

**TM 55-1520-248-23-9**

**TECHNICAL MANUAL**

**GLOSSARY**

**AVIATION UNIT AND  
INTERMEDIATE  
MAINTENANCE MANUAL**

**ALPHABETICAL INDEX**

**FOLDOUTS**

**ARMY MODEL  
OH-58D  
HELICOPTER**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY  
31 MARCH 1992**



**WARNINGS, CAUTIONS, AND NOTES**

Personnel performing troubleshooting procedures and practices which are included or implied in this technical manual shall observe the following warnings.

**WARNING**

An operating procedure, practice, etc., which if not correctly followed, could result in personal injury or loss of life.

**CAUTION**

An operating procedure, practice, etc., which if not strictly observed, could result in damage to or destruction of equipment.

**NOTE**

An operating procedure, condition, etc. which it is essential to highlight.

**SAFETY STEPS  
ELECTRICAL SHOCK**

Refer to FM 21-11 for electrical shock safety steps and procedures.

**WARNING****HIGH VOLTAGE**

The helicopter contains high voltage and shall be electrically grounded when parked. Serious burns and electrical shock can result from contact with exposed electrical wires or connectors.

**WARNING****HIGH VOLTAGE**

High voltage may be stored in the ignition system after operation of the APU. This high voltage can cause injury or death.

- Do not make contact with exposed wires or connectors.
- Allow at least five minutes after operation of the ignition system before disconnecting or removing ignition system components.
- Turn all power switches off before making any connections or disconnections.
- Observe instructions for grounding the power cable to discharge high voltage.
- For artificial respiration, refer to FM 21-11.

**WARNING**

**PITOT HEAT**

The pitot tube assembly is very hot during and immediately after operation requiring pitot heat. Severe burns will result if contacted by hands or other parts of the body.

**WARNING**

**LUBRICATING OILS HAZARDOUS**

Lubricating oils MIL-L-7808 and MIL-L-23699 contain materials hazardous to health. They can cause paralysis if swallowed. Prolonged contact with skin can cause irritation. Fire can result if exposed to heat or flames.

- Use only in areas with adequate ventilation.
- Wash hands thoroughly after handling.

**WARNING**

**BATTERY ELECTROLYTE**

Corrosive battery electrolyte (potassium hydroxide) requires rubber gloves, apron, and face shield when handling leaking batteries. Potassium hydroxide spilled on clothing or other material shall be washed immediately with clean water. If spilled on personnel, severe skin burns will result. Immediately start flushing the affected area with clean water and continue flushing until medical assistance arrives.

**WARNING**  
**RADIATION HAZARD**



**SELF-LUMINOUS DIALS**

Self-luminous instrument dials contain radioactive materials.

- If glass is broken or case becomes unsealed, avoid personal contact. Injury to personnel could result.
- Forceps or gloves made of rubber or polyethylene shall be used to pick up contaminated material.

**SELF-LUMINOUS DIALS (CONT)**

- Place material and gloves in a plastic bag. Seal bag and dispose of it as radioactive waste in accordance with AR 755-15 and TM 3-261.
- Repair procedure shall conform to requirements in AR 700-52.

**WARNING****POISONOUS LEAD OXIDE**

Poisonous lead oxide is a byproduct of fuels containing tetraethyl lead. Death or injury can result if this lead oxide is taken into the body through cuts or other external openings, or if inhaled.

- Wear rubber gloves and goggles when handling contaminated parts.
- If accidental exposure occurs, drench affected areas with large amounts of clear water.
- Obtain immediate medical attention.

**WARNING****TOXIC AND FLAMMABLE SOLVENTS**

Solvents used for cleaning are toxic and flammable. They irritate skin and cause burns. Fire can result from use near heat or open flame.

- Use only in a well-ventilated area.
- Wear rubber gloves.
- In case of contact, immediately flush skin or eyes with water for at least 15 minutes.
- Get immediate medical attention for eyes.



To look along the axis of a laser beam without protective glasses is extremely dangerous. Serious eye injury *will* result. Align the laser so that personnel are unlikely to inadvertently look along the axis of its beam.

---

Laser firing systems may store a charge. Take care to prevent accidental pulsing of the laser and to avoid electric shock. Personal injury may result.

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Reflections from the laser beam are extremely dangerous. Serious eye injury will result. It is essential that all reflective material be removed from its path.

WARNING

SOLVENT

Drycleaning solvent is flammable and toxic, It can irritate skin and cause burns.

- Use only in well-ventilated area away from heat and open flame.
- Wear rubber gloves and goggles.
- In case of contact, immediately flush skin or eyes with water for at least 15 minutes,
- Get medical attention for eyes.

WARNING

SOUND LEVEL

Sound pressure levels in this helicopter during operating conditions exceed the Surgeon General hearing conservation criteria. Hearing protection devices, such as aviator helmet or ear plugs or ear sound suppressors are required to be worn by all personnel in and around the helicopter during its operation.

**WARNING**  
**COMPRESSED AIR**

Compressed air is dangerous when directed toward yourself or another person. The airstream or material blown by the airstream can cause injury, particularly to the eyes or face.

- Use goggles to protect eyes and face.
- Do not exceed 30 psig.
- Do not direct airstream toward yourself or another person.

**WARNING**  
**TOXIC AND FLAMMABLE FUELS**

Turbine fuels and fuel fumes are flammable. They cause drying and irritation of skin or eyes.

- Handle only in well – ventilated areas away from heat and open flame.
- Store in approved metal safety containers.
- Avoid prolonged or repeated contact with skin.
- Do not take internally.
- Wash contacted areas of skin after handling.
- Get immediate medical attention for eyes and irritated skin.

**WARNING**  
**METHYL-ETHYL-KETONE (MEK)**

MEK is flammable and toxic.

- It can irritate and cause burns.
- Use only in well – ventilated areas, away from heat or open flame.
- Wear rubber gloves and goggles.
- In case of contact, immediately flush skin or eyes with water for at least 15 minutes.
- Get medical attention for eyes.

WARNING

STRAY VOLTAGE

Stray voltages may exist in electronic equipment installed in the helicopter. These voltages present an explosive hazard to fuel and fuel fumes. Severe injury or death could result.

WARNING

MAIN AND TAIL ROTOR BLADES

Stay clear of turning main and tail rotor blades. Wind gusts, coast down or cyclic movement may cause the main rotor blade to flap down below the height of a person. Dangerous winds are created by the main rotor blades when blades are operated at or near top rpm. Adequate distance must be maintained from main and tail rotor blades during operation. Severe injury or death may result.

WARNING

ARMAMENT

Loaded weapons, or weapons being loaded or unloaded, shall be pointed in a direction which offers the least exposure to personnel or property in the event of accidental firing. Personnel should remain clear of hazardous area of all loaded weapons. Death or severe injury may result.

WARNING

HF ANTENNA

Ensure that HF antenna is not operating while performing maintenance. When operating, HF antenna emits infrared radiation that can cause radiation burns. If exposed to infrared radiation, seek medical aid immediately.

WARNING

ASBESTOS DUST

Avoid creating dust. Breathing asbestos dust may cause serious bodily harm,








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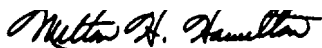
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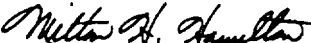
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AVIATION UNIT AND INTERMEDIATE  
MAINTENANCE MANUAL

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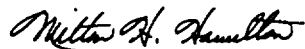
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AVIATION UNIT AND INTERMEDIATE  
MAINTENANCE MANUAL

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, U.S. Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis MO 63120-1798. A reply will be furnished to you.

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## HOW TO USE THIS MANUAL

## 1. GENERAL.

In order to do the job right, you must be able to find the information you need. Knowing how to use this manual is very important. You should know what the manual consists of, how it is put together, and how to use it.

## 2. ORGANIZATION.

a. The entire manual is made up of a set of CHAPTERS. They are numbered in Arabic numerals (1, 2,3,4, etc.).

b. Each chapter contains information on major helicopter systems.

c. Chapters are divided into SECTIONS. Sections are numbered in Roman numerals (I, II, III, IV, etc.).

d. Each section has information you need for doing any job.

## 3. PARAGRAPHS.

a. Paragraphs are individually numbered by chapter and sequence. Illustrations are provided to make things clearer. Illustrations and index callouts apply to the text located on the same page as the illustration.

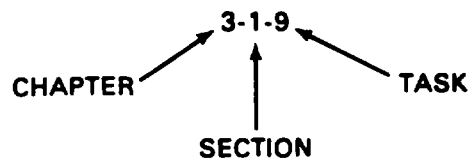
b. Paragraph numbers are assigned to each major information subject.

c. The task title (task name) is also at the top of the page.

## 4. NUMBERING.

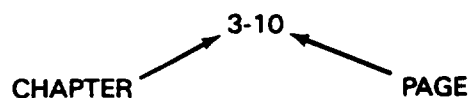
a. Paragraphs are numbered in two parts. The first number is the CHAPTER, The second number is the PARAGRAPH number in that chapter. Each number is separated by a dash.

b. Tasks are numbered in three parts. The first number is the CHAPTER. The second number is the SECTION, and the third is the TASK number in that section. Each number is separated by a dash as shown in the example.



## 5. PAGE NUMBERING.

All page numbering is by chapters. Section numerals are not included in page numbers. The first number is the number of the chapter; the second number is the number of the page in that chapter. The numbers are separated by a dash as shown in the example.



## 6. ALPHABETICAL INDEX.

a. The Alphabetical Index lists all the subjects of the manual in alphabetical order. If you know what you are looking for, it will be listed under the first letter of the first word in the title. For example: If you need information on the Tail Rotor Gearbox, look under "T", "R", or "G" in the Index.

b. The Alphabetical Index gives you the page number that has the information you need.

## 7. APPENDIXES.

a. Appendixes A through J are included in this manual to provide supplementary information required for maintenance. Each appendix contains specific instructions for its use.

b. Section III of Appendix B – Maintenance Allocation Chart – contains a list of the special tools and ground support equipment required for the OH-58D helicopter. The TOOL OR TEST EQUIPMENT REFERENCE CODE COLUMN has a number for each item on the list. This number appears as (B124) for example in identifying the particular tool or GSE in the setup table of the applicable task. Also, this number appears where applicable in Section II of Appendix B.

c. Appendix D — Expendable Supplies and Materials — contains a list of the adhesives, chemicals, etc., required to maintain the helicopter. The ITEM NUMBER column has a number for each item on the list. This number appears as (D4), for example, in identifying lockwire in the setup table of the applicable task. Also, this number appears as (D4) within the steps of the task.

## 8. GLOSSARY

a. Many words have more than one meaning. A word that has a certain meaning in every day language may have a different meaning when used for the helicopter. This is the reason for the Glossary, If you see a word in the manual and you are not sure of the meaning, check the Glossary

b. The Glossary also has a List of Abbreviations as they are used in this manual. It is always good

practice to look over the list. Make sure you know what each abbreviation stands for.

## 9. INITIAL SETUP (EXAMPLE NEXT PAGE).

The first page of each maintenance procedure in the manual is the Initial Setup. Always check the Initial Setup before starting a task on the helicopter. The Initial Setup contains information you must know. DON'T START A TASK UNTIL:

- a. You understand the task.
- b. You understand what you are to do.
- c. You know what is needed to do the work.

### NOTE

A task requiring a pilot/maintenance test pilot to perform a MOC/MTF may not necessarily list either in the Initial Setup or Follow-on Maintenance. These requirements may be covered in other referenced tasks under Follow-on Maintenance.

- d. You have the things you need.

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11 -X-X. RIG CYCLIC CONTROLS

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This task covers: Rigging (On Helicopter)

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INITIAL SETUP

Applicable Configurations:

All

Tools:

- Aircraft Mechanic Tool Kit
- Rigging Bolt (B66)
- Torque Wrench, 30-150 Inch-Pounds
- Spring Scales 0-10 pounds.

Parts:

- Cotter Pin (8)
- Nut

Personnel Required:

- 66S Scout Helicopter Technical Inspector
- 67S Scout Helicopter Repairer
- Maintenance Test Pilot

References:

TM 55-1520-248-MTF

Equipment Condition:

- Forward Fairing Removed (Task 2-1-21)
- Collective Controls Rigged (Task 11 -2-1)
- CPO Collective Stick Removed (Task 11 -3-17)
- Crew Seats and Floor Panels Removed (Task 2-1-18)

General Safety Instructions:

WARNING

Ensure that no one operates control from inside of helicopter during rigging of cyclic control system. Physical injury can occur. If injury occurs, seek medical aid.

Do not drop tools in center post (vertical tunnel). Tools can Jam or damage controls. Loss of controls can result in helicopter crash and loss of lives.



GLOSSARY

ABBREVIATIONS

AC	.....	Alternating Current
ACK	.....	Acknowledge
ADF	.....	Automatic Direction Finder
ADS	.....	Air Data System
ADSS	.....	Anvis Display Symbology System
ADU	.....	Audio Distribution Unit
AGPU	.....	Aviation Ground Power Unit
ADV	.....	Advisory
AHRS (AHARS)	.....	Attitude Heading Reference System
AI	.....	Airborne Interceptor
AJ	.....	Antijamming
ALT	.....	Altitude
ALSE	.....	Aviation Life Support Equipment
AMP	.....	Ampere/Amplifier
ANVIS	.....	Advanced Night Vision Imaging System
APU	.....	Auxiliary Power Unit
ARMT	.....	Armament
ASE	.....	Aircraft Survivability Equipment
ATHS	.....	Airborne Target Handover System
ATT	.....	Attitude
AUTO	.....	Automatic
AVTR	.....	Airborne Video Tape Recorder
BATT	.....	Battery
BHOT	.....	Black Hot
BIT	.....	Built-In Test
BITE	.....	Built-In Test Equipment
BKUP	.....	Backup
BL	.....	Butt Line
BLWR	.....	Blower
BNR	.....	Burner
BRSIT	.....	Boresight
BRT	.....	Bright
°C	.....	Degrees Celsius
CARC	.....	Chemical Agent Resistant Coating
CDS	.....	Control Display System
CDSS	.....	Control Display Sub-System
CFT	.....	Captive Flight Trainer
CIPH	.....	Cipher
CKPT	.....	Cockpit
CKPTLT	.....	Cockpit Light
CLR	.....	Clear
COMSEC	.....	Communication Security
CON	.....	Contrast
CPO	.....	Copilot/Observer
DC	.....	Direct Current
DEFOG	.....	Windshield Defogger System
DES	.....	Designation
DETR	.....	Detector

ABBREVIATIONS (CONT)

IDGT	Digital
IDISENG	Disengage
IDN	Down
IDPLR	Doppler
IDRA	Data Rate Adapter
IDSC	Digital Scan Converter
IDTS	Data Transfer System
IECSP	Electronic Command Signal Programmer
IEEC	Electronic Engine Control
ELEV	Elevation
ENGA	Engage
ENG	Engine
ESC	Electronic Supervisory Control
ESNTL BUS	Essential Bus
EU	Electronics Unit
EXT	External
FCU	Fuel Control Unit
FDL	Fault Detection and Location
FM	Frequency Modulation
FOV	Field-of-View
FREQ	Frequency
FWD	Forward
GEN	Generator
GRBX	Gearbox
H	Hop
HDG.	Heading
HHM	Heading Hold Mode
HMS	HELLFIRE Missile System
HOM	Homing (FM)
HSD	Horizontal Situation Display
HSF	Hot Section Factor
HTR	Heater
HYD	Hydraulic
ICS	Inter Communication System
IEA	Interface Electronics Assembly
IFF	Identification Friend or Foe
IFM	Improved Frequency Modulation
IGN	Ignition
INIT	Initiate
INSTLT	Instrument Light
INTCOM	Intercommunication
INV	Inverter
IR	Infrared
ISP	Integrated Systems Processor
JETT	Jettison
KM	Kilometer
KPH	Kilometers Per Hour
KT S	Knots

ABBREVIATIONS (CONT)

KYBD	Keyboard
LAT	Latitude
LCF	Low Cycle Fatigue
LOAL	Lock-On After Launch
LOBL	Lock-On Before Launch
LRF/D	Laser Rangefinder/Designator
LSR	Laser
LVDT	Linear Variable Differential Transformer
MAINT	Maintenance
MAPS	Maintenance Action Precise Symptom
MCPS	Mast Mounted Central Power Supply
MCPU	Master Controller Processor Unit
MEK	Methyl-Ethyl-Ketone
MFD	Multifunction Display
MFK	Multifunction Keyboard
MLM	Multipurpose Lightweight Missile
MMS	Mast Mounted Sight
MMSS	Mast Mounted Sight Subsystem
MNL	Manual
MOC	Maintenance Operational Check
MPD	Multiparameter Display
MSP	MMS Signal Processor
MSS	Missile Sight System
MTF	Maintenance Test Flight
NVG	Night Vision Goggles
NAV	Navigation
NG	Engine Gas Producer Turbine RPM
NOE	Nap-of-the-Earth
NP	Engine Power Turbine RPM
NR	Main Rotor RPM
ODA	Optical Display Assembly
OPR	Operate
OSET	Offset
PART SP	Particle Separator
PDU	Pilot Display Unit
PLT	Pilot
POS	Position
POS LT	Position Light
PSI	Pounds Per Square Inch
PSID	Pounds Per Square Inch Differential
PWR	Power
QAD	Quick Attach-Detach
RALT	Radar Altimeter
RAST	Raster
RCPT	Receptacle
REC	Receive
RECT	Rectifier
RET	Retract

ABBREVIATIONS (CONT)

RFD	Remote Frequency Display
RKT	Rocket
RPM	Revolutions Per Minute
RST	Reset
SAM	Surface-To-Air Missile
SCAS	Stability and Control Augmentation System
SEL	Select
SEU	Sight Electronics Unit
SPRL	Spiral
STBY	Standby
SYMB	Symbology
TACFIRE	Tactical Fire Direction
TAMS	Transmission Attitude Measuring System
TCU	Thermal Control Unit
TEMP	Temperature
TGT	Turbine Gas Temperature/Target
TGT/TRQ	Turbine Gas Temperature/Torque
TIS	Thermal Indicating Sensor
T/R	Tail Rotor
TRK	Track
TVS	Television System
UTM	Universal Transverse Mercator
UWP	Universal Weapons Pylon
VAC	Volts Alternating Current
VAR	Variation
VDC	Volts Direct Current
VID	Video
VSD	Vertical Situation Display
VSI	Vertical Scale Instrument
VTR	Video Tape Recorder
VTS	Video Tracker System
VTVM	Vacuum Tube Voltmeter
WRN	Warning
WSPS	Wire Strike Protection System
XDCR	Transducer (Sensor)
XMSN	Transmission





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<b>Subject</b>	<b><u>Para. No.</u></b>	<b>Subject</b>	<b><u>Para. No.</u></b>
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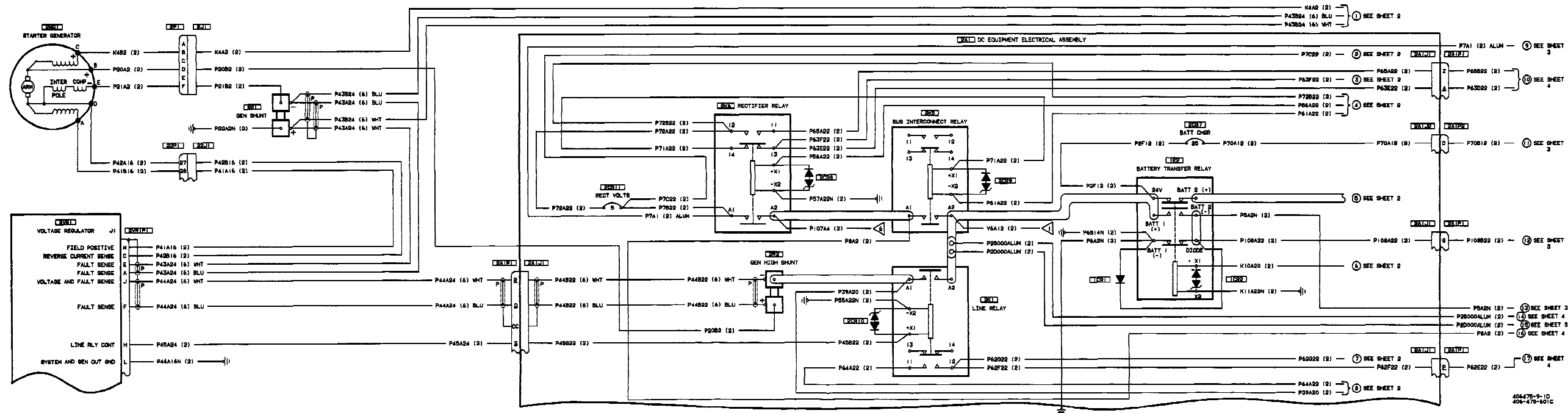


Figure FO-1. DC Power Wiring Diagram (Sheet 1 of 6)

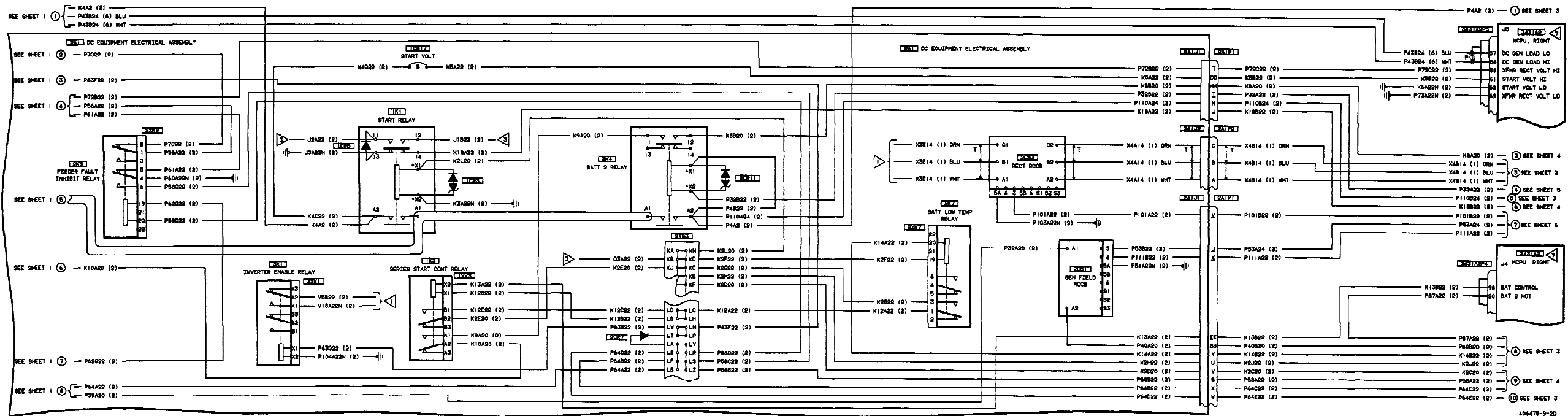


Figure FO-1. DC Power Wiring Diagram (Sheet 2 of 6)

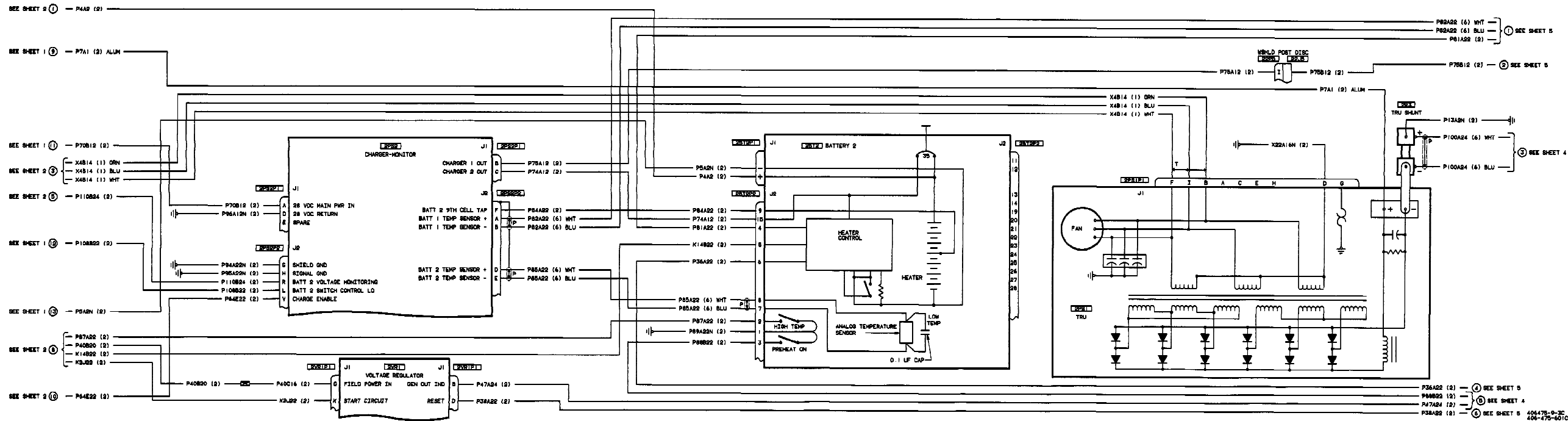


Figure FO-1. DC Power Wiring Diagram (Sheet 3 of 6)

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404-478-601C

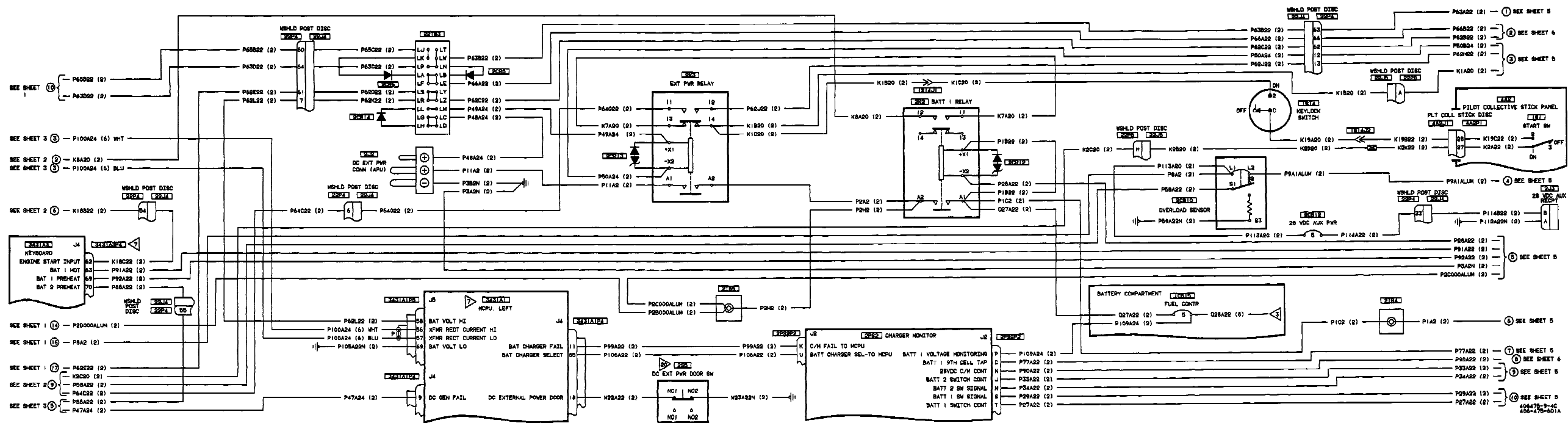


Figure FO-1. DC Power Wiring Diagram (Sheet 4 of 6)



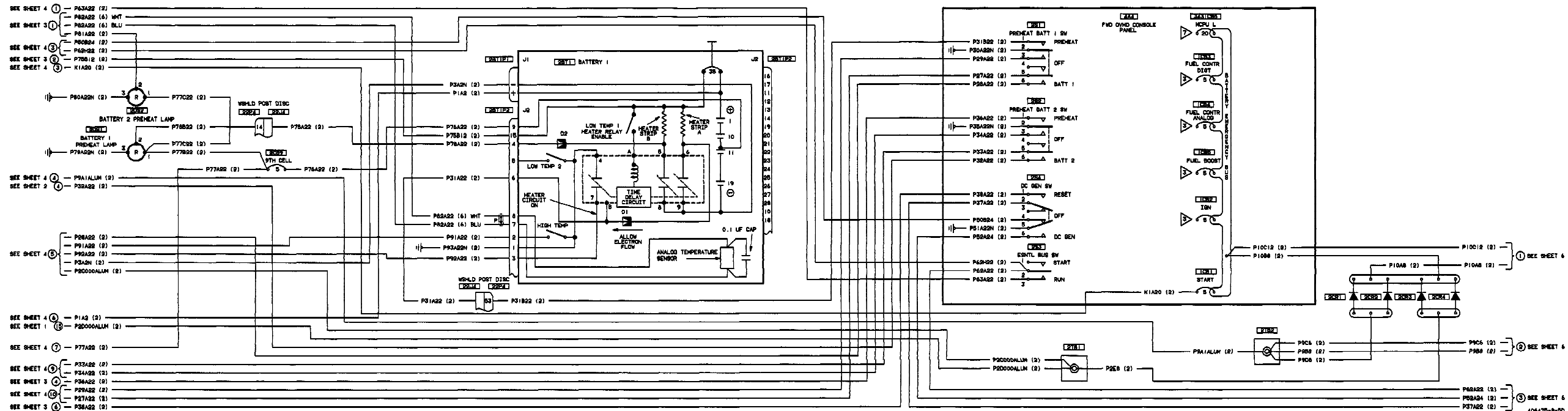
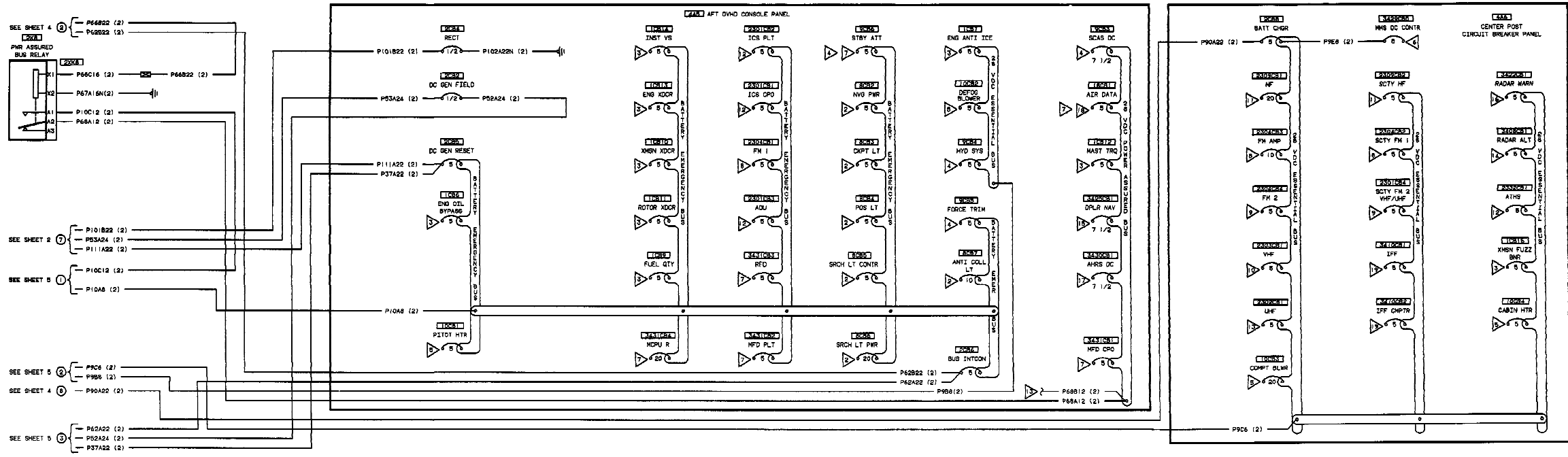


Figure FO-1. DC Power Wiring Diagram (Sheet 5 of 6)



- NOTES
- 1. REFER TO A/D POWER SYSTEM WIRING DIAGRAM.
  - 2. REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
  - 3. REFER TO POWER PLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
  - 4. REFER TO SCAS HYDRAULIC AND STANDBY ATTITUDE GYRO SYSTEM WIRING DIAGRAM.
  - 5. REFER TO ENVIRONMENTAL SYSTEM WIRING DIAGRAM.
  - 6. REFER TO MMS SYSTEM WIRING DIAGRAM.
  - 7. REFER TO ODS SYSTEM WIRING DIAGRAM.
  - 8. REFER TO NO. 1 VHF FM WIRING DIAGRAM TM 11-1520-248-23.
  - 9. REFER TO NO. 2 VHF FM WIRING DIAGRAM TM 11-1520-248-23.
  - 10. REFER TO VHF AM WIRING DIAGRAM TM 11-1520-248-23.
  - 11. REFER TO HF WIRING DIAGRAM TM 11-1520-248-23.
  - 12. REFER TO ICS WIRING DIAGRAM TM 11-1520-248-23.
  - 13. REFER TO LHF WIRING DIAGRAM TM 11-1520-248-23.
  - 14. REFER TO RADAR ALTIMETER WIRING DIAGRAM TM 11-1520-248-23.
  - 15. REFER TO DOPPLER NAVIGATION WIRING DIAGRAM TM 11-1520-248-23.
  - 16. REFER TO RADAR WARNING WIRING DIAGRAM TM 11-1520-248-23.
  - 17. REFER TO AMRE WIRING DIAGRAM TM 11-1520-248-23.
  - 18. REFER TO ADS SYSTEM WIRING DIAGRAM.
  - 19. REFER TO IFF WIRING DIAGRAM TM 11-1520-248-23.
  - 20. SEE VIEW A FOR IDENTIFICATION OF SWITCH TERMINALS.
  - 21. NUMBERED CIRCLE ON RIGHT SIDE OF SHEET SIGNIFIES "SEE SHEET" AND FIND SAME NUMBER ON LEFT SIDE OF SHEET WITH MATCHING WIRE NUMBER (S).

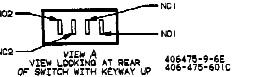


Figure FO-1. DC Power Wiring Diagram (Sheet 6 of 6)

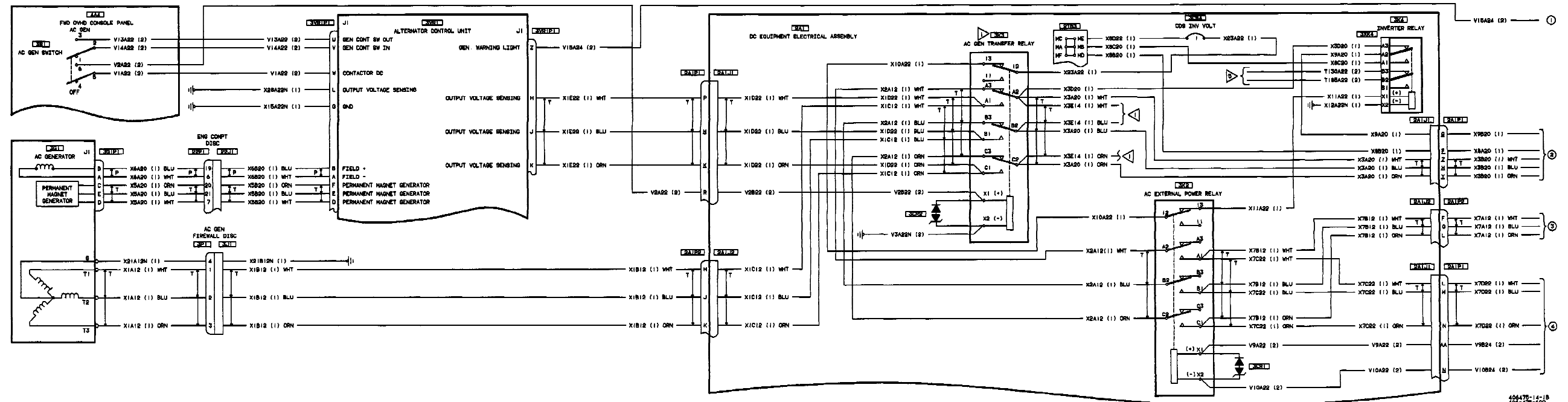


Figure FO-2. AC Power Wiring Diagram (Sheet 1 of 2)

404475-14-1B  
406-476-602



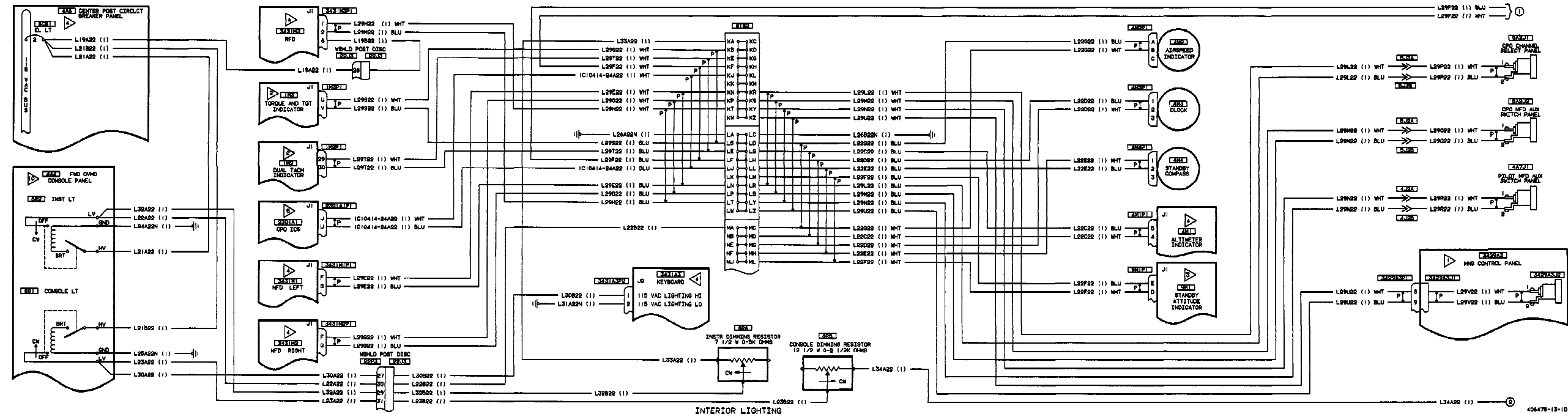


Figure FO-3. Lighting Wiring Diagram (Sheet 1 of 4)

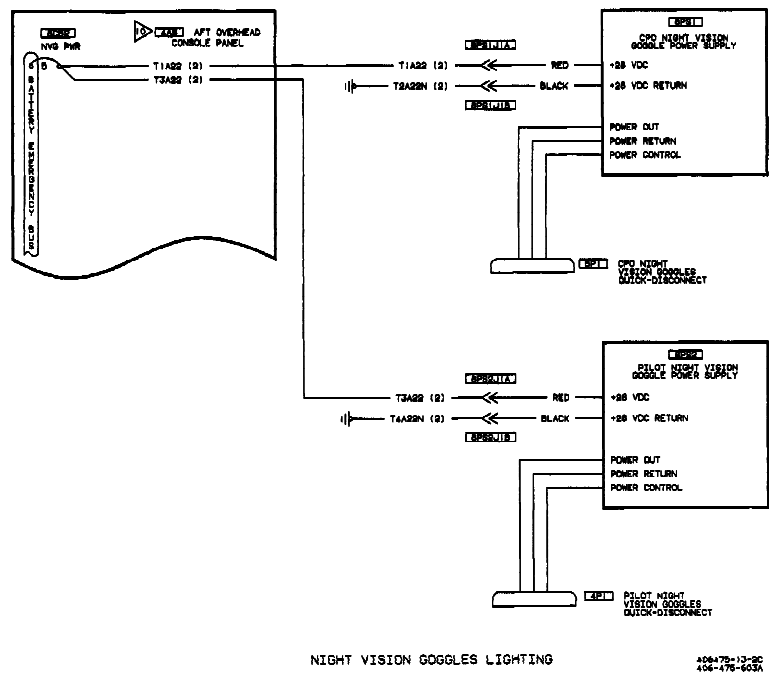
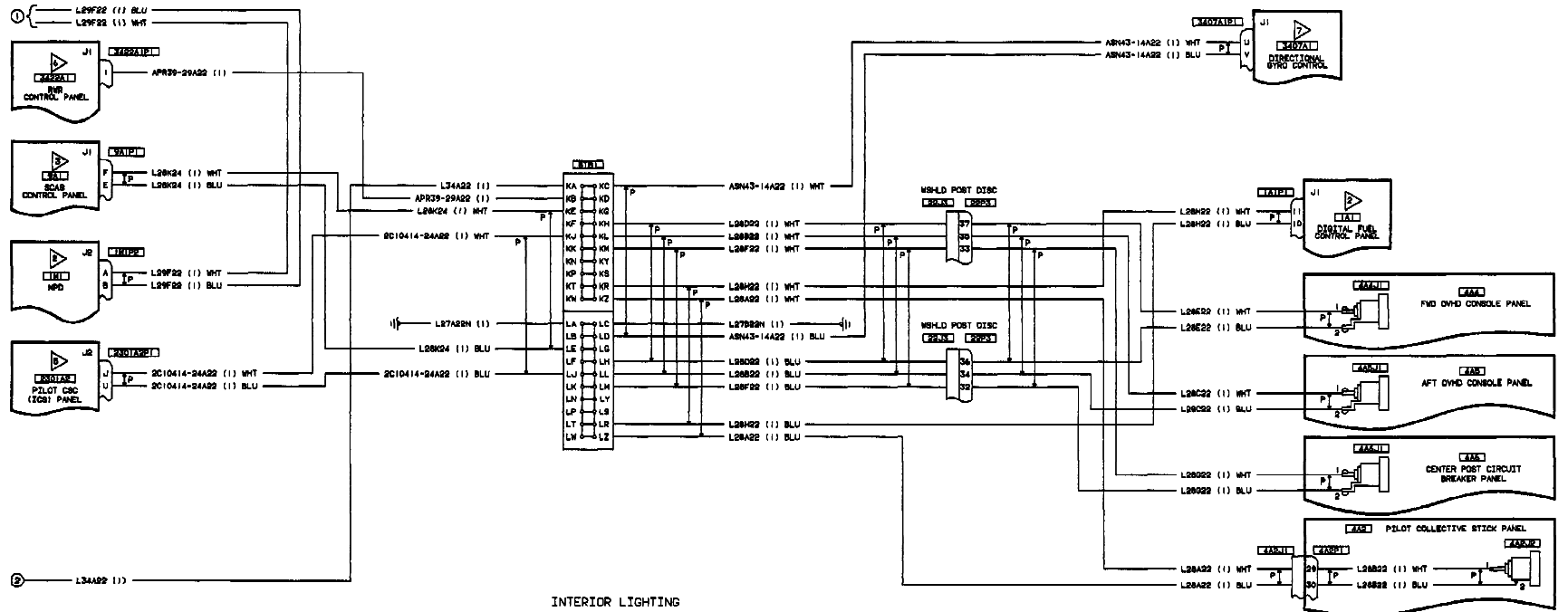


Figure FO-3. Lightening Wiring Diagram (Sheet 2 of 4)

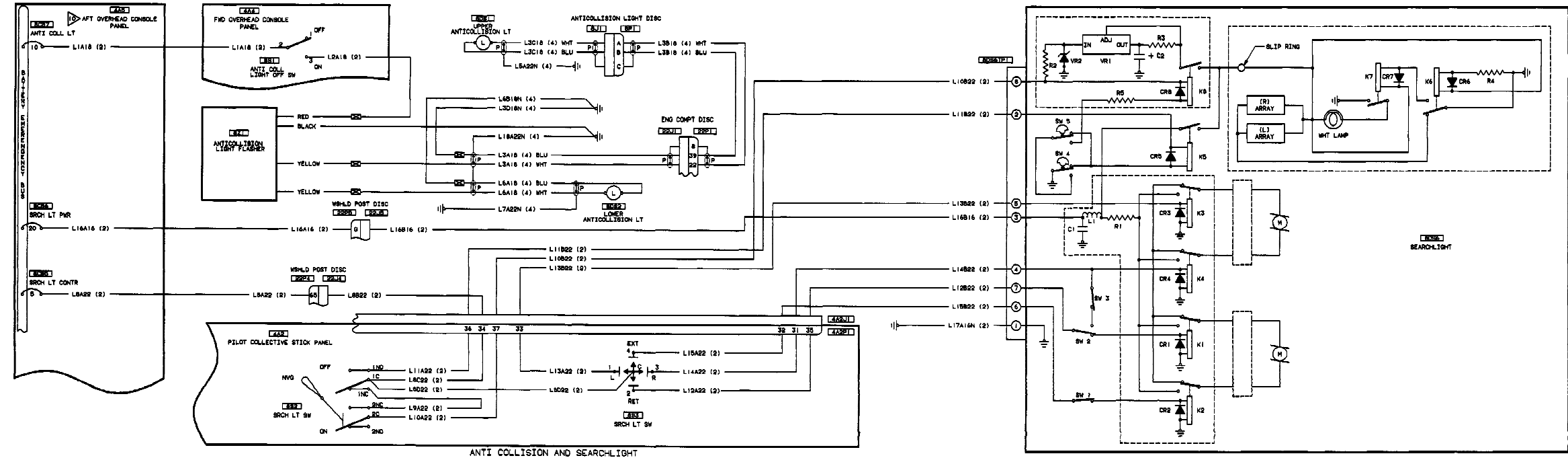
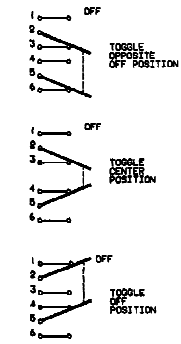
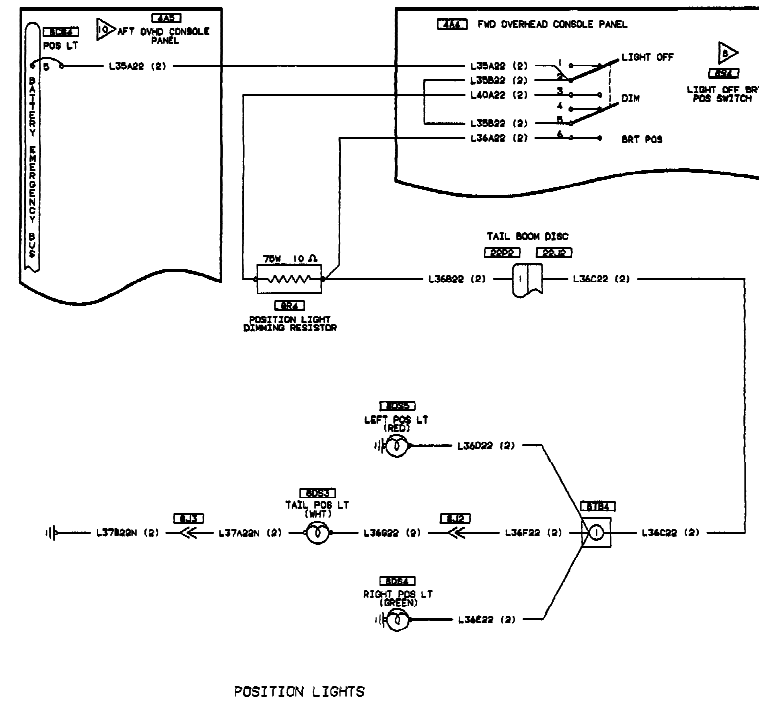
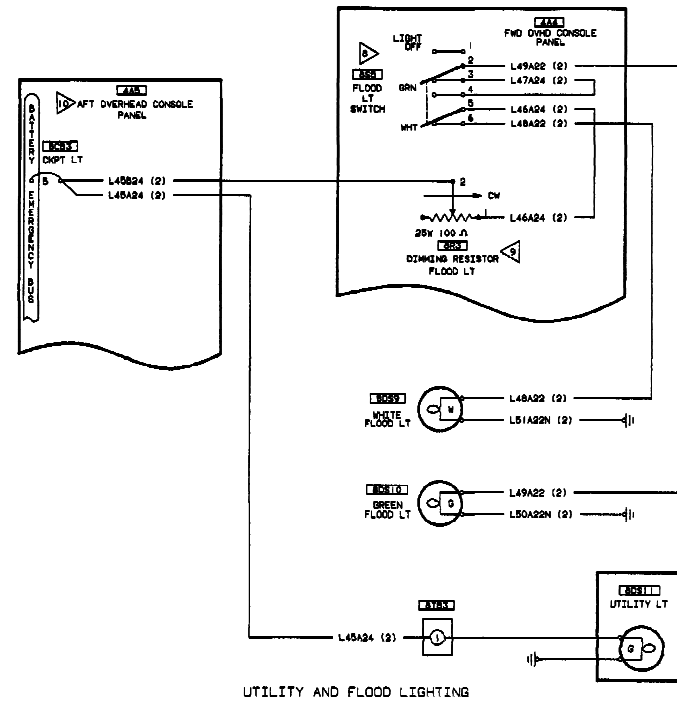
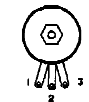


Figure FO-3. Lighting Wiring Diagram (Sheet 3 of 4)



VIEW A  
 SHOWING SWITCH CIRCUIT  
 IN ALL 3 POSITIONS



VIEW B  
 LOOKING AT END  
 OPPOSITE SHAFT

- NOTES**
- 1 REFER TO HHS SYSTEM WIRING DIAGRAM.
  - 2 REFER TO POWER PLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
  - 3 REFER TO SCAS, HYDRAULICS AND STANDBY ATTITUDE SYRO SYSTEM WIRING DIAGRAM.
  - 4 REFER TO CDS SYSTEM WIRING DIAGRAM.
  - 5 REFER TO ICS AND ATIS WIRING DIAGRAM, TM 11-1820-248-23.
  - 6 REFER TO RADAR WARNING WIRING DIAGRAM, TM 11-1820-248-23.
  - 7 REFER TO SYNCHRONISTIC WIRING DIAGRAM, TM 11-1820-248-23.
  - 8 SEE VIEW A FOR TOGGLE SWITCH POSITIONS.
  - 9 SEE VIEW B FOR TERMINAL CONNECTIONS.
  - 10 REFER TO DC POWER SYSTEM WIRING DIAGRAM.

Figure FO-3. Lighting Wiring Diagram (Sheet 4 of 4)



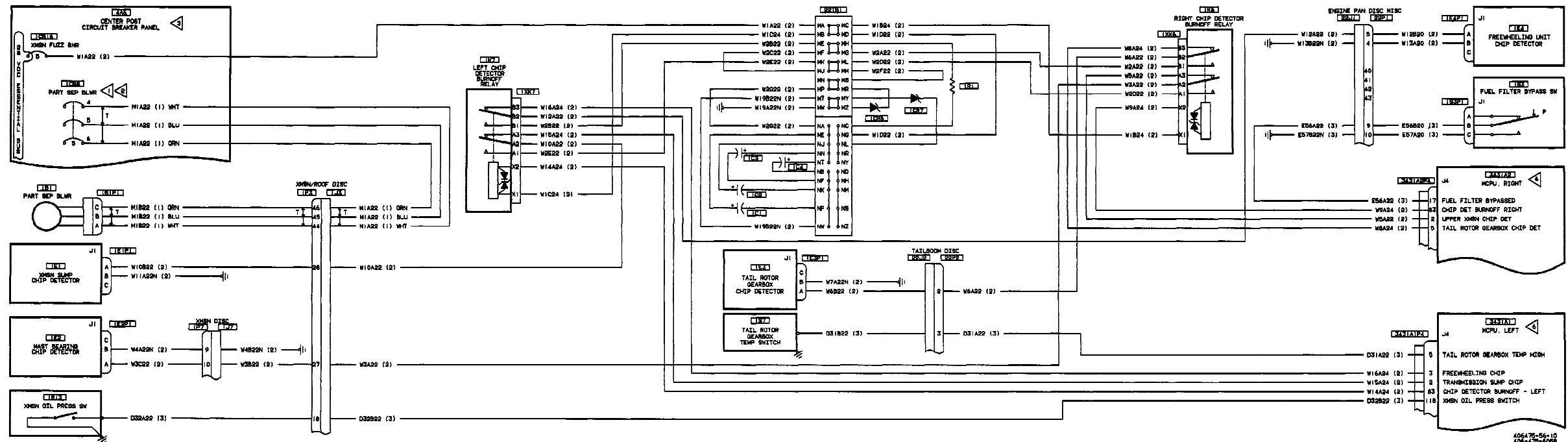


Figure FO-4. Power Plant Transmission Wiring Diagram (Sheet 1 of 8)

406475-56-10  
406-475-6088

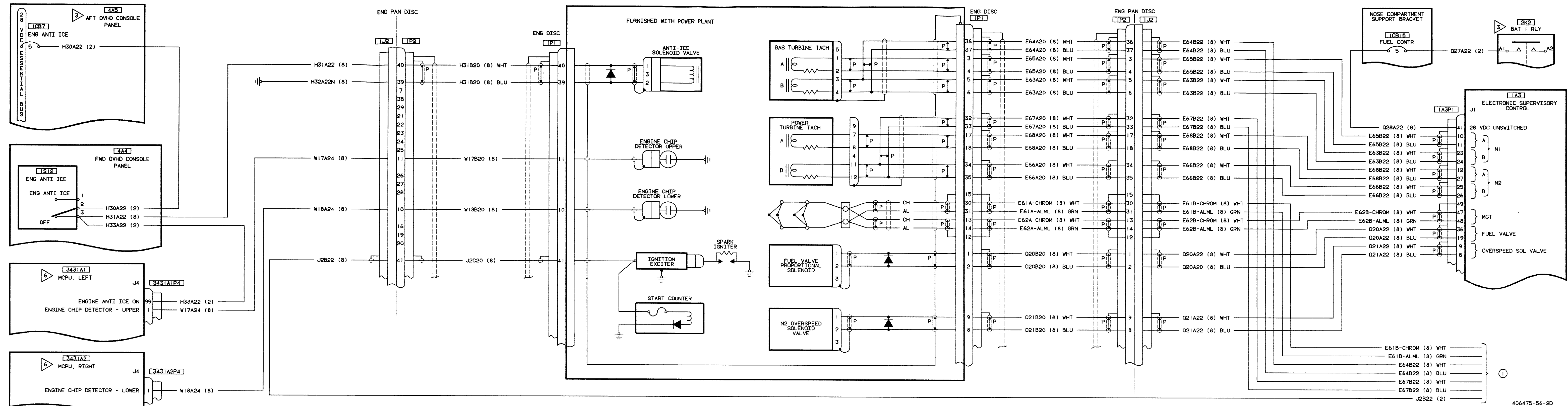


Figure FO-4. Power Plant Transmission Wiring Diagram (Sheet 2 of 8)

406475-56-2D  
406-475-605B



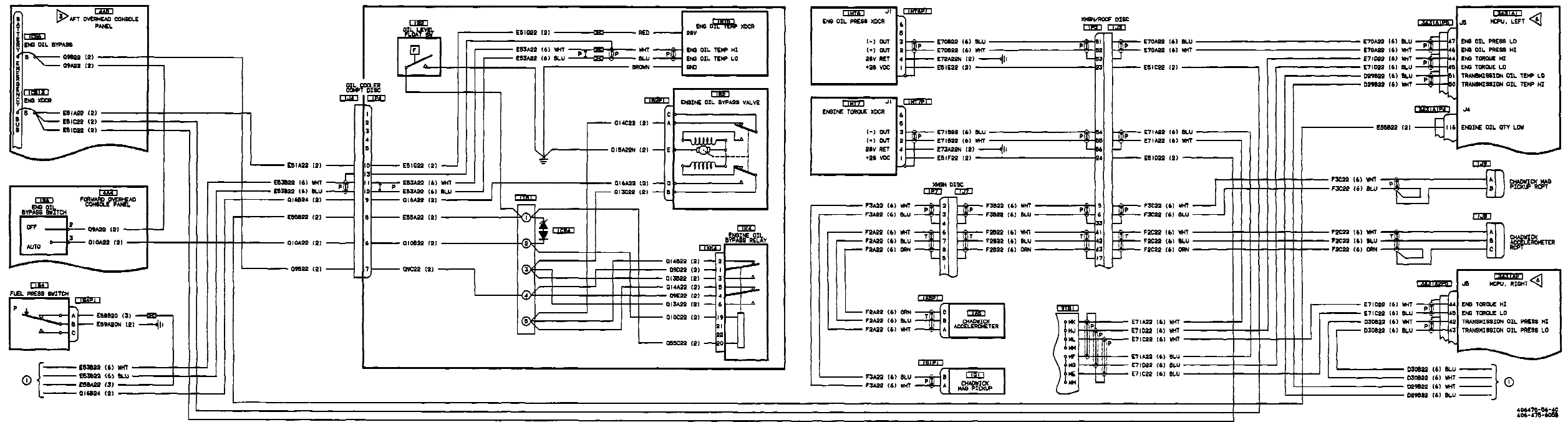
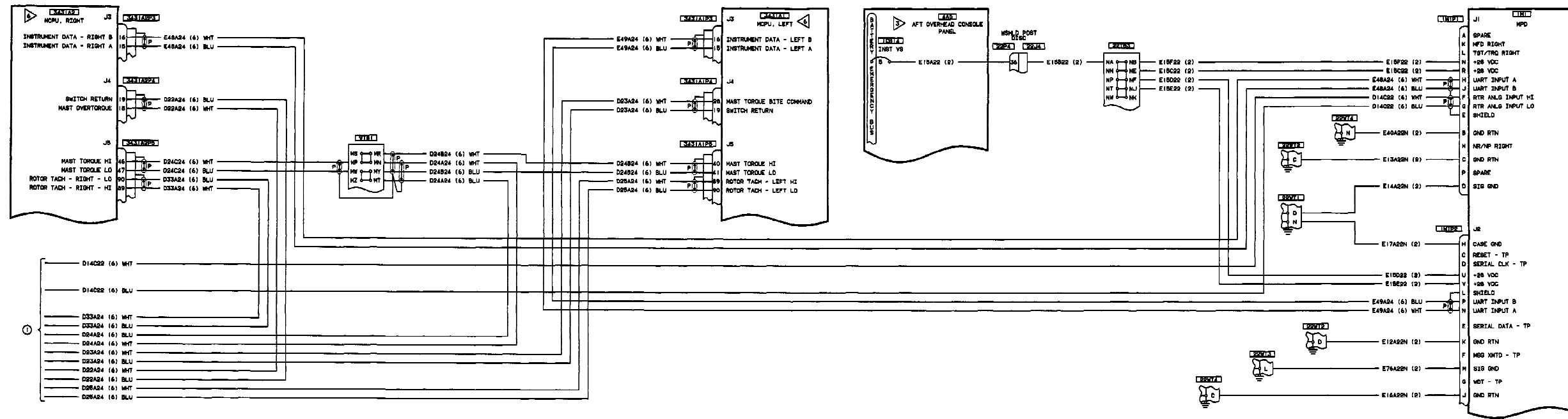


Figure FO-4. Power Plant Transmission Wiring Diagram (Sheet 4 of 8)

496475-54-4C  
496-475-6058





404475-56-9C  
408-475-6008

Figure FO-4. Power Plant Transmission Wiring Diagram (Sheet 6 of 8)



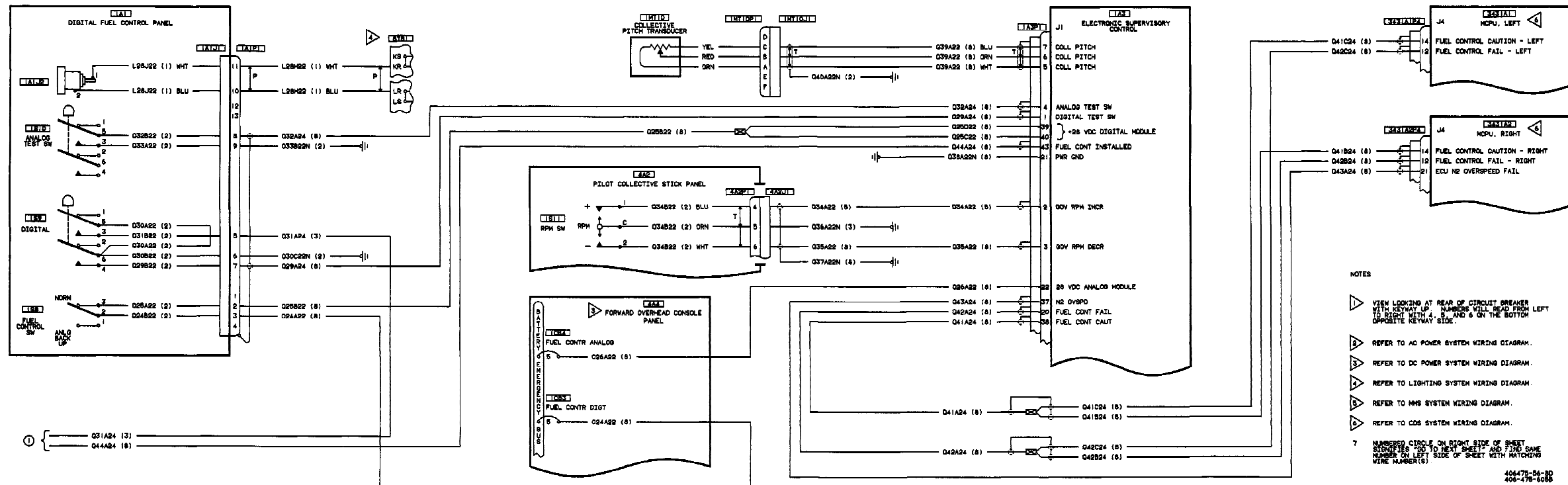
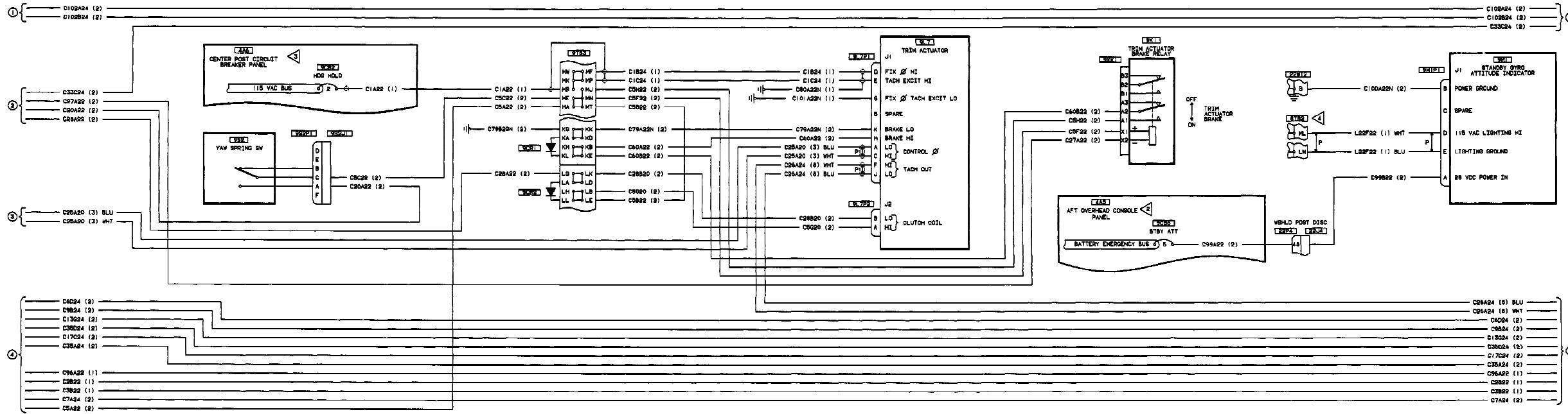


Figure FO-4. Power Plant Transmission Wiring Diagram (Sheet 8 of 8)







40475-11-25  
404-475-601A

Figure FO-5. SCAS Hydraulic, and Standby Attitude Gyro Wiring Diagram (Sheet 2 of 6)

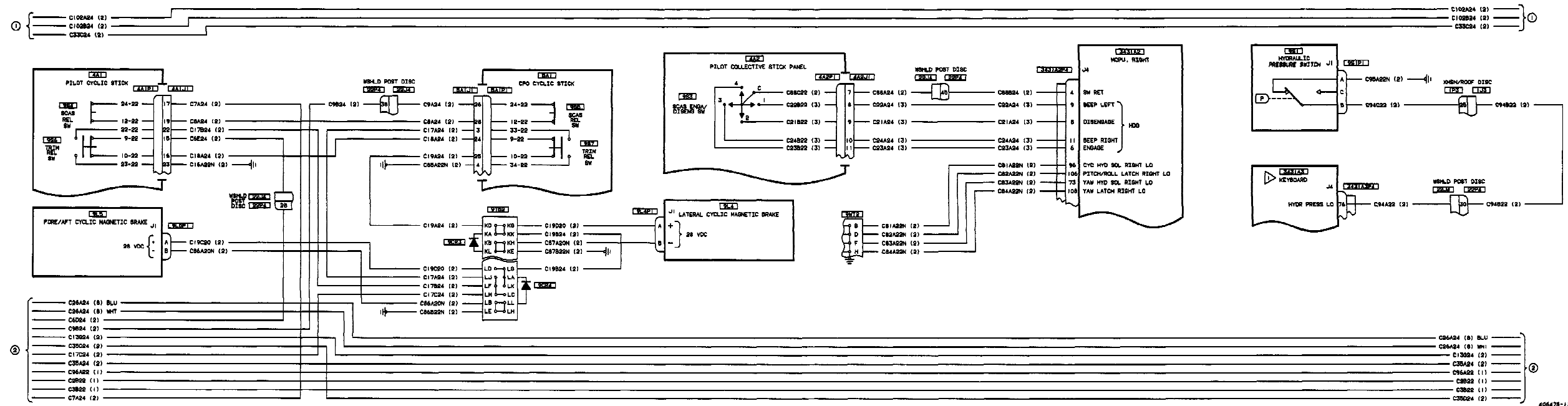


Figure FO-5. SCAS, Hydraulic, and Standby Attitude Gyro Wiring Diagram (Sheet 3 of 6)

406478-11-32  
406-478-806A

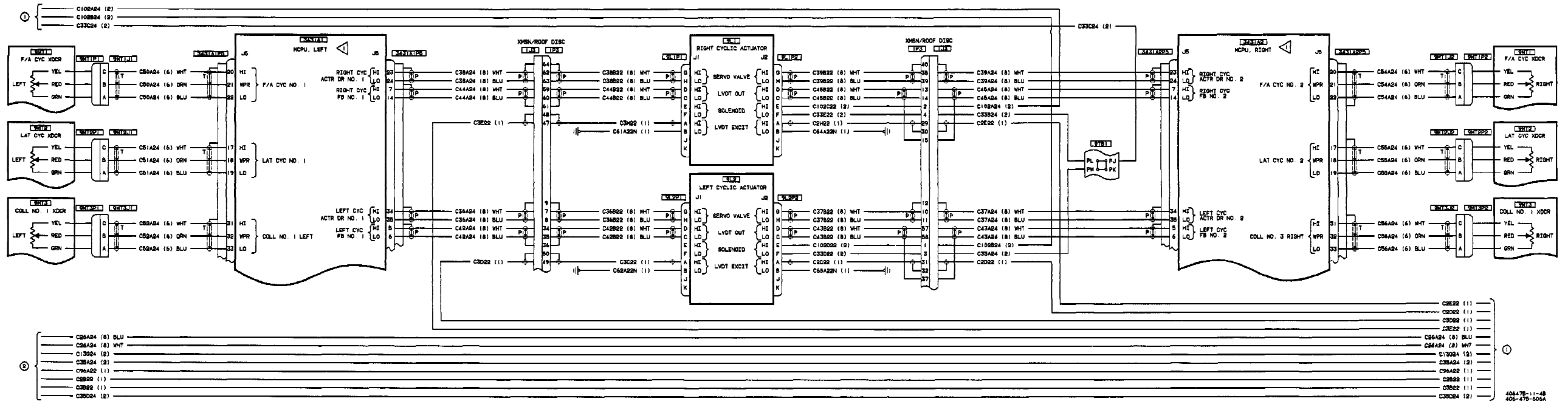


Figure FO-5. SCAS, Hydraulic, and Standby Attitude Gyro Wiring Diagram (Sheet 4 of 6)











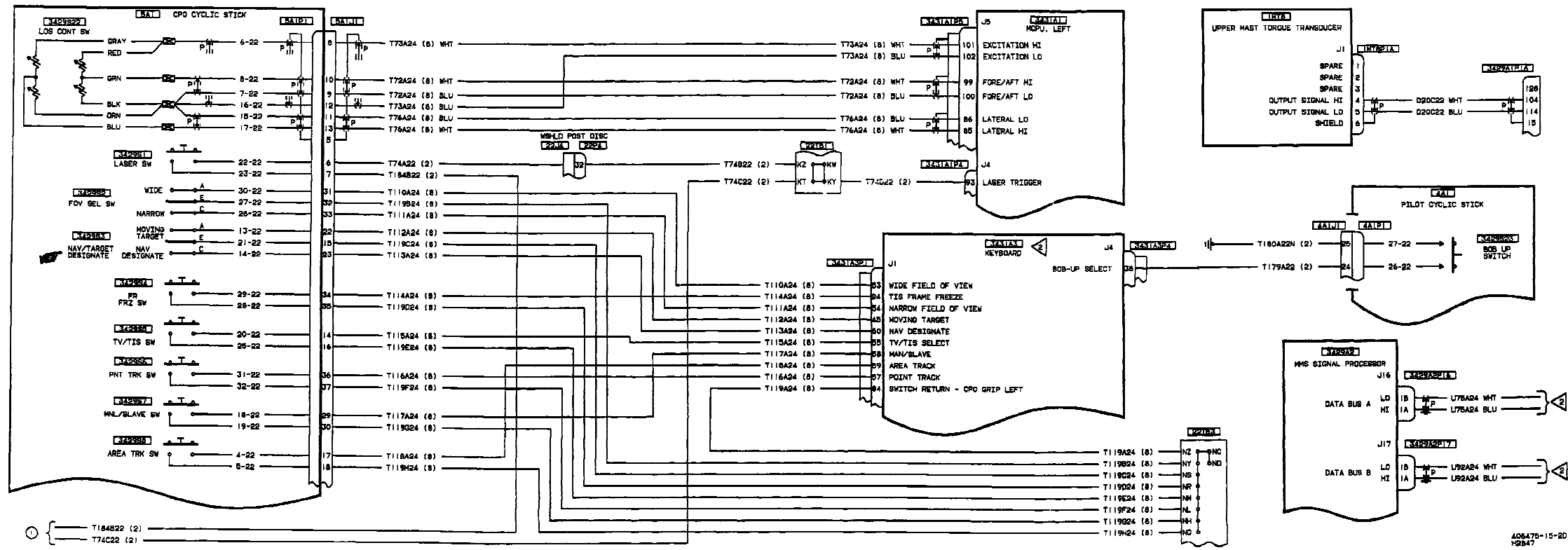
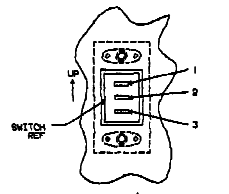
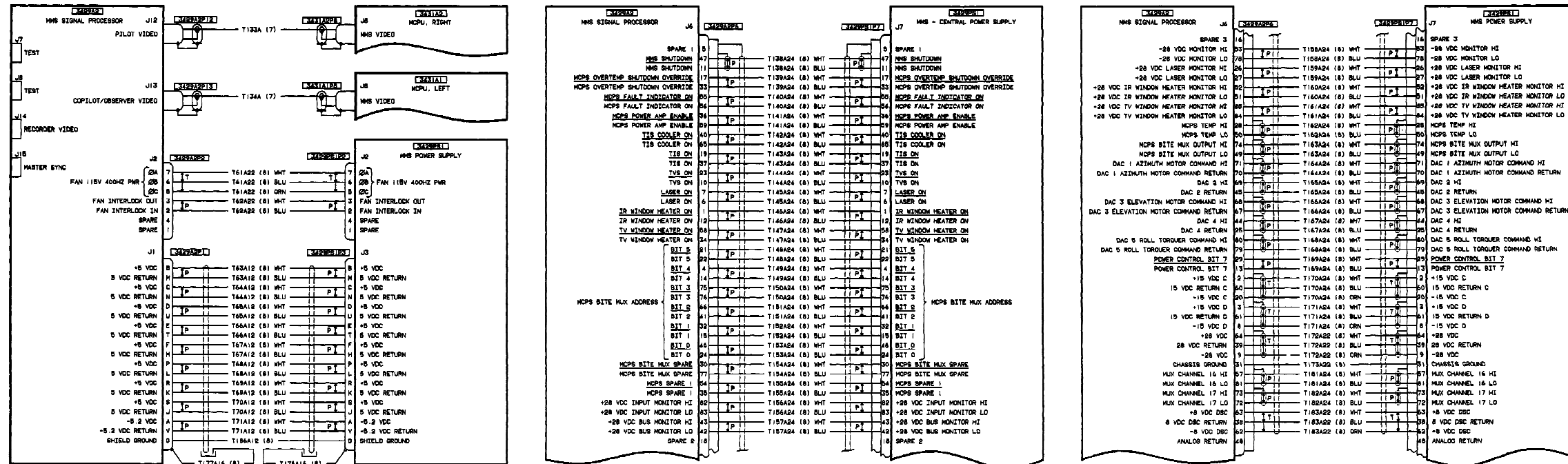


Figure FO-7. MMS Wiring Diagram (Sheet 2 of 4)

406475-15-20  
12847





VIEW A  
VIEW LOOKING AT REAR OF SWITCH AS INSTALLED IN PANEL TO SHOW SWITCH IDENTIFICATION.

- NOTES
- 1 REFER TO POWER BLUNT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
  - 2 REFER TO COS SYSTEM WIRING DIAGRAM.
  - 3 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 4 REFER TO AC POWER SYSTEM WIRING DIAGRAM.
  - 5 REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
  - 6 FURNISHED CONNECTOR CONTACT IDENTIFICATION FOR TERMINATING A 5-CONDUCTOR SHIELDED BICHERED CABLE SHALL BE AS FOLLOWS:  
2 = PIN CONTACT  
3 = SOCKET CONTACT
  - 7 SEE VIEW A FOR SWITCH TERMINAL IDENTIFICATION
  - 8 SEE VIEW A FOR SWITCH TERMINAL IDENTIFICATION
  - 9 NUMBERED CIRCLE ON RIGHT SIDE OF SHEET IDENTIFIES WIRE TO NEXT SHEET\*  
\*WIRE NUMBER ON LEFT SIDE OF SHEET WITH MATCHING WIRE NUMBER(S).

406476-15-4D  
406-476-606A

Figure FO-7. MMS Wiring Diagram (Sheet 4 of 4)

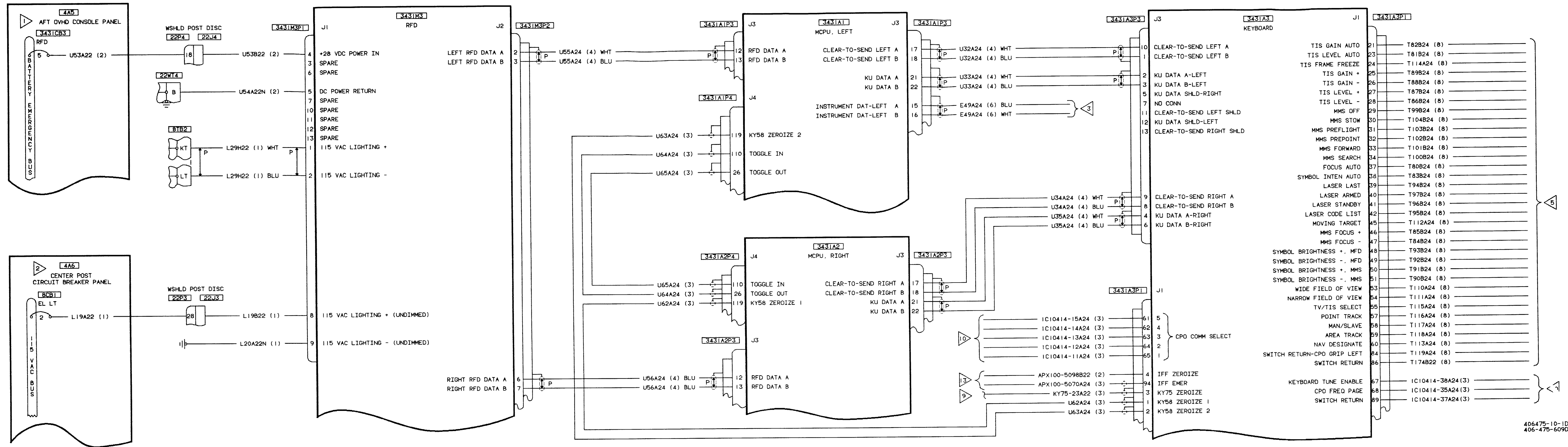


Figure FO-8. CDS Wiring Diagram (Sheet 1 of 9)

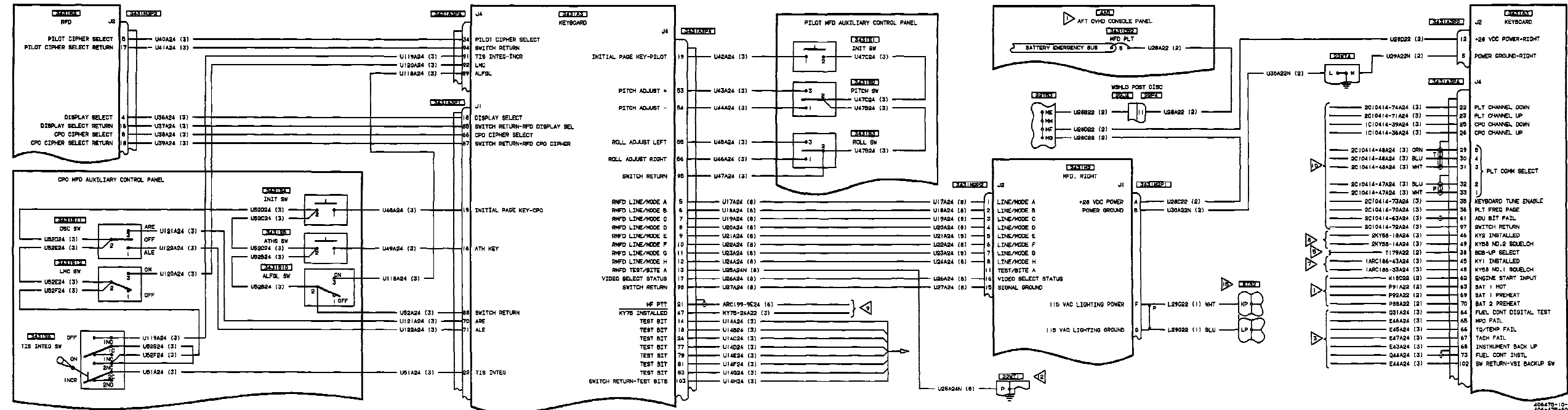
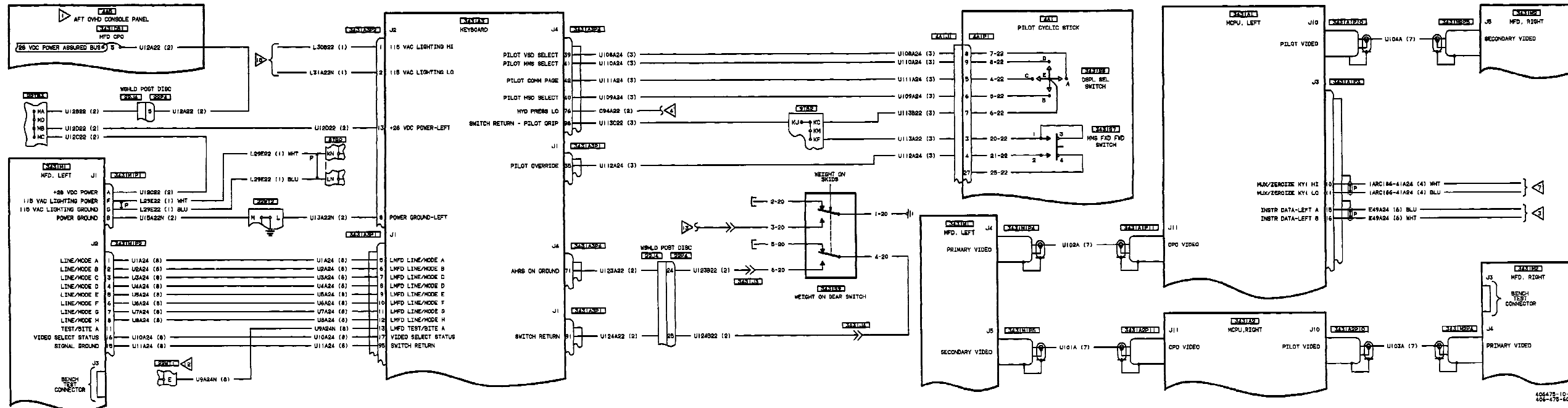


Figure FO-8. CDS Wiring Diagram (Sheet 2 of 9)

406475-10-2E  
406475-4090



406475-10-3E  
406-475-6090

Figure FO-8. CDS Wiring Diagram (Sheet 3 of 9)

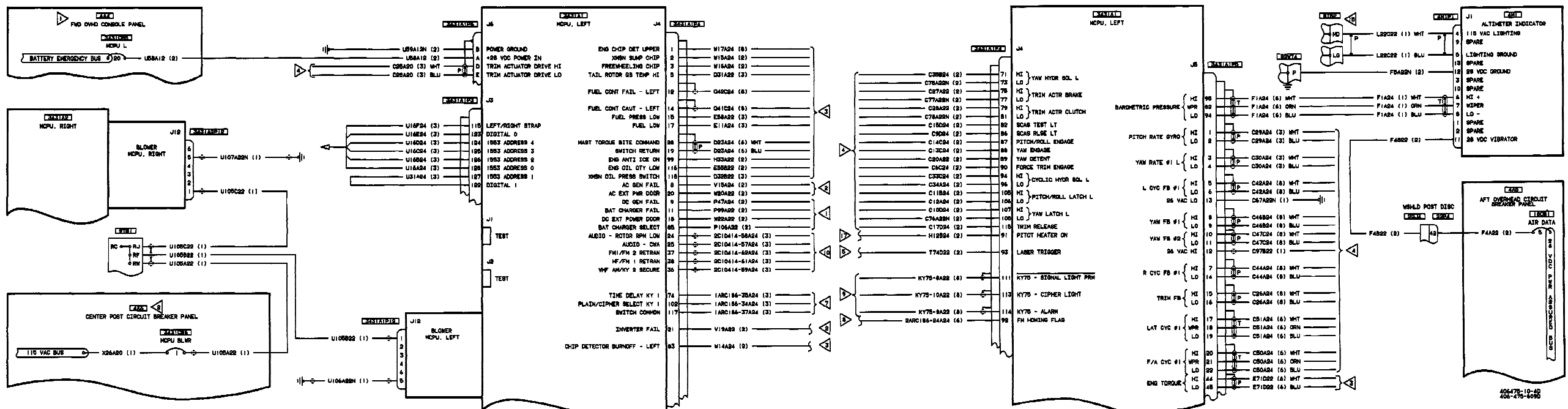
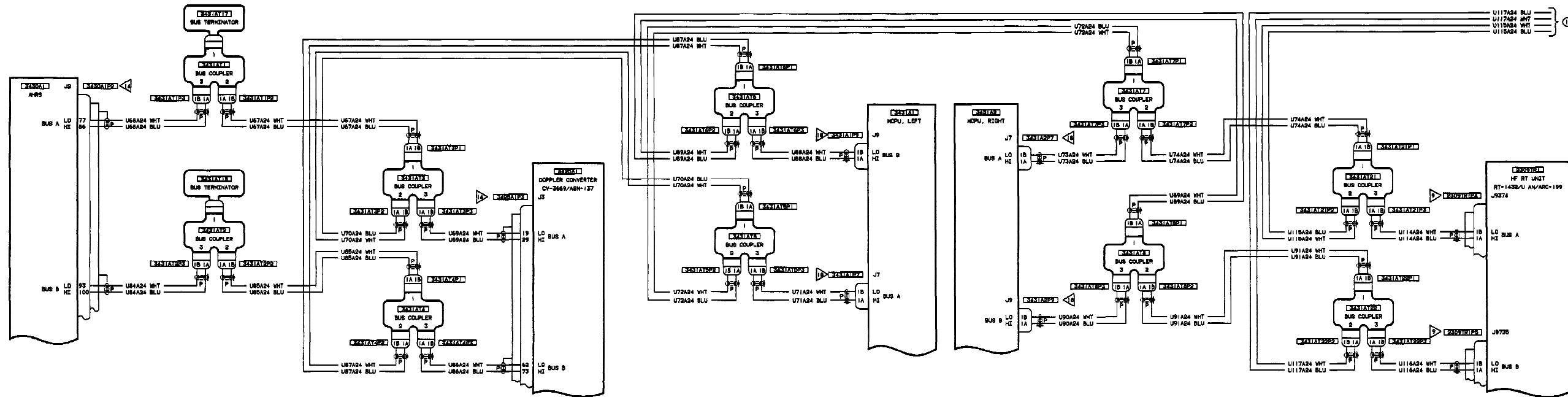


Figure FO-8 CDS Wiring Diagram (Sheet 4 of 9)

406475-10-02  
406-475-6090







404475-10-82  
406-475-6096

Figure FO-8. CDS Wiring Diagram (Sheet 6 of 9)

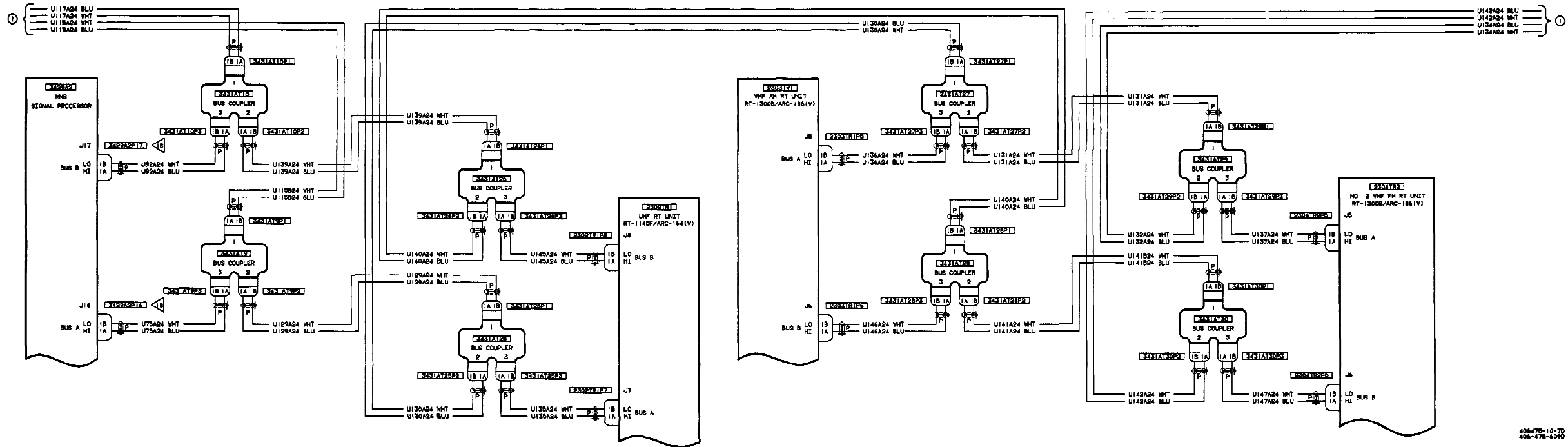


Figure FO-8. CDS Wiring Diagram (Sheet 7 of 9)

408475-10-7D  
408-475-6095

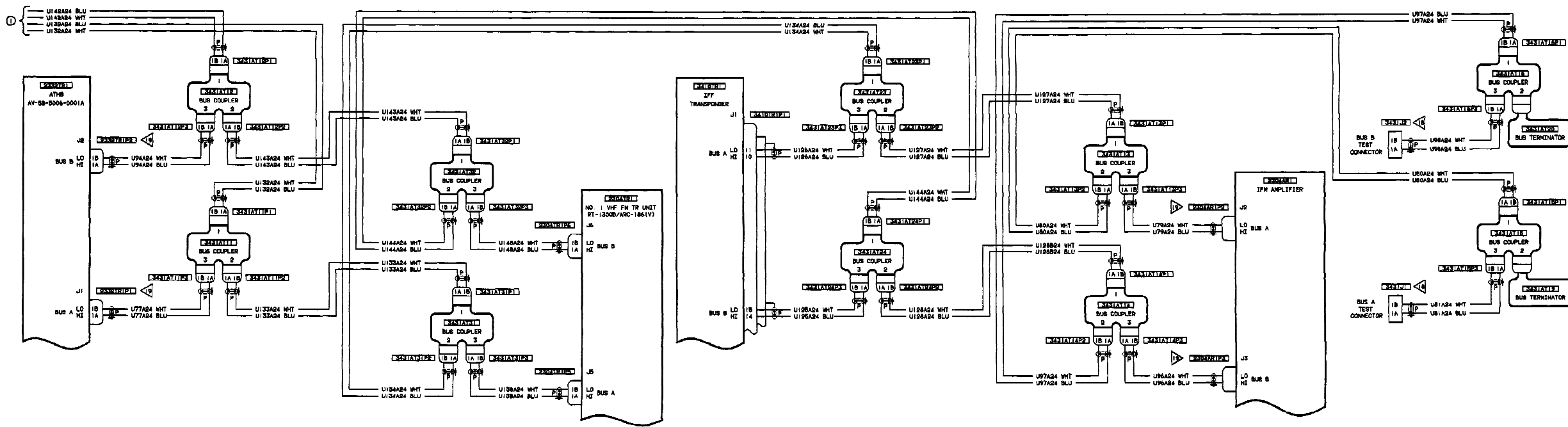
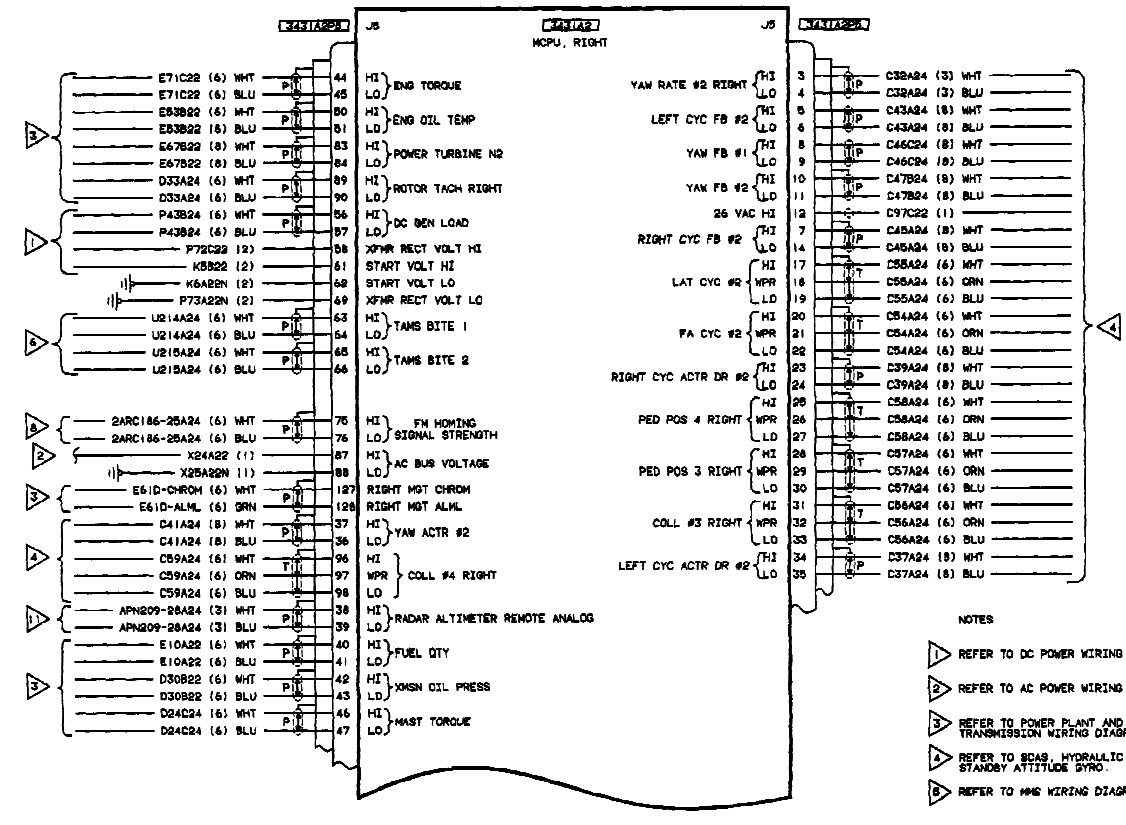
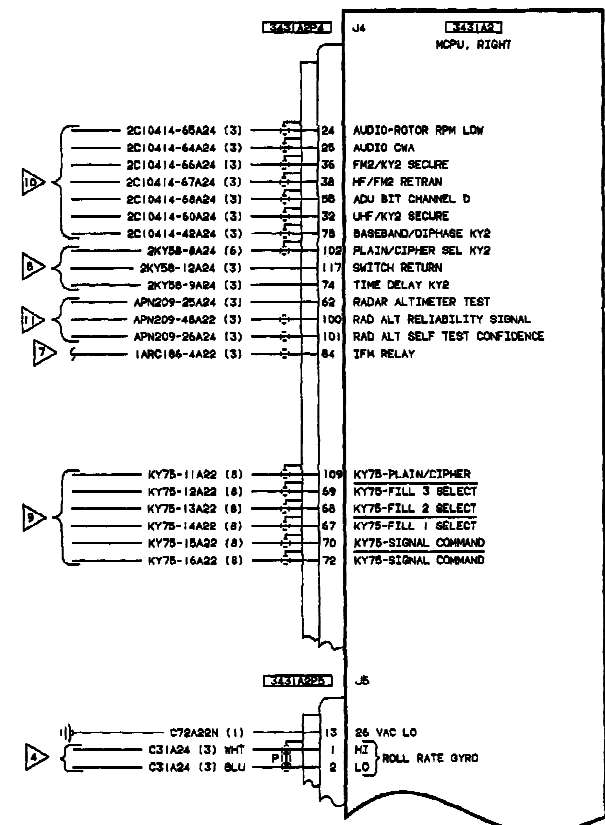


Figure FO-8. CDS Wiring Diagram (Sheet 8 of 9)

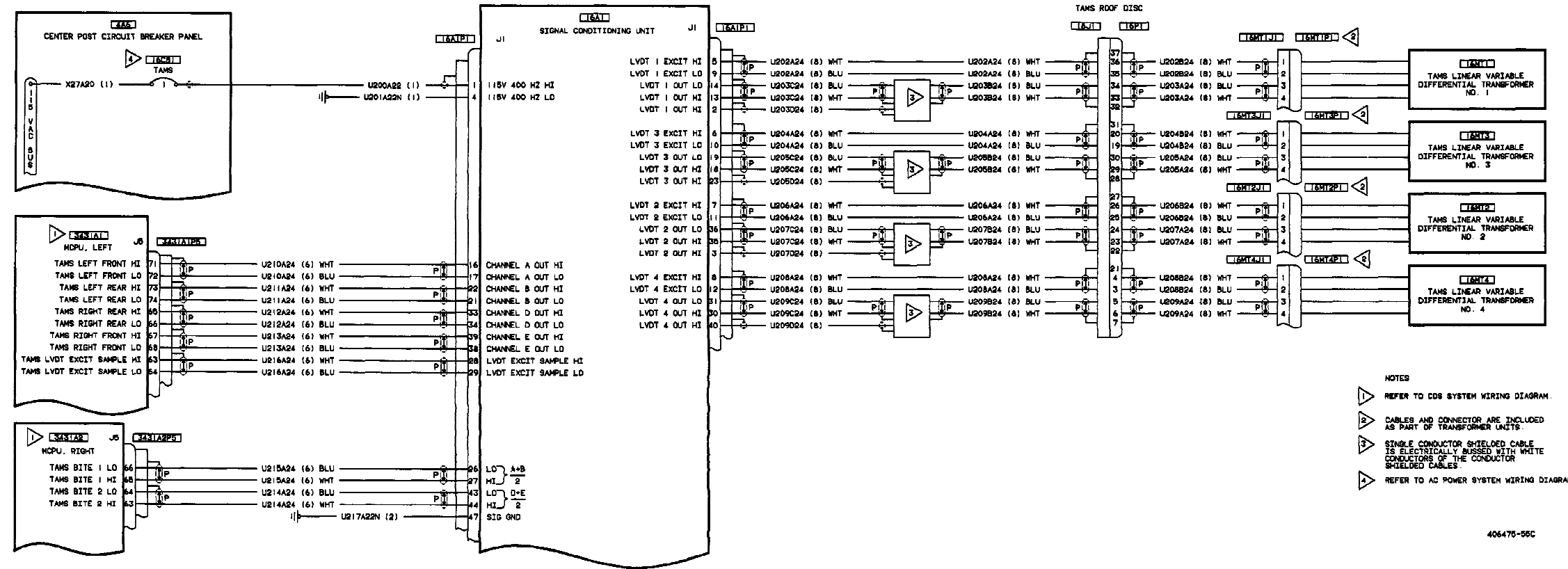


- 1 REFER TO TRANSMISSION ALIGNMENT MEASUREMENT SYSTEM WIRING DIAGRAM.
- 2 REFER TO NO. 1 VHF FM WIRING DIAGRAM TM 11-1520-248-23.
- 3 REFER TO NO. 2 VHF FM WIRING DIAGRAM TM 11-1520-248-23.
- 4 REFER TO HF WIRING DIAGRAM TM 11-1520-248-23.
- 5 REFER TO ICS WIRING DIAGRAM TM 11-1520-248-23.
- 6 REFER TO RADAR ALTIMETER WIRING DIAGRAM TM 11-1520-248-23.
- 7 REFER TO ADS SYSTEM WIRING DIAGRAM.
- 8 REFER TO IFF WIRING DIAGRAM TM 11-1520-248-23.
- 9 REFER TO DOPPLER NAVIGATION WIRING DIAGRAM TM 11-1520-248-23.
- 10 REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
- 11 REFER TO AMRS WIRING DIAGRAM TM 11-1520-248-23.
- 12 REFER TO ENVIRONMENTAL ELECTRICAL SYSTEM WIRING DIAGRAM.
- 13 CONNECTOR CONTACT SUFFIX LETTERS ARE DEFINED AS FOLLOWS:  
A-DENOTES CONNECTOR CONTACT INNER CONDUCTOR  
B-DENOTES CONNECTOR CONTACT OUTER CONDUCTOR  
ONE CONTACT IS REQUIRED FOR TWO WIRES PER CONTACT CAVITY
- 14 WHEN INSTALLING A TWISTED SHIELDED PAIR IN A TRIAX TYPE CONNECTOR, TERMINATIONS ARE DEFINED AS FOLLOWS:  
BLU = CENTER CONDUCTOR (HI)  
WHT = INTERMEDIATE CONDUCTOR (LO)
- 20 NUMBERED CIRCLE ON RIGHT SIDE SIGNIFIES #20 TO NEXT SHEET AND FIND SAME NUMBER ON LEFT SIDE OF SHEET WITH MATCHING NUMBER(S).

- NOTES
- 1 REFER TO DC POWER WIRING DIAGRAM.
  - 2 REFER TO AC POWER WIRING DIAGRAM.
  - 3 REFER TO POWER PLANT AND TRANSMISSION WIRING DIAGRAM.
  - 4 REFER TO SDAS, HYDRAULIC, AND STANDBY ATTITUDE GYRO.
  - 5 REFER TO HHS WIRING DIAGRAM.

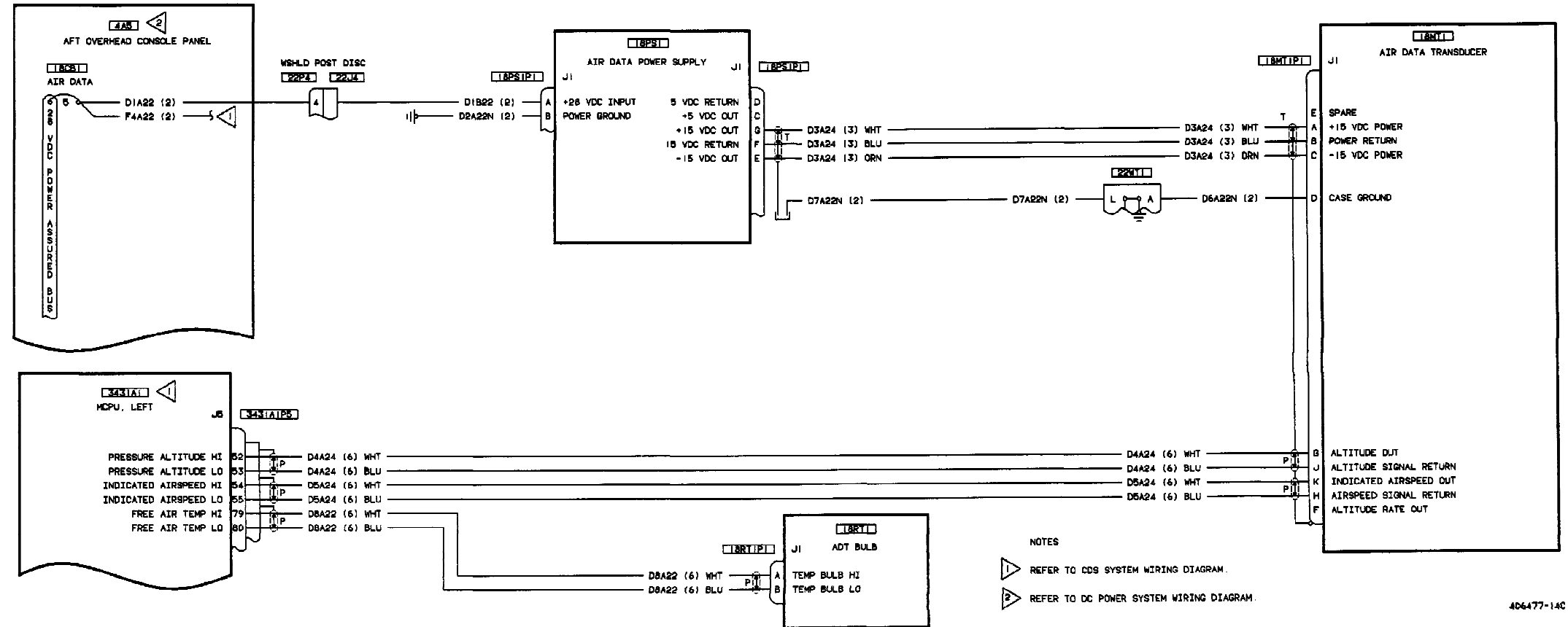
406475-(0-90)  
406-478-6090

Figure FO-8. CDS Wiring Diagram (Sheet 9 of 9)



406470-55C

Figure FO-9. TAMS Wiring Diagram



406477-14C

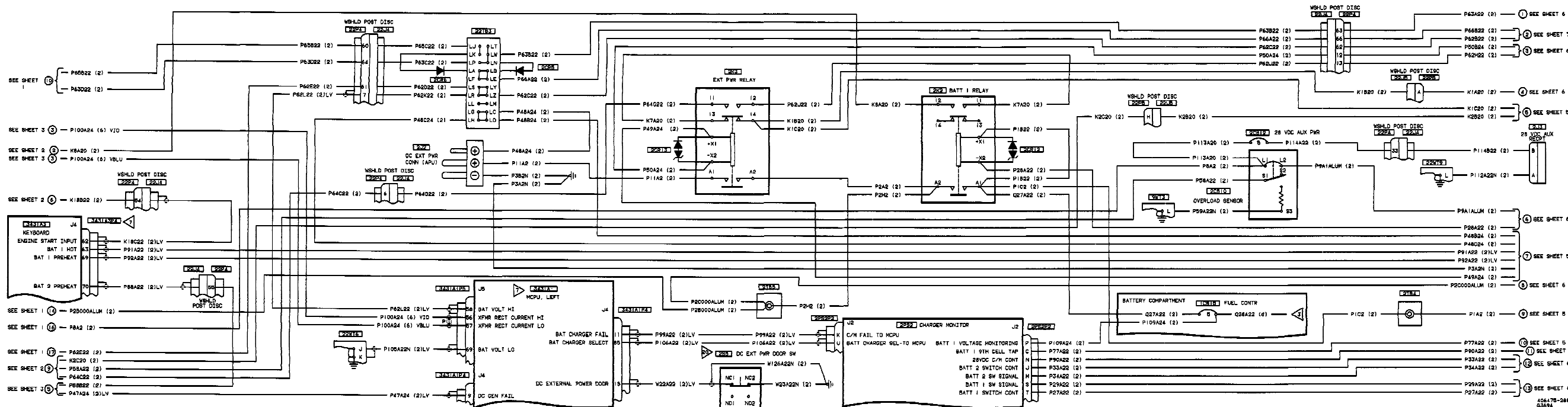
Figure FO-10. ADS Wiring Diagram



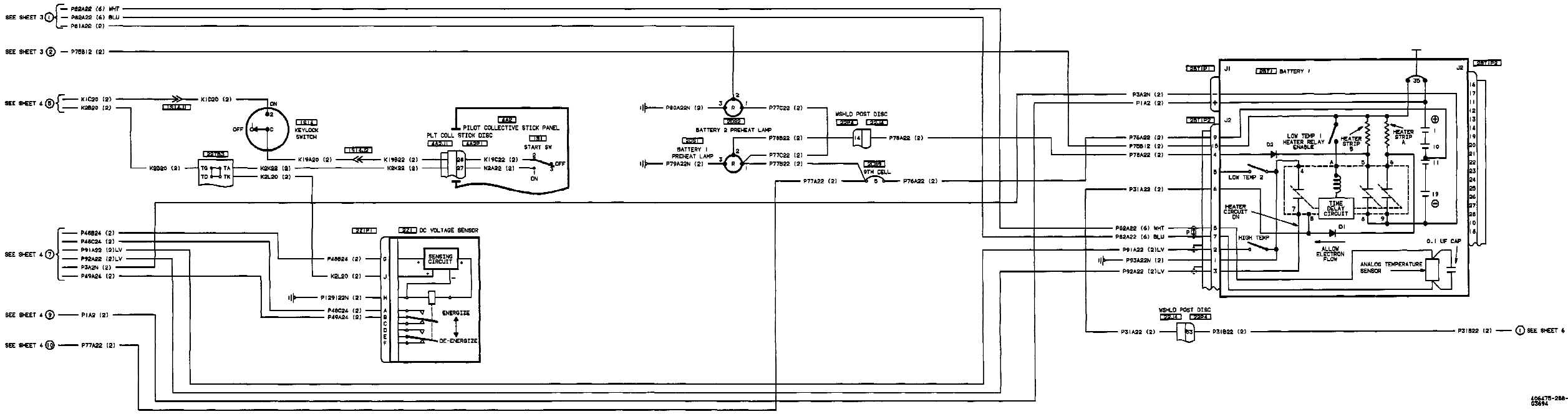






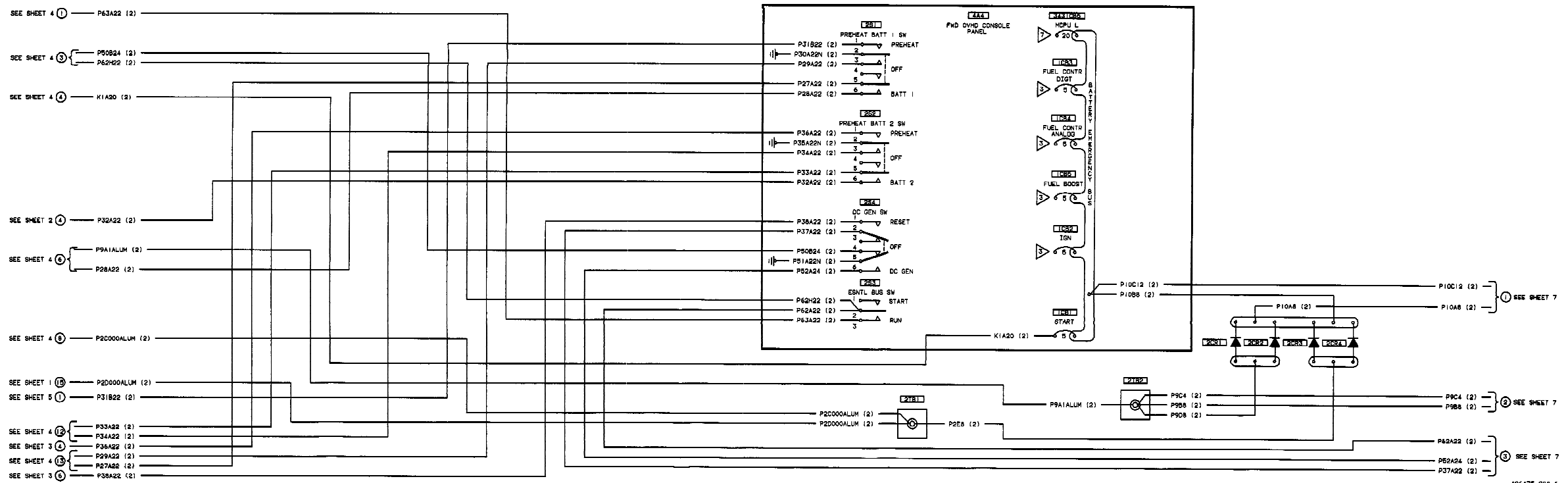


FO-11. DC Power System Wiring Diagram (Sheet 4 of 8)



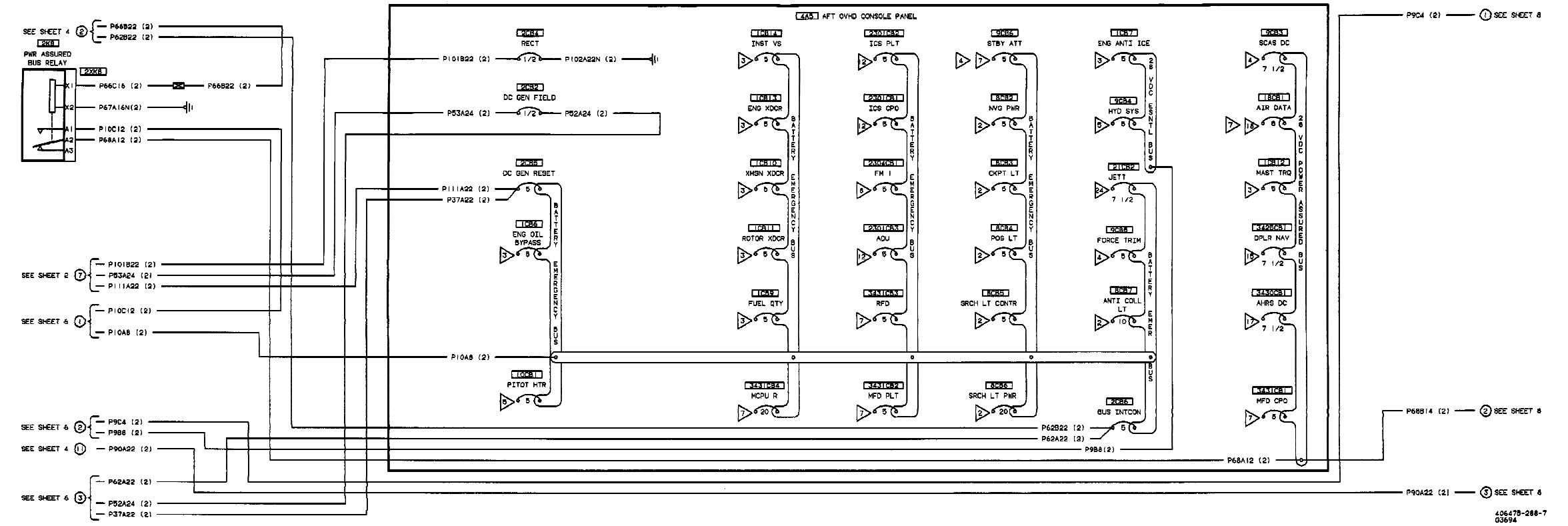
FO-11. DC Power System Wiring Diagram (Sheet 5 of 8)

406475-288-5  
63694

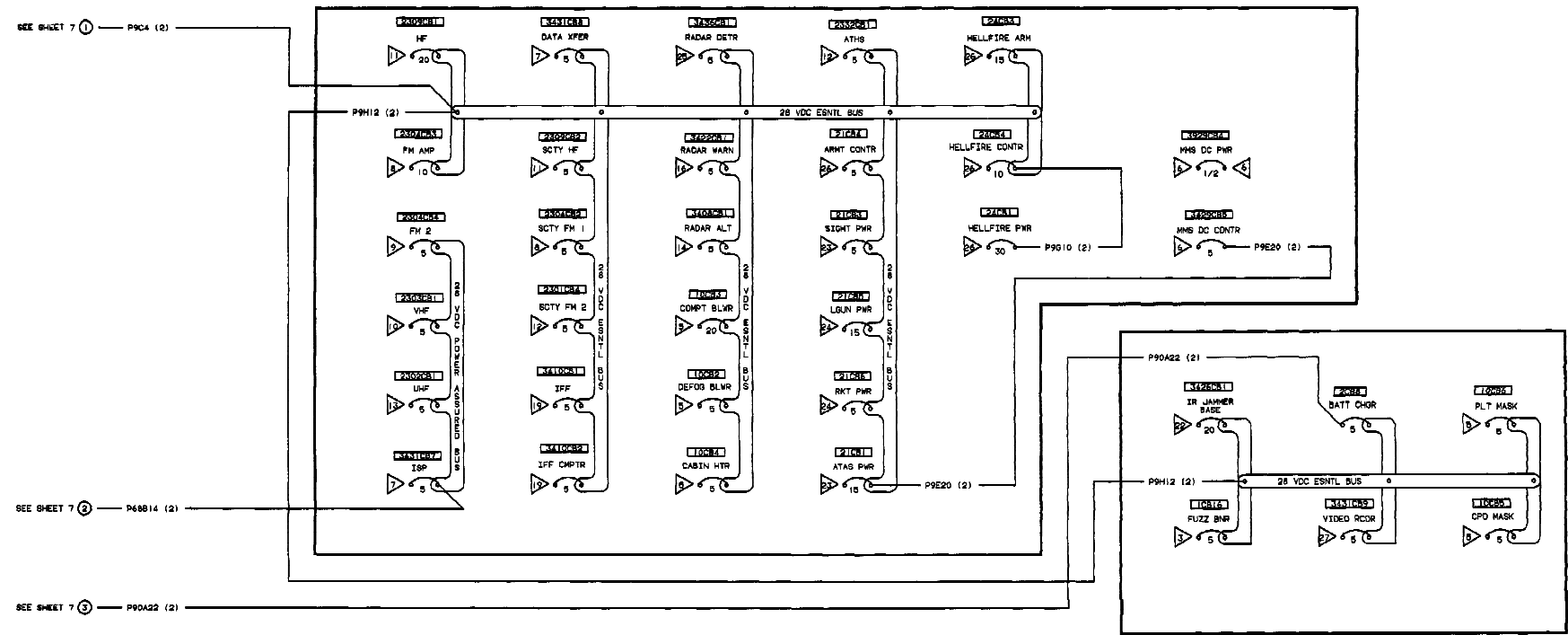


FO-11. DC Power System Wiring Diagram (Sheet 6 of 8)

406475-285-5  
03694



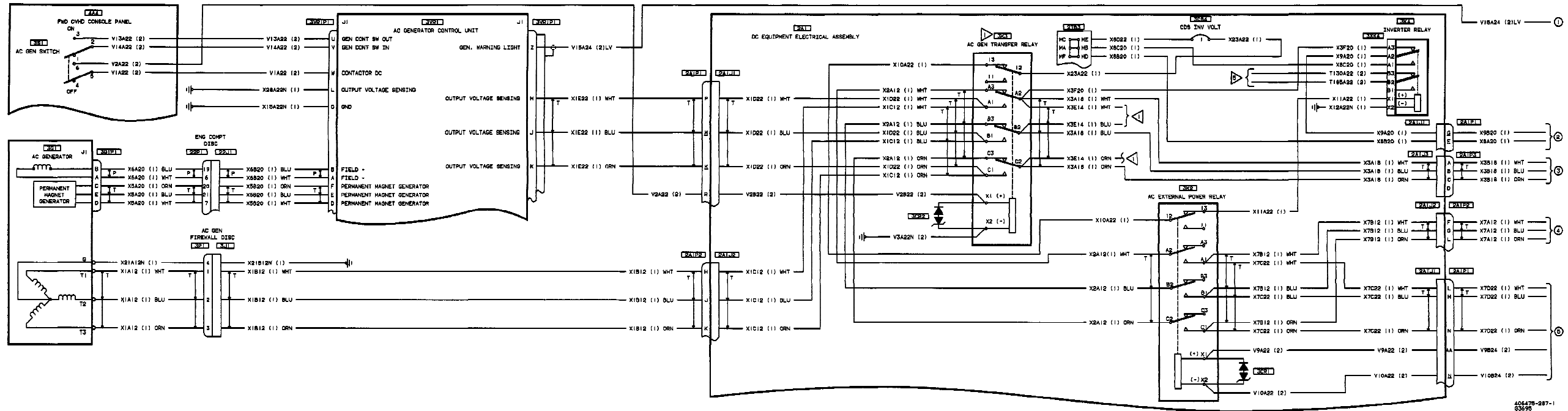
FO-11. DC Power System Wiring Diagram (Sheet 7 of 8)



- NOTES
- REFER TO AC POWER SYSTEM WIRING DIAGRAM.
  - REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
  - REFER TO POWER PLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
  - REFER TO SCAS, HYDRAULIC, AND STANDBY ATTITUDE CYRO SYSTEM WIRING DIAGRAM.
  - REFER TO ENVIRONMENTAL SYSTEM WIRING DIAGRAM.
  - REFER TO HMS SYSTEM WIRING DIAGRAM.
  - REFER TO CDS SYSTEM WIRING DIAGRAM.
  - REFER TO NO. 1 VHF FM WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO NO. 2 VHF FM WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO VHF AM WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO HF WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO ICS WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO UHF WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO RADAR ALTIMETER WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO DOPPLER NAVIGATION WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO RADAR WARNING WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO AHS WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO ADS SYSTEM WIRING DIAGRAM.
  - REFER TO IFF WIRING DIAGRAM TM 11-1520-248-23.
  - SEE VIEW A FOR IDENTIFICATION OF SWITCH TERMINALS.
- 21 NUMBERED CIRCLE ON RIGHT SIDE OF SHEET IDENTIFIES "SEE SHEET" AND FIND SAME NUMBER ON LEFT SIDE OF SHEET WITH MATCHING WIRE NUMBER (S).
  - REFER TO IR JAMMER AN/ALQ-144 WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO ATAS SYSTEM WIRING DIAGRAM.
  - REFER TO GUN AND ROCKETS WIRING DIAGRAM.
  - REFER TO AN/APR-44 RADAR DETECTOR WIRING DIAGRAM.
  - REFER TO HELLFIRE WIRING DIAGRAM.
  - REFER TO VIDEO TAPE RECORDER WIRING DIAGRAM.



406470-288-8  
63694



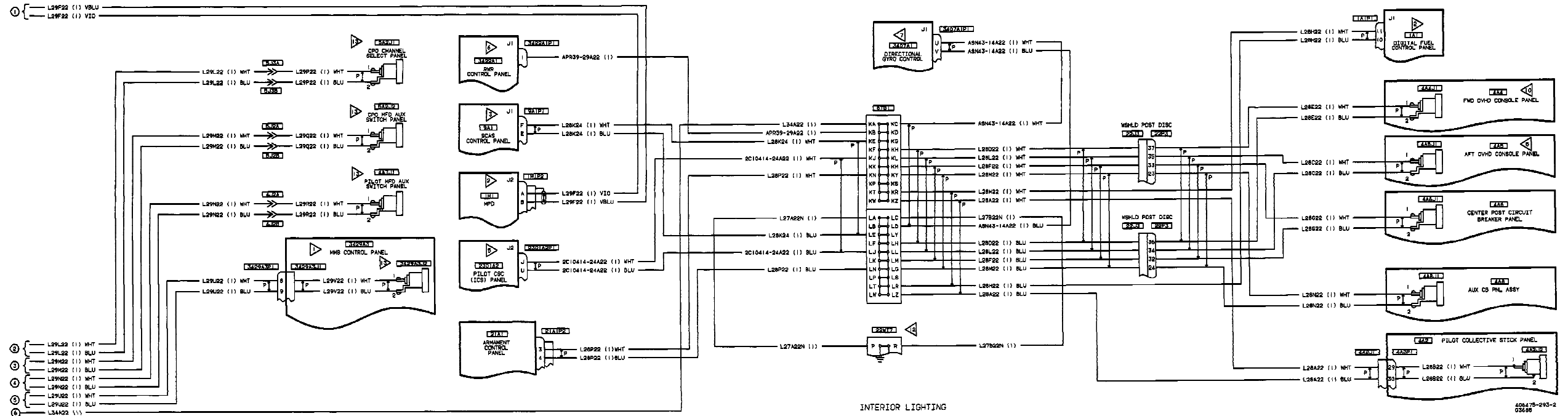
FO-12. AC Power System Wiring Diagram (Sheet 1 of 2)

406475-287-1  
03695



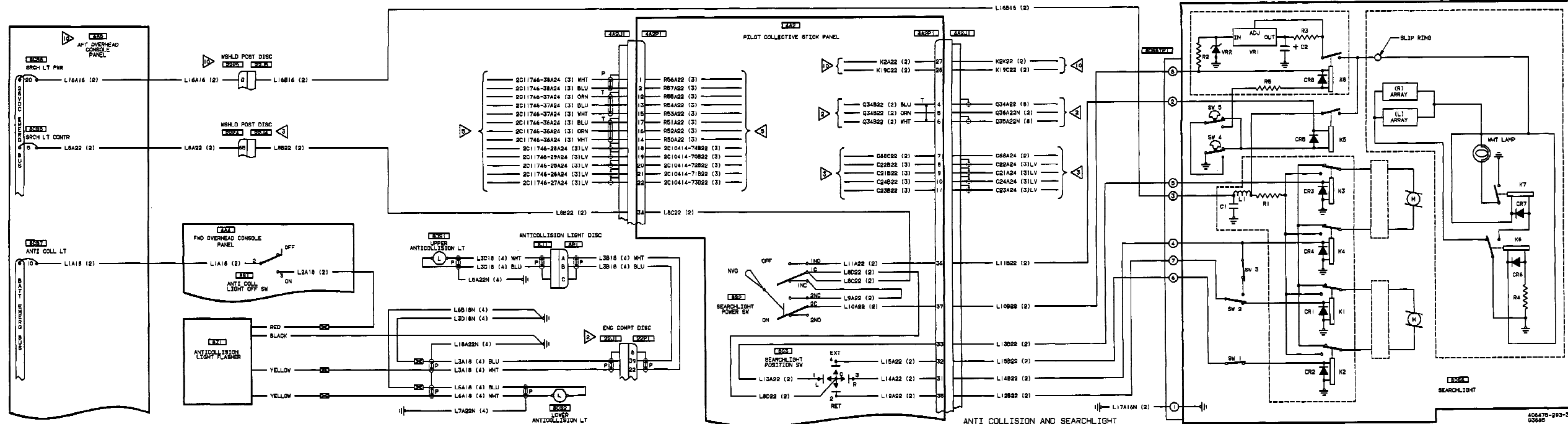


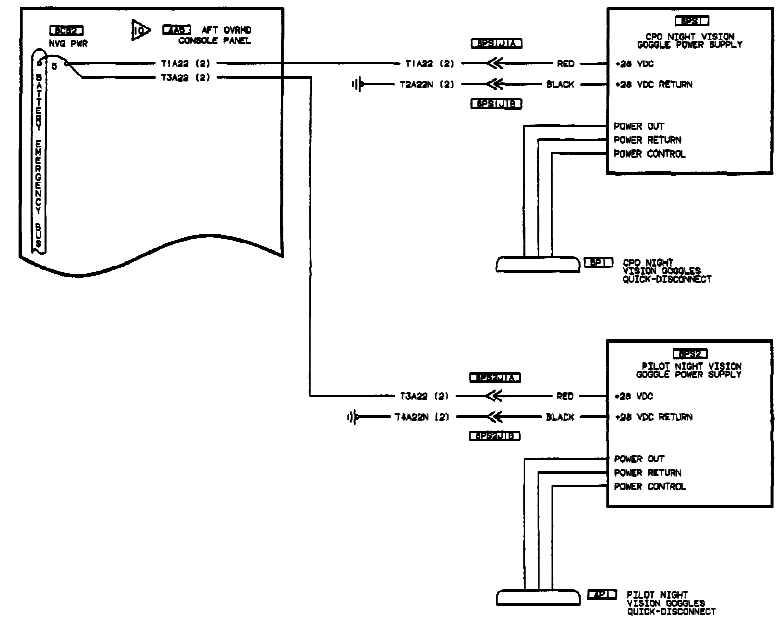




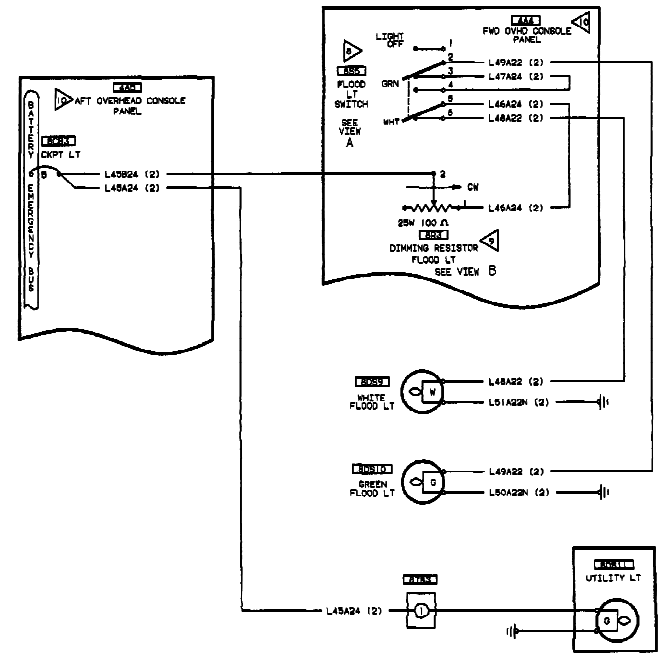
FO-13. Lighting Systems Wiring Diagram (Sheet 2 of 5)

408475-293-2  
03686

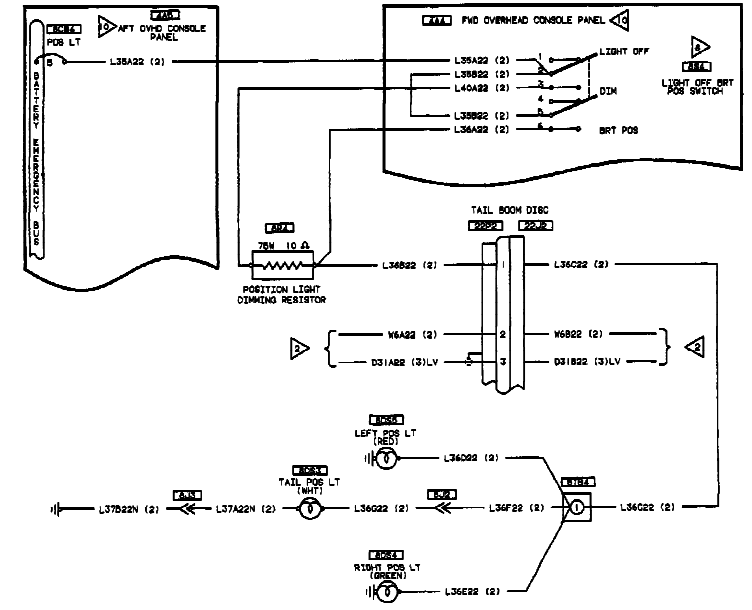




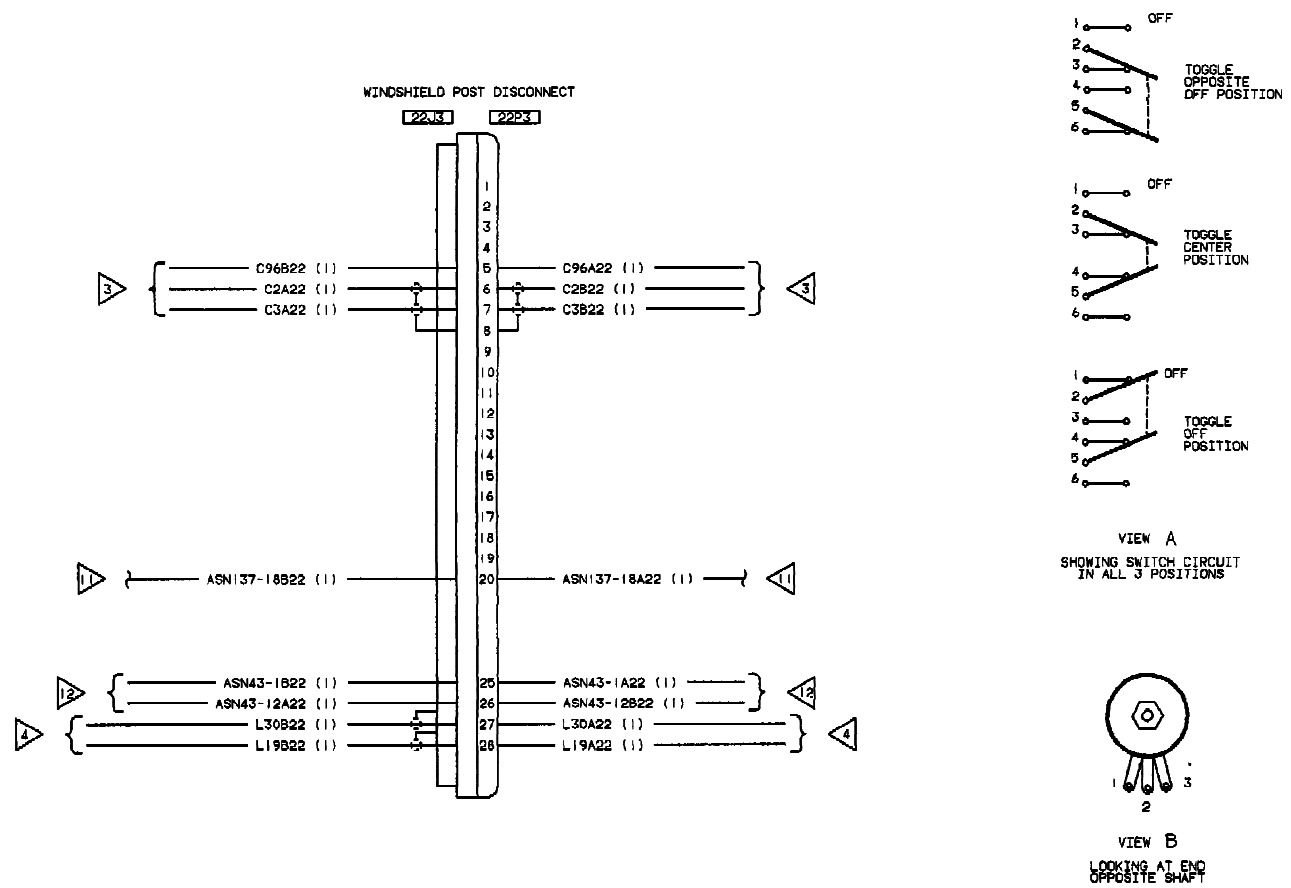
NIGHT VISION GOGGLES LIGHTING



UTILITY AND FLOOD LIGHTING

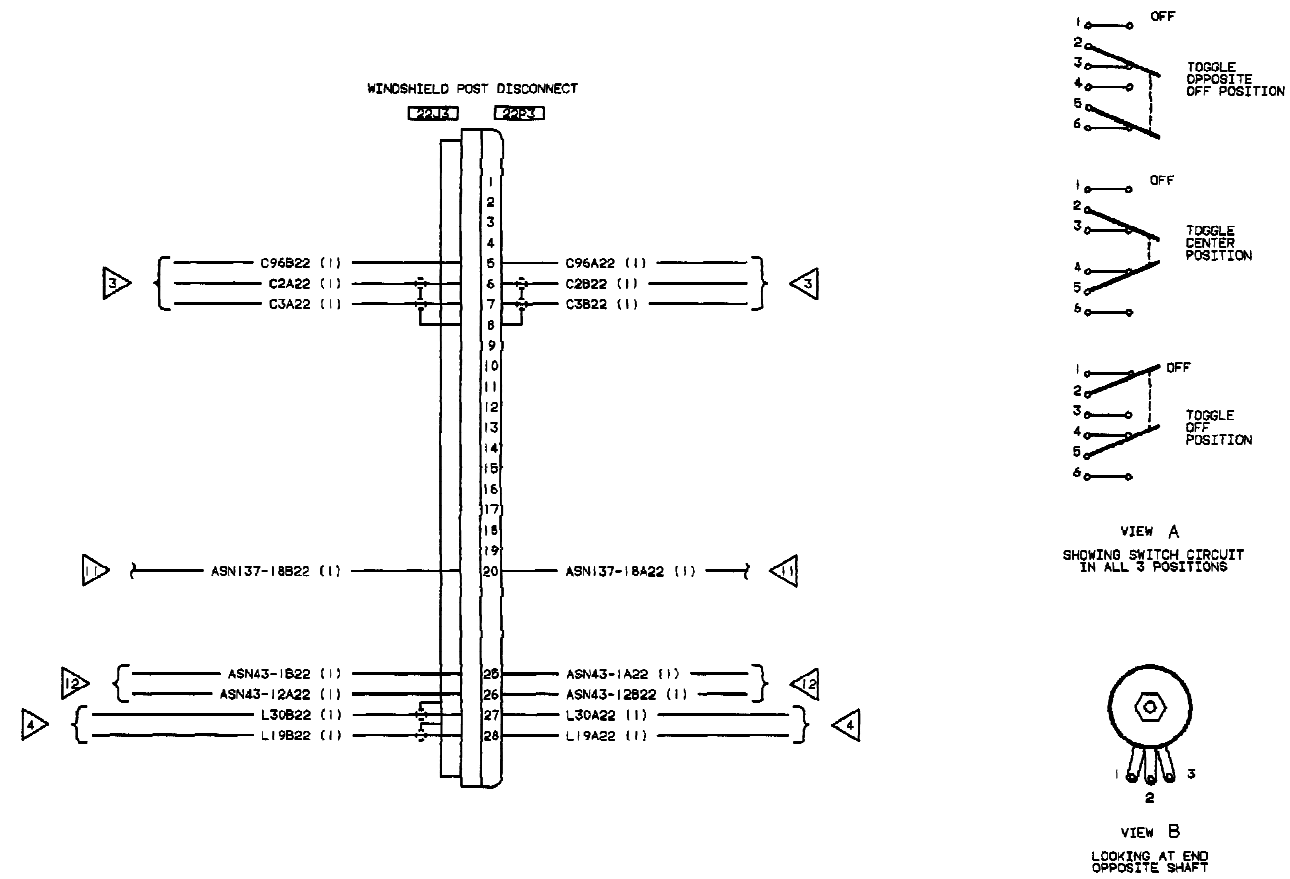


POSITION LIGHTS

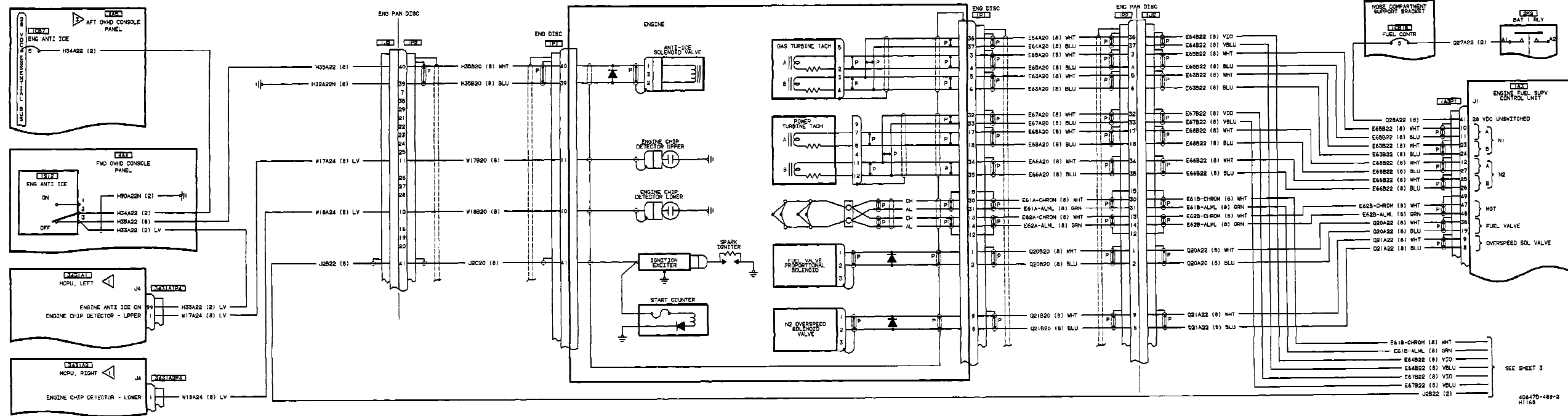


- NOTES**
- 1 REFER TO MMS SYSTEM WIRING DIAGRAM.
  - 2 REFER TO POWER PLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
  - 3 REFER TO SCAS, HYDRAULICS SYSTEM WIRING DIAGRAM.
  - 4 REFER TO CDS SYSTEM WIRING DIAGRAM.
  - 5 REFER TO ICS AND ATHS WIRING DIAGRAM, TM 11-1520-248-23.
  - 6 REFER TO RADAR WARNING WIRING DIAGRAM, TM 11-1520-248-23.
  - 7 REFER TO GYROMAGNETIC WIRING DIAGRAM, TM 11-1520-248-23.
  - 8 SEE VIEW A FOR TOGGLE SWITCH POSITIONS.
  - 9 SEE VIEW B FOR TERMINAL CONNECTIONS.
  - 10 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 11 REFER TO DOPPLER WIRING DIAGRAM TM 11-1520-248-23.
  - 12 REFER TO GYROMAGNETIC COMPASS WIRING DIAGRAM TM 11-1520-248-23.
  - 13 MS90335-(1) CONNECTOR TERMINALS SHALL BE IDENTIFIED AS FOLLOWS:
    - 1. POSITIVE CONNECTION (CENTER TERMINAL)
    - 2. NEGATIVE CONNECTION (OUTER TERMINAL)

406475-293-5  
G3665



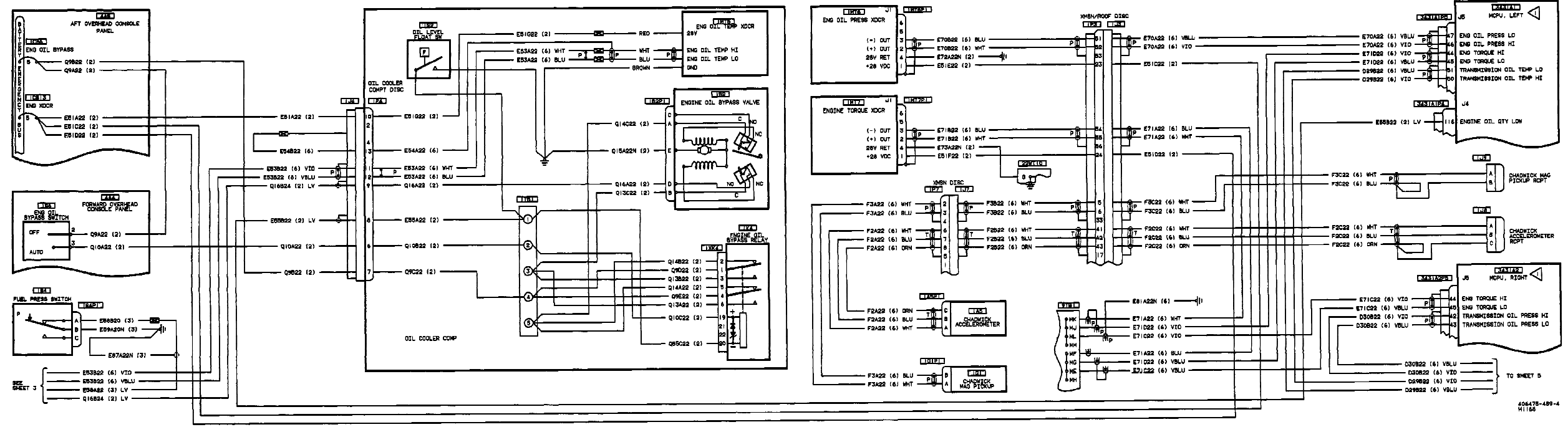
- NOTES**
- 1 REFER TO MMS SYSTEM WIRING DIAGRAM.
  - 2 REFER TO POWER PLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
  - 3 REFER TO SCAS, HYDRAULICS SYSTEM WIRING DIAGRAM.
  - 4 REFER TO CDS SYSTEM WIRING DIAGRAM.
  - 5 REFER TO ICS AND ATHS WIRING DIAGRAM, TM 11-1520-248-23.
  - 6 REFER TO RADAR WARNING WIRING DIAGRAM, TM 11-1520-248-23.
  - 7 REFER TO GYROMAGNETIC WIRING DIAGRAM, TM 11-1520-248-23.
  - 8 SEE VIEW A FOR TOGGLE SWITCH POSITIONS.
  - 9 SEE VIEW B FOR TERMINAL CONNECTIONS.
  - 10 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 11 REFER TO DOPPLER WIRING DIAGRAM TM 11-1520-248-23.
  - 12 REFER TO GYROMAGNETIC COMPASS WIRING DIAGRAM TM 11-1520-248-23.
  - 13 MS90335-1 CONNECTOR TERMINALS SHALL BE IDENTIFIED AS FOLLOWS:
    1. POSITIVE CONNECTION (CENTER TERMINAL)
    2. NEGATIVE CONNECTION (OUTER TERMINAL)



FO-14. Power Plant and Transmission Systems Wiring Diagram (Sheet 2 of 8)

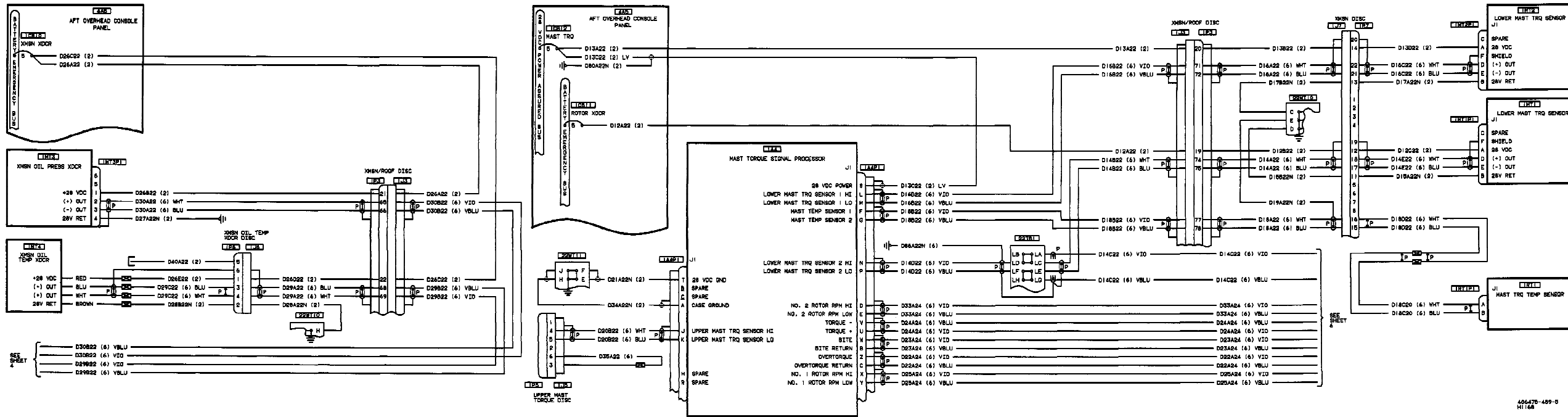




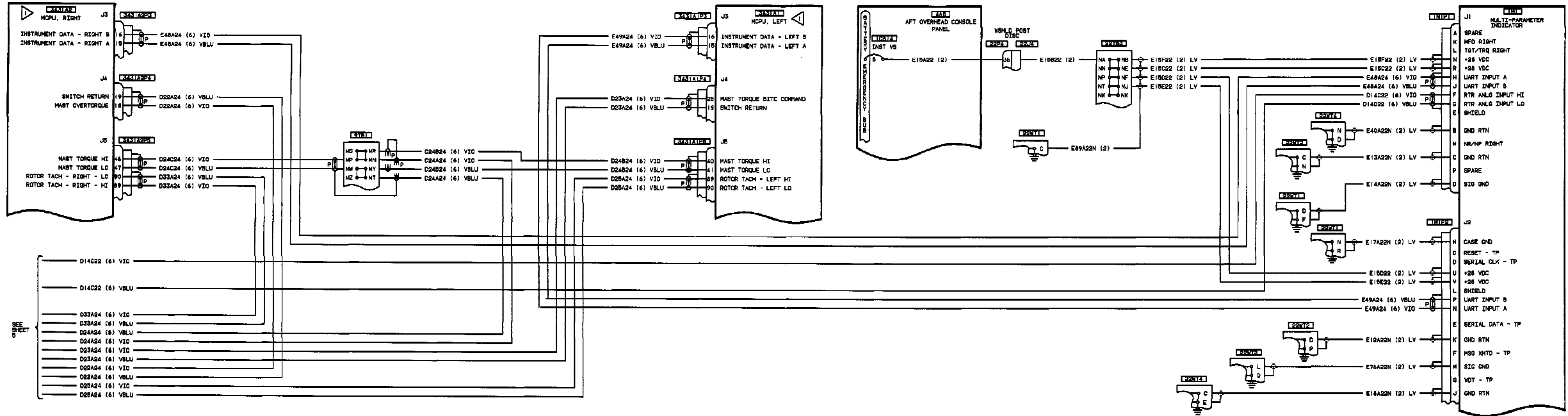


FO-14. Power Plant and Transmission Systems Wiring Diagram (Sheet 4 of 8)

406478-489-4 H1165



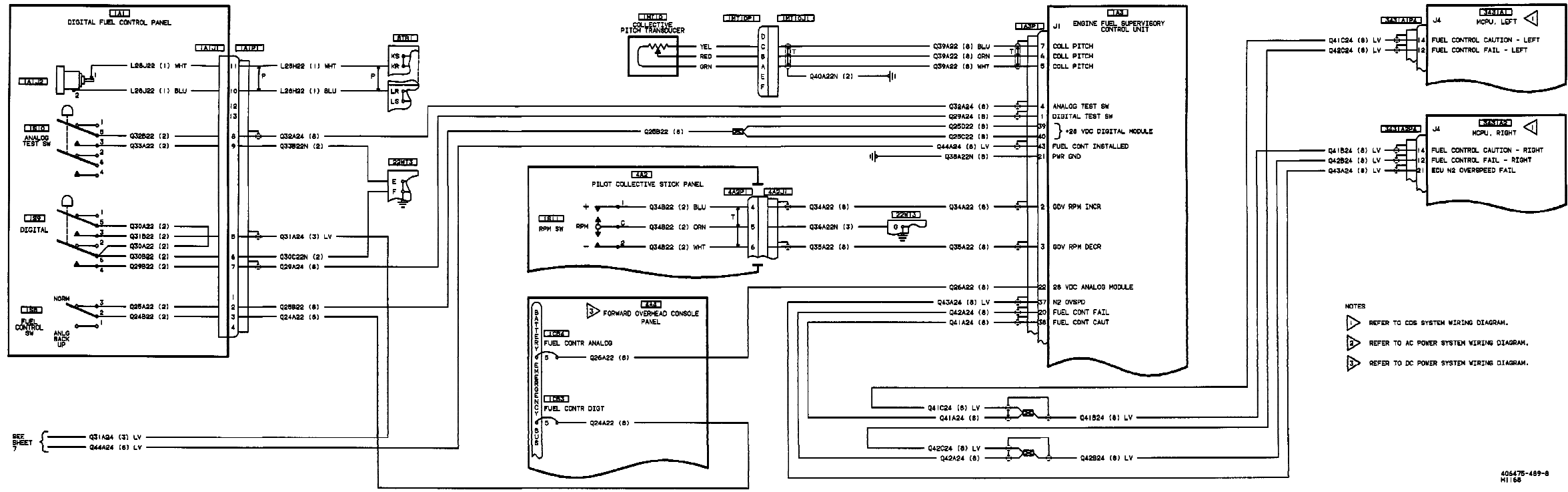
FP-14. Power Plant and Transmission Systems Wiring Diagram (Sheet 5 of 8)



406475-109-8  
HI168

FP-14. Power Plant and Transmission Systems Wiring Diagram (Sheet 6 of 8)

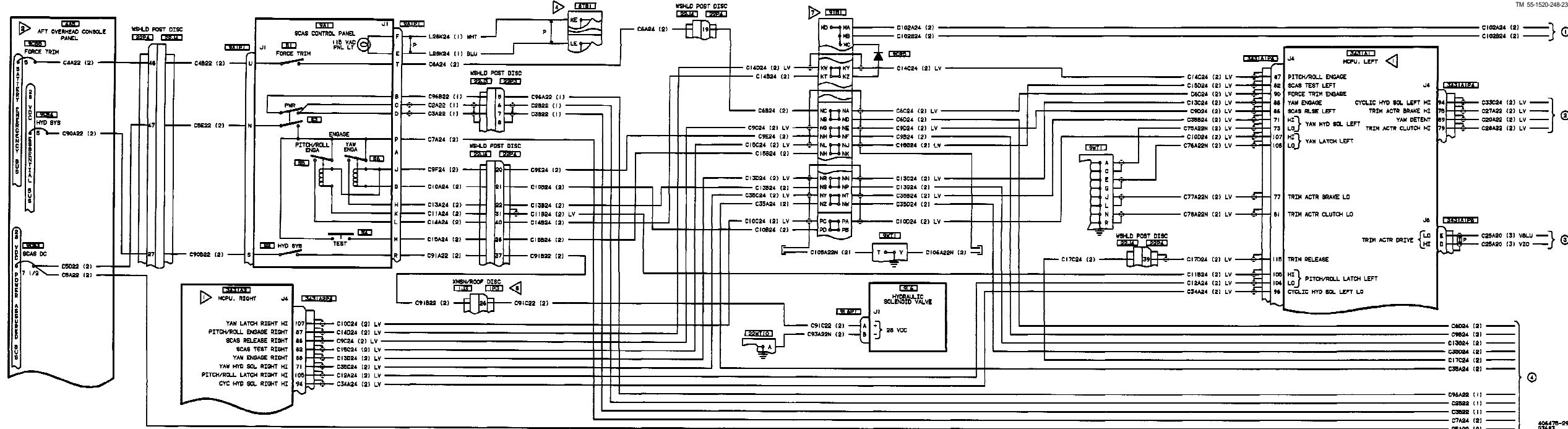




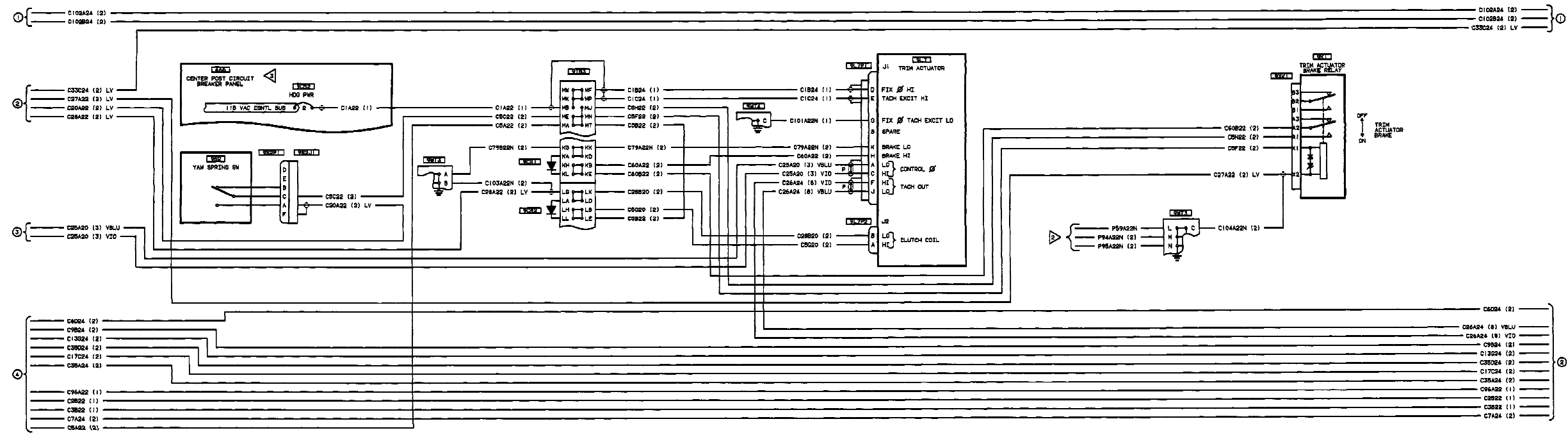
SEE SHEET

FO-14. Power Plant and Transmission Systems Wiring Diagram (Sheet 8 of 8)

406475-489-8  
M1168



FO-15. SCAS, Hydraulic, and Standby Altitude Gyro System Wiring Diagram (Sheet 1 of 7)



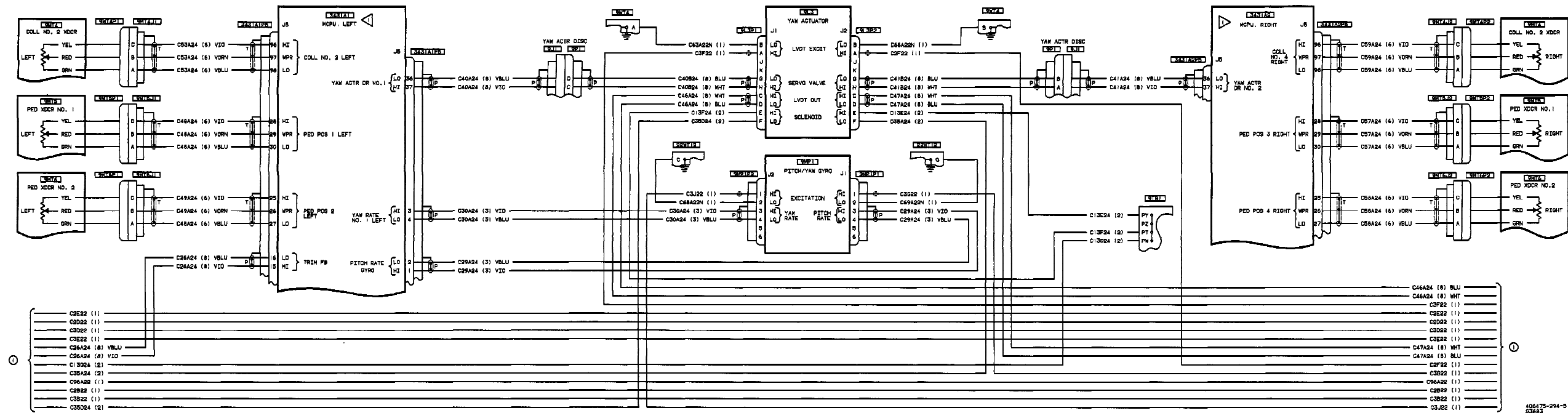
FO-15. SCAS, Hydraulic, and Standby Altitude Gyro System Wiring Diagram (Sheet 2 of 7)

406479-294-2  
09465

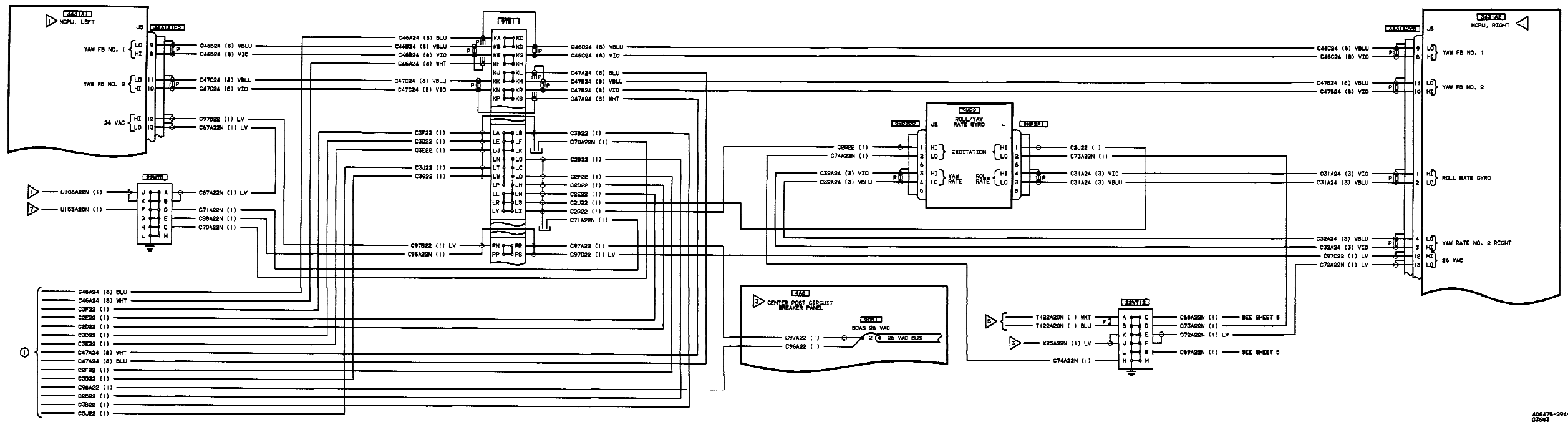






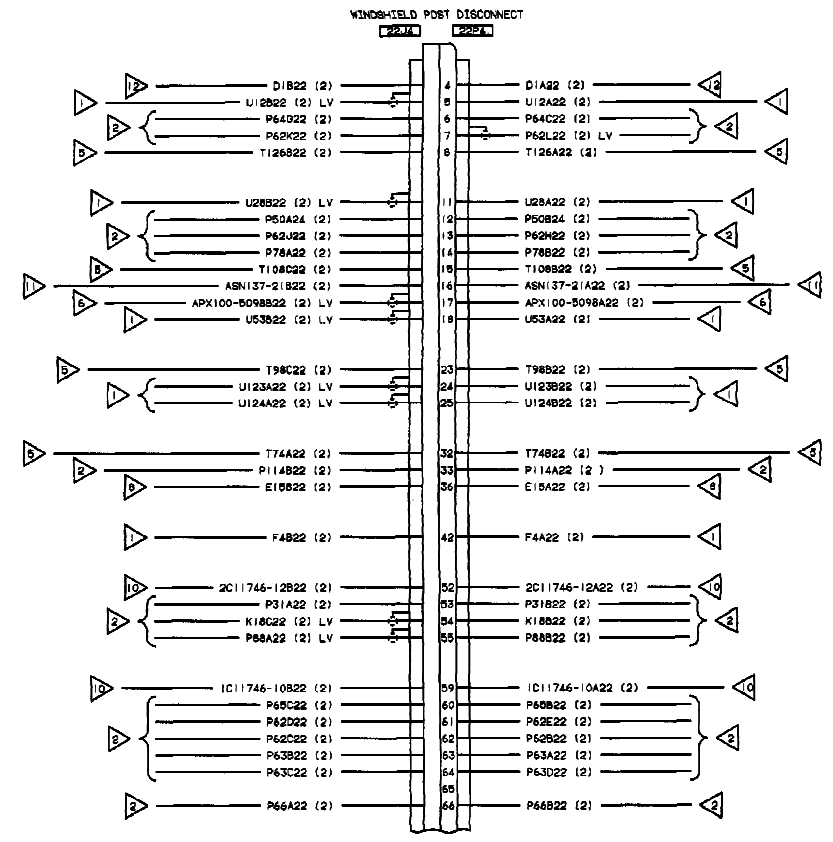
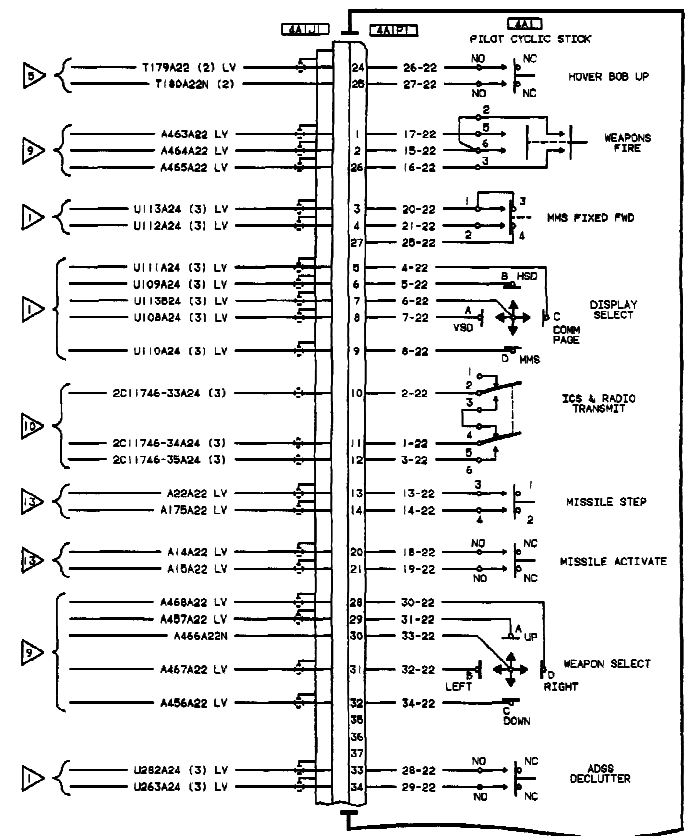


FO-15. SCAS, Hydraulic, and Standby Altitude Gyro System Wiring Diagram (Sheet 5 of 7)



FO-15. SCAS, Hydraulic, and Standby Altitude Gyro System Wiring Diagram (Sheet 6 of 7)

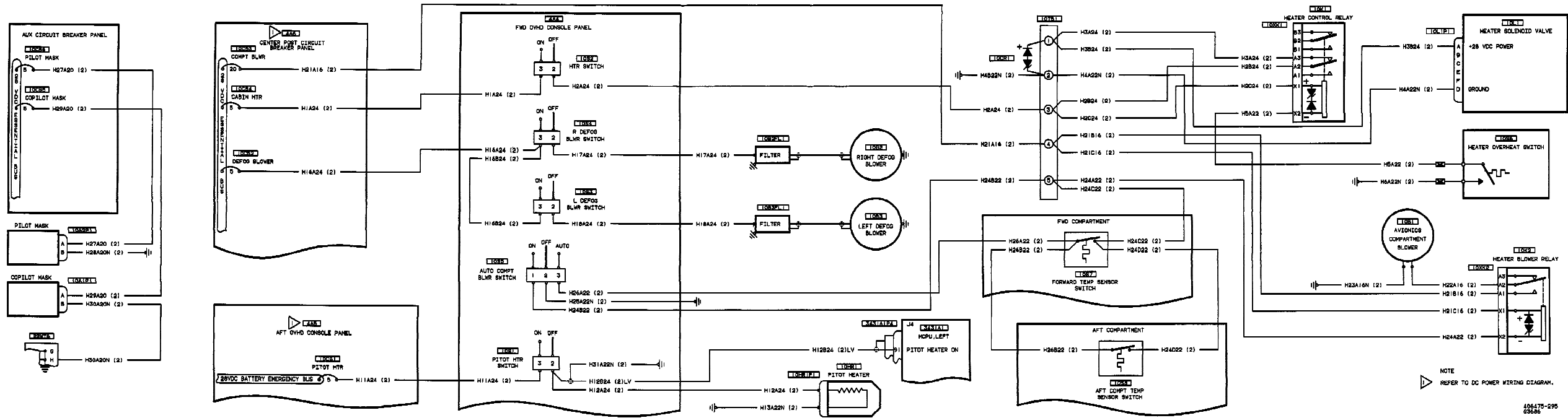
406475-294-6  
C3643



NOTES

- 1 REFER TO CDS SYSTEM WIRING DIAGRAM.
- 2 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
- 3 REFER TO AC POWER SYSTEM WIRING DIAGRAM.
- 4 REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
- 5 REFER TO HHS SYSTEM WIRING DIAGRAM.
- 6 REFER TO AN/APX100 IFF SYSTEM WIRING DIAGRAM TM 11-1520-248-23.
- 7 REFER TO AHRS SYSTEM WIRING DIAGRAM TM 11-1520-248-23.
- 8 REFER TO POWER PLANT AND TRANSMISSION WIRING DIAGRAM.
- 9 REFER TO GUNS AND ROCKETS SYSTEM WIRING DIAGRAM.
- 10 REFER TO ICS WIRING DIAGRAM TM 11-1520-248-23.
- 11 REFER TO DOPPLER NAVIGATION WIRING DIAGRAM TM 11-1520-248-23.
- 12 REFER TO ADS WIRING DIAGRAM.
- 13 REFER TO ATAS WIRING DIAGRAM.

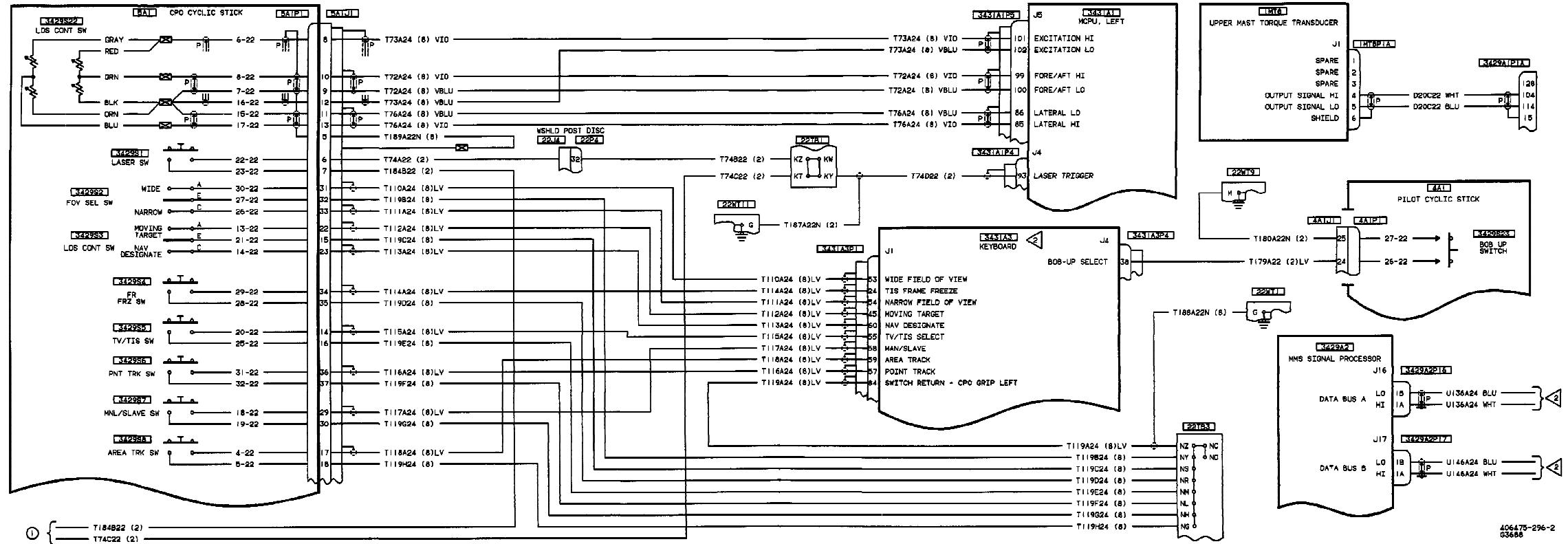
14 NUMBERED CIRCLE ON RIGHT SIDE OF SHEET SIGNIFIES "GO TO NEXT SHEET" AND FIND SAME NUMBER ON LEFT SIDE OF SHEET WITH MATCHING WIRE NUMBER(S).



FO-16. Environmental Electrical System Wiring Diagram

406475-295  
63686



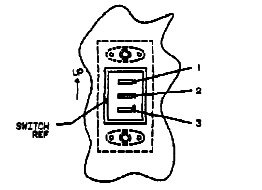
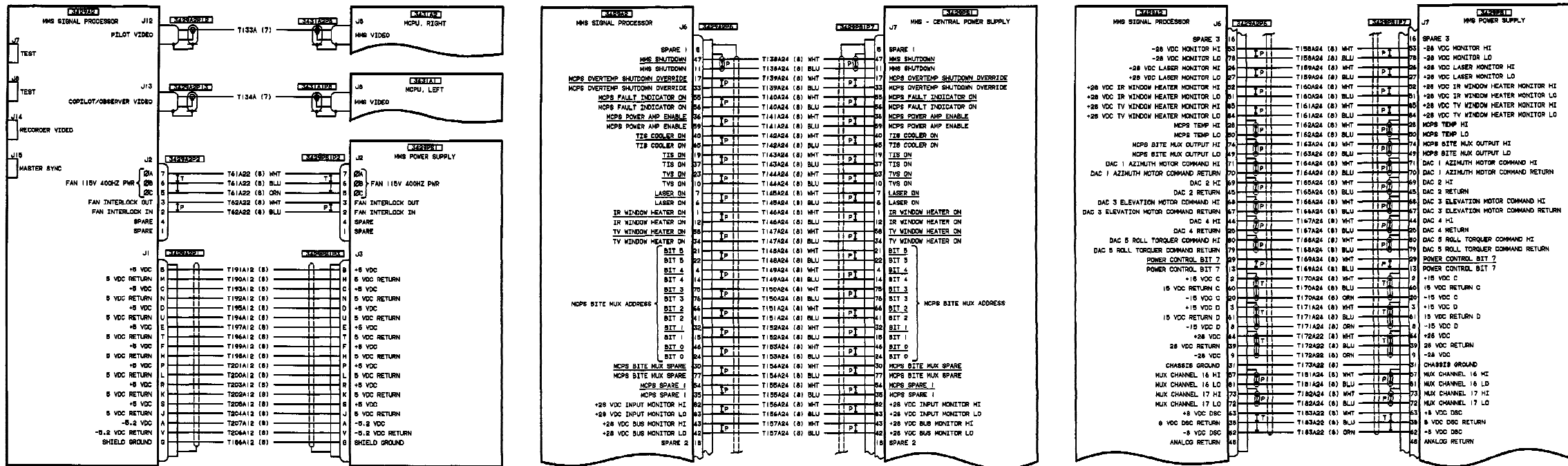


406475-296-2  
53686

FO-17. Mast Mounted Sight (MMS) System Wiring Diagram (Sheet 2 of 4)

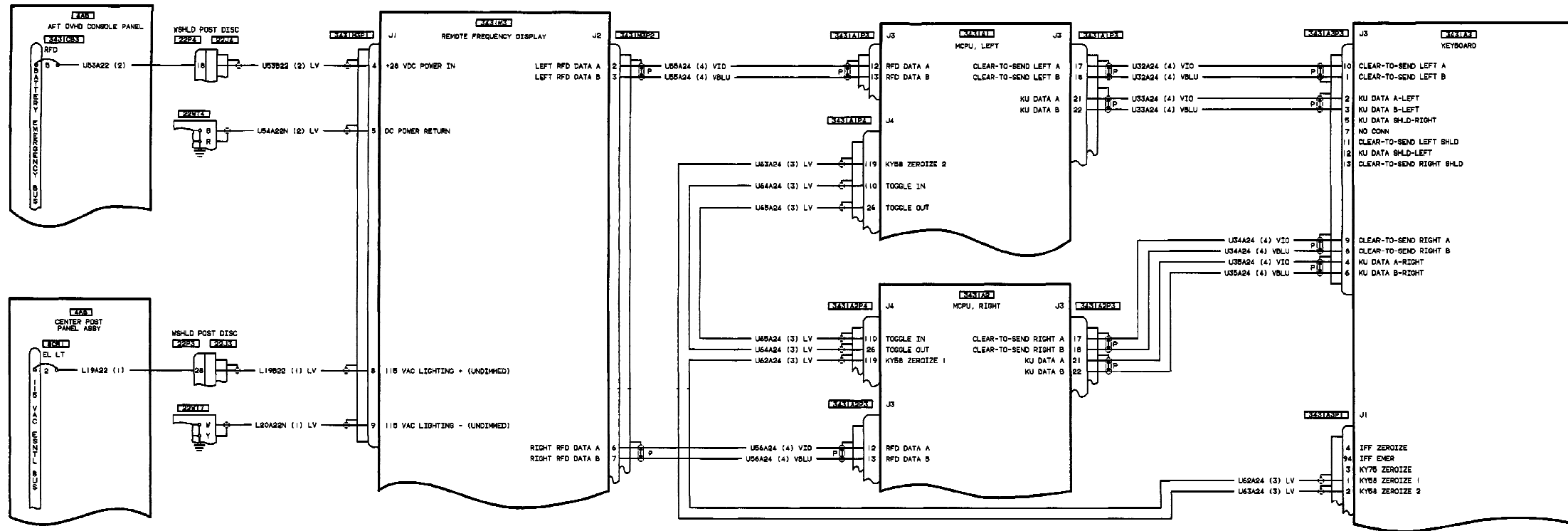




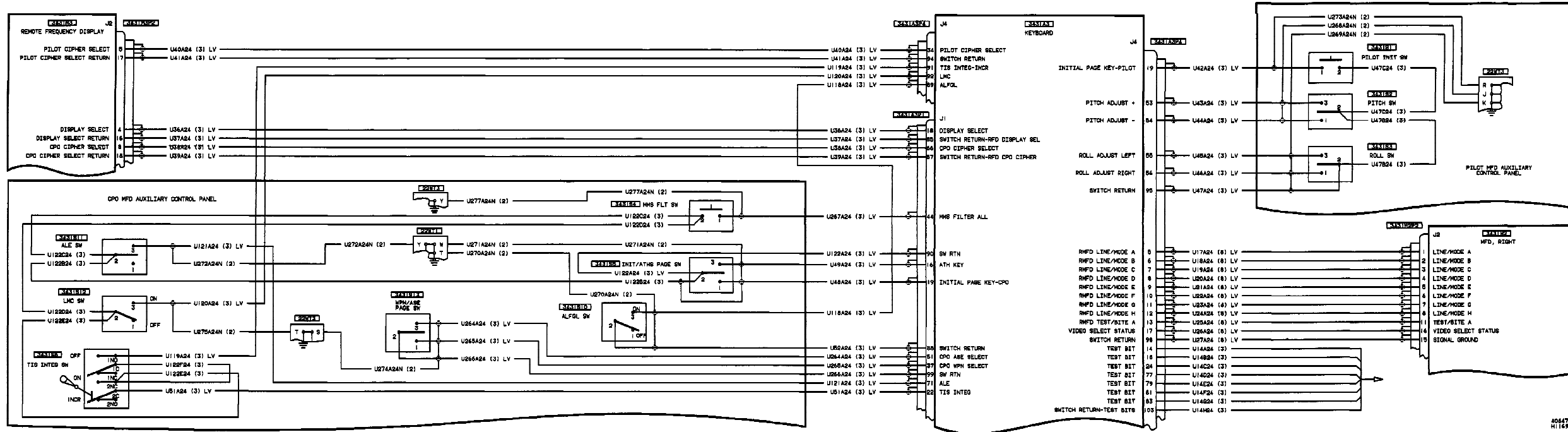


VIEW LOOKING AT REAR OF SWITCH AS INSTALLED IN PANEL TO SHOW SWITCH TERMINAL (1), (2), OR (3) IDENTIFICATION.

- NOTES
- 1. REFER TO POWER PLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
  - 2. REFER TO ODS SYSTEM WIRING DIAGRAM.
  - 3. REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 4. REFER TO AC POWER SYSTEM WIRING DIAGRAM.
  - 5. REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
  - 6. FURNISHED CONNECTOR CONTACT IDENTIFICATION FOR TERMINATING A 3-CONDUCTOR SHIELDED JACKETED CABLE SHALL BE AS FOLLOWS:  
P = PIN CONTACT  
S = SOCKET CONTACT
  - 7. SEE VIEW A FOR SWITCH TERMINAL IDENTIFICATION.
  - 8. VIEW LOOKING AT REAR OF CIRCUIT BREAKER, NUMBERS WILL READ FROM LEFT TO RIGHT WITH 1, 2, AND 3 ON THE TOP, OR REAR SIDE.
  - 9. NUMBERED CIRCLE ON RIGHT SIDE OF SHEET IDENTIFIES "GO TO NEXT SHEET" AND FIND SAME NUMBER ON LEFT SIDE OF SHEET WITH MATCHING WIRE NUMBER(S).



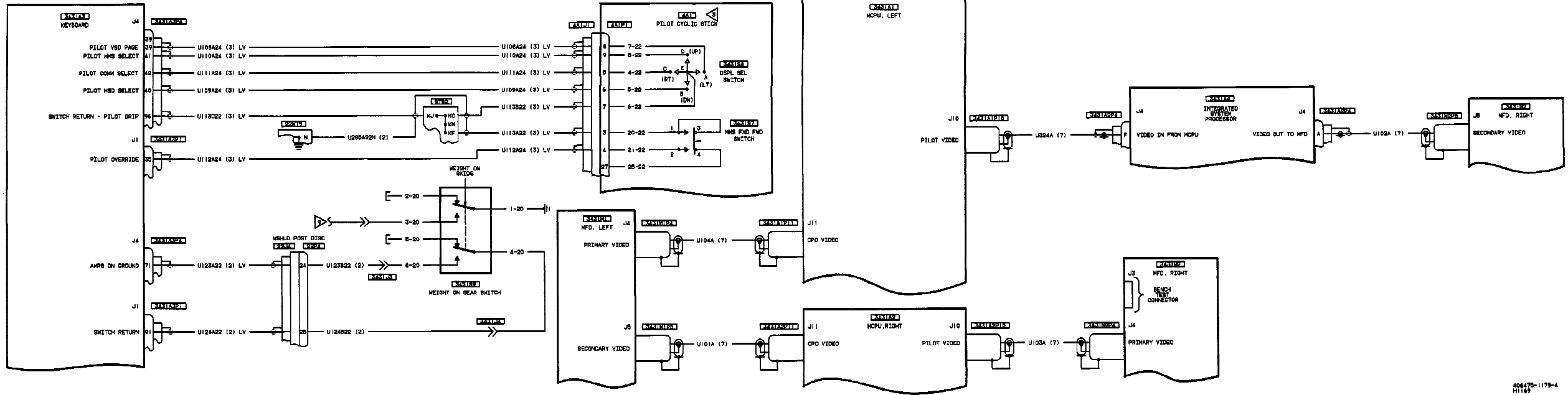
FO-18. Control Display System (CDS) Wiring Diagram (Sheet 1 of 10)

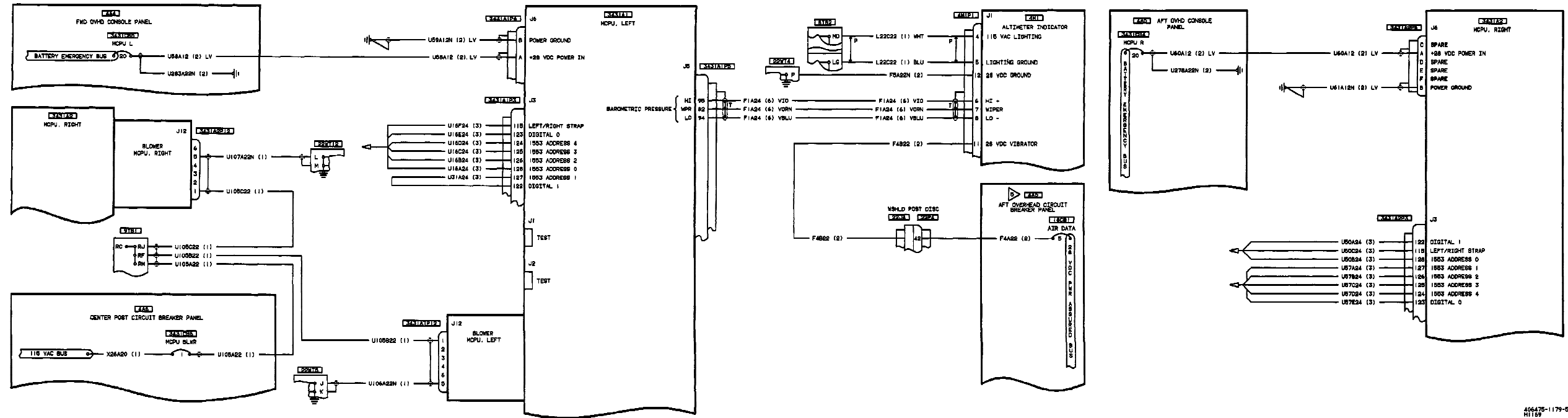


FO-18. Control Display System (CDS) Wiring Diagram (Sheet 2 of 10)

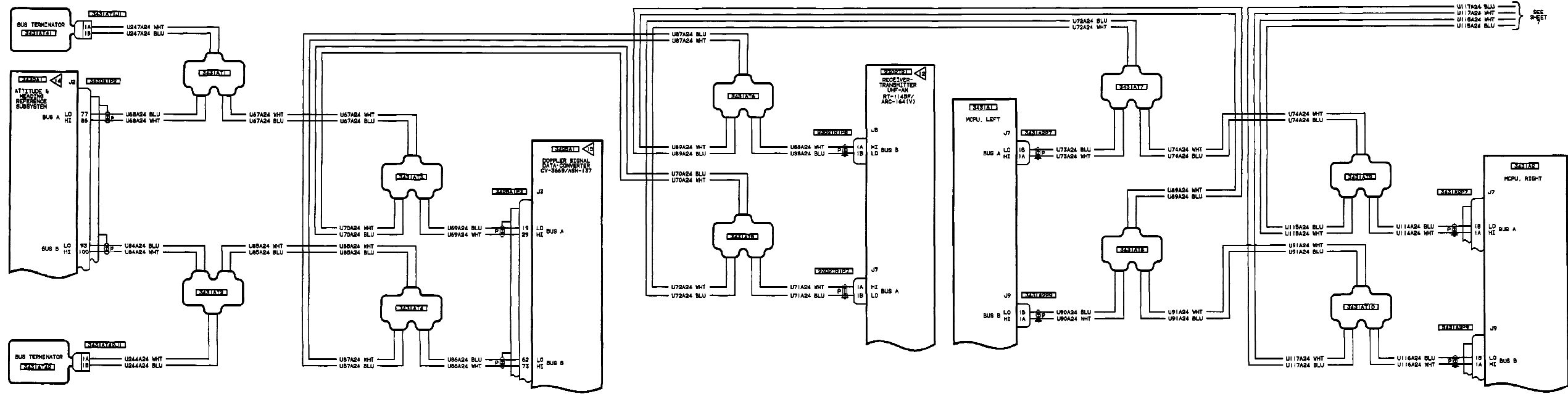
006675-1179-2  
H165







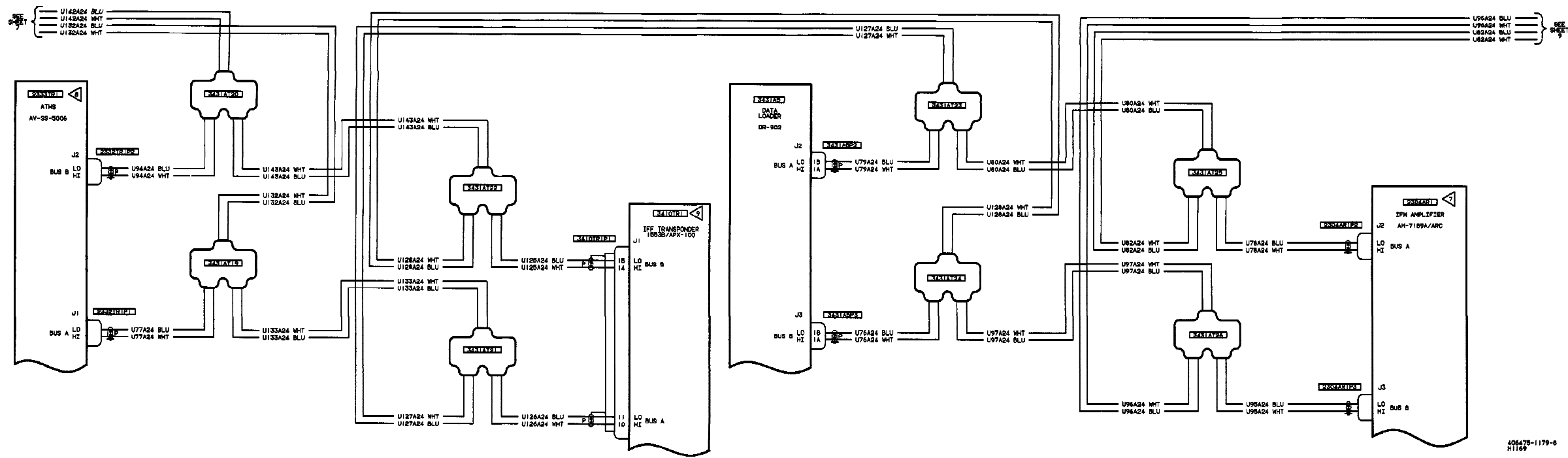
FO-18. Control Display System (CDS) Wiring Diagram (Sheet 5 of 10)



FO-18. Control Display System (CDS) Wiring Diagram (Sheet 6 of 10)

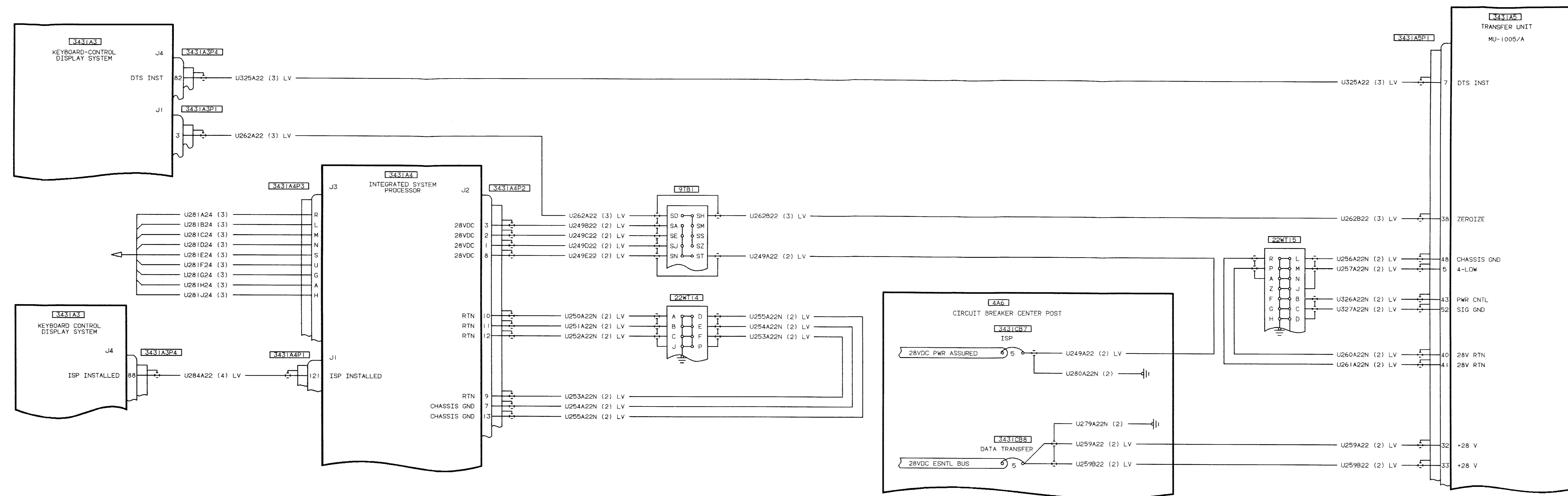






FO-18. Control Display System (CDS) Wiring Diagram (Sheet 8 of 10)





- NOTES
- 1 REFER TO AN/APR-44 RADAR DETECTOR WIRING DIAGRAM.
  - 2 REFER TO AC POWER SYSTEM WIRING DIAGRAM.
  - 3 REFER TO FIGHT CONTROL AND HYDRAULIC SYSTEM WIRING DIAGRAM.
  - 4 REFER TO VIDEO TAPE RECORDER WIRING DIAGRAM.
  - 5 REFER TO AIR DATA SUBSYSTEM WIRING DIAGRAM.
  - 6 REFER TO NO. 2 VHF-FM WIRING DIAGRAM.
  - 7 REFER TO NO. 1 VHF-FM WIRING DIAGRAM.
  - 8 REFER TO INTERCOM AND ATH SYSTEMS WIRING DIAGRAM.
  - 9 REFER TO IFF (AN/APX-100) WIRING DIAGRAM.
  - 10 REFER TO MAST MOUNTED SIGHT WIRING DIAGRAM.
  - 11 REFER TO HF COMM SYSTEM (AN/ARC-199) WIRING DIAGRAM.
  - 12 REFER TO UHF-AM COMM (AN/ARC-164) WIRING DIAGRAM.
  - 13 REFER TO VHF-AM COMM (AN/ARC-186) WIRING DIAGRAM.
  - 14 REFER TO ATTITUDE AND HEADING REFERENCE SYSTEM WIRING DIAGRAM.
  - 15 REFER TO DOPPLER NAV SYSTEM (AN/ASN-137) WIRING DIAGRAM.
  - 16 REFER TO LIGHTING SYSTEM WIRING DIAGRAM.

FO-18. Control Display System (CDS) Wiring Diagram (Sheet 10 of 10)

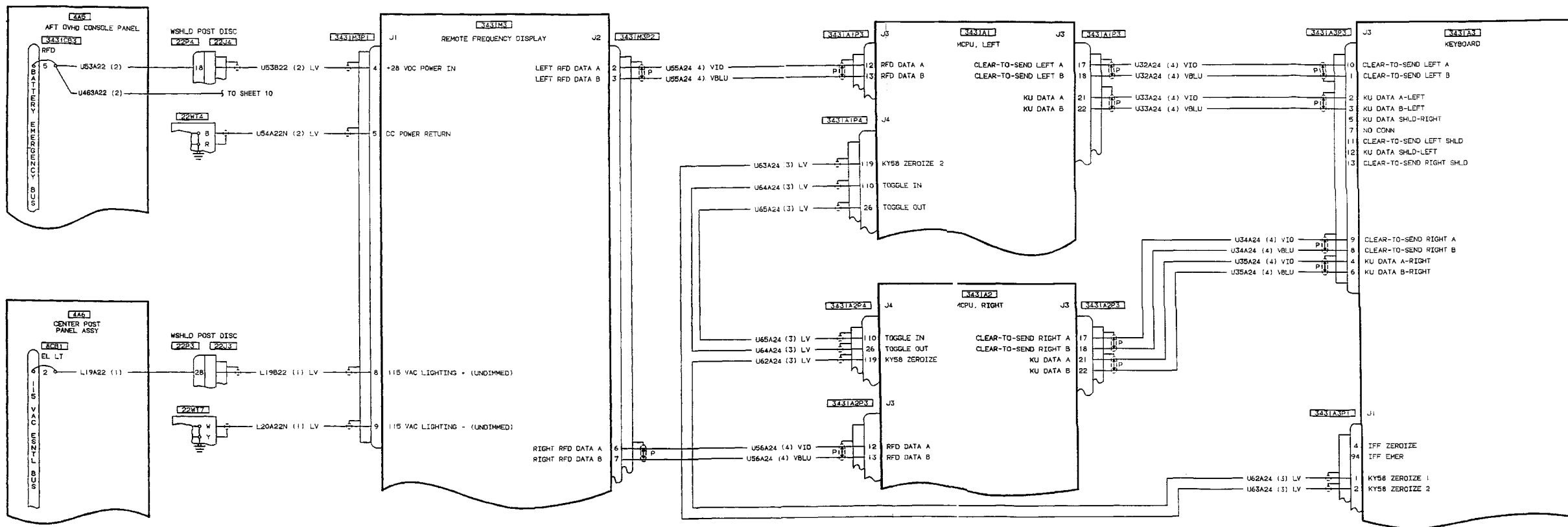


Figure FO-18.1. Control Display System (CDS) Wiring Diagram (With EGI System) (Sheet 1 of 10)

Change 5 FP-174.1/(FP-174.2 blank)

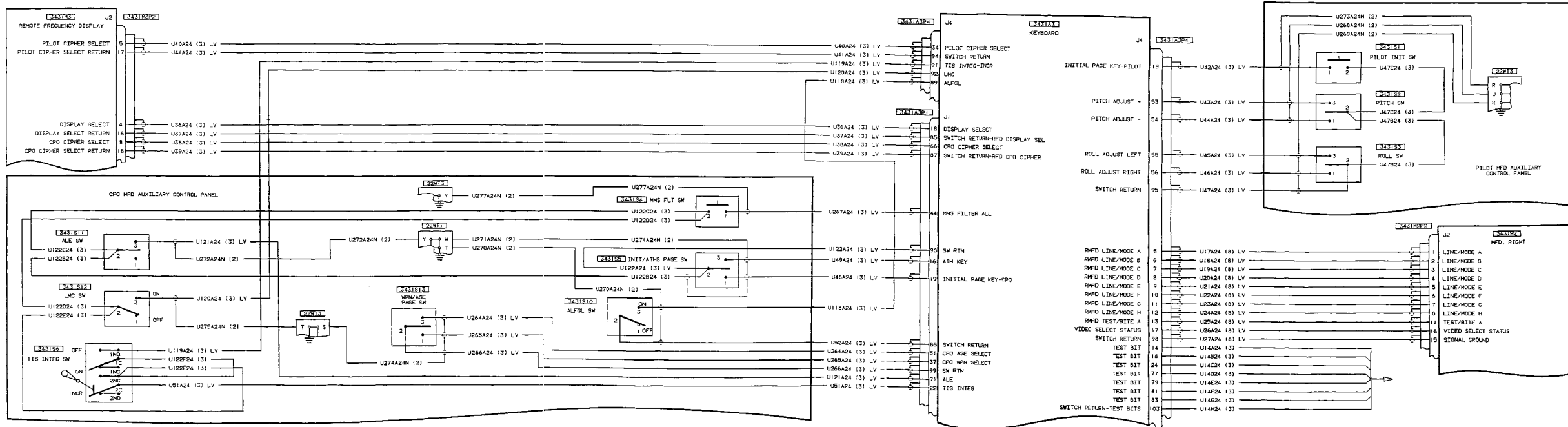


Figure FO-18.1. Control Display System (CDS) Wiring Diagram (With EGI System) (Sheet 2 of 10)

Change 5 FP-174.3/(FP-174.4 blank)



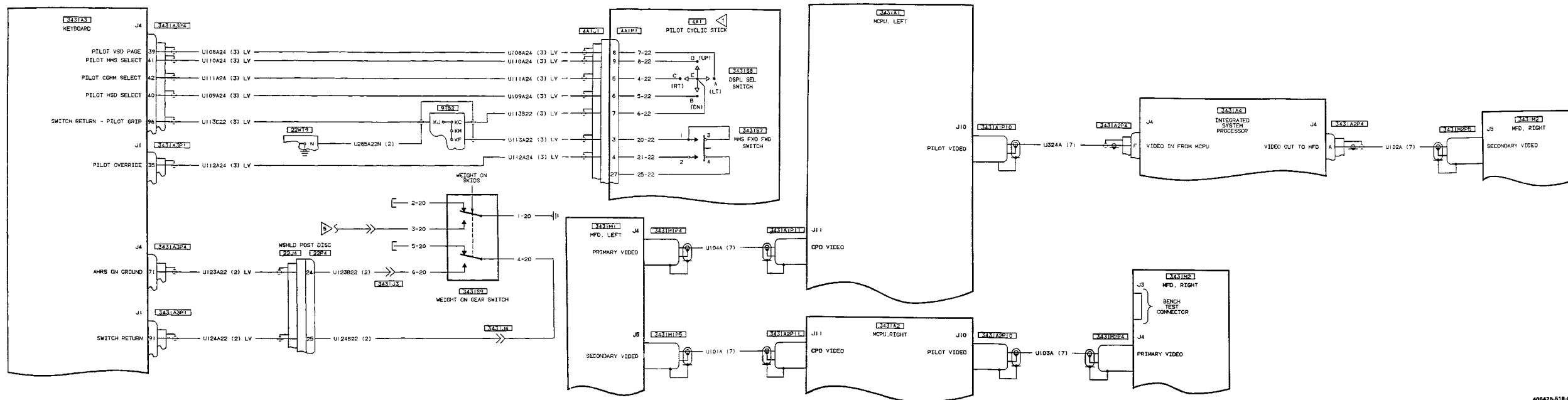
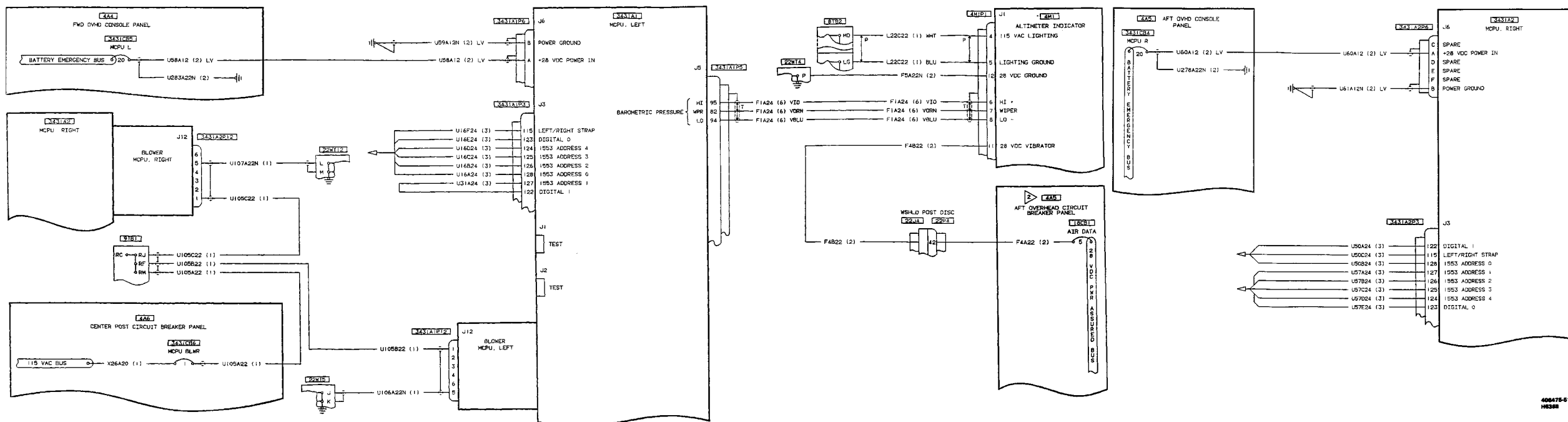


Figure FO-18.1. Control Display System (CDS) Wiring Diagram (With EGI System) (Sheet 4 of 10)

Change 5 FP-174.7/(FP-174.8 blank)



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H5358

Figure FO-18.1. Control Display System (CDS) Wiring Diagram (With EGI System) (Sheet 5 of 10)

Change 5 FP-174.9/(FP-174.10 blank)



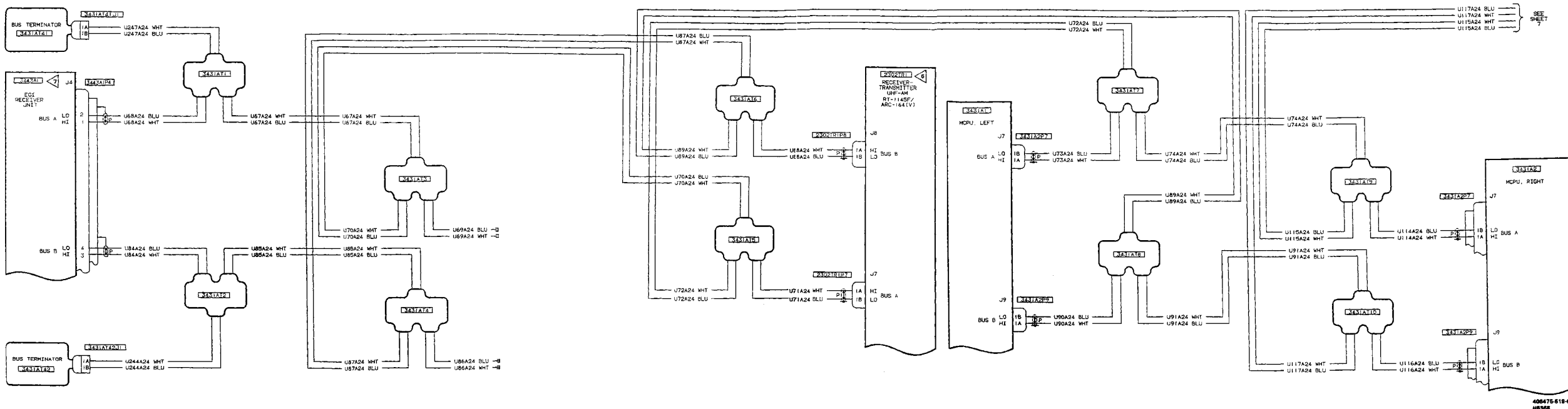


Figure FO-18.1. Control Display System (CDS) Wiring Diagram (With EGI System) (Sheet 6 of 10).

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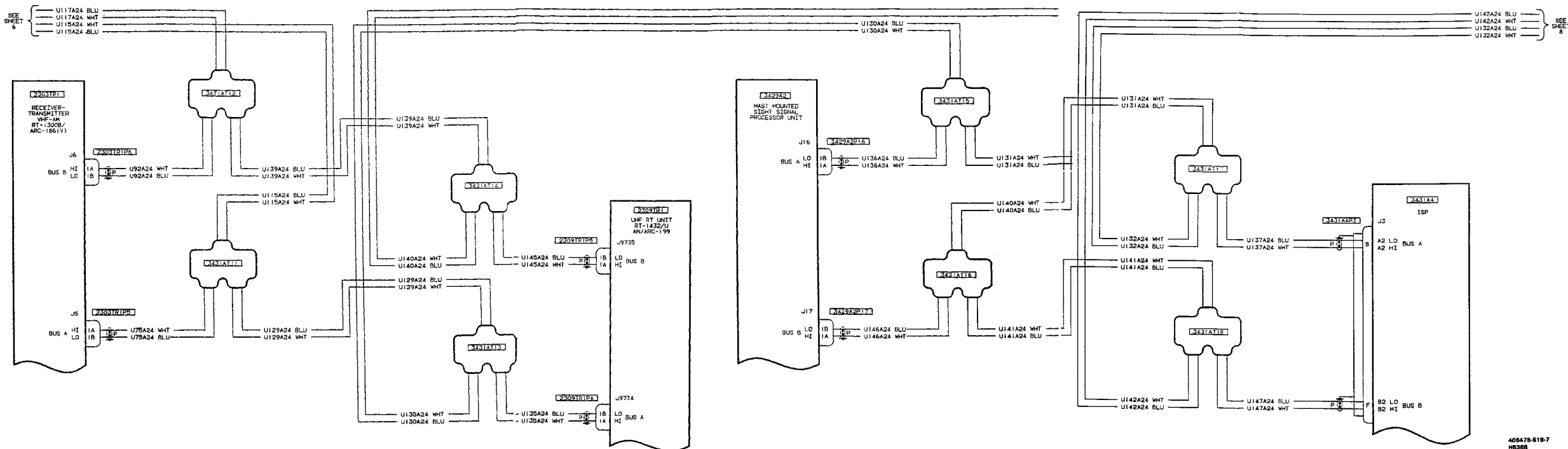


Figure FO-18.1. Control Display System (CDS) Wiring Diagram (With EGI System) (Sheet 7 of 10).

Change 5 FP-174.13/(FP-174.14 blank)

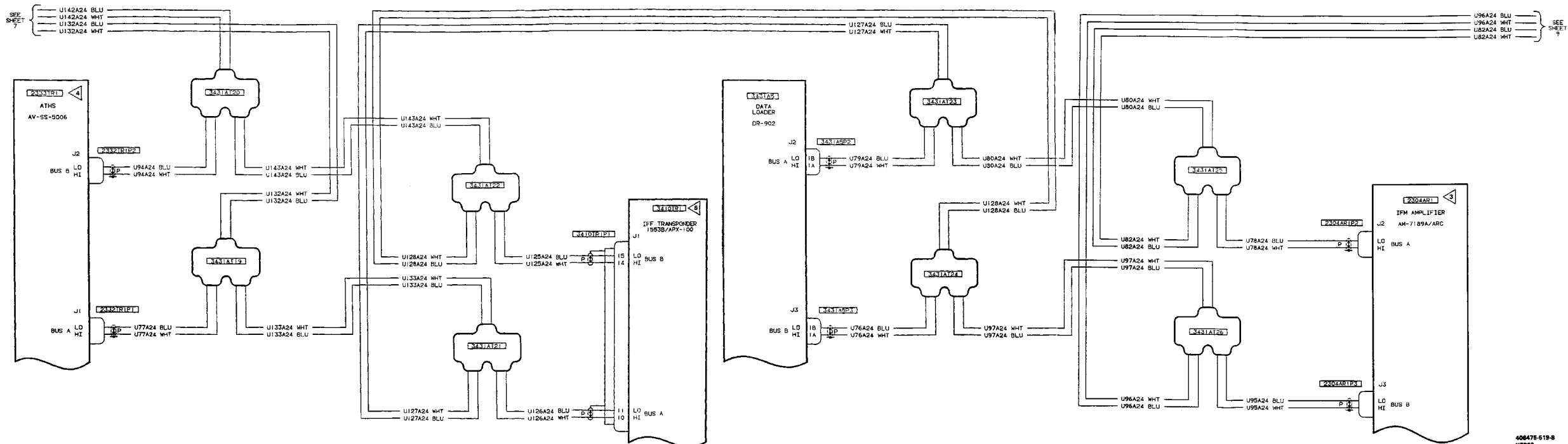


Figure FO-18.1. Control Display System (CDS) Wiring Diagram (With EGI System) (Sheet 8 of 10).

Change 5 FP-174.15/(FP-174.16 blank)

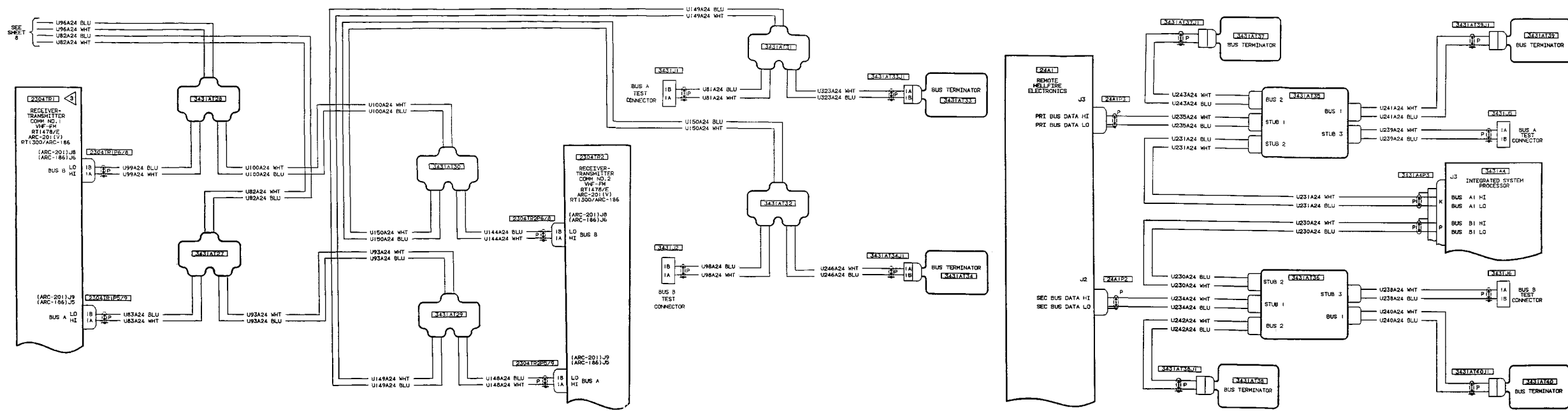
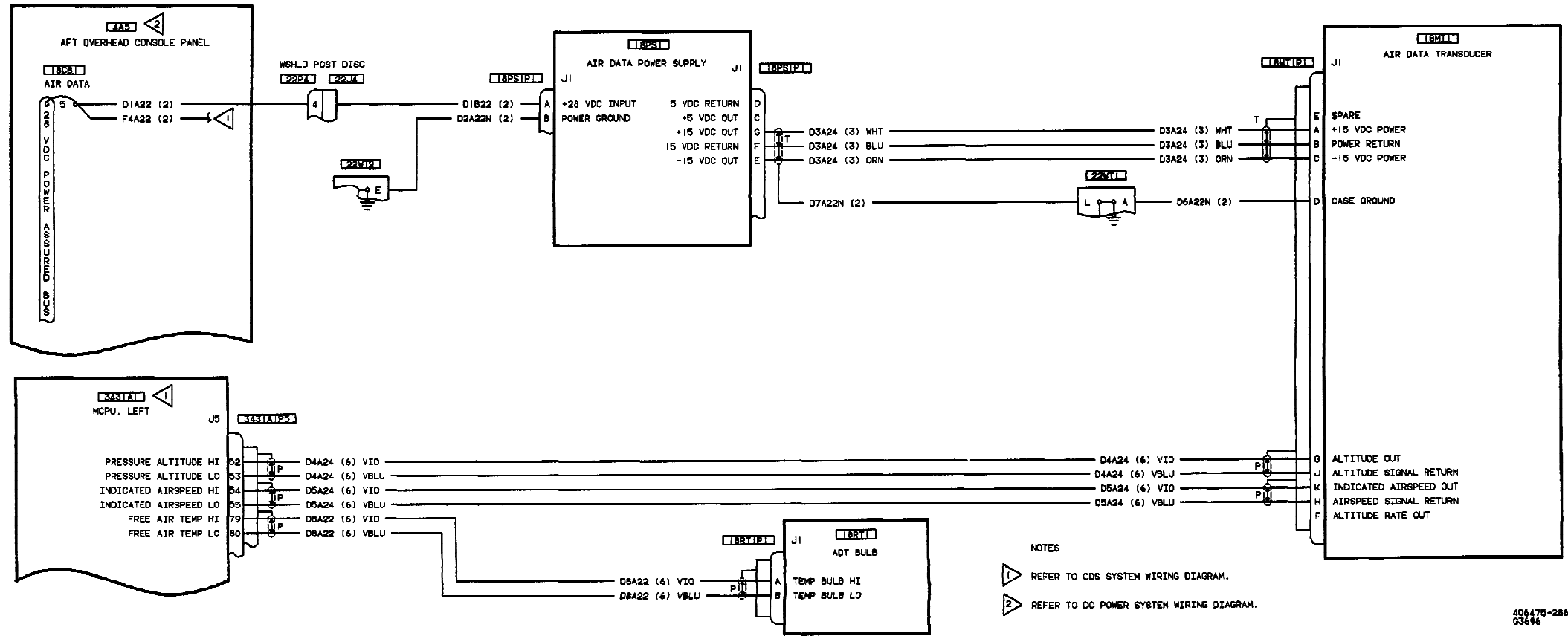


Figure FO-18.1. Control Display System (CDS) Wiring Diagram (With EGI System) (Sheet 9 of 10).

Change 5 FP-174.17/(FP-174.18 blank)

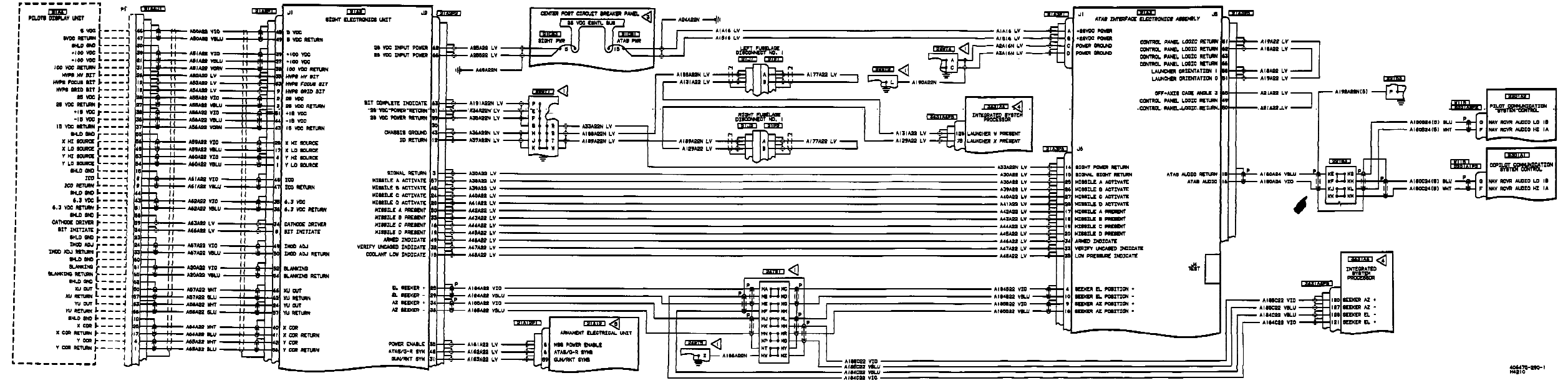




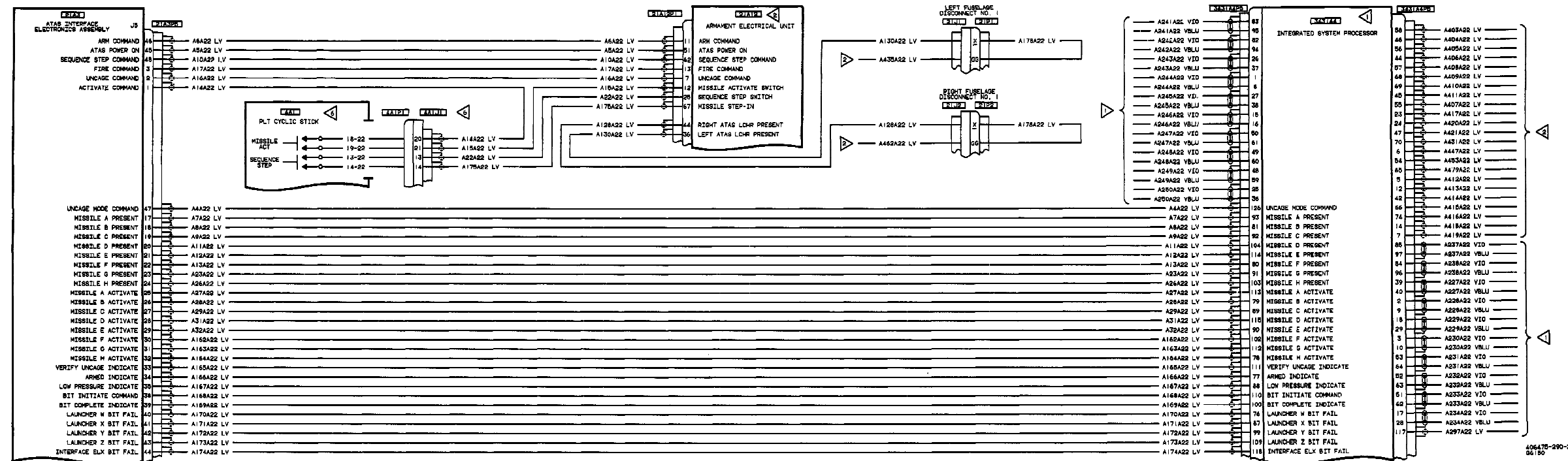


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G3696

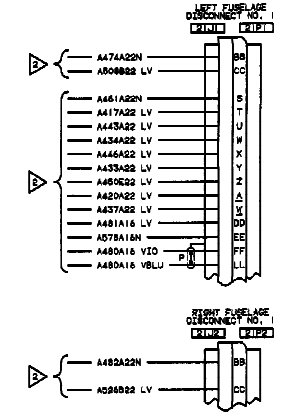
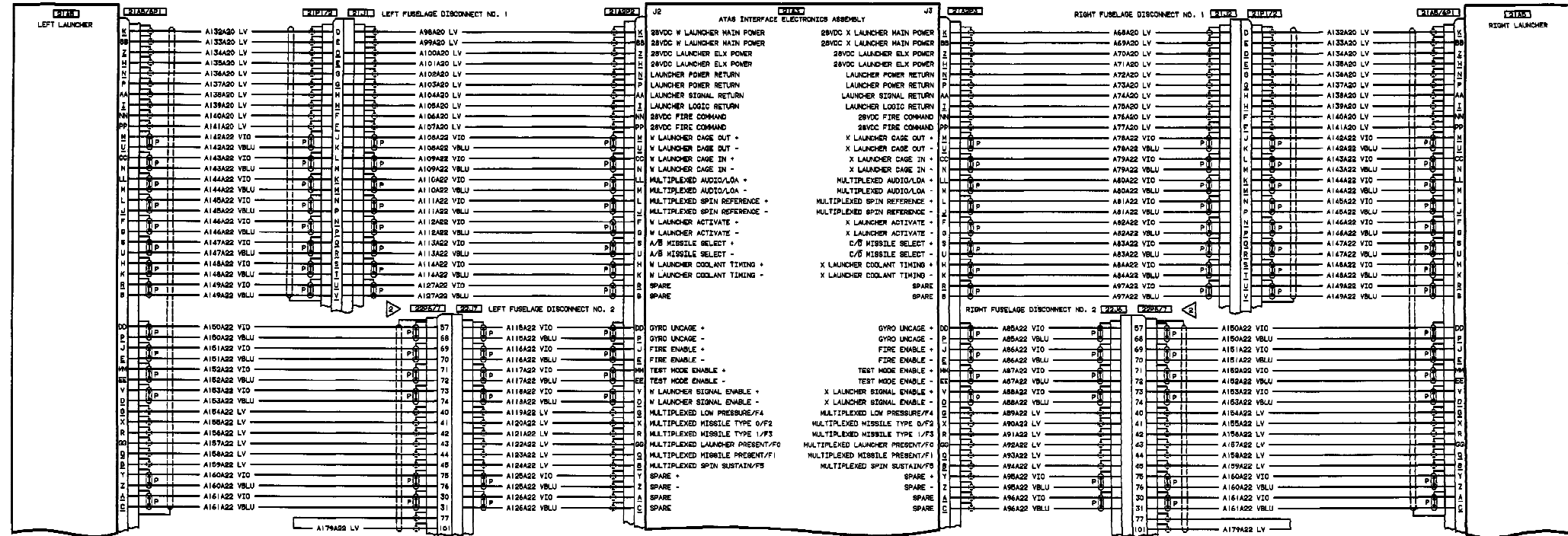
FO-20. Air Data Systems (ADS) Wiring Diagram







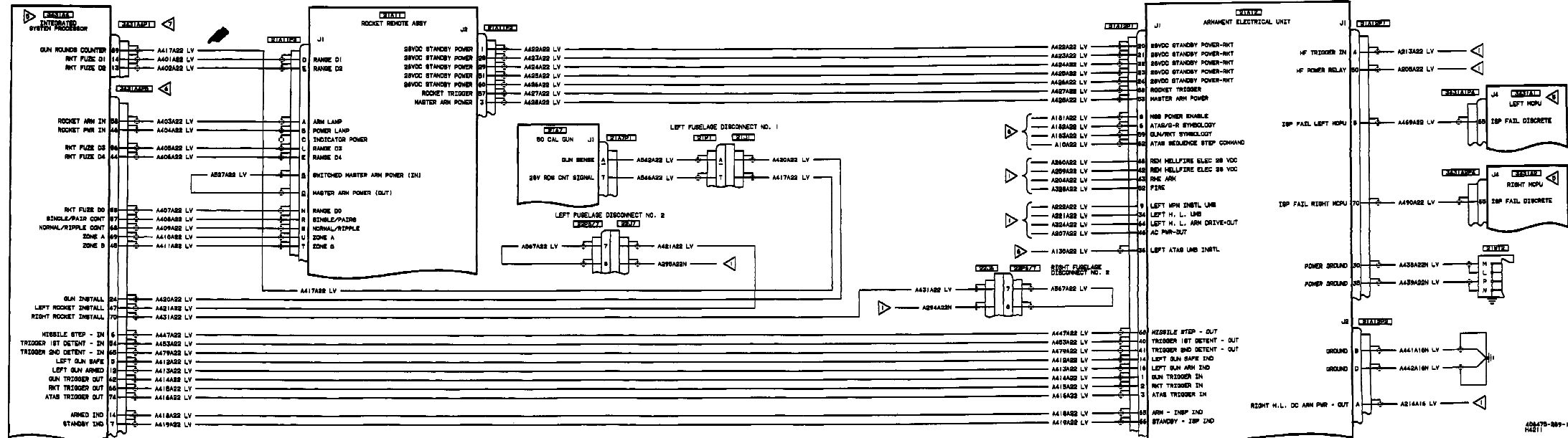
FO-21. Air-to-Air Stringer (ATAS) Missile System Wiring Diagram (Sheet 2 of 3)



- NOTES
- REFER TO HELLFIRE SYSTEM WIRING DIAGRAM.
  - REFER TO GUN AND ROCKETS WIRING DIAGRAM.
  - REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - REFER TO CDS SYSTEM WIRING DIAGRAM.
  - REFER TO ICS SYSTEM WIRING DIAGRAM TM 11-1520-248-23.
  - REFER TO SCAS AND HYDRAULICS WIRING DIAGRAM.

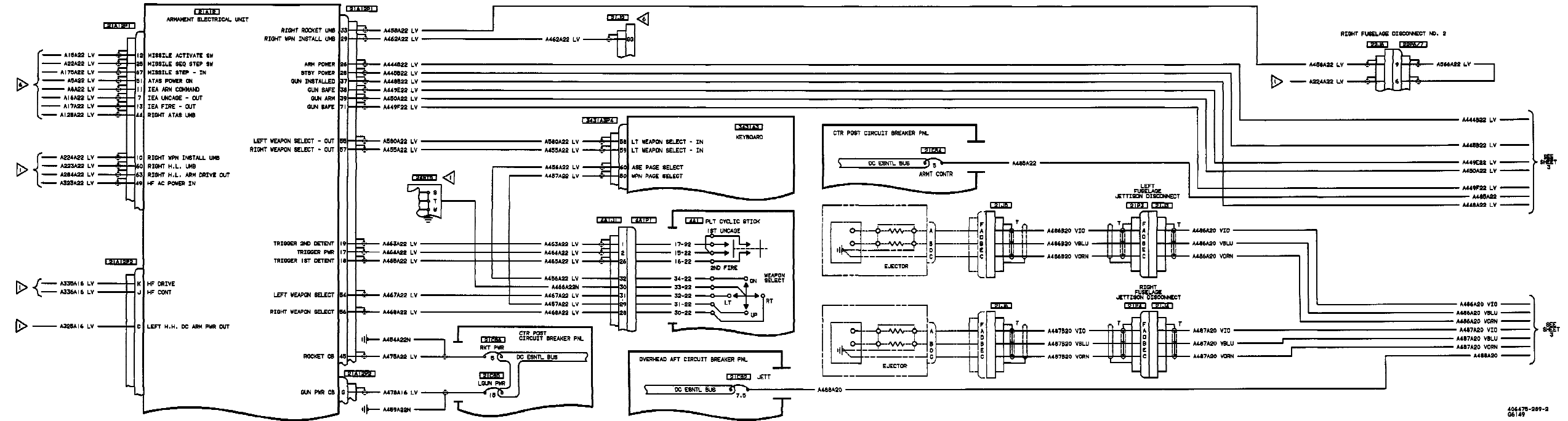
FO-21. Air-to-Air Stringer (ATAS) Missile System Wiring Diagram (Sheet 3 of 3)

404475-290-3  
06150

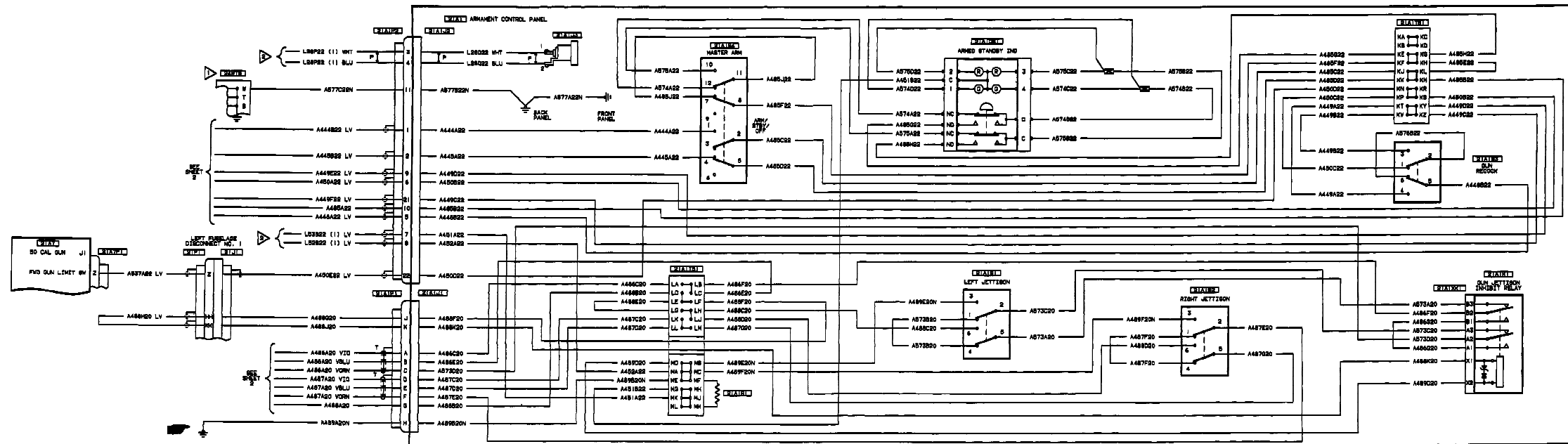


Change 3 FO-22. Guns and Rockets System Wiring Diagram (Sheet 1 of 4)

408470-209-1 44211

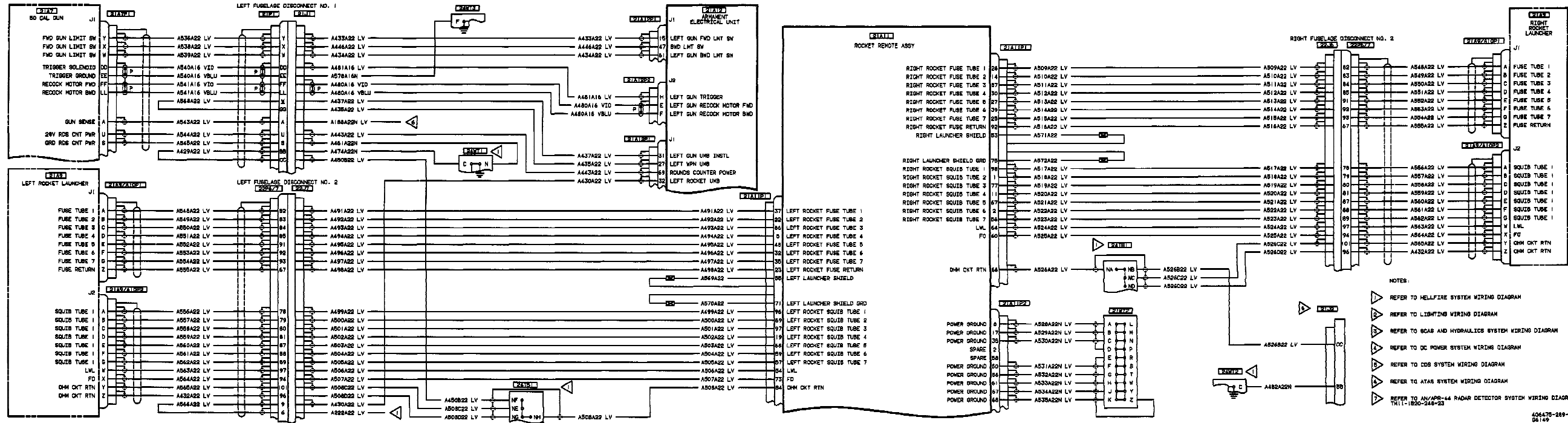


FO-22. Guns and Rockets System Wiring Diagram (Sheet 2 of 4)

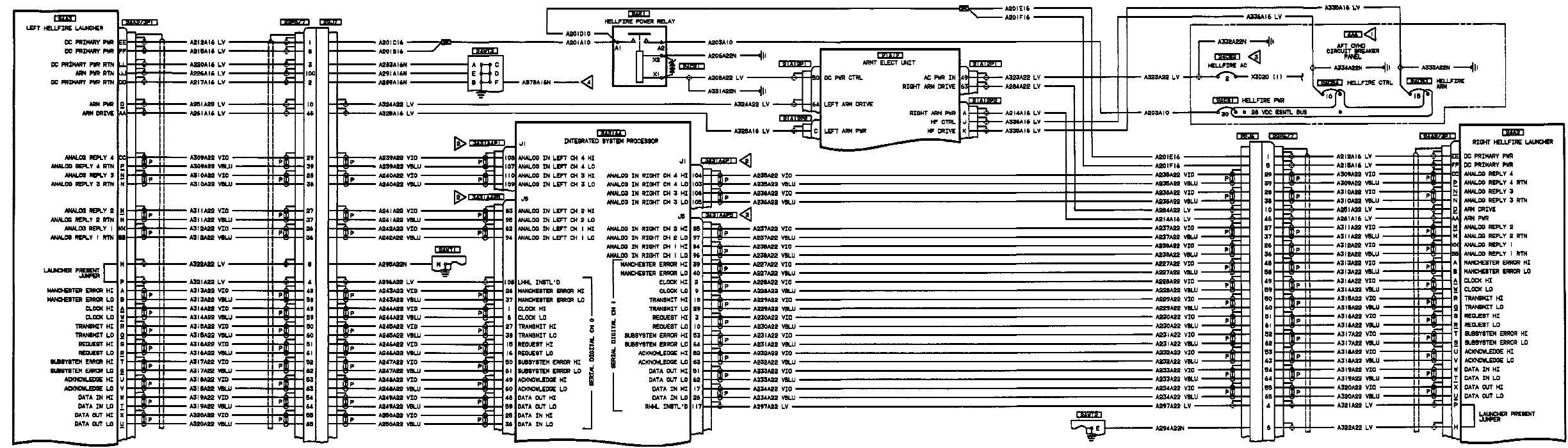


Change 3 FO-22 Guns and Rockets System Wiring Diagram (Sheet 3 of 4)

30875-289-3

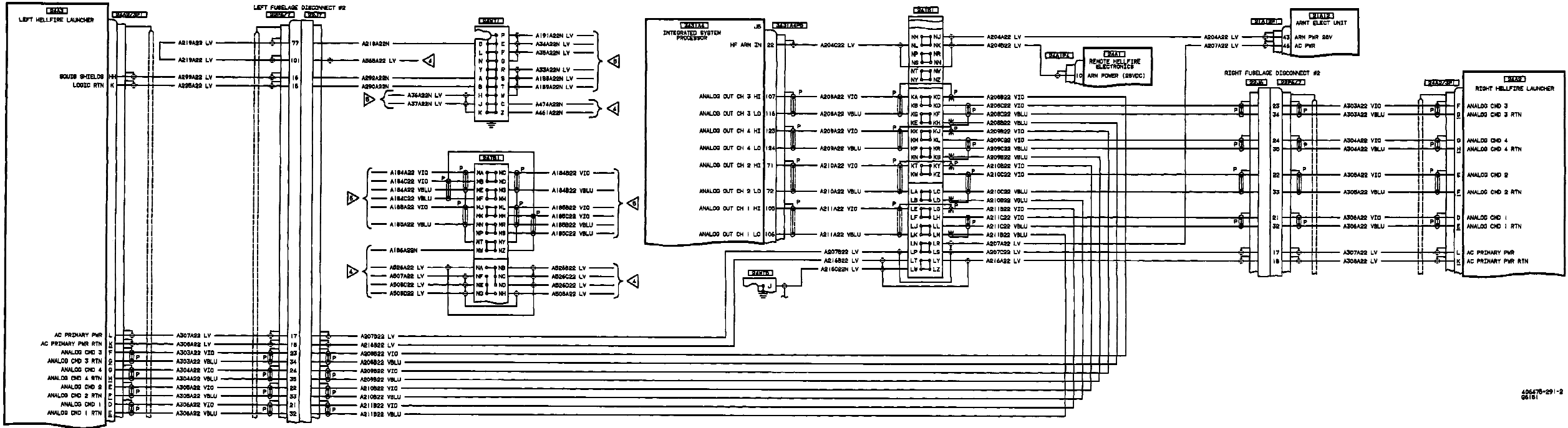


FO-22. Guns and Rockets System Wiring Diagram (Sheet 4 of 4)



FO-23. HELLFIRE Missile System (HMS) Wiring Diagram (Sheet 1 of 3)

404475-291-1  
02151







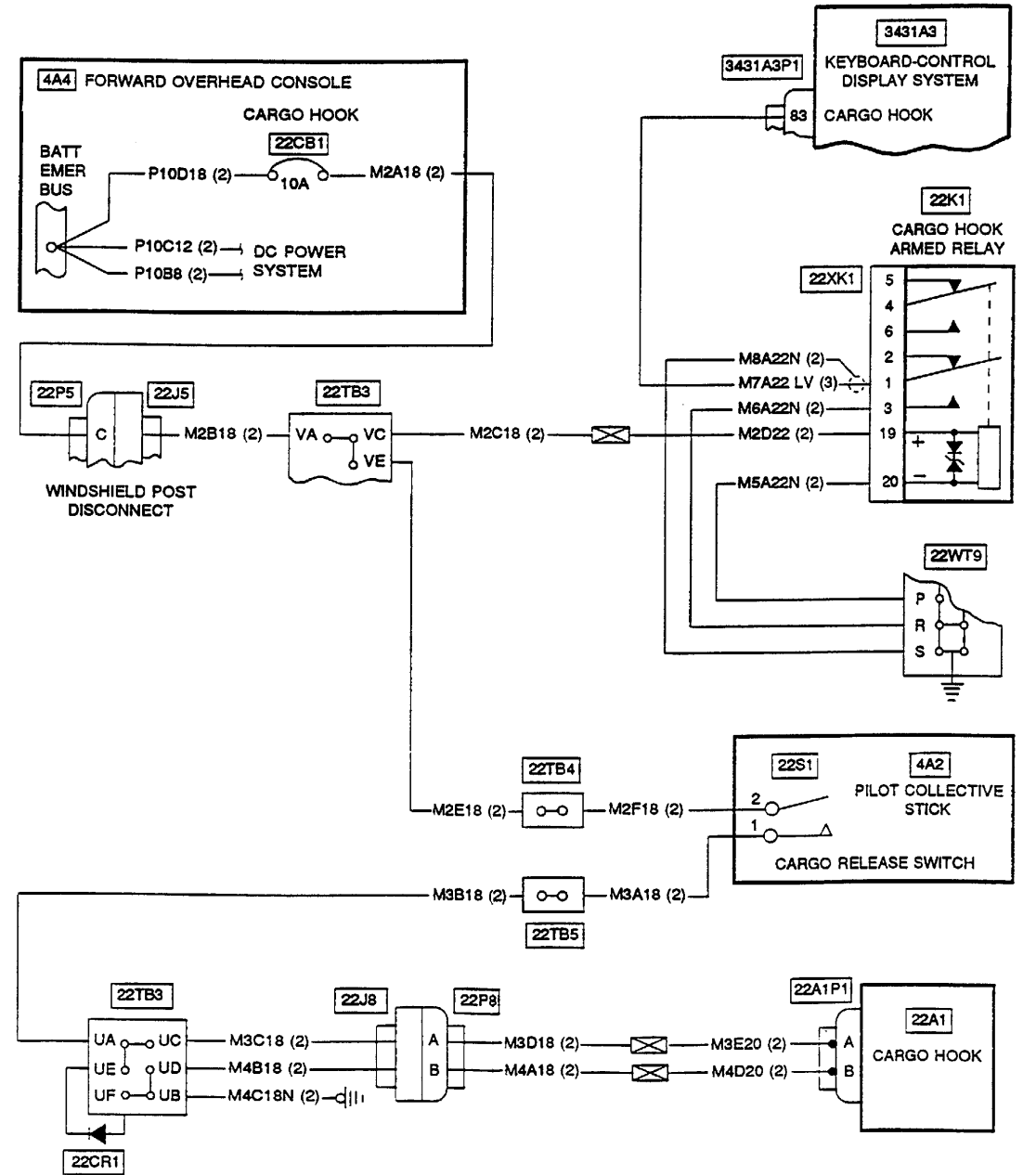


Figure FO-24. Cargo Hook Wiring Diagram  
Change 4 FP-199/(FP-200 blank)

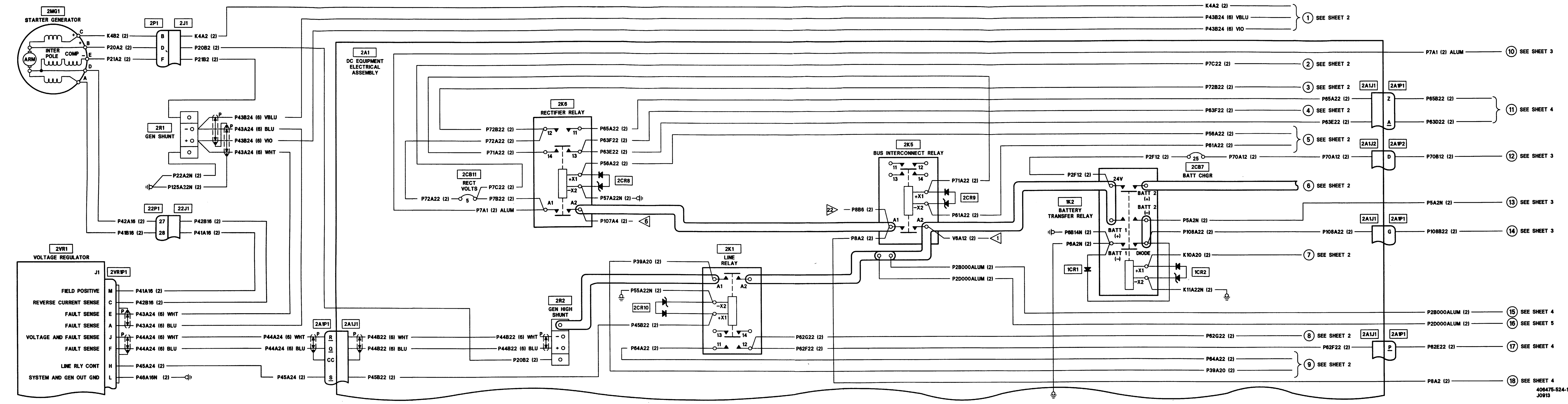


Figure FO-25. DC Power Systems Wiring Diagram OH-58D(R) (Sheet 1 of 6)



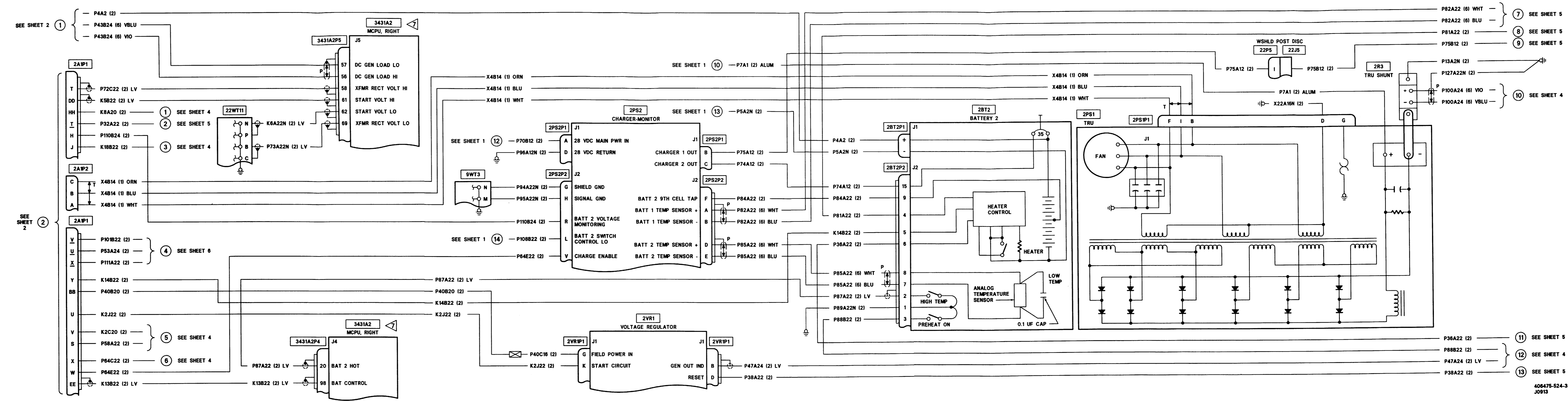


Figure FO-25. DC Power Systems Wiring Diagram OH-58D(R) (Sheet 3 of 6)

406475-524-3  
J0913

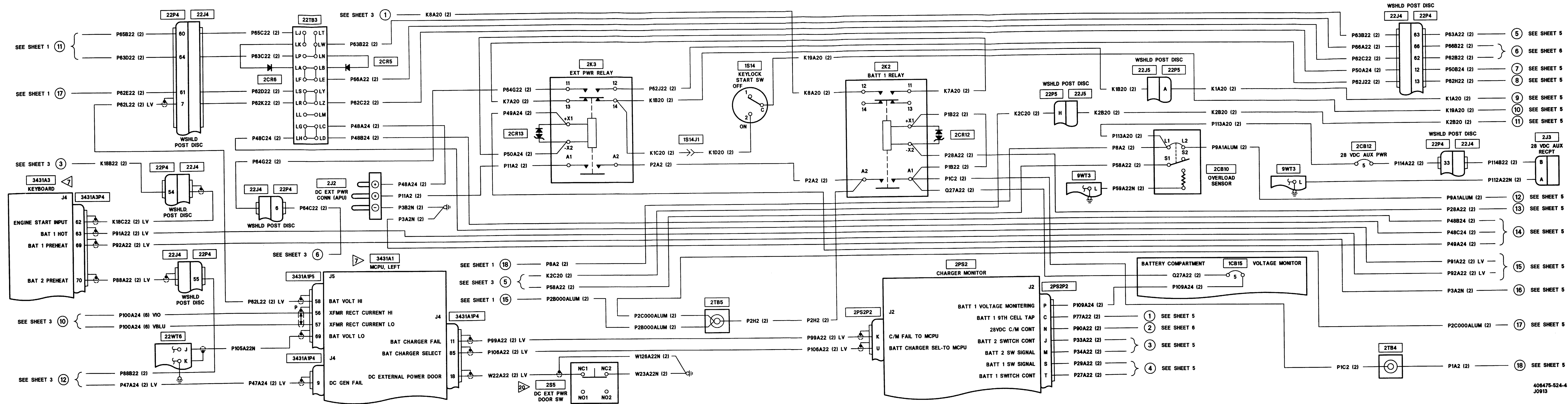
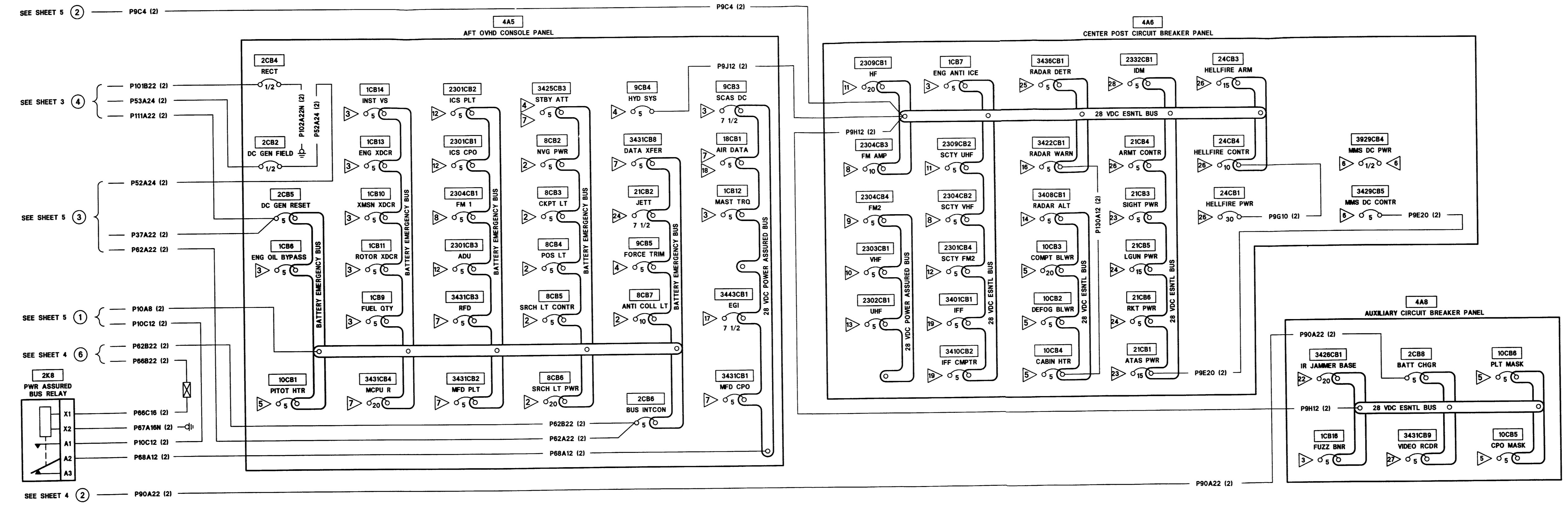


Figure FO-25. DC Power Systems Wiring Diagram OH-58D(R) (Sheet 4 of 6)

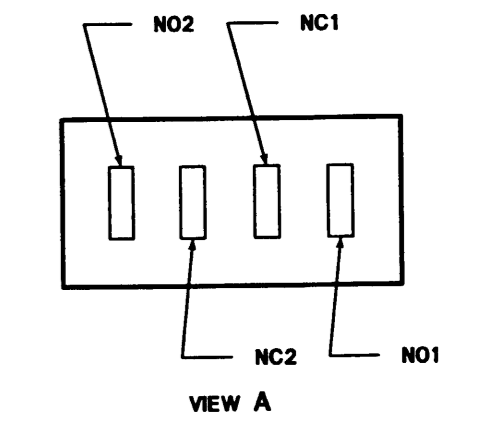
406475-524-4  
J0913





NOTES

- 1 REFER TO AC POWER SYSTEM WIRING DIAGRAM.
- 2 REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
- 3 REFER TO POWERPLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
- 4 REFER TO SCAS, HYDRAULIC, AND STANDBY ATTITUDE GYRO SYSTEM WIRING DIAGRAM.
- 5 REFER TO ENVIRONMENTAL SYSTEM WIRING DIAGRAM.
- 6 REFER TO MAST MOUNTED SIGHT (MMS) SYSTEM WIRING DIAGRAM.
- 7 REFER TO CONTROL DISPLAY SYSTEM (CDS) WIRING DIAGRAM.
- 8 REFER TO NO. 1 VHF-FM WIRING DIAGRAM TM 11-1520-248-23.
- 9 REFER TO NO. 2 VHF-FM WIRING DIAGRAM TM 11-1520-248-23.
- 10 REFER TO VHF-AM WIRING DIAGRAM TM 11-1520-248-23.
- 11 REFER TO HF WIRING DIAGRAM TM 11-1520-248-23.
- 12 REFER TO ICS WIRING DIAGRAM TM 11-1520-248-23.
- 13 REFER TO UHF WIRING DIAGRAM TM 11-1520-248-23.
- 14 REFER TO RADAR ALTIMETER WIRING DIAGRAM TM 11-1520-248-23.
- 15 REFER TO CARGO HOOK WIRING DIAGRAM.
- 16 REFER TO RADAR WARNING WIRING DIAGRAM TM 11-1520-248-23.
- 17 REFER TO EGI WIRING DIAGRAM TM 11-1520-248-23.
- 18 REFER TO AIR DATA SYSTEM (ADS) WIRING DIAGRAM.
- 19 REFER TO IFF WIRING DIAGRAM TM 11-1520-248-23.
- 20 SEE VIEW A FOR IDENTIFICATION OF SWITCH TERMINALS.
- 21 NUMBERED CIRCLE ON RIGHT SIDE OF SHEET SIGNIFIES \*SEE SHEET \* AND FIND SAME NUMBER ON LEFT SIDE OF SHEET WITH MATCHING WIRE NUMBER(S).
- 22 REFER TO AN/ALQ-144 WIRING DIAGRAM TM 11-1520-248-23.
- 23 REFER TO AIR-TO-AIR STINGER (ATAS) SYSTEM WIRING DIAGRAM.
- 24 REFER TO GUNS AND ROCKETS SYSTEM WIRING DIAGRAM.
- 25 REFER TO AN/APR-44 WIRING DIAGRAM TM 11-1520-248-23.
- 26 REFER TO HELLFIRE MISSILE SYSTEM (HMS) WIRING DIAGRAM.
- 27 REFER TO VIDEO TAPE RECORDER WIRING DIAGRAM TM 11-1520-248-23.
- 28 REFER TO IDM WIRING DIAGRAM TM 11-1520-248-23.



VIEW LOOKING AT REAR OF SWITCH [25] WITH KEYWAY UP

Figure FO-25. DC Power Systems Wiring Diagram OH-58D(R) (Sheet 6 of 6)

406475-524-6 J0913



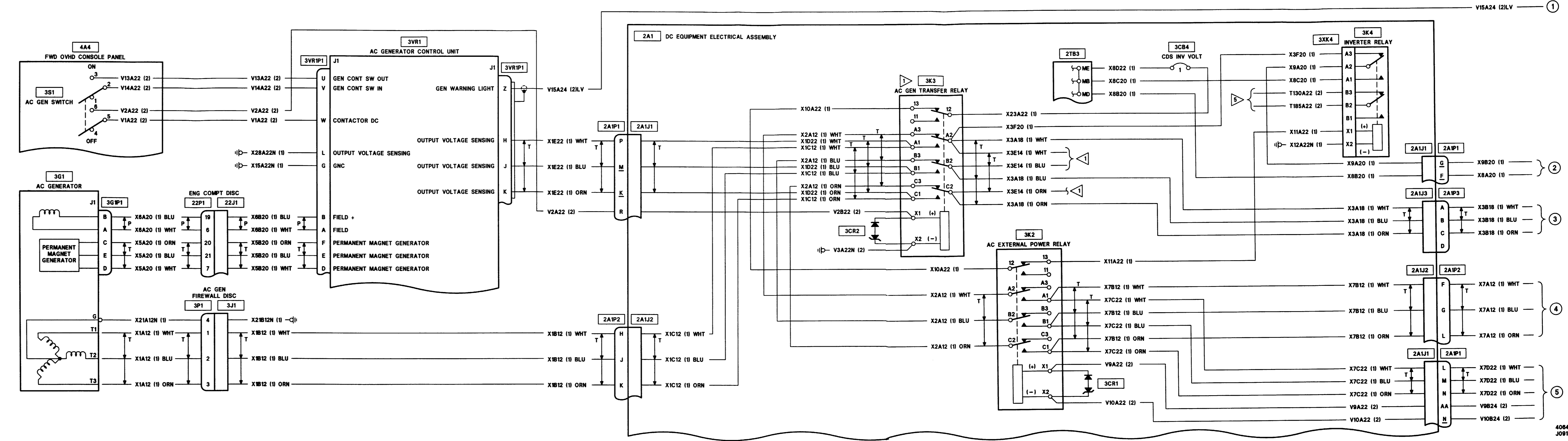
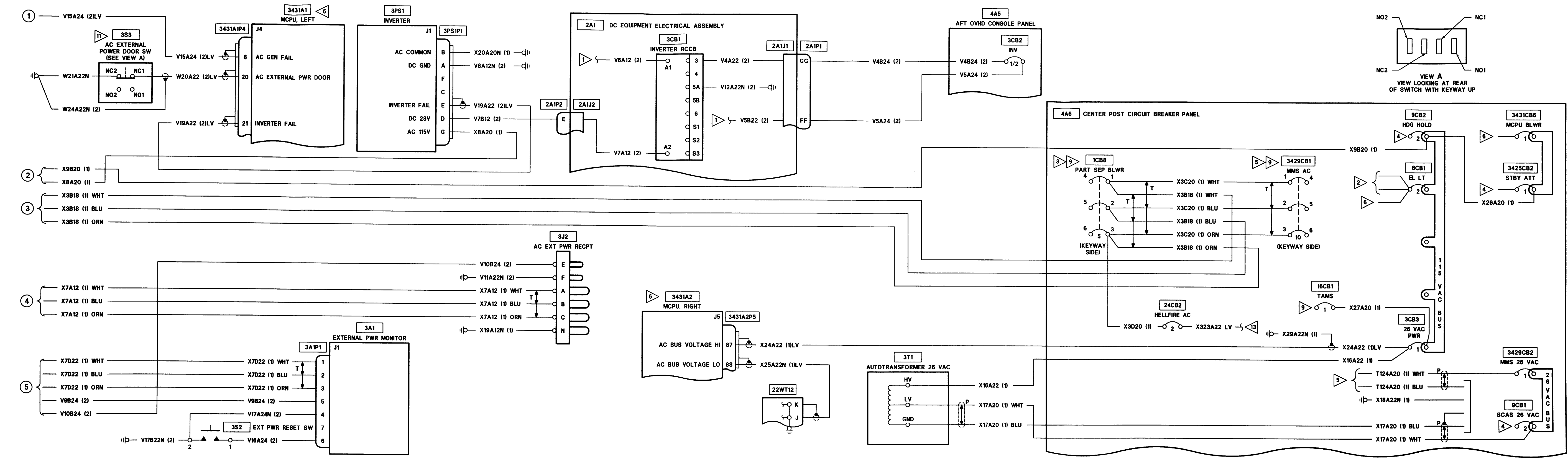


Figure FO-26. AC Power Systems Wiring Diagram OH-58D(R) (Sheet 1 of 2)

406475-525-1  
J0913



- NOTES
- 1 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 2 REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
  - 3 REFER TO POWERPLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
  - 4 REFER TO SCAS, HYDRAULIC, AND STANDBY ATTITUDE GYRO SYSTEM WIRING DIAGRAM.
  - 5 REFER TO MAST MOUNTED SIGHT (MMS) SYSTEM WIRING DIAGRAM.
  - 6 REFER TO CONTROL DISPLAY SYSTEM (CDS) WIRING DIAGRAM.
  - 7 REFER TO TAMS SYSTEM WIRING DIAGRAM.
  - 8 REFER TO HELLFIRE MISSILE SYSTEM (HMS) WIRING DIAGRAM.
  - 9 VIEW LOOKING AT REAR OF CIRCUIT BREAKER WITH KEYWAY UP. NUMBER WILL READ FROM LEFT TO RIGHT WITH 1, 2, AND 3 ON THE TOP OR KEYWAY SIDE.
  - 10 SWITCH SHOWN WITH DOOR OPEN SEE VIEW A FOR IDENTIFICATION OF SWITCH TERMINALS.
  - 11 NUMBERED CIRCLE ON RIGHT SIDE SIGNIFIES "GO TO NEXT SHEET" AND FIND SAME NUMBER ON LEFT SIDE OF SHEET WITH MATCHING NUMBER (S).

Figure FO-26. AC Power Systems Wiring Diagram OH-58D(R) (Sheet 2 of 2)

406475-525-2  
J0913



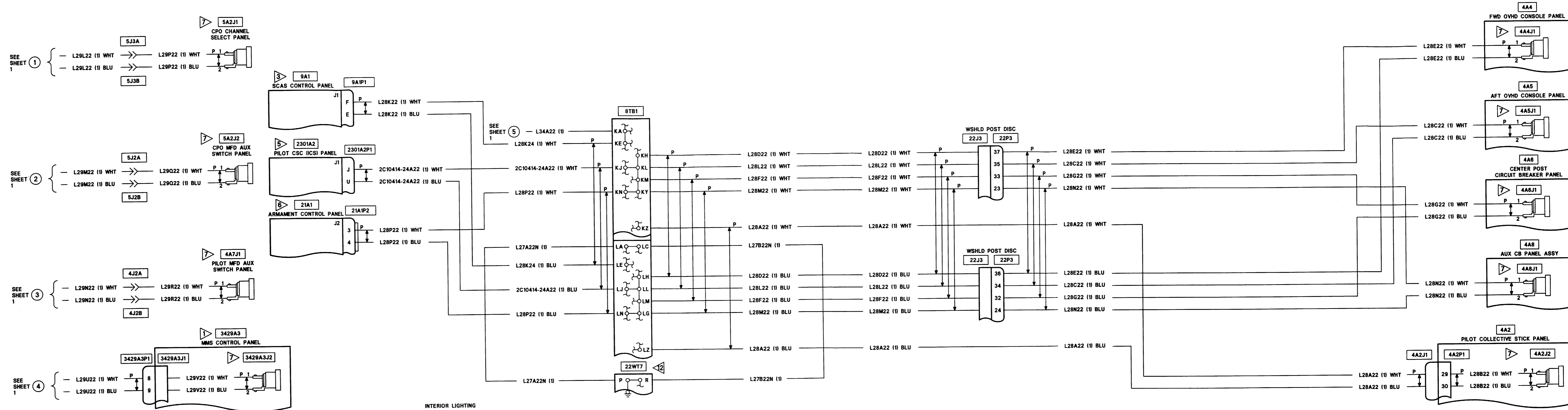


Figure FO-27. Lighting Systems Wiring Diagram OH-58D(R) (Sheet 2 of 4)

408475-528-2  
J0913

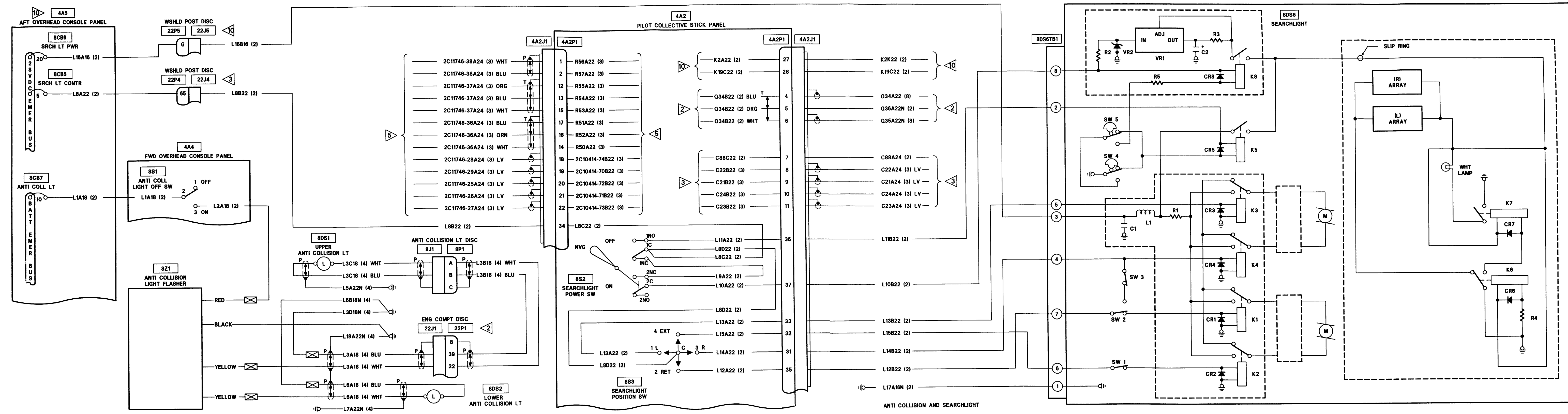
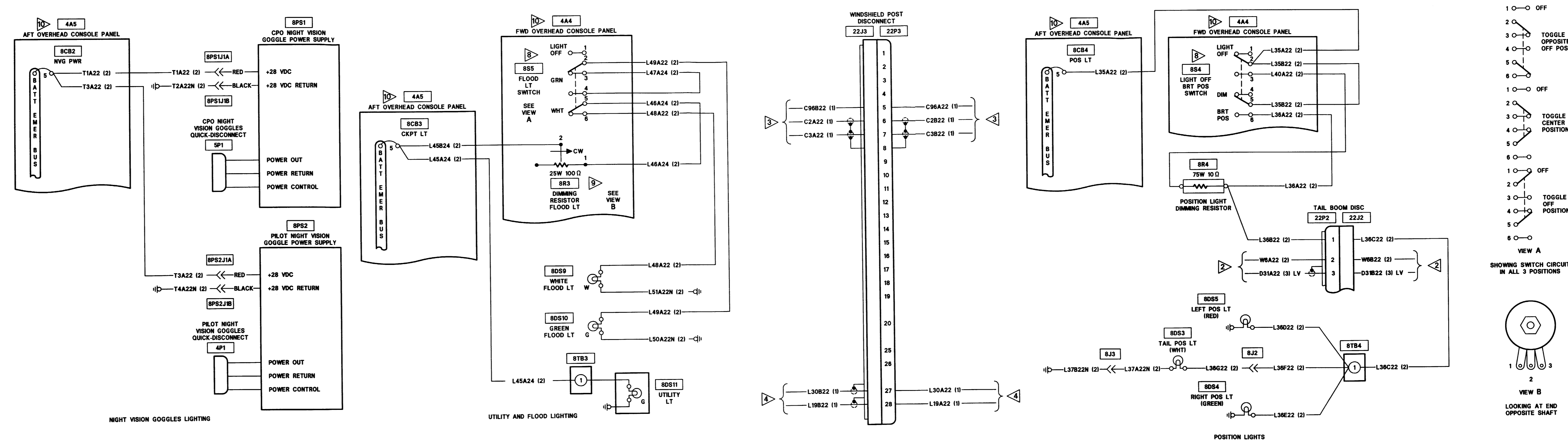


Figure FO-27. Lighting Systems Wiring Diagram OH-58D(R) (Sheet 3 of 4)

406475-526-3  
J0915



**NOTES:**

- REFER TO MAST MOUNTED SIGHT (MMS) SYSTEM WIRING DIAGRAM.
- REFER TO POWERPLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
- REFER TO SCAS, HYDRAULICS AND STANDBY ATTITUDE GYRO SYSTEMS WIRING DIAGRAM.
- REFER TO CONTROL DISPLAY SYSTEM (CDS) WIRING DIAGRAM.
- REFER TO ICS WIRING DIAGRAM. TM 11-1520-248-23.
- REFER TO GUNS AND ROCKETS WIRING DIAGRAM.
- MS90335-1 CONNECTOR TERMINALS SHALL BE IDENTIFIED AS FOLLOWS:  
1. POSITIVE CONNECTION (CENTER TERMINAL).  
2. NEGATIVE CONNECTION (OUTER TERMINAL).
- SEE VIEW A FOR TOGGLE SWITCH POSITIONS.
- SEE VIEW B FOR TERMINAL CONNECTIONS.
- REFER TO DC POWER SYSTEM WIRING DIAGRAM.

**VIEW A**  
SHOWING SWITCH CIRCUIT IN ALL 3 POSITIONS

**VIEW B**  
LOOKING AT END OPPOSITE SHAFT

**Legend:**

- 1 - OFF
- 2 - TOGGLE OPPOSITE OFF POSITION
- 3 - TOGGLE CENTER POSITION
- 4 - TOGGLE OFF POSITION

Figure FO-27. Lighting Systems Wiring Diagram OH-58D(R) (Sheet 4 of 4)

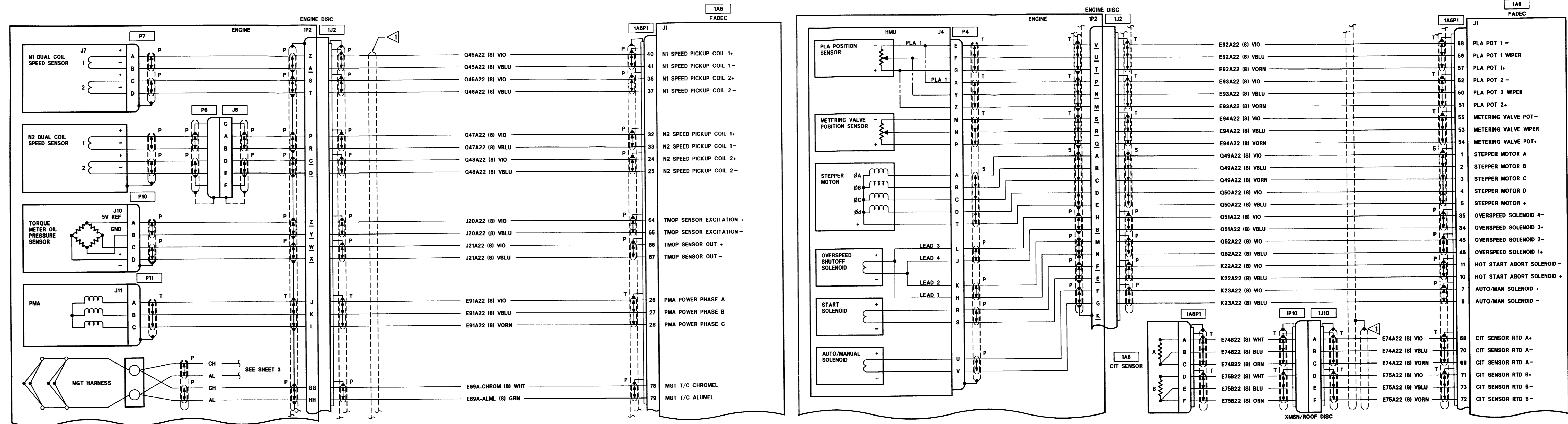


Figure FO-28. Power Plant and Transmission Systems Wiring Diagram OH-58D(R) (Sheet 1 of 9)

406475-527-1  
J0913

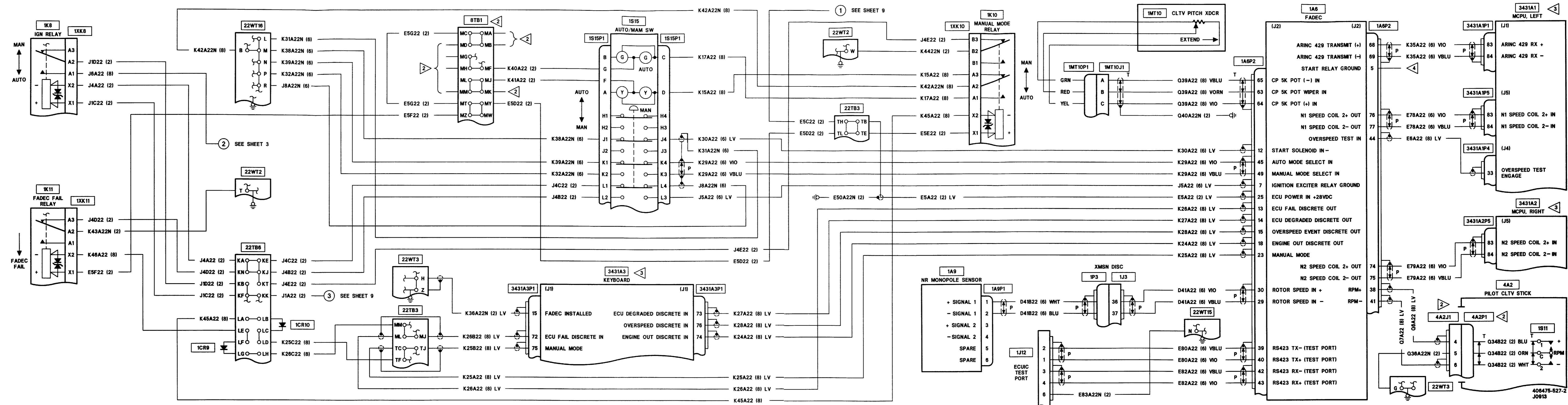


Figure FO-28. Power Plant and Transmission Systems Wiring Diagram OH-58D(R) (Sheet 2 of 9)



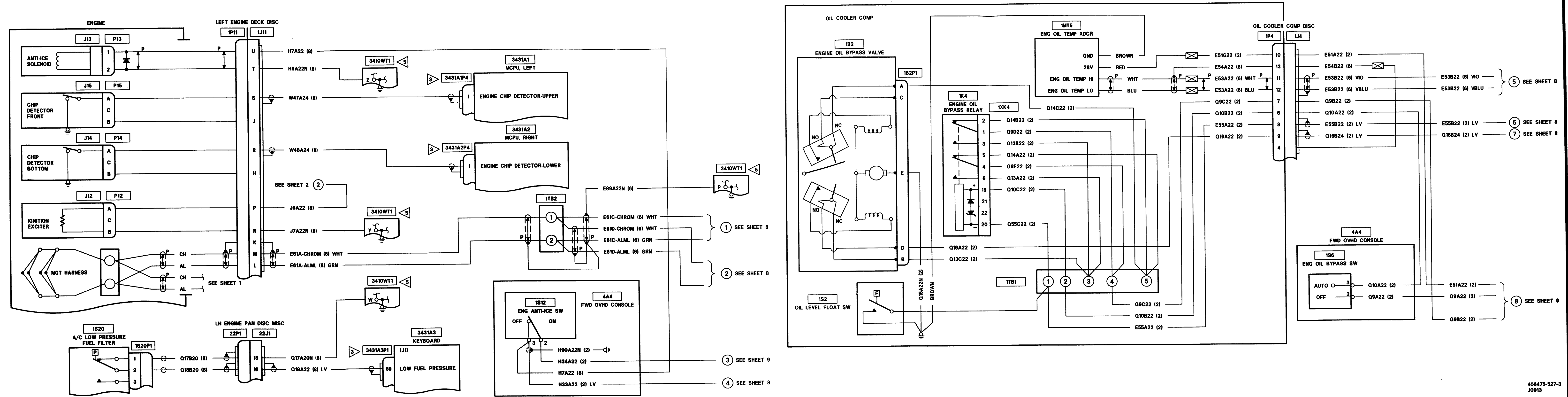


Figure FO-28. Power Plant and Transmission Systems Wiring Diagram OH-58D(R) (Sheet 3 of 9)

406475-527-3  
J0913

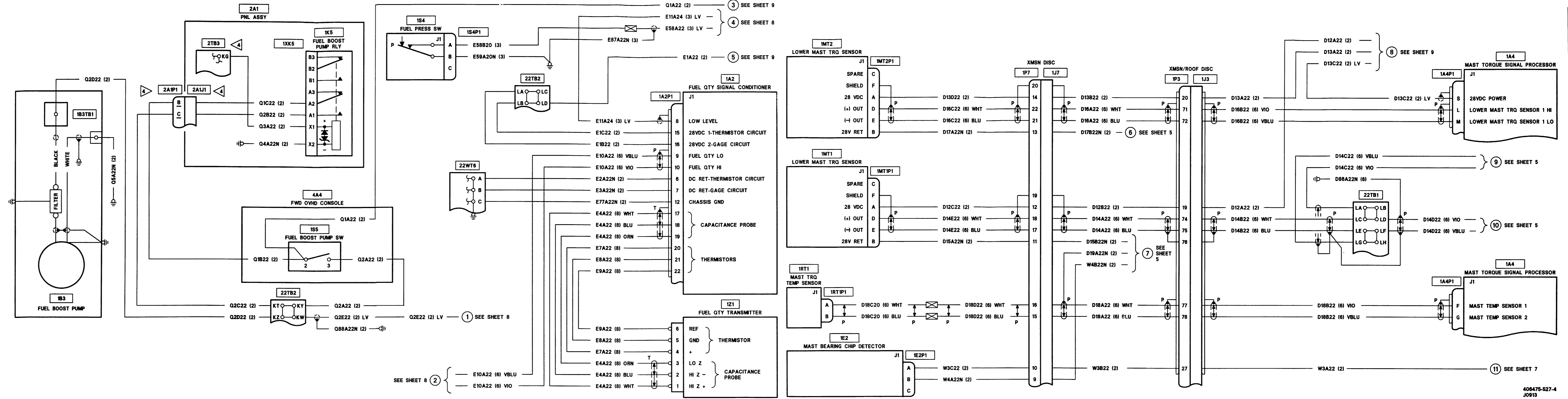


Figure FO-28. Power Plant and Transmission Systems Wiring Diagram OH-58D(R) (Sheet 4 of 9)

406475-527-4  
J0913

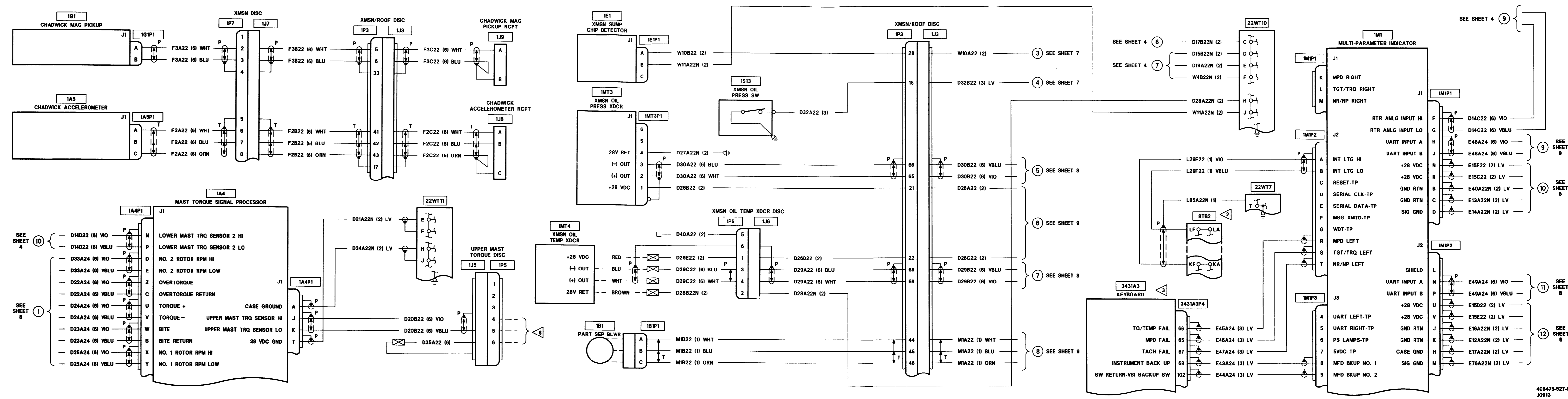


Figure FO-28. Power Plant and Transmission Systems Wiring Diagram OH-58D(R) (Sheet 5 of 9)

406475-527-5  
J0913

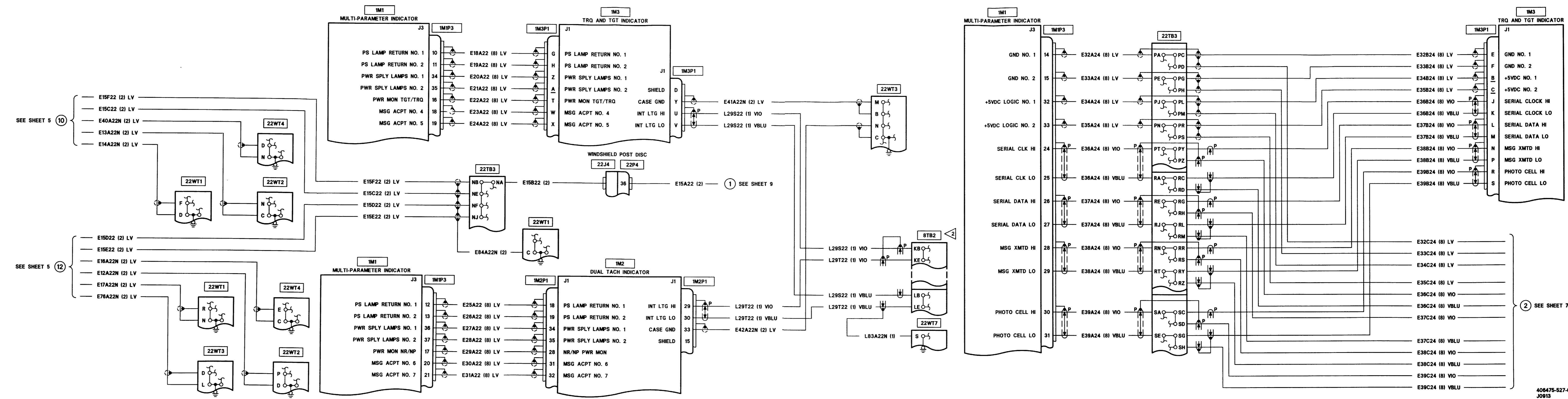


Figure FO-28. Power Plant and Transmission Systems Wiring Diagram OH-58D(R) (Sheet 6 of 9)

406475-527-6  
J0913

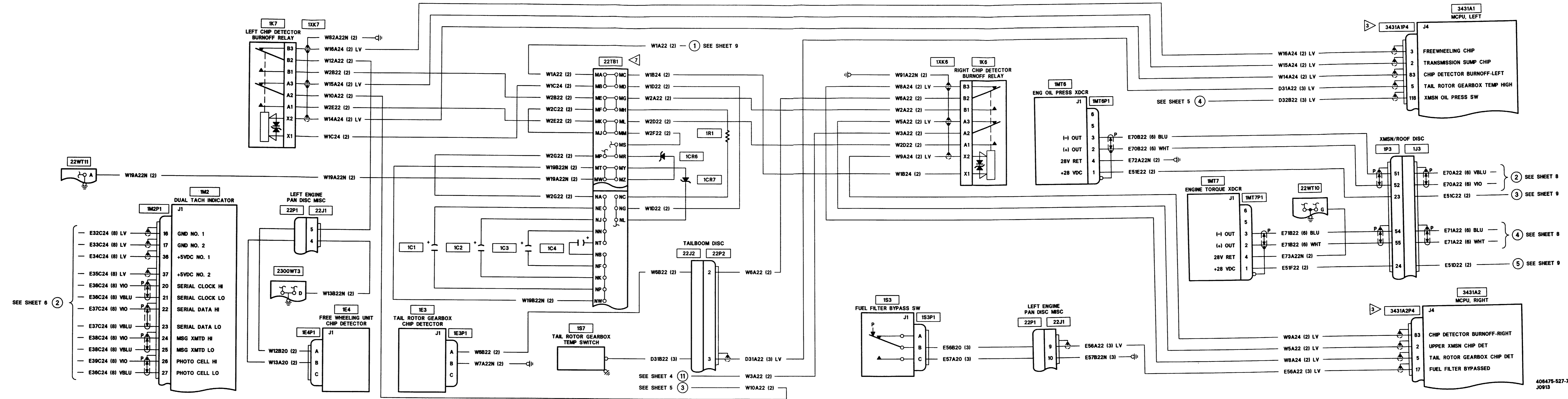


Figure FO-28. Power Plant and Transmission Systems Wiring Diagram OH-58D(R) (Sheet 7 of 9)

406475-527-7  
J0913

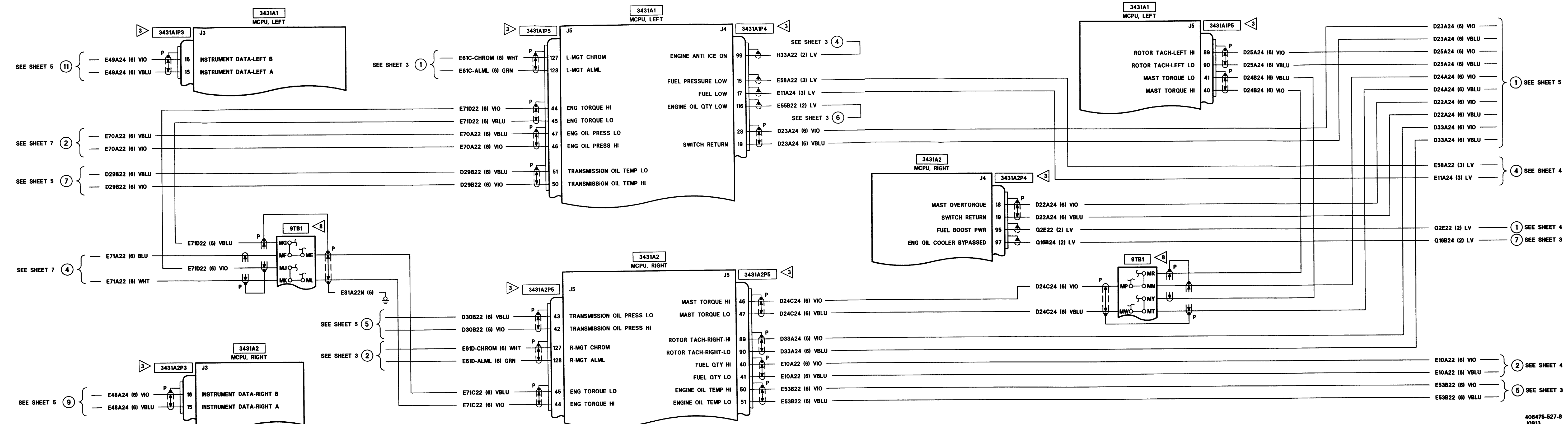


Figure FO-28. Power Plant and Transmission Systems Wiring Diagram OH-58D(R) (Sheet 8 of 9)

406475-527-8  
J0913

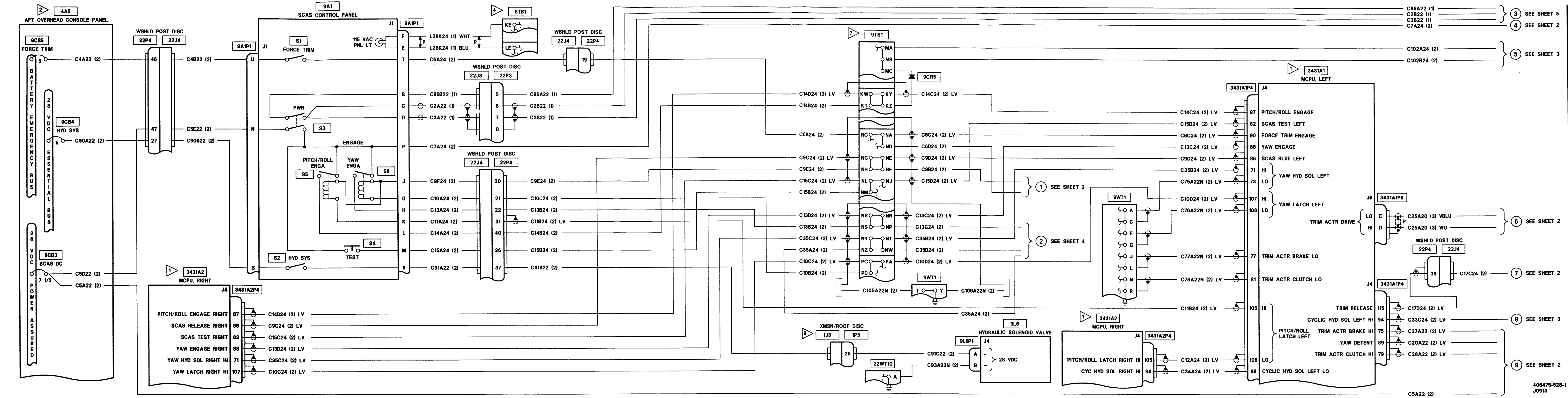
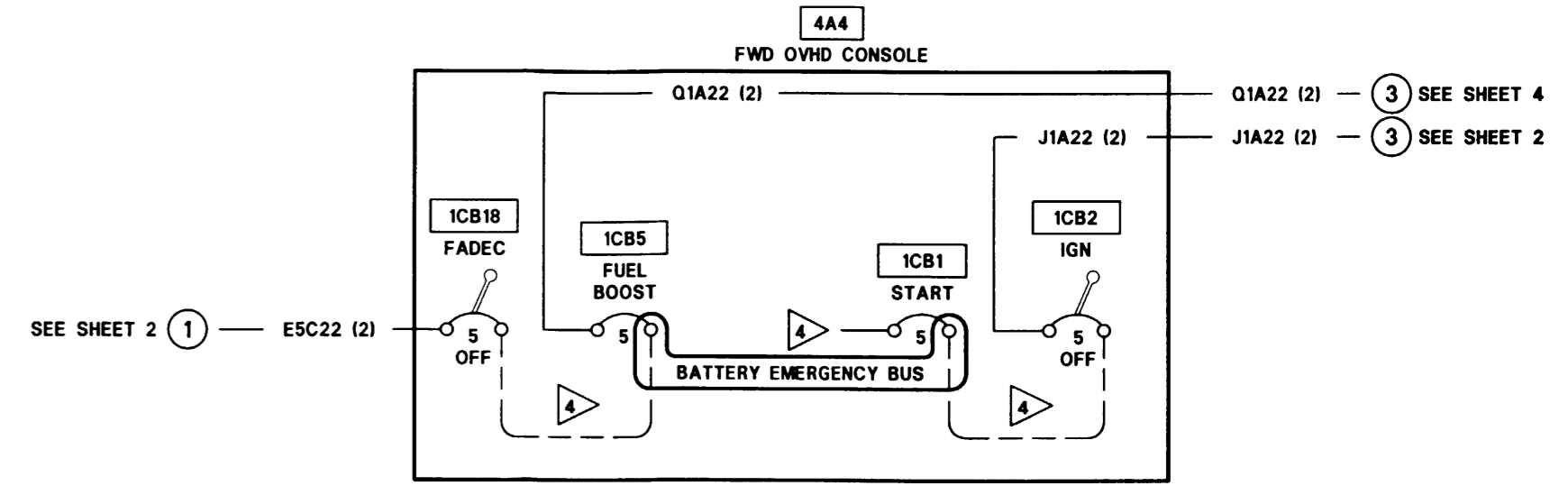
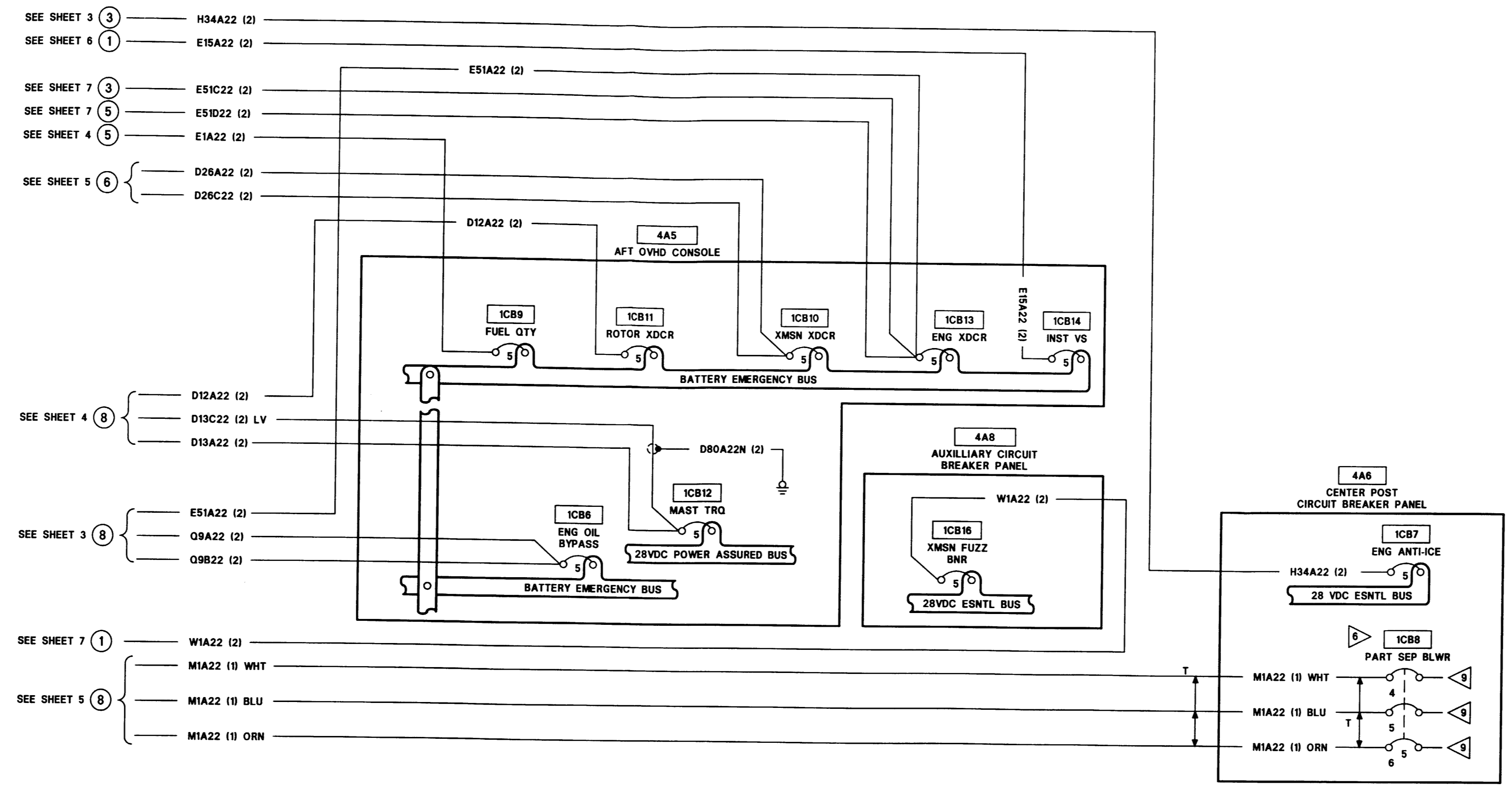


Figure FO-29. SCAS and Hydraulic Systems Wiring Diagram OH-58D(R) (Sheet 1 of 6)



- NOTES
- 1 EM/RFI SHIELDING OF HARNESS AND SHIELD TERMINATION OF GROSS SHIELD.
  - 2 REFER TO LIGHTING WIRING DIAGRAM.
  - 3 REFER TO CONTROL DISPLAY SYSTEM (CDS) WIRING DIAGRAM.
  - 4 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 5 REFER TO IFF WIRING DIAGRAM TM 11-1520-248-23.
  - 6 REFER TO MAST MOUNTED SIGHT (MMS) SYSTEM WIRING DIAGRAM.
  - 7 REFER TO UHF WIRING DIAGRAM TM 11-1520-248-23.
  - 8 REFER TO EGI WIRING DIAGRAM.
  - 9 REFER TO AC POWER SYSTEM WIRING DIAGRAM.

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J0913

Figure FO-28. Power Plant and Transmission Systems Wiring Diagram OH-58D(R) (Sheet 9 of 9)





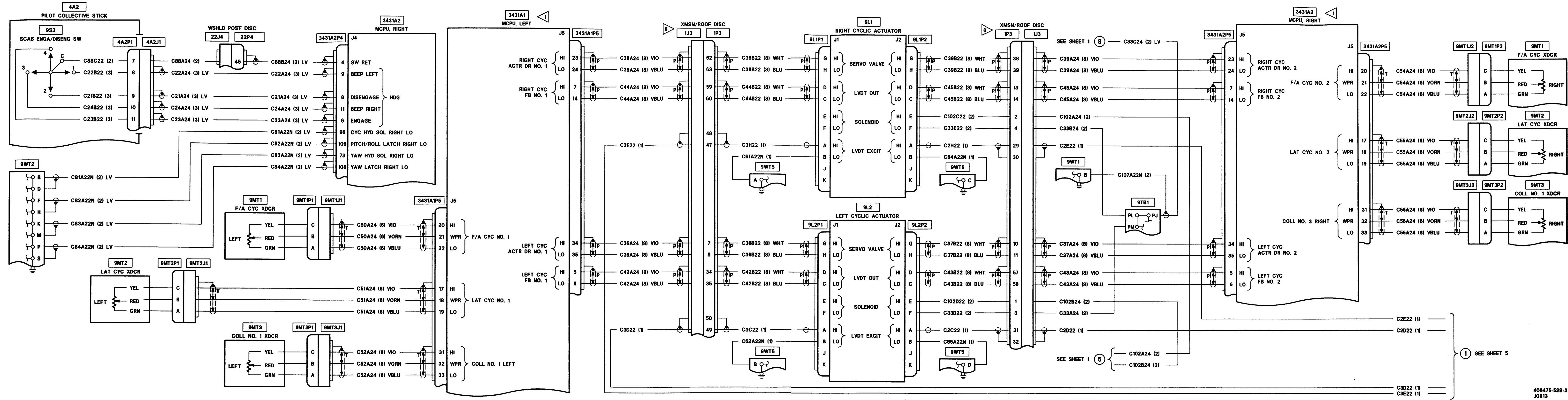


Figure FO-29. SCAS and Hydraulic Systems Wiring Diagram OH-58D(R) (Sheet 3 of 6)

406475-528-3  
J0913



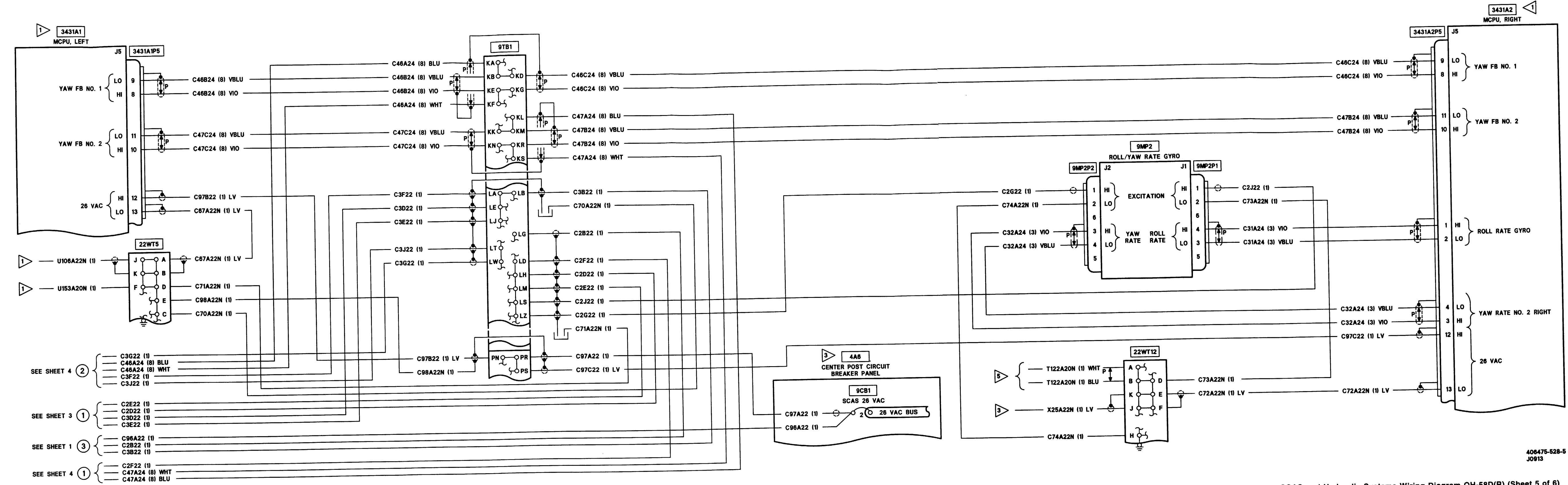
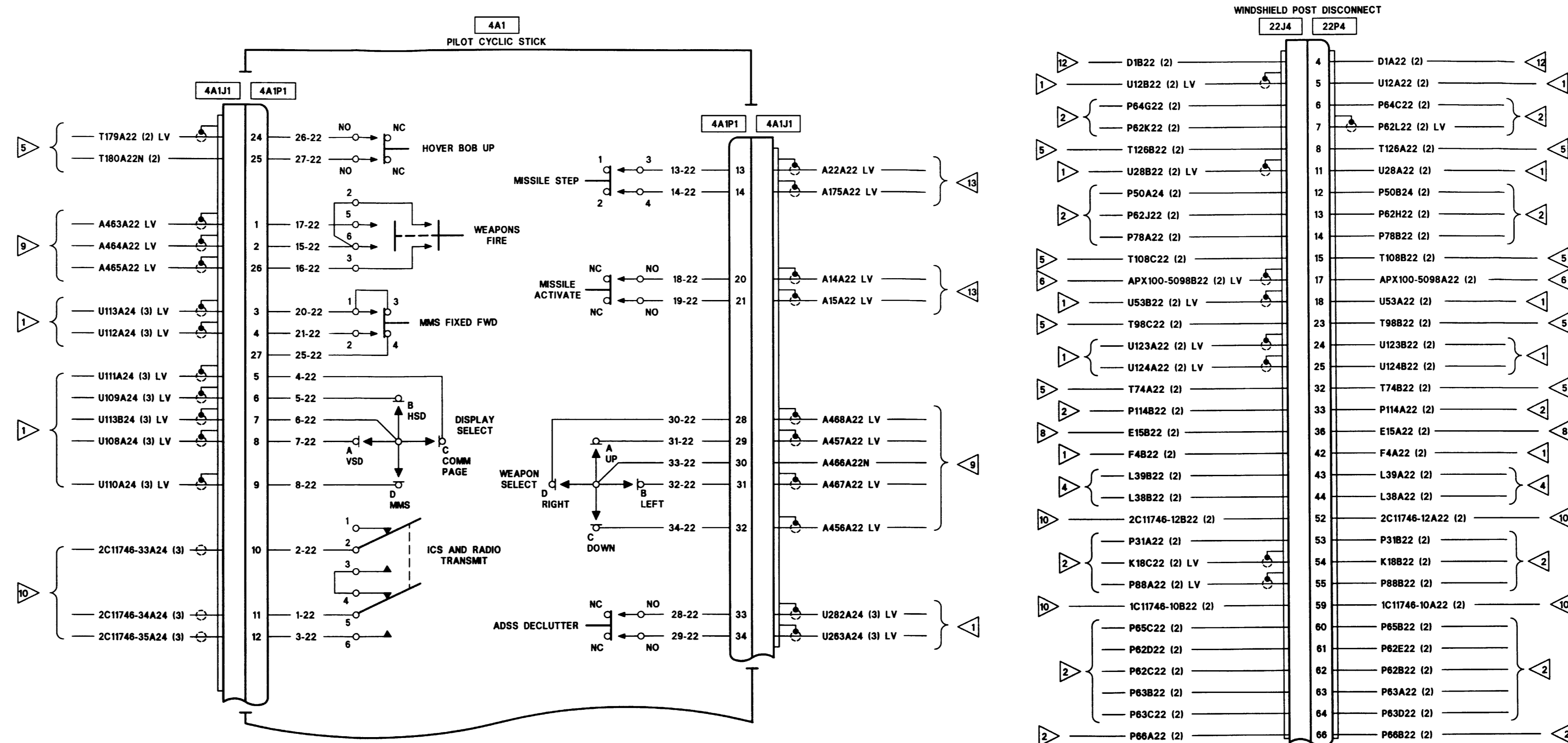


Figure FO-29. SCAS and Hydraulic Systems Wiring Diagram OH-58D(R) (Sheet 5 of 6)

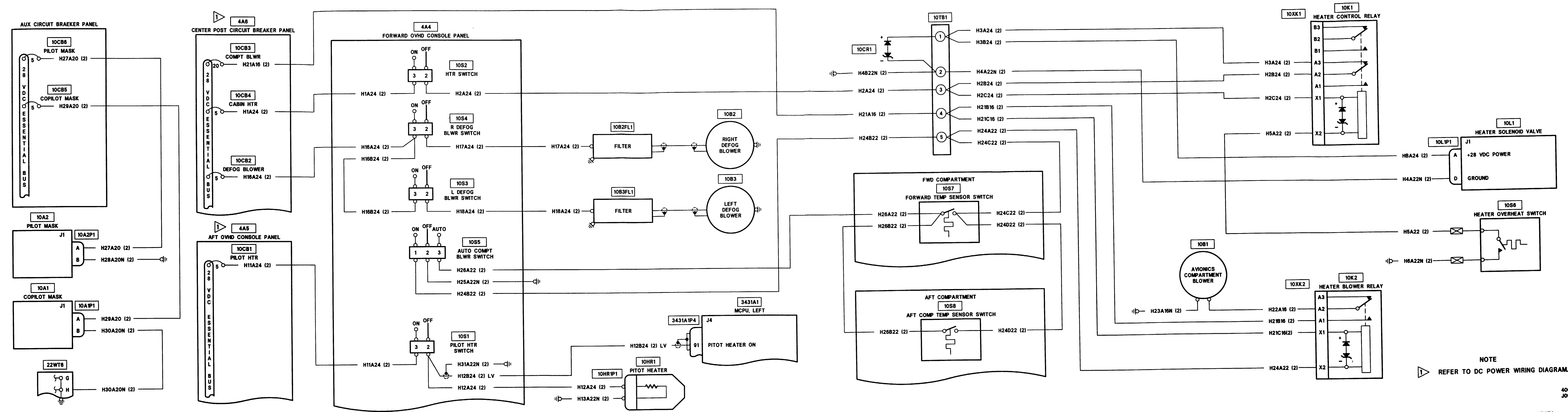
406475-528-5 J0813



- NOTES**
- 1 REFER TO CONTROL DISPLAY SYSTEM (CDS) WIRING DIAGRAM.
  - 2 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 3 REFER TO AC POWER SYSTEM WIRING DIAGRAM.
  - 4 REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
  - 5 REFER TO MAST MOUNTED SIGHT (MMS) SYSTEM WIRING DIAGRAM.
  - 6 REFER TO IFF WIRING DIAGRAM TM 11-1520-248-23.
  - 7 REFER TO EGI SYSTEM WIRING DIAGRAM TM 11-1520-248-23.
  - 8 REFER TO POWER PLANT AND TRANSMISSION WIRING DIAGRAM.
  - 9 REFER TO GUNS AND ROCKETS SYSTEM WIRING DIAGRAM.
  - 10 REFER TO ICS WIRING DIAGRAM TM 11-1520-248-23.
  - 11. NUMBERED CIRCLE ON RIGHT SIDE OF SHEET SIGNIFIES "GO TO NEXT SHEET" AND FIND SAME NUMBER ON LEFT SIDE OF SHEET WITH MATCHING WIRE NUMBER(S).
  - 12 REFER TO ADS WIRING DIAGRAM.
  - 13 REFER TO ATAS WIRING DIAGRAM.

Figure FO-29. SCAS and Hydraulic Systems Wiring Diagram OH-58D(R) (Sheet 6 of 6)

406475-528-6  
J0913



NOTE  
REFER TO DC POWER WIRING DIAGRAM.

Figure FO-30. Environmental Electrical Systems Wiring Diagram OH-58D(R)

406475-529  
J0913

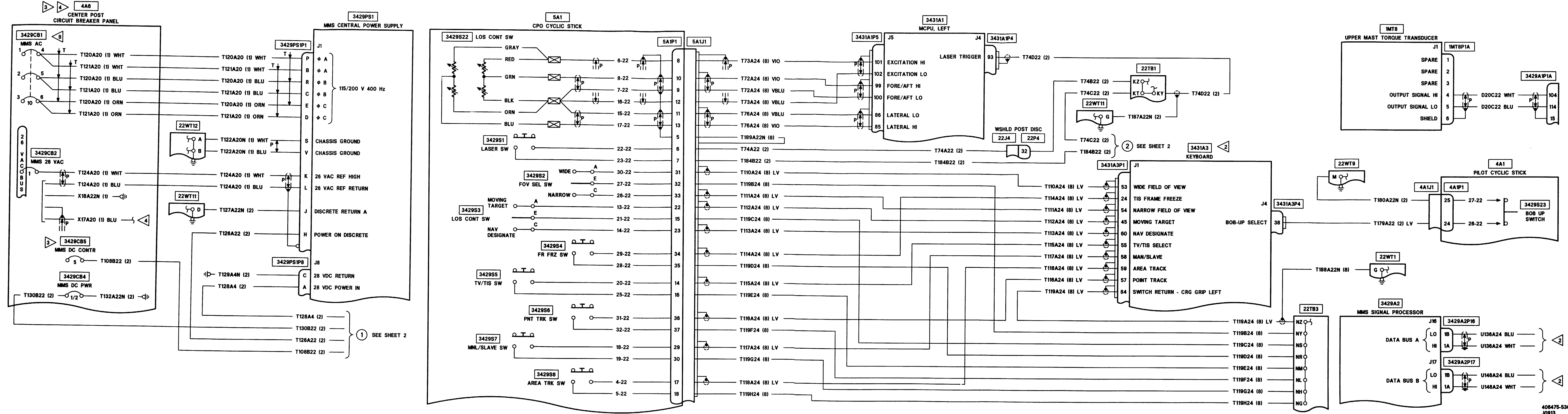


Figure FO-31. Mast Mounted Sight (MMS) System Wiring Diagram OH-58D(R) (Sheet 1 of 5)





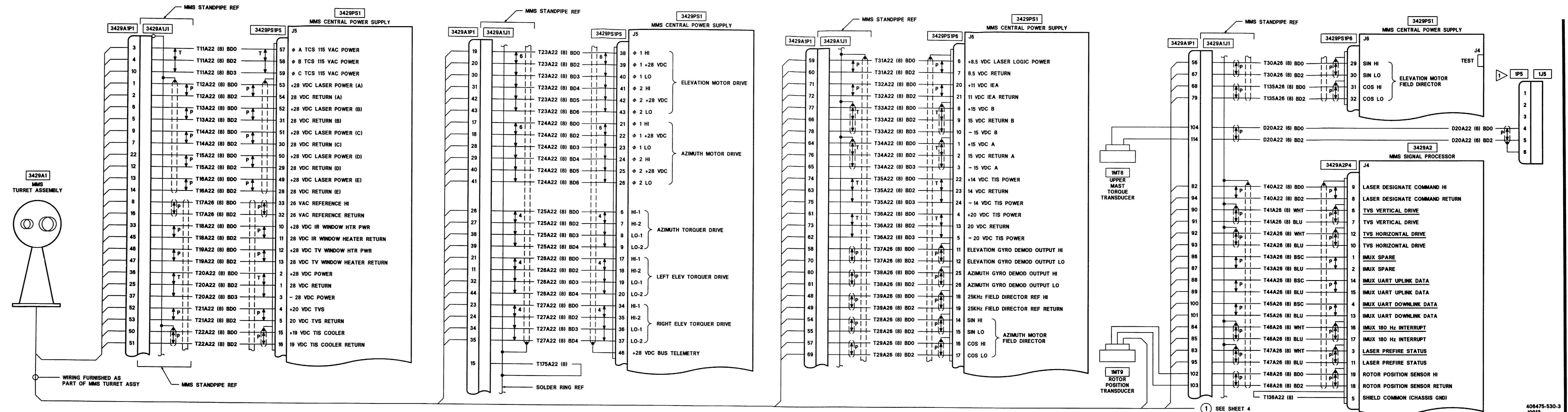
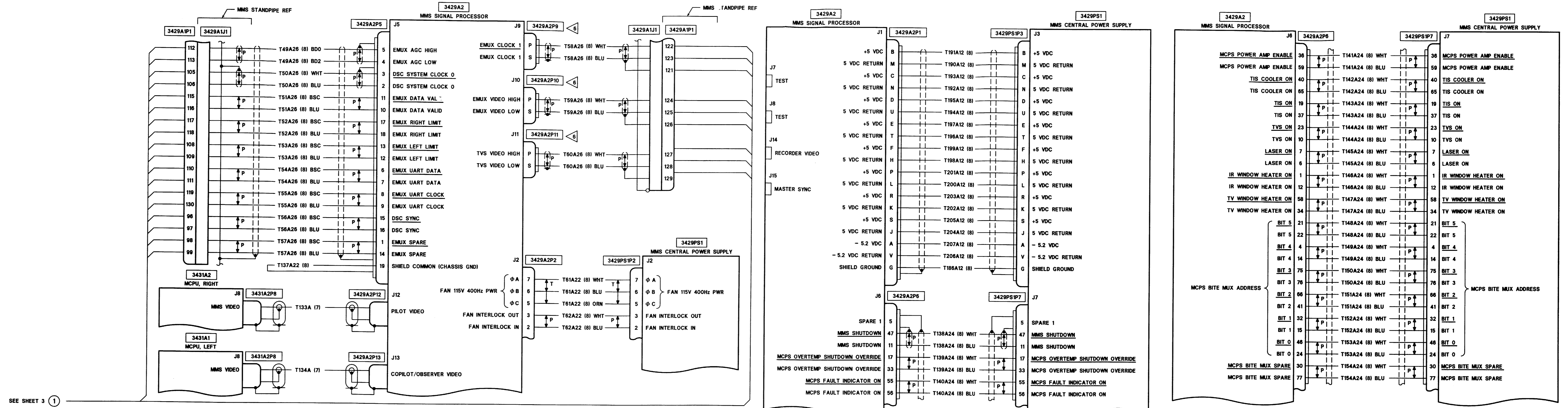


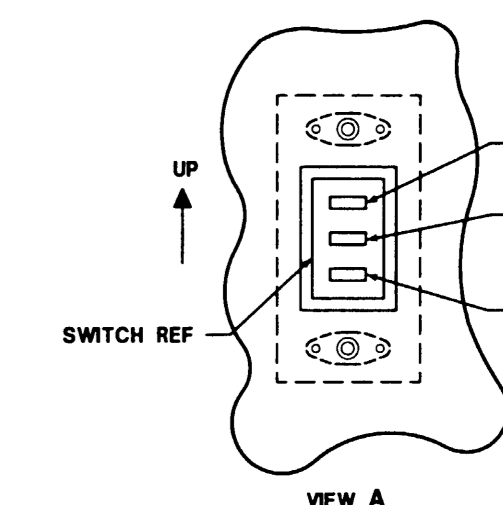
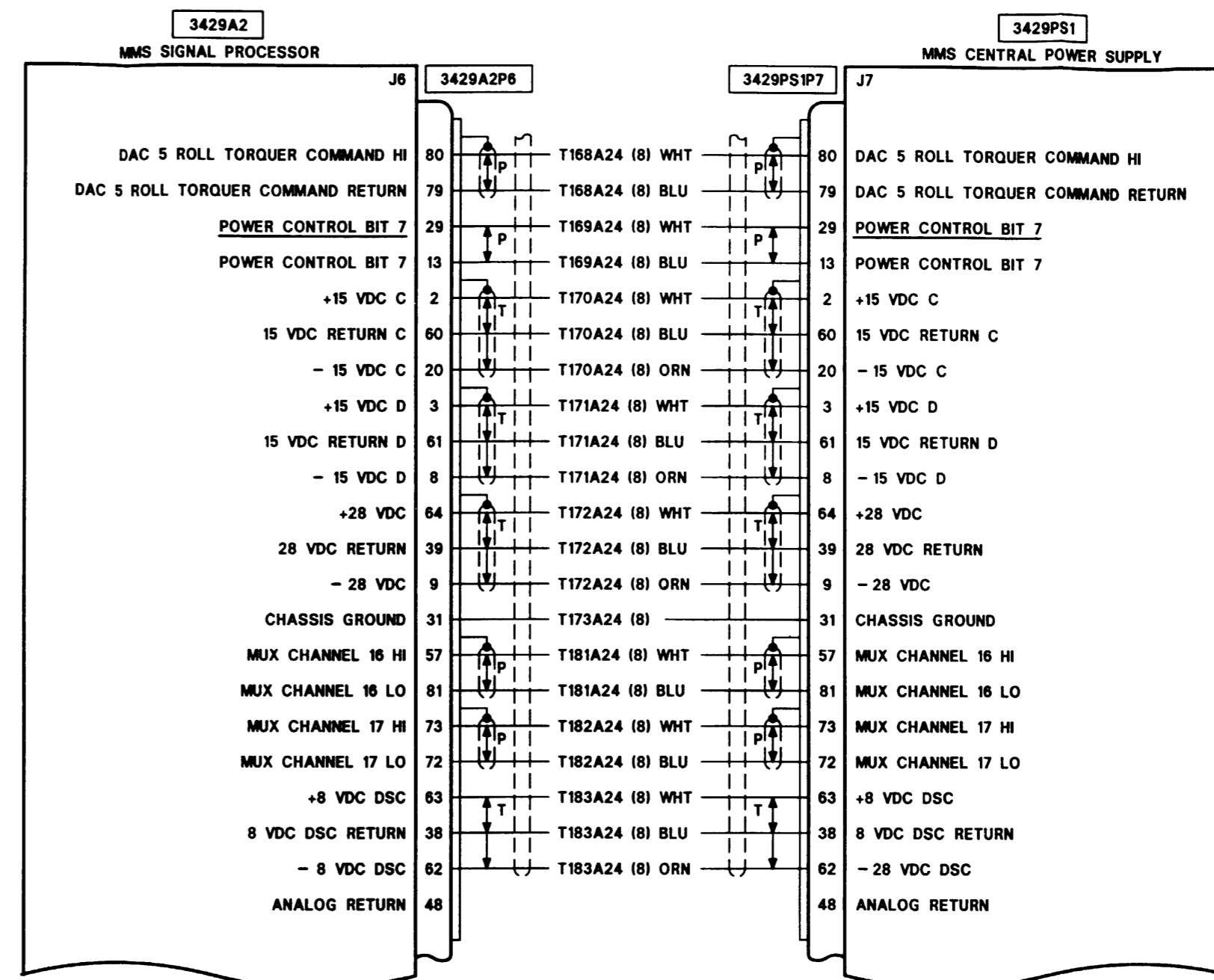
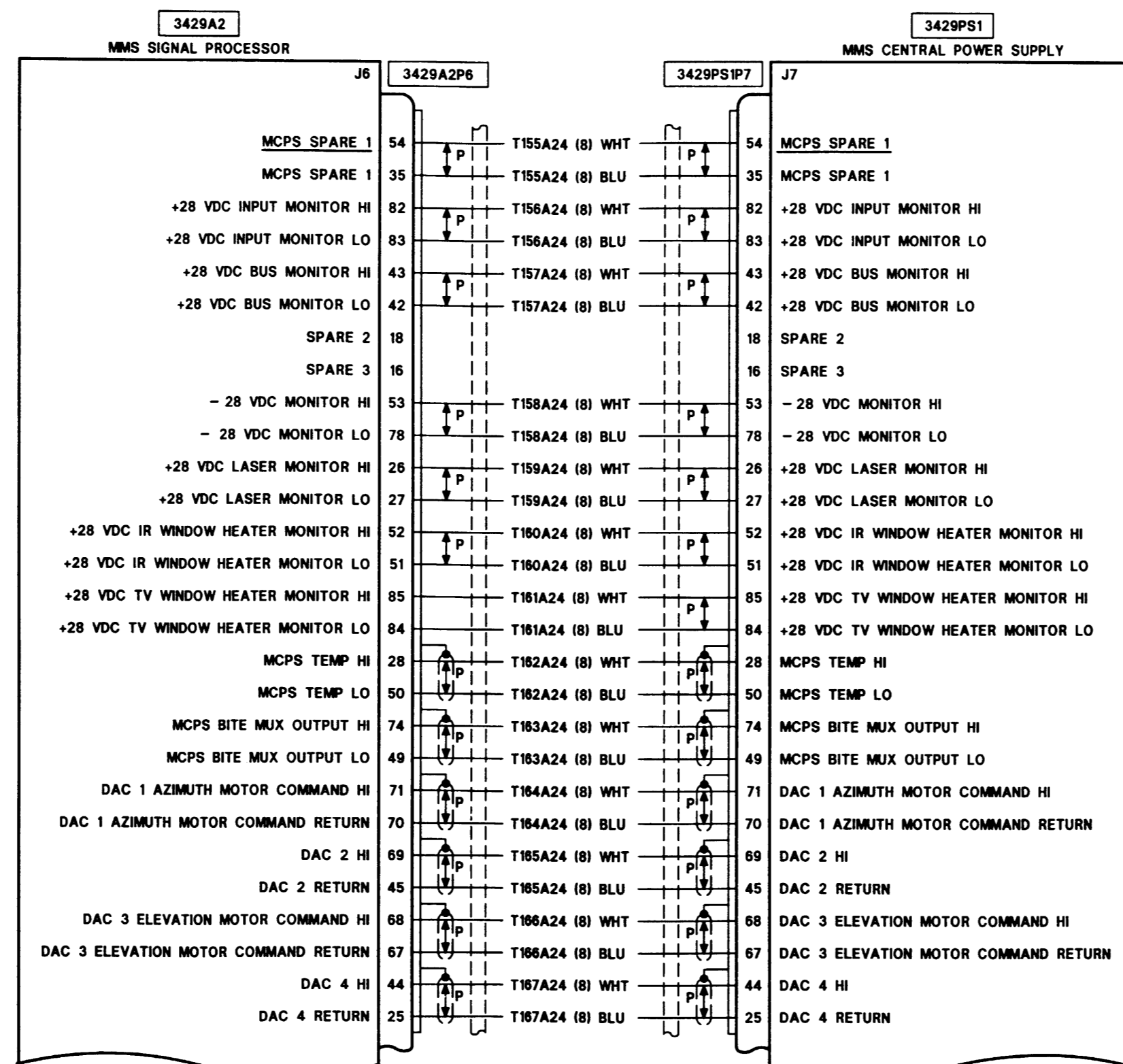
Figure FO-31. Mast Mounted Sight (MMS) System Wiring Diagram OH-58D(R) (Sheet 3 of 5)



SEE SHEET 3 ①

406475-530-4  
J0913

Figure FO-31. Mast Mounted Sight (MMS) System Wiring Diagram OH-58D(R) (Sheet 4 of 5)



VIEW A  
VIEW LOOKING AT REAR OF SWITCH AS INSTALLED IN PANEL TO SHOW SWITCH TERMINAL (1, 2, OR 3) IDENTIFICATION.

- NOTES
- 1 REFER TO POWERPLANT AND TRANSMISSION SYSTEM WIRING DIAGRAM.
  - 2 REFER TO CONTROL DISPLAY SYSTEM (CDS) WIRING DIAGRAM.
  - 3 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 4 REFER TO AC POWER SYSTEM WIRING DIAGRAM.
  - 5 REFER TO LIGHTING SYSTEM WIRING DIAGRAM.
  - 6 FURNISHED CONNECTOR CONTACT IDENTIFICATION FOR TERMINATING A 2-CONDUCTOR SHIELDED, JACKETED CABLE SHALL BE AS FOLLOWS:  
P = PIN CONTACT  
S = SOCKET CONTACT
  - 7 SEE VIEW A FOR SWITCH TERMINAL IDENTIFICATION.
  - 8 VIEW LOOKING AT REAR OF CIRCUIT BREAKER. NUMBERS WILL READ FROM LEFT TO RIGHT WITH 1, 2, AND 3 ON THE TOP, OR KEYWAY SIDE.
  9. NUMBERED CIRCLE ON RIGHT SIDE OF SHEET SIGNIFIES "GO TO NEXT SHEET" AND FIND SAME NUMBER ON LEFT SIDE OF SHEET WITH MATCHING WIRE NUMBER(S).

406475-530-5  
J0913

Figure FO-31. Mast Mounted Sight (MMS) System Wiring Diagram OH-58D(R) (Sheet 5 of 5)

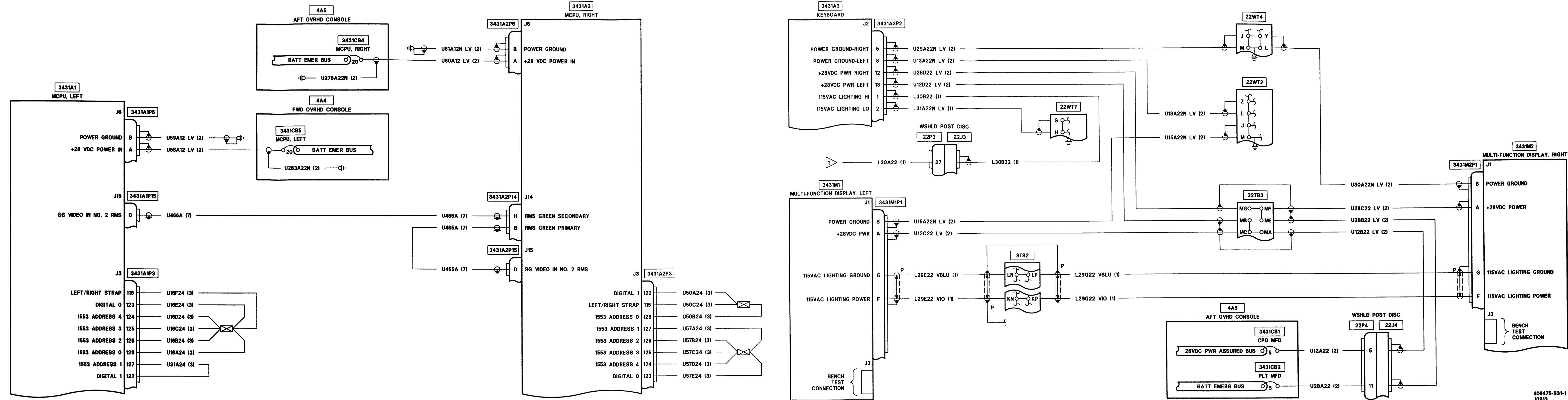


Figure FO-32. Control Display System (CDS) Wiring Diagram OH-58D(R) (Sheet 1 of 10)

406475-531-1  
J0913



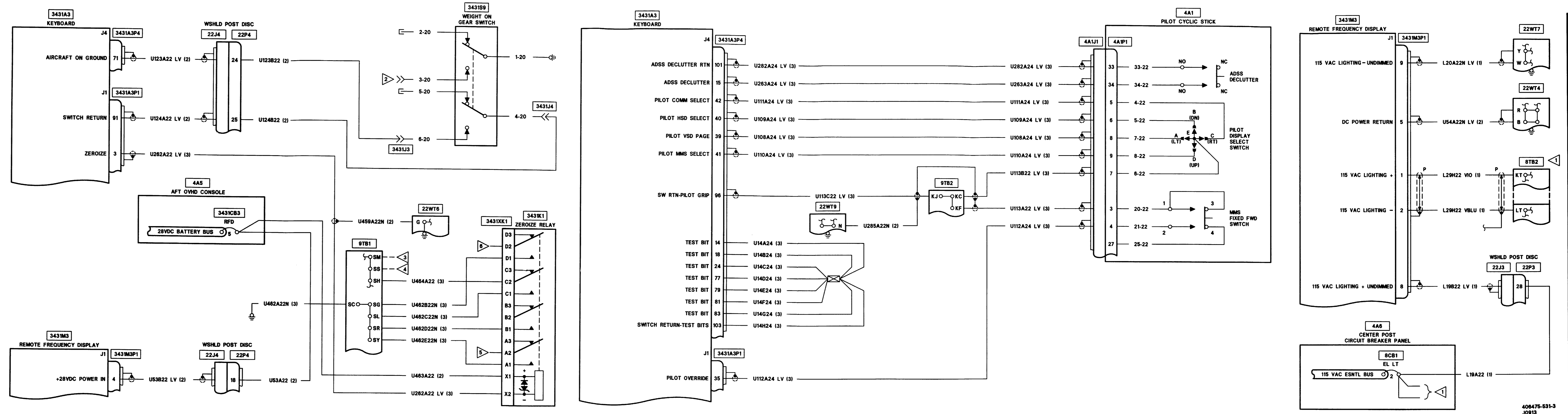


Figure FO-32. Control Display System (CDS) Wiring Diagram OH-58D(R) (Sheet 3 of 10)

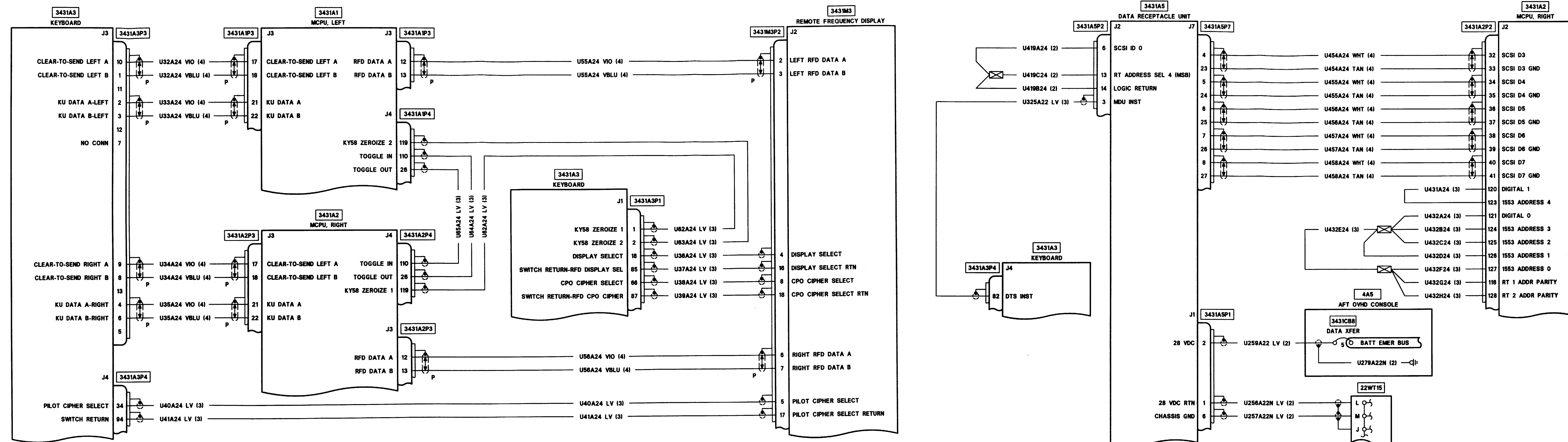


Figure FO-32. Control Display System (CDS) Wiring Diagram OH-58D(R) (Sheet 4 of 10)

406475-531-4  
J0913

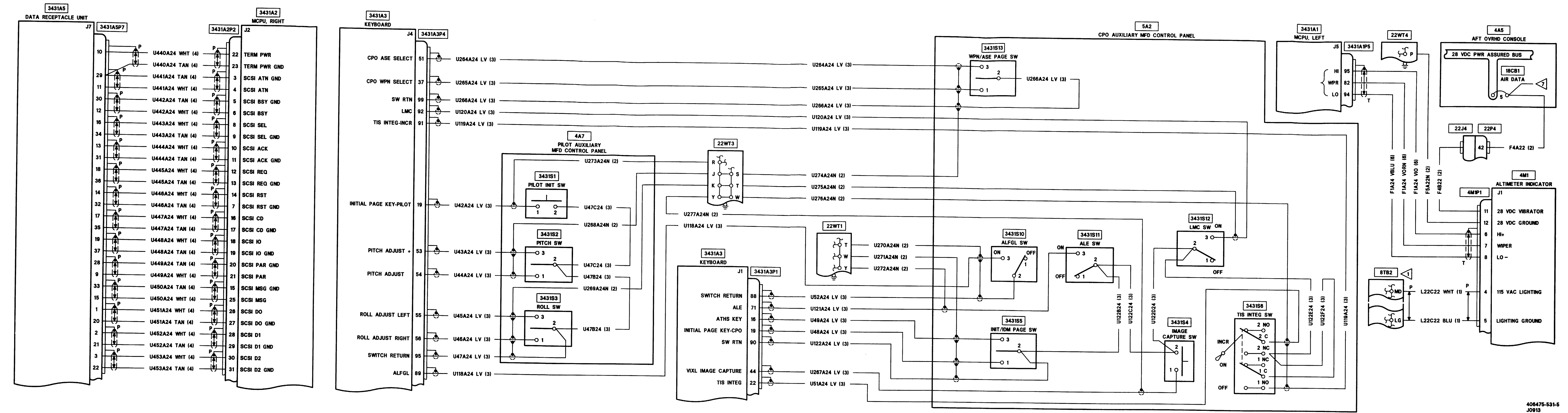
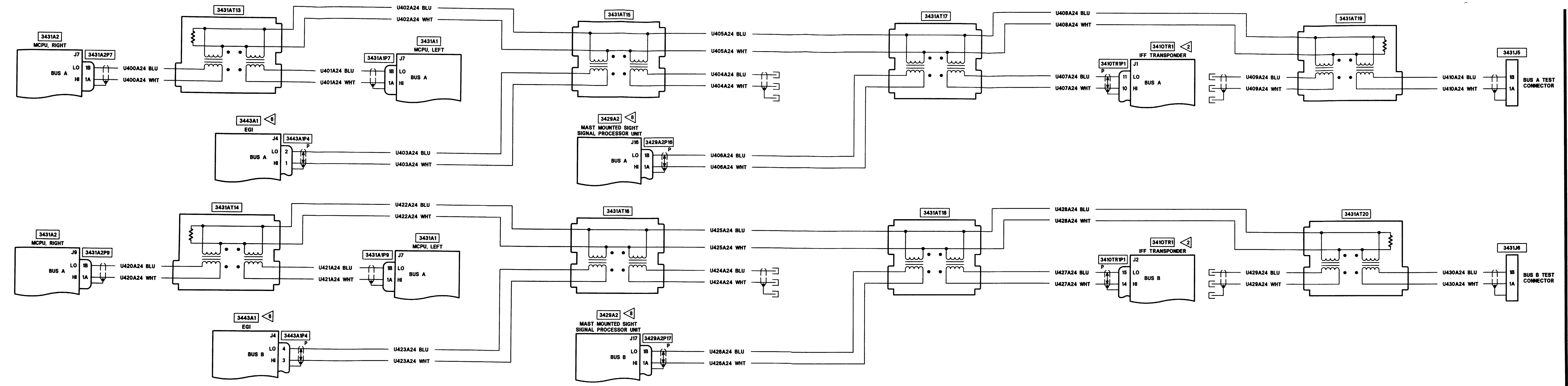


Figure FO-32. Control Display System (CDS) Wiring Diagram OH-58D(R) (Sheet 5 of 10)

408475-531-5 J0913





406475-531-6  
J0913

Figure FO-32. Control Display System (CDS) Wiring Diagram OH-58D(R) (Sheet 6 of 10)

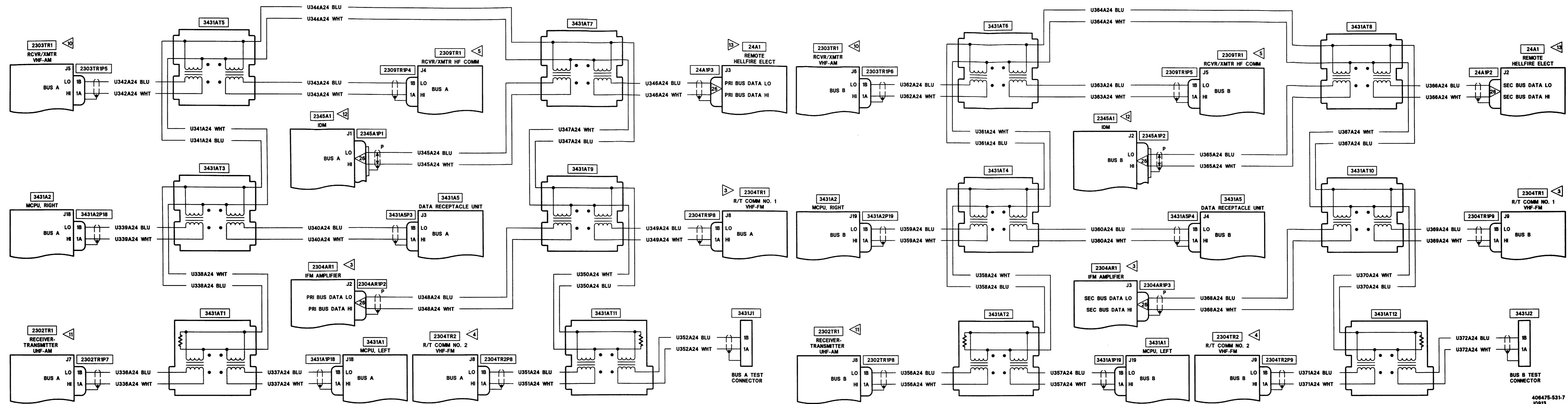


Figure FO-32. Control Display System (CDS) Wiring Diagram OH-58D(R) (Sheet 7 of 10)

406475-531-7  
J0913

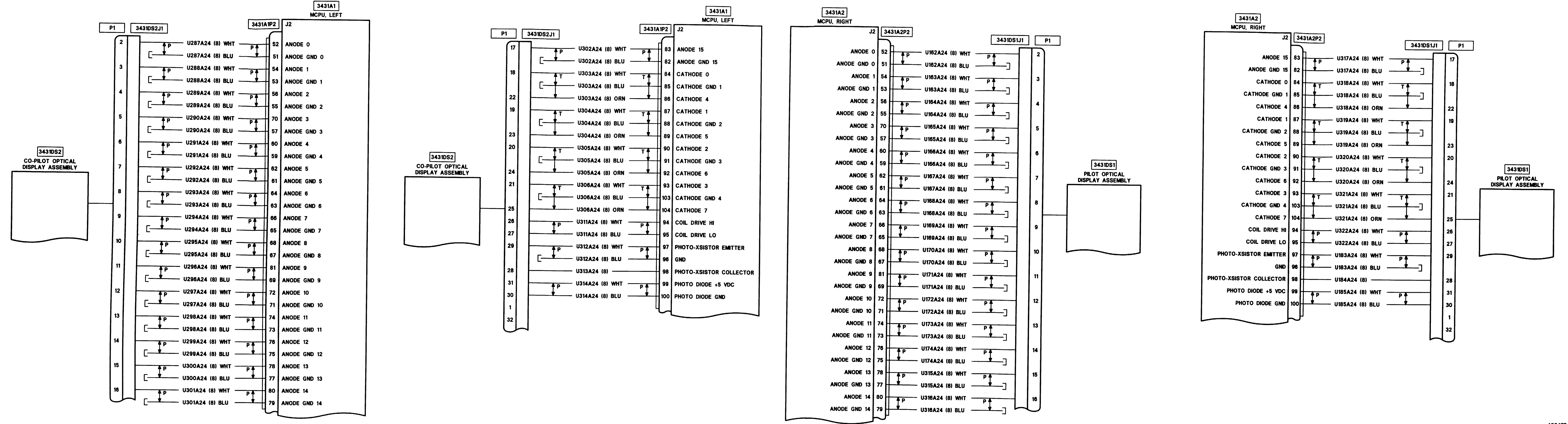
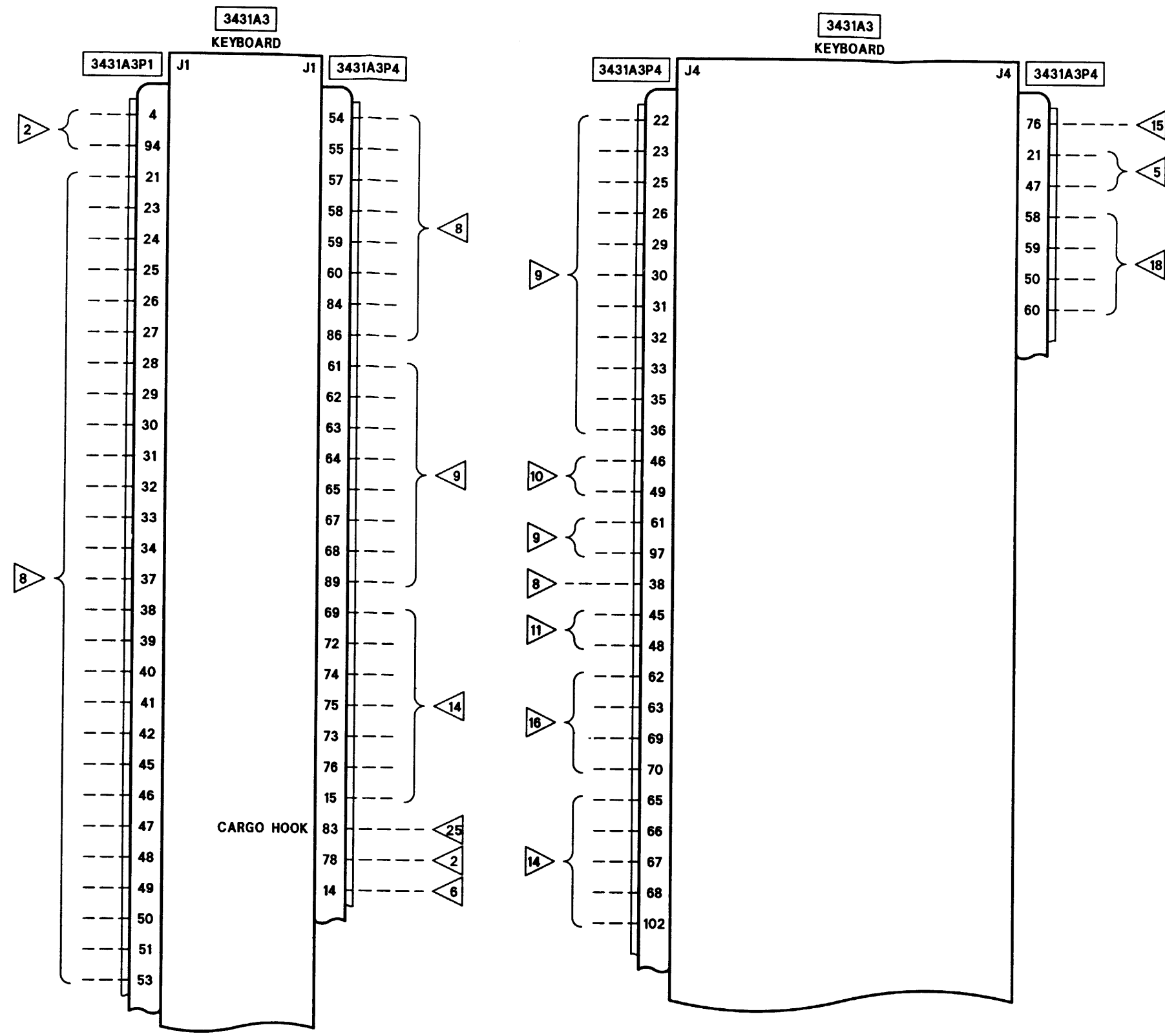


Figure FO-32. Control Display System (CDS) Wiring Diagram OH-58D(R) (Sheet 8 of 10)

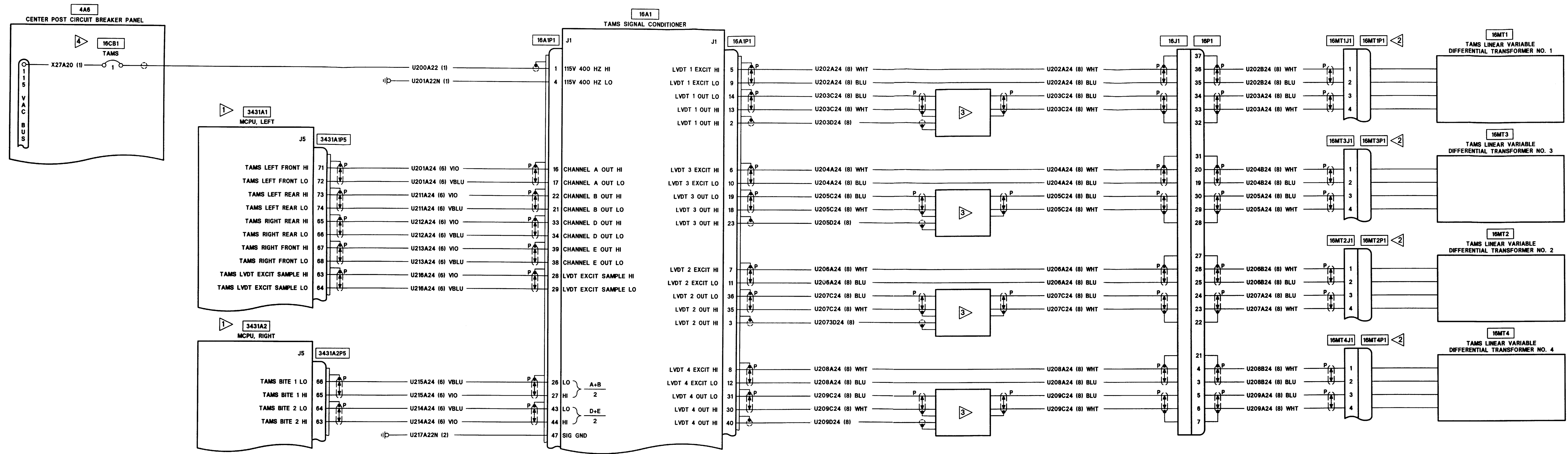




- NOTES
- 1 REFER TO LIGHTING WIRING DIAGRAM.
  - 2 REFER TO IFF WIRING DIAGRAM TM 11-1520-248-23.
  - 3 REFER TO NO. 1 VHF-FM COMM WIRING DIAGRAM TM 11-1520-248-23.
  - 4 REFER TO NO. 2 VHF-FM COMM WIRING DIAGRAM TM 11-1520-248-23.
  - 5 REFER TO HF WIRING DIAGRAM TM 11-1520-248-23.
  - 6 REFER TO EGI WIRING DIAGRAM TM 11-1520-248-23.
  - 7 REFER TO AIR DATA SYSTEM WIRING DIAGRAM.
  - 8 REFER TO MAST MOUNTED SIGHT (MMS) SYSTEM WIRING DIAGRAM.
  - 9 REFER TO ICS WIRING DIAGRAM TM 11-1520-248-23.
  - 10 REFER TO VHF-AM COMM WIRING DIAGRAM TM 11-1520-248-23.
  - 11 REFER TO UHF-AM COMM WIRING DIAGRAM TM 11-1520-248-23.
  - 12 REFER TO IDM WIRING DIAGRAM TM 11-1520-248-23.
  - 13 REFER TO HELLFIRE SYSTEM WIRING DIAGRAM.
  - 14 REFER TO POWERPLANT AND TRANSMISSION WIRING DIAGRAM.
  - 15 REFER TO SCAS, HYDRAULICS, AND STANDBY ATTITUDE GYRO SYSTEM WIRING DIAGRAM.
  - 16 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 17 REFER TO RADAR ALTIMETER WIRING DIAGRAM TM 11-1520-248-23.
  - 18 REFER TO GUNS AND ROCKETS SYSTEM WIRING DIAGRAM.
  - 19 REFER TO TRANSMISSION ATTITUDE MEASUREMENT SYSTEM WIRING DIAGRAM.
  - 20 REFER TO AC POWER SYSTEM WIRING DIAGRAM.

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J0913

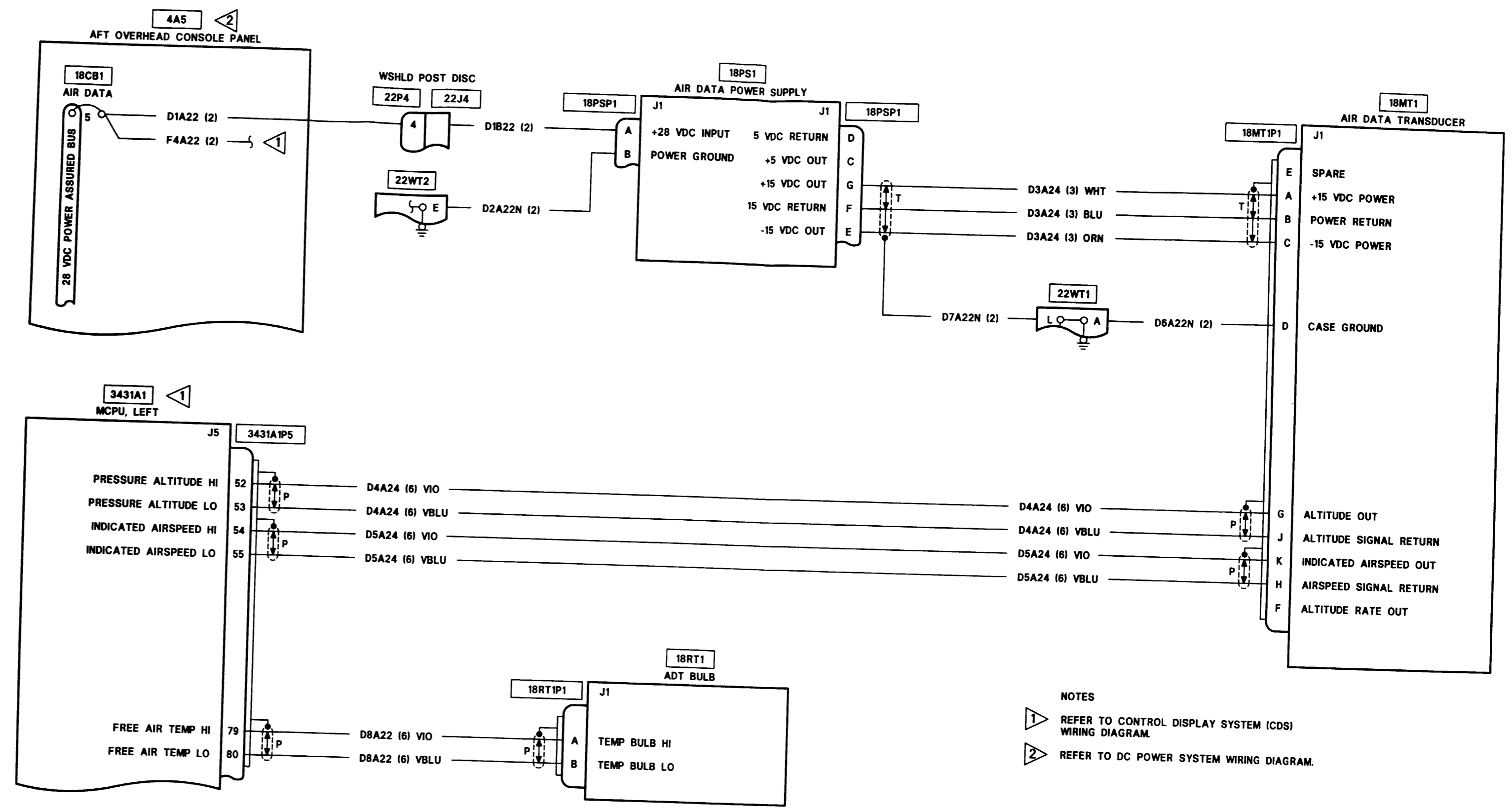
Figure FO-32. Control Display System (CDS) Wiring Diagram OH-58D(R) (Sheet 10 of 10)



- NOTES
- REFER TO CONTROL DISPLAY SYSTEM (CDS) WIRING DIAGRAM.
  - CABLES AND CONNECTOR ARE INCLUDED AS PART OF TRANSFORMER UNITS.
  - SINGLE CONDUCTOR SHIELDED CABLE IS ELECTRICALLY BUSSED WITH WHITE CONDUCTORS OF TWO CONDUCTOR SHIELDED CABLES.
  - REFER TO AC POWER SYSTEM WIRING DIAGRAM.

Figure FO-33. Transmission Attitude Measurement System (TAMS) Wiring Diagram OH-58D(R)

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JOB13



NOTES  
 1 REFER TO CONTROL DISPLAY SYSTEM (CDS) WIRING DIAGRAM.  
 2 REFER TO DC POWER SYSTEM WIRING DIAGRAM.

406475-534  
 J0913

Figure FO-34. Air Data System (ADS) Wiring Diagram OH-58D(R)

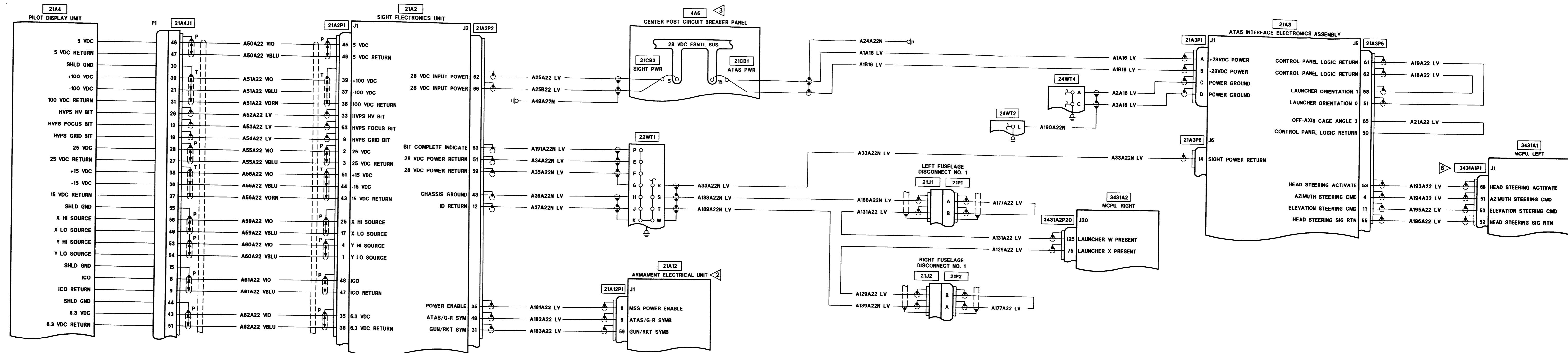


Figure FO-35. Air-to-Air Stinger (ATAS) Missile System Wiring Diagram OH-58D(R) (Sheet 1 of 6)

406475-535-1  
J0913



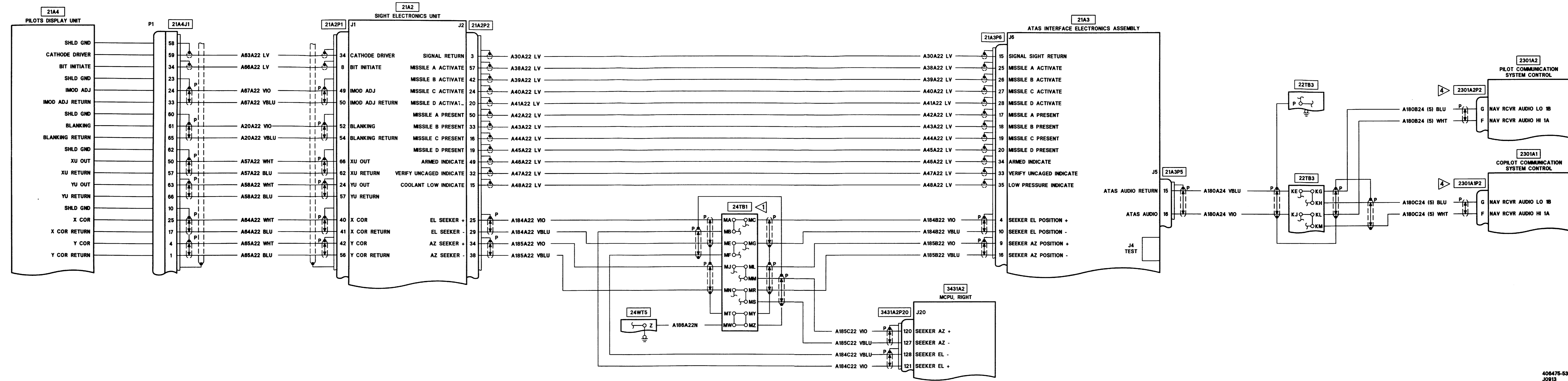


Figure FO-35. Air-to-Air Stinger (ATAS) Missile System Wiring Diagram OH-58D(R) (Sheet 2 of 6)

406475-535-2  
J0913

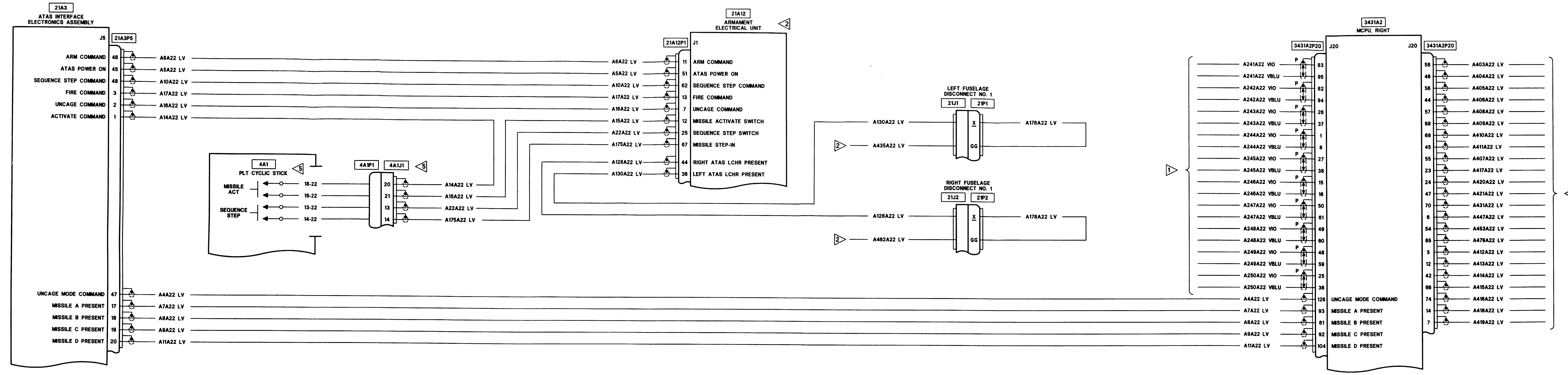
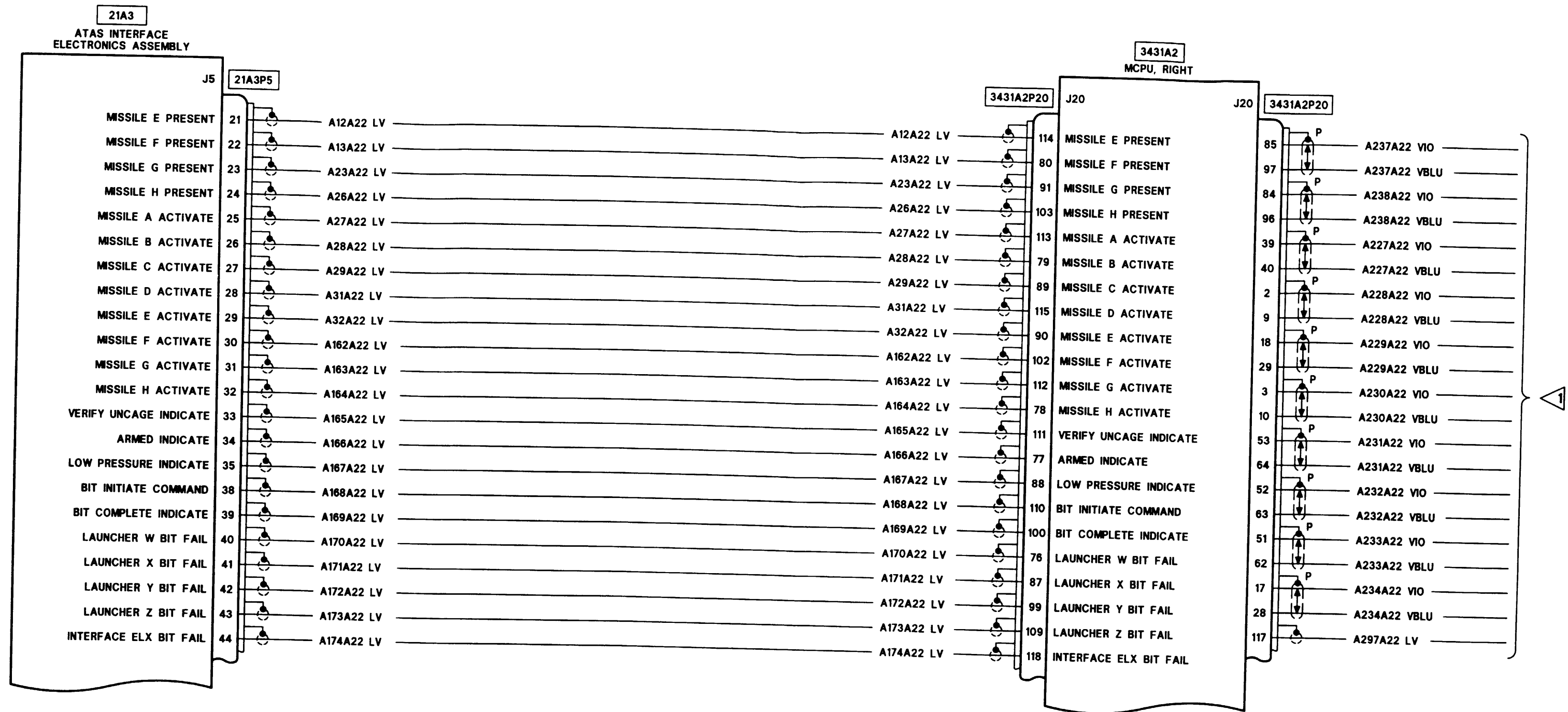


Figure FO-35. Air-to-Air Stinger (ATAS) Missile System Wiring Diagram OH-58D(R) (Sheet 3 of 6)

408475-535-3  
J0913



406475-535-4  
J0913

Figure FO-35. Air-to-Air Stinger (ATAS) Missile System Wiring Diagram OH-58D(R) (Sheet 4 of 6)

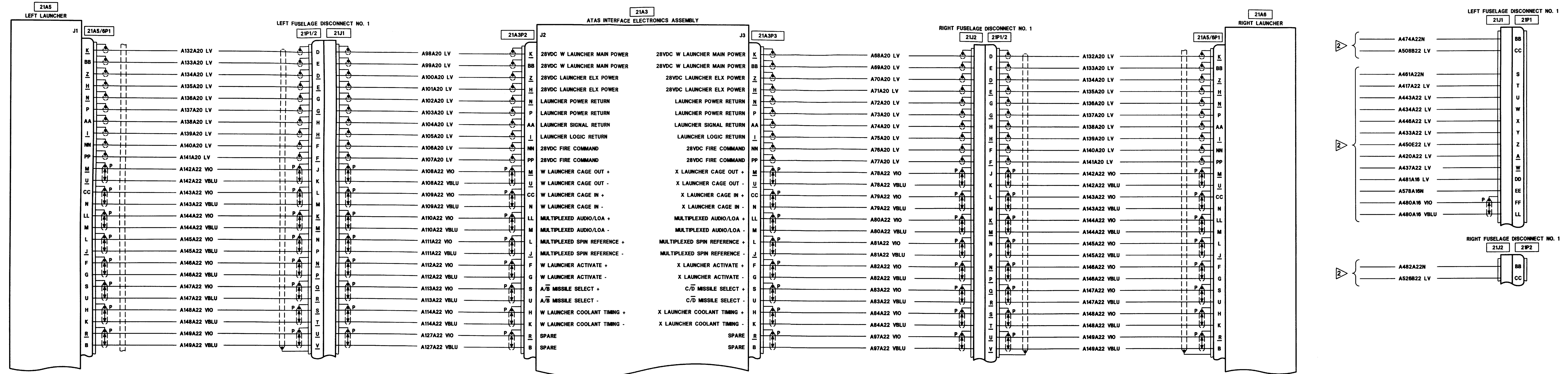
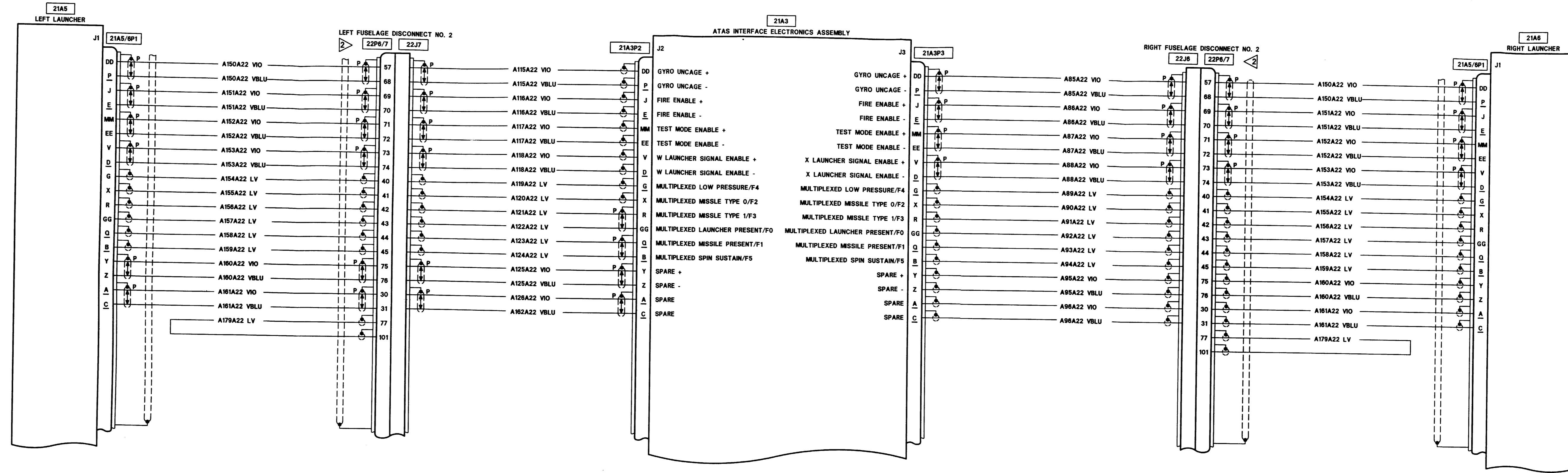


Figure FO-35. Air-to-Air Stinger (ATAS) Missile System Wiring Diagram OH-58D(R) (Sheet 5 of 6)

408475-535-5 J0913



- NOTES:
- 1 REFER TO HELLFIRE SYSTEM WIRING DIAGRAM.
  - 2 REFER TO GUNS AND ROCKETS WIRING DIAGRAM.
  - 3 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 4 REFER TO ICS SYSTEM WIRING DIAGRAM TM 11-1520-248-23.
  - 5 REFER TO SCAS, HYDRAULIC, AND STANDBY ATTITUDE GYRO SYSTEM WIRING DIAGRAM.
  - 6 REFER TO VIDEO TAPE RECORDER WIRING DIAGRAM TM 11-1520-248-23.

406475-535-6  
J0913

Figure FO-35. Air-to-Air Stinger (ATAS) Missile System Wiring Diagram OH-58D(R) (Sheet 6 of 6)

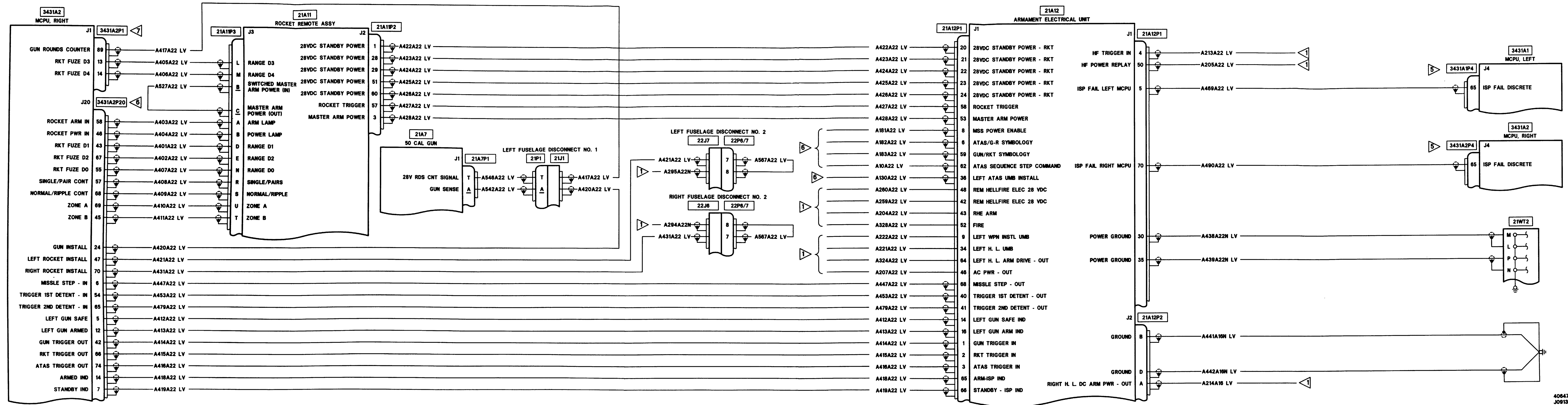
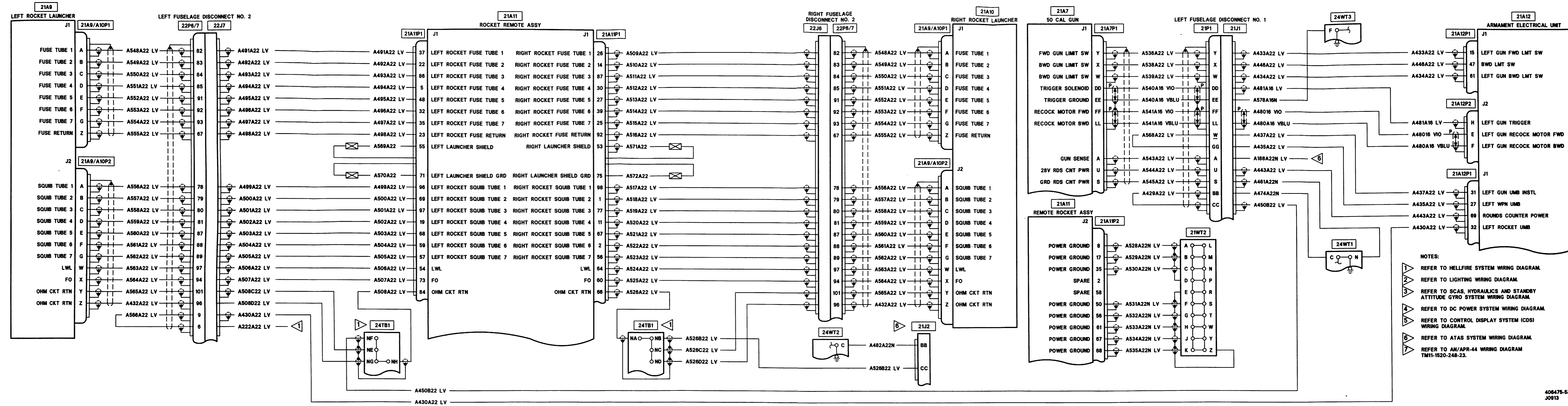


Figure FO-36. Guns and Rockets System Wiring Diagram OH-58D(R) (Sheet 1 of 4)









- NOTES:
- 1 REFER TO HELLFIRE SYSTEM WIRING DIAGRAM.
  - 2 REFER TO LIGHTING WIRING DIAGRAM.
  - 3 REFER TO SCAS, HYDRAULICS AND STANDBY ATTITUDE GYRO SYSTEM WIRING DIAGRAM.
  - 4 REFER TO DC POWER SYSTEM WIRING DIAGRAM.
  - 5 REFER TO CONTROL DISPLAY SYSTEM (CDS) WIRING DIAGRAM.
  - 6 REFER TO ATAS SYSTEM WIRING DIAGRAM.
  - 7 REFER TO AN/APR-44 WIRING DIAGRAM TM11-1520-248-23.

Figure FO-36. Guns and Rockets System Wiring Diagram OH-58D(R) (Sheet 4 of 4)

406475-536-4  
J0913

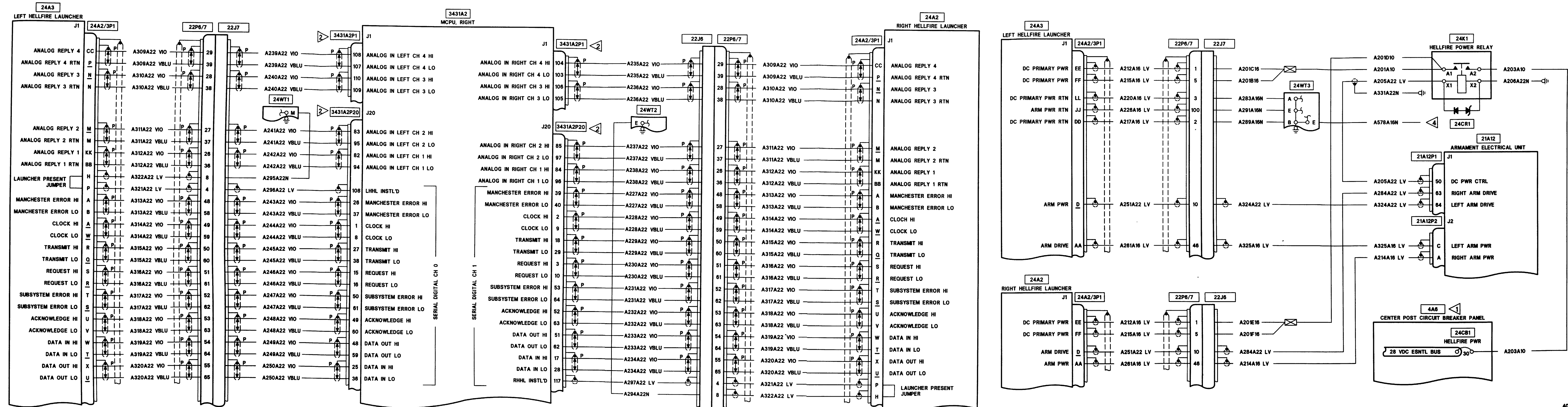
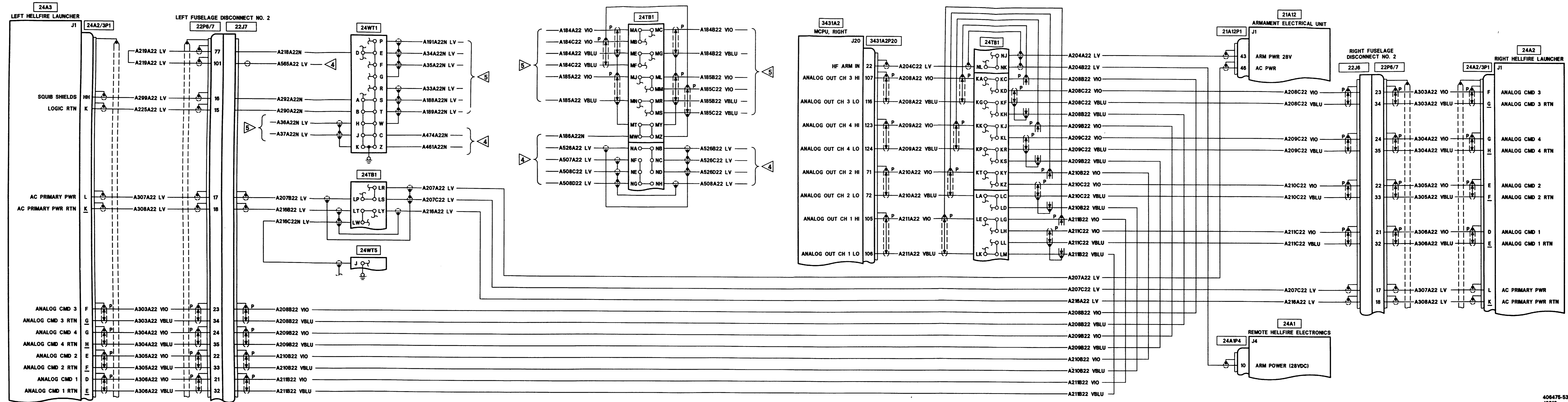


Figure FO-37. HELLFIRE Missile System (HMS) Wiring Diagram OH-58D(R) (Sheet 1 of 3)

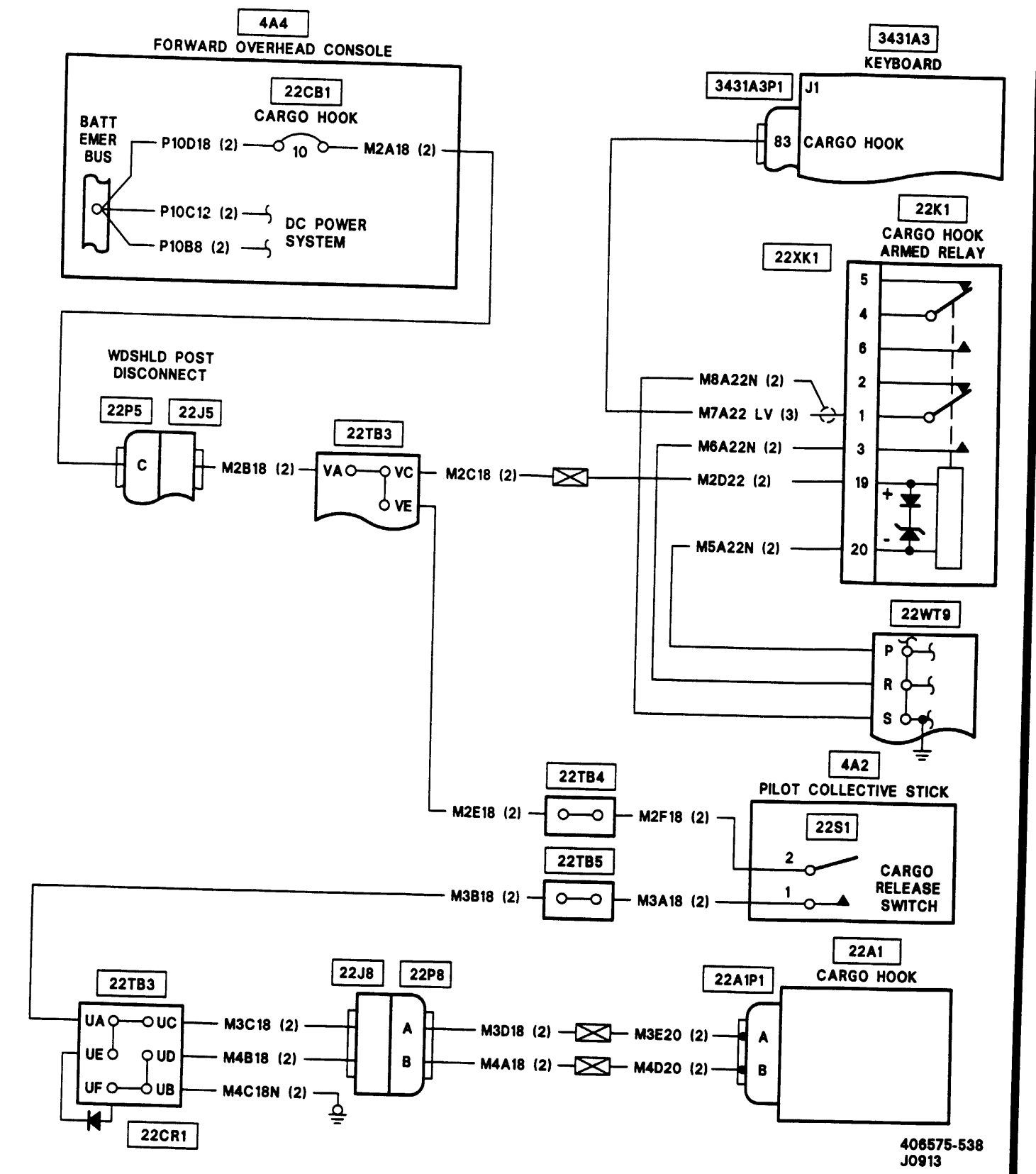
406475-537-1  
J0913



408475-537-2  
JOB19

Figure FO-37. HELLFIRE Missile System (HMS) Wiring Diagram OH-58D(R) (Sheet 2 of 3)



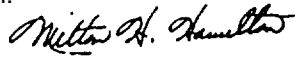


406575-538  
J0913

Figure FO-38. Cargo Hook System Wiring Diagram OH-58D(R)

By Order of the Secretary of the Army:

Official:



MILTON H. HAMILTON  
*Administrative Assistant to the  
Secretary of the Army*  
01128

GORDON R. SULLIVAN  
*General, United States Army  
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TM 55-1520-248-23-9

PUBLICATION DATE

31 March 1992

PUBLICATION TITLE

Army Model OH-58D Helicopter

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PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
6	2-1 a		
B1		4-3	
125	line 20		

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

In line 6 of paragraph 2-1a the manual states the engine has 6 cylinders. The engine on my set only has 4 cylinders. Change the manual to show 4 cylinders.

Callout 16 on figure 4-3 is pointing at a bolt. In key to figure 4-3, item 16 is called a shim. Please correct one or the other.

I ordered a gasket, item 19 on figure B-16 by NSN 2 910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN

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# The Metric System and Equivalents

## Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

## Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 dekagram = 10 grams = .35 ounce  
 1 hectogram = 10 dekagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

## Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.81 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

## Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

## Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

## Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

## Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
----	------------------------	----------------------------	---------------------	----

