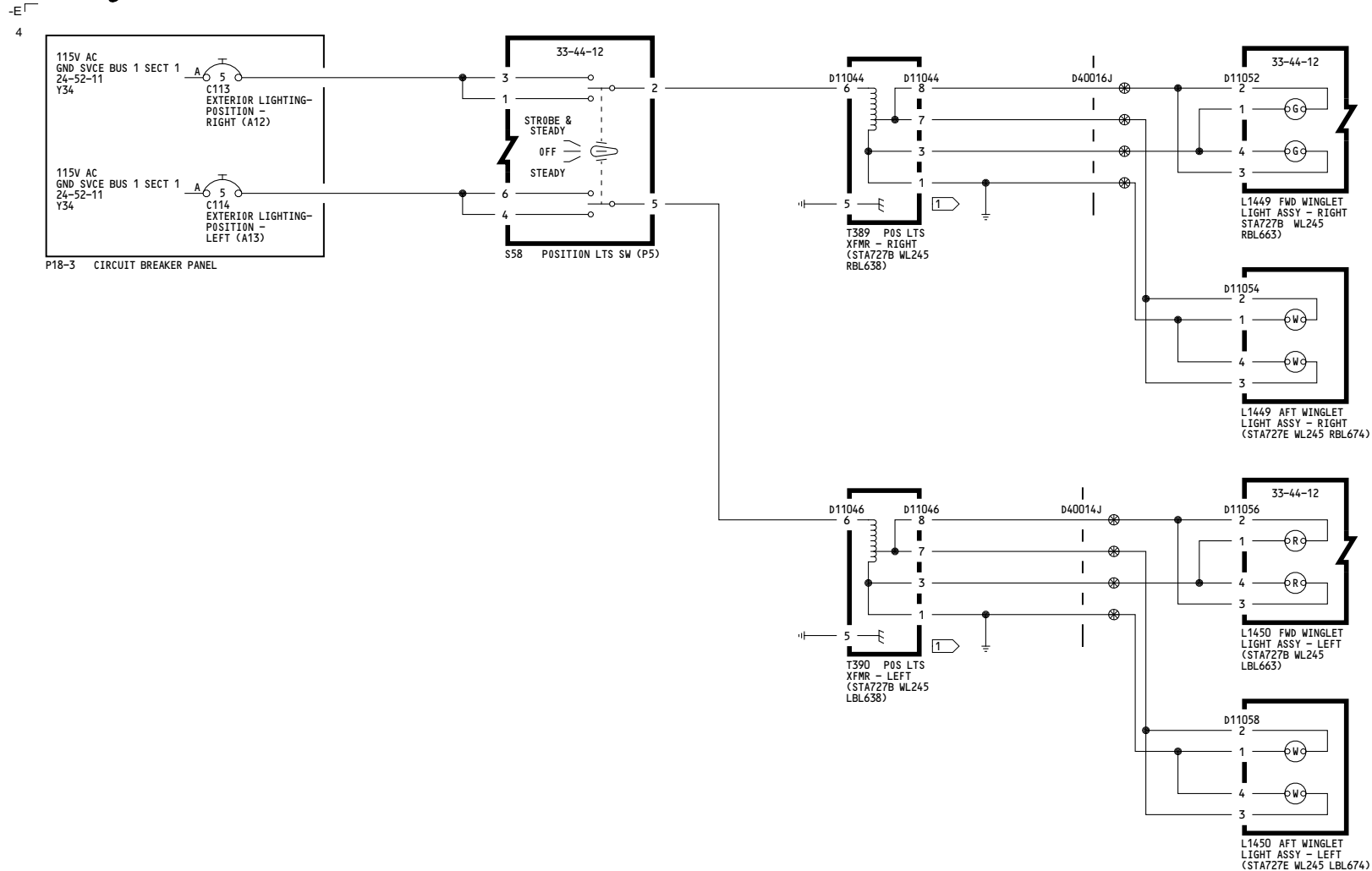
**LANDING TAXI AND RUNWAY  
TURNOFF LIGHTING SYSTEMS**

D280A451

**33-42-21**

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Sheet 2  
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## NOTES:

1 TRANSFORMER FT1246 OUTPUT VOLTAGE IS (10V) AND PRR38275-14 CHANGES TRANSFORMER TO FT1348 OUTPUT VOLTAGE IS (9V)

YT101

EXTERIOR LIGHTS -  
POSITION

D280A451

33-43-11

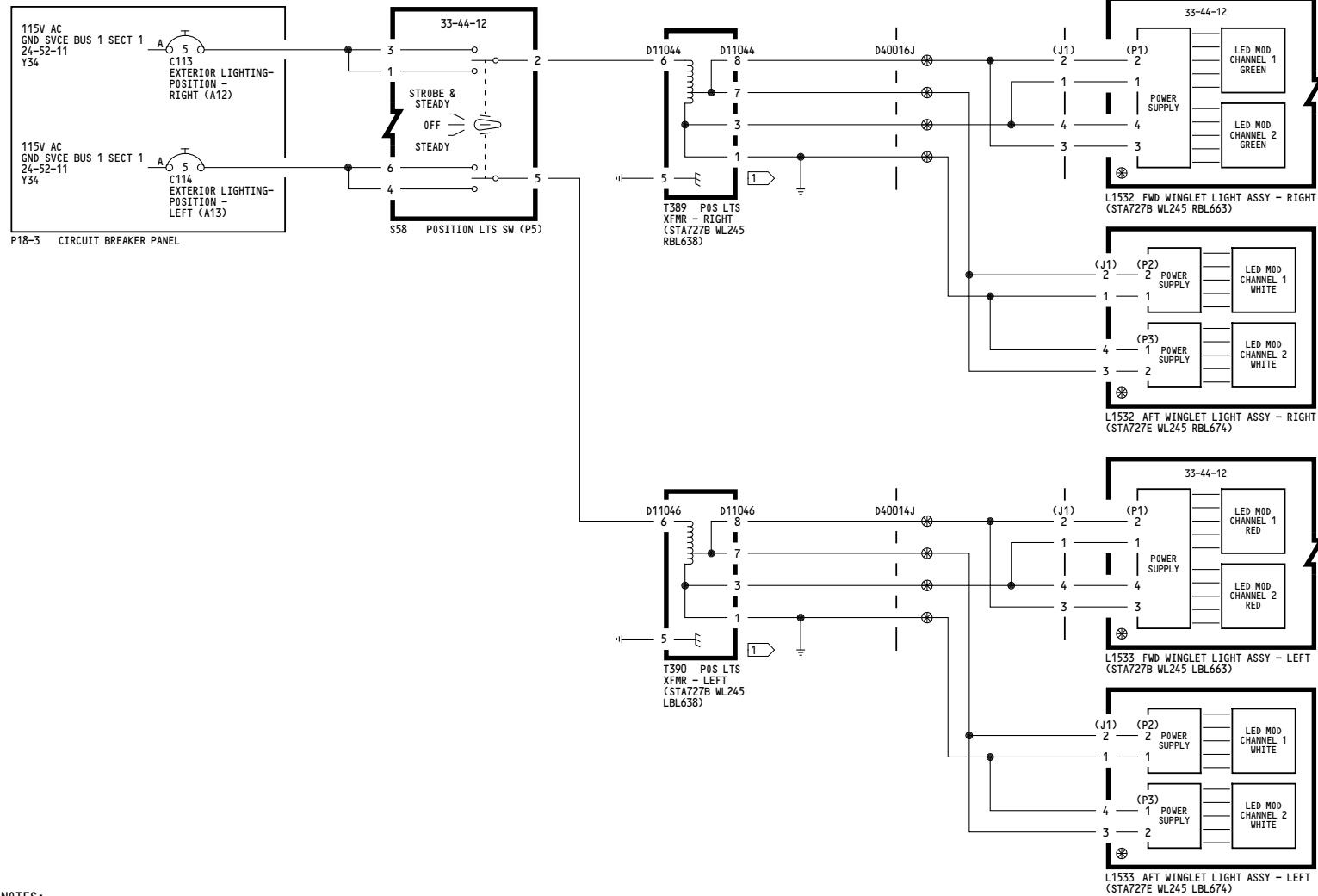
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Aug 15/2013



## 737-800 SYSTEM SCHEMATIC MANUAL

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WIRING DIAGRAMS  
33-43-11

### NOTES:

1 TRANSFORMER FT1246 OUTPUT VOLTAGE IS (10V) AND PRR38275-14 CHANGES TRANSFORMER TO FT1348 OUTPUT VOLTAGE IS (9V)

YT102-YT133

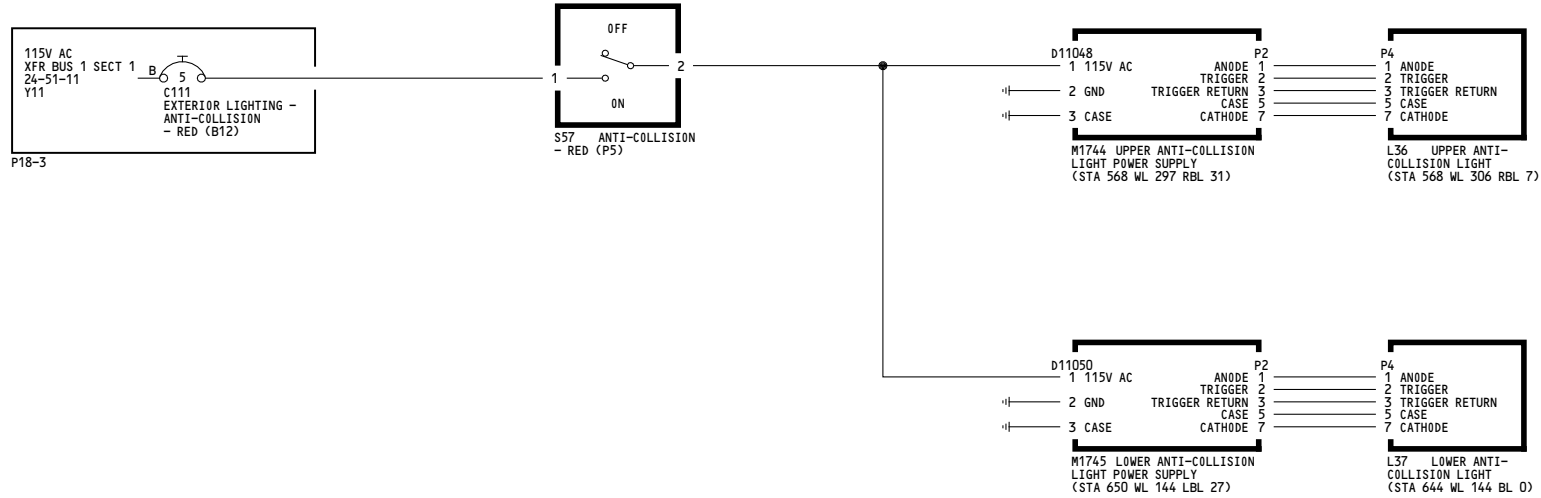
EXTERIOR LIGHTS -  
POSITION

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ALL

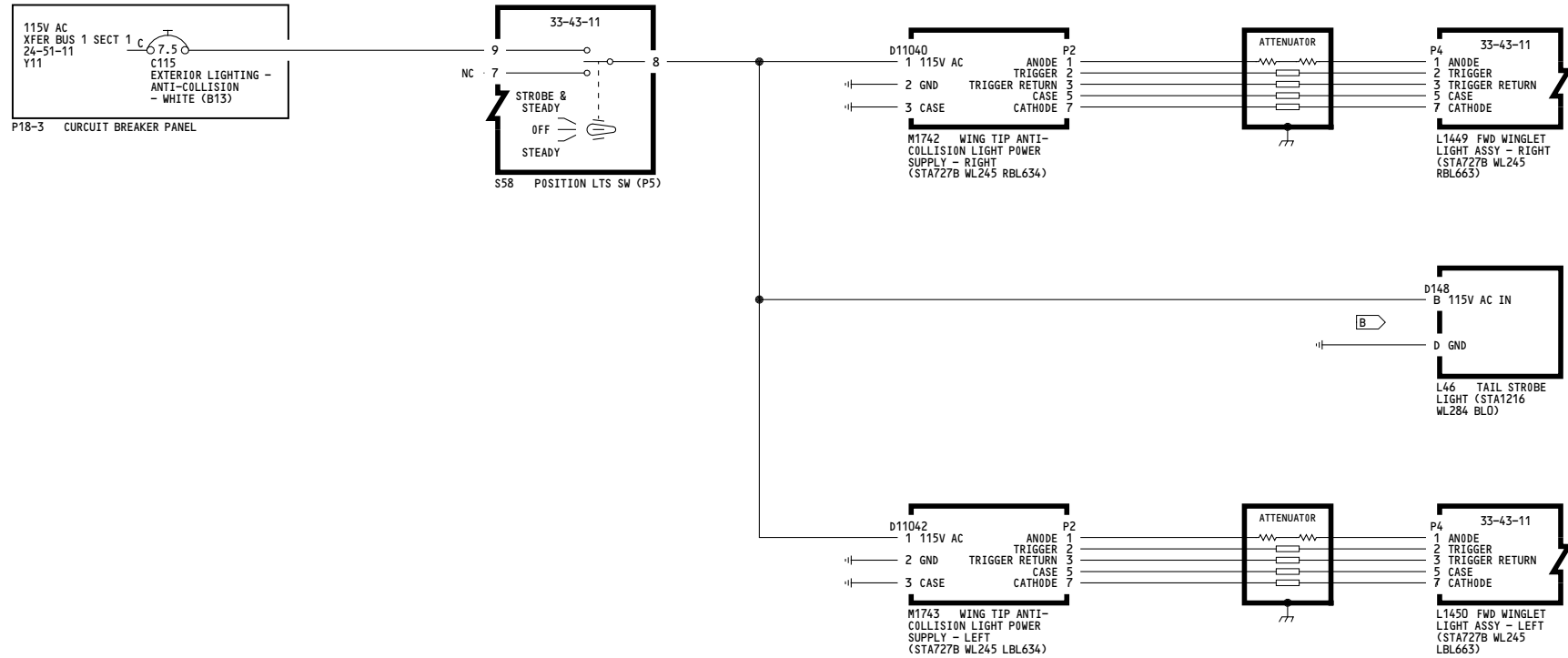
**EXTERIOR LIGHTS -  
ANTICOLLISION - RED**

D280A451

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YT101

**EXTERIOR LIGHTS -  
ANTICOLLISION - WHITE**

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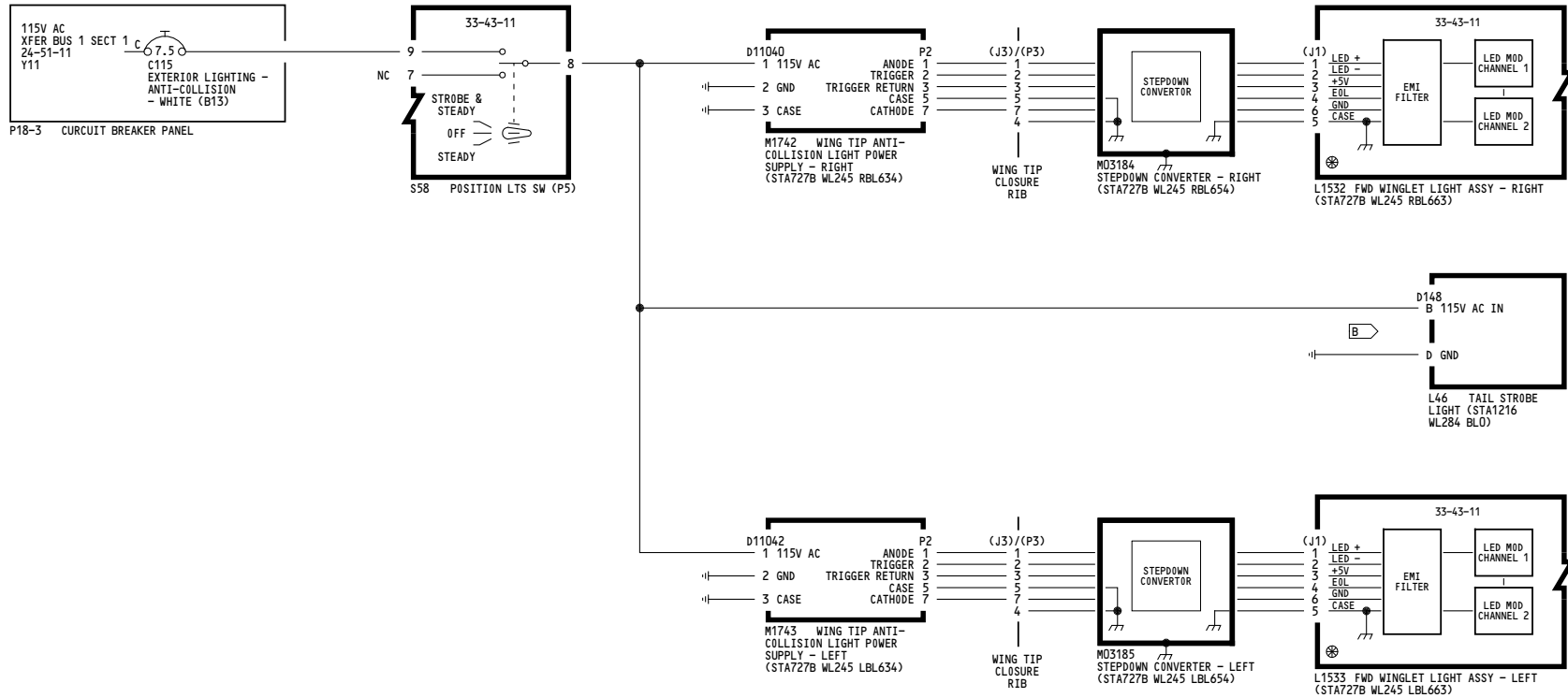
**33-44-12**

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WIRING DIAGRAMS  
33-44-12



YT102-YT133

**EXTERIOR LIGHTS -  
ANTICOLLISION - WHITE**

D280A451

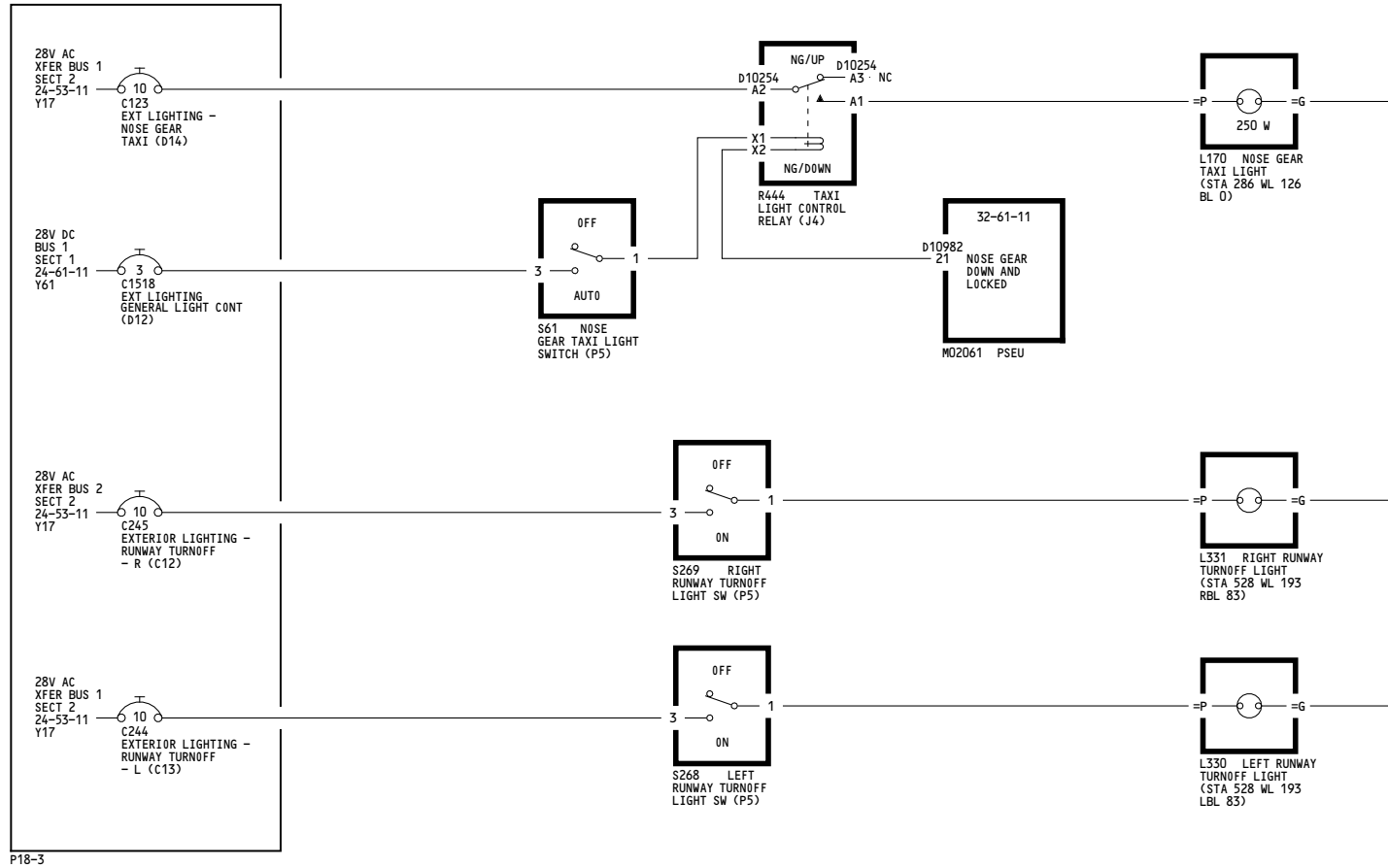
**33-44-12**

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WIRING DIAGRAMS  
33-45-11



YT101-YT105

**EXTERIOR LIGHTS - TAXI AND RUNWAY TURNOFF**

D280A451

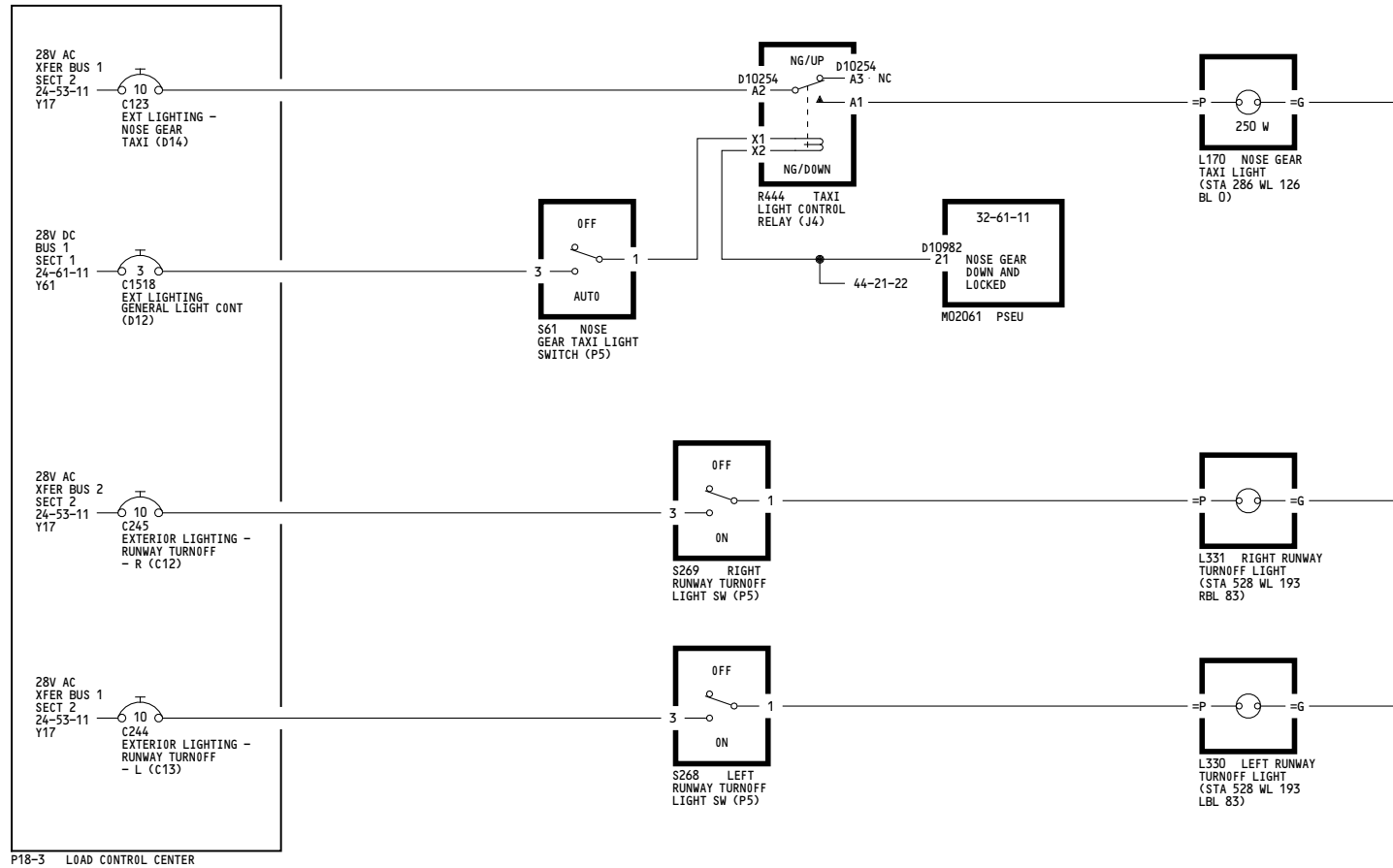
**33-45-11**

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WIRING DIAGRAMS  
33-45-11



YT106-YT112, YT126-YT130

## EXTERIOR LIGHTS - TAXI AND RUNWAY TURNOFF

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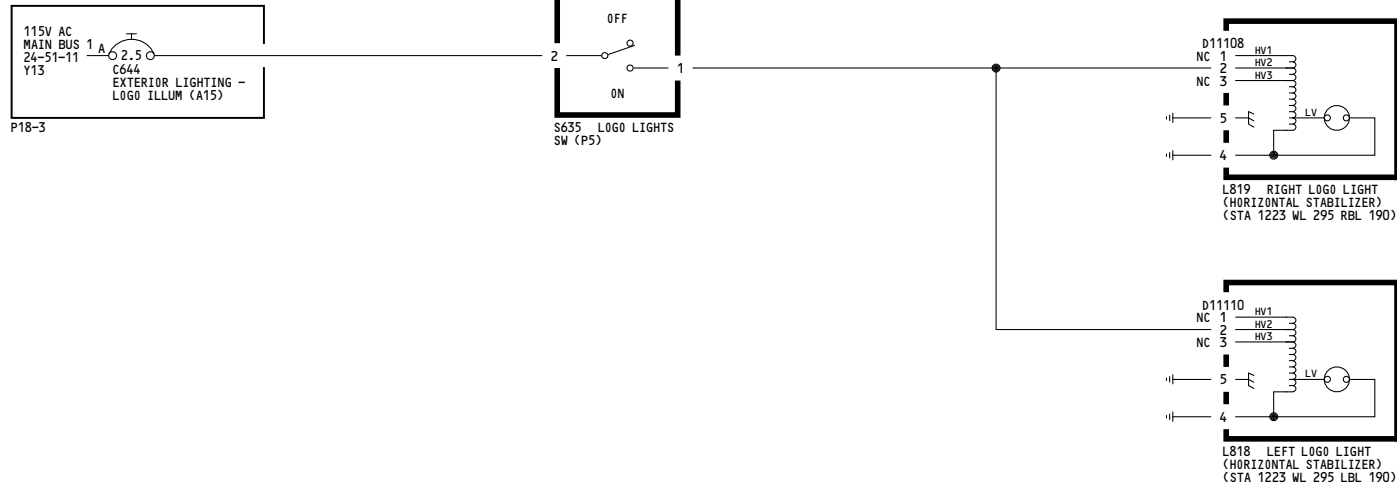
May 15/2015



## 737-800 SYSTEM SCHEMATIC MANUAL

WIRING DIAGRAMS  
33-49-11

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1



115V INTO	LV	LAMP LIFE	LIGHT OUTPUT
HV1	11.5	LONGER	DIMMER
HV2	12.0	NOMINAL	NOMINAL
HV3	12.5	SHORTER	BRIGHTER

ALL

EXTERIOR LIGHTS -  
STABILIZER (LOGO)  
FLOOD LIGHTS

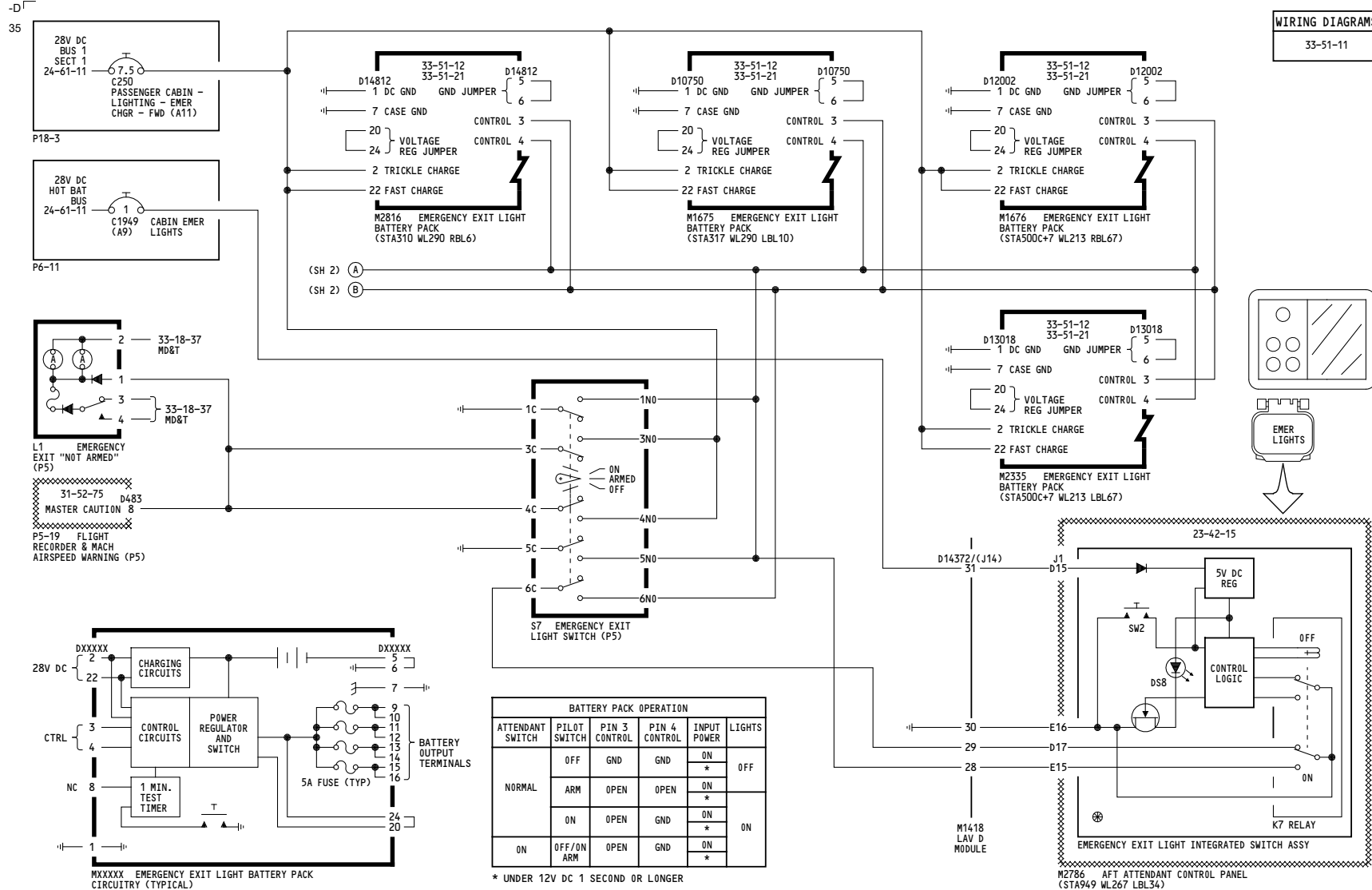
D280A451

33-49-11

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ALL

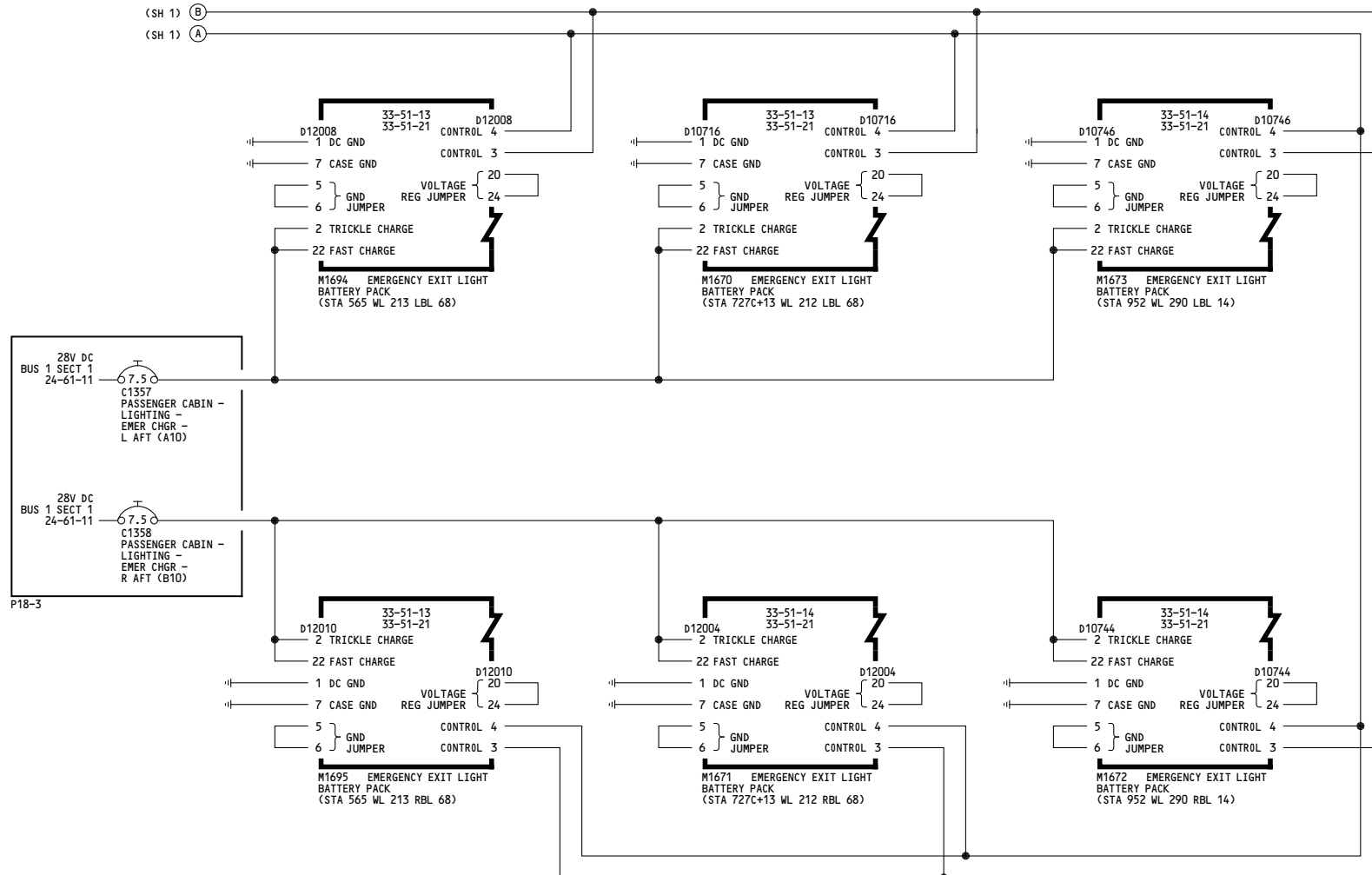
## EMERGENCY EXIT LIGHTS - CONTROL

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WIRING DIAGRAMS  
33-51-11



ALL

EMERGENCY EXIT LIGHTS -  
CONTROL

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Sheet 2  
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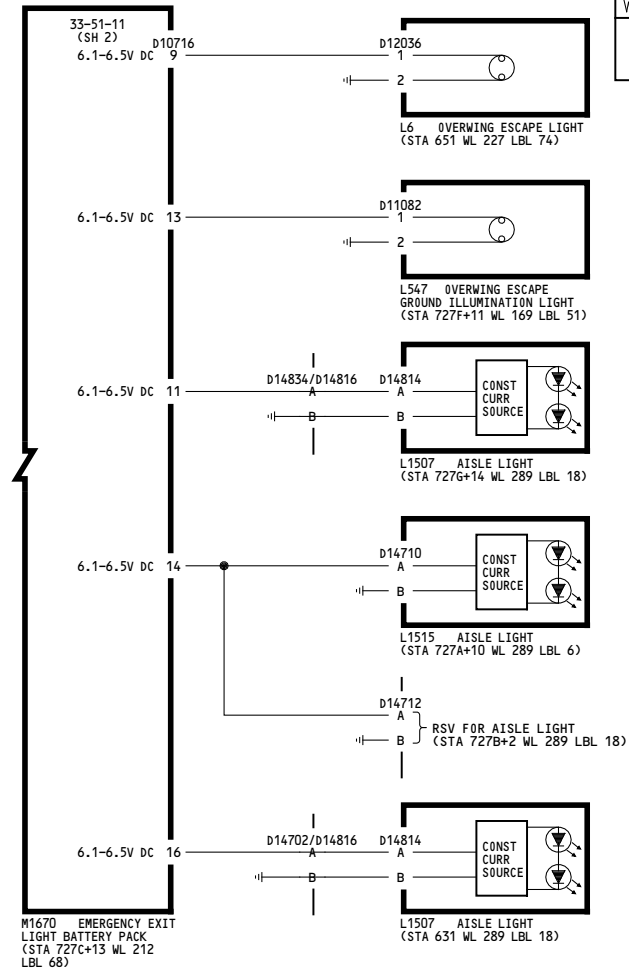
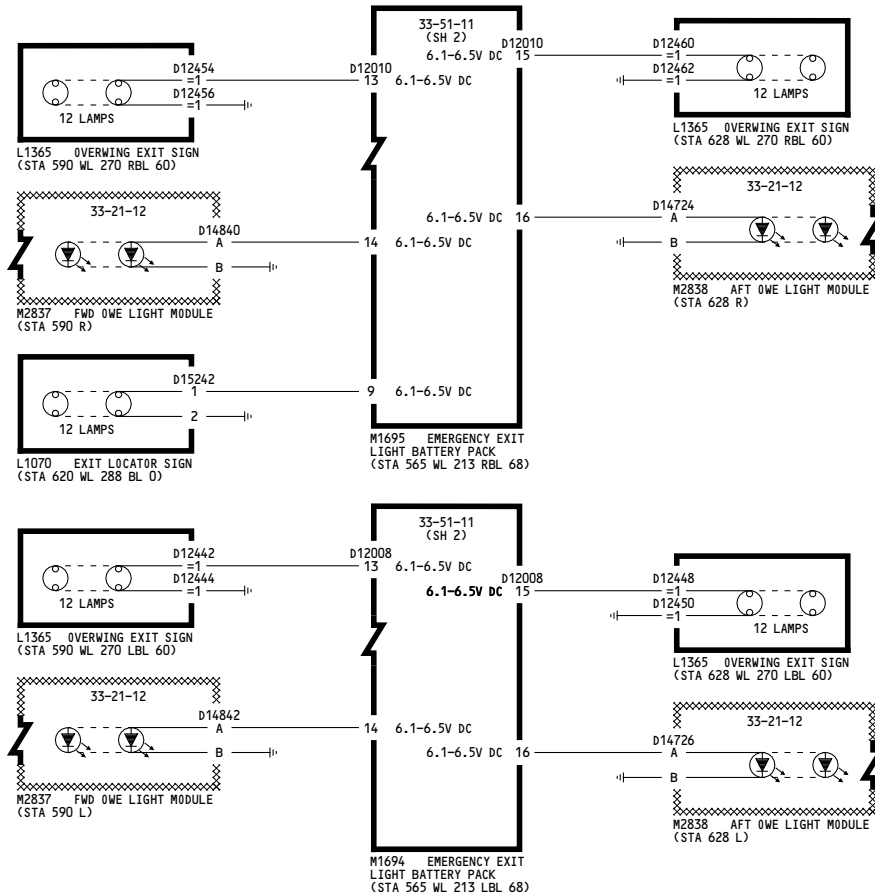
WIRING DIAGRAMS  
33-51-12



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ALL

**EMERGENCY EXIT LIGHTS - MID**

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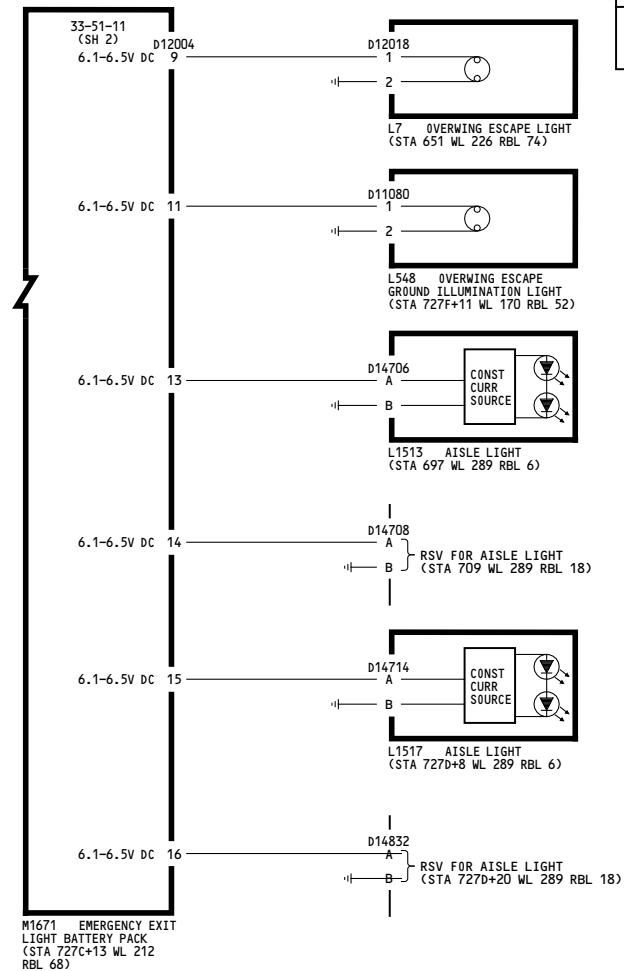
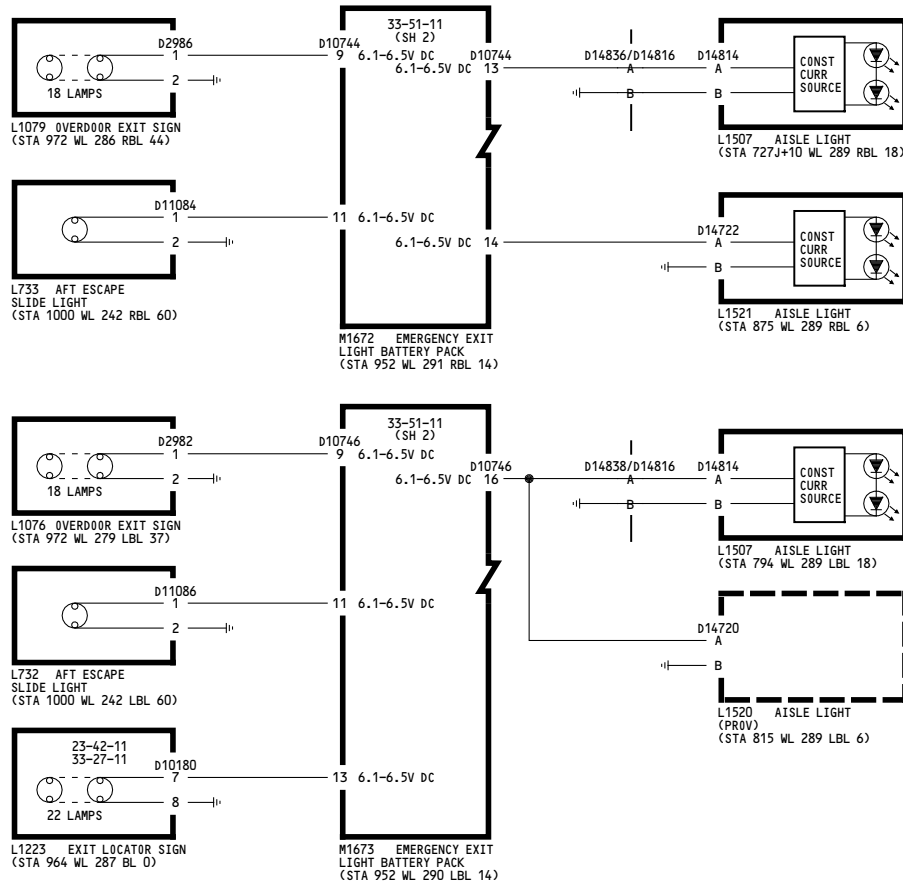
**33-51-13**

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WIRING DIAGRAMS  
33-51-14



ALL

EMERGENCY EXIT LIGHTS -  
AFT

D280A451

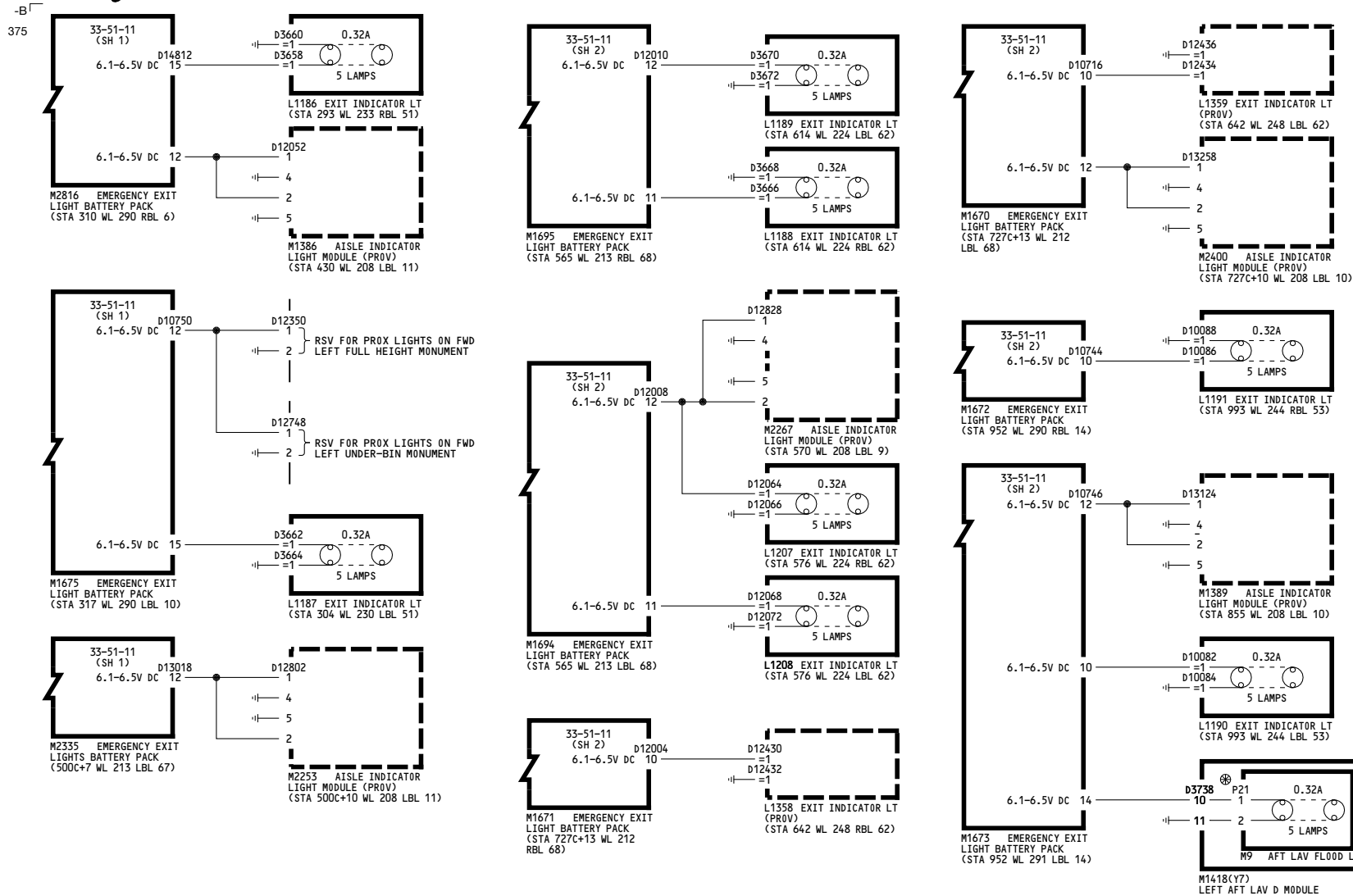
33-51-14

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## 737-800 SYSTEM SCHEMATIC MANUAL



WIRING DIAGRAMS  
33-51-21  
33-51-22

ALL

### EMERGENCY EXIT LIGHTS - FLOOR PROXIMITY

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