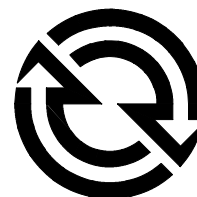


Wiring Diagrams

SPECTRUM®

DETROIT DIESEL



Generator Sets

Models:

20-200DSEJ

20-100DSJ

Controllers:

Digital

Microprocessor-Plus

Microprocessor

Basic

Manual

Engine Gauge Box for Paralleling Switchgear

ISO 9001

INTERNATIONALLY REGISTERED

SPECTRUM®

This manual provides wiring diagrams for the 20-200DSEJ and 20-100DSJ John Deere engine-powered generator sets equipped with one of the following controllers:

- Digital
- Microprocessor-Plus
- Microprocessor
- Basic
- Manual
- Engine Gauge Box for Paralleling Switchgear

At the time of print this manual applied to the model numbers and specification (spec) numbers shown in the Wiring Diagram Cross-Reference chart. On occasion this manual may apply to specs not listed in the Wiring Diagram Cross-Reference chart.

Information in this publication represents data available at the time of print. The manufacturer of Spectrum® products reserves the right to change this publication and the products represented without notice and without any obligation or liability whatsoever.

xin:001:002

Service Assistance

Service Information

Please contact a local authorized distributor/dealer for sales, service, or other information about Spectrum products.

To locate a local authorized distributor/dealer inside the U.S.A. and Canada

- Look on the product or the information included with the product
- Consult the Yellow Pages under the heading Generators—Electric
- Call (920) 459-1877

To locate a local authorized distributor/dealer outside the U.S.A. and Canada

- Look on the product or the information included with the product
- Consult the telephone directory under the heading Generators—Electric
- Call the nearest regional office

Africa, Europe, Middle East

London Regional Office
Langley, Slough, England
Phone: (44) 1753-580-771
Fax: (44) 1753-580-036

Australia

Australia Regional Office
Queensland, Australia
Phone: (617) 3893-0061
Fax: (617) 3893-0072

China

China Regional Office
Shanghai, People's Republic of China
Phone: (86) 21-6482 1252
Fax: (86) 21-6482 1255

India, Bangladesh, Sri Lanka

India Regional Office
Bangalore, India
Phone: (91) 80-2284270
(91) 80-2284279
Fax: (91) 80-2284286

Japan

Japan Regional Office
Tokyo, Japan
Phone: (813) 3440-4515
Fax: (813) 3440-2727

Latin America

Latin America Regional Office
Lakeland, Florida, U.S.A.
Phone: (941) 619-7568
Fax: (941) 701-7131

South East Asia

Singapore Regional Office
Singapore, Republic of Singapore
Phone: (65) 264-6422
Fax: (65) 264-6455

Product Information

Product identification numbers determine service parts. Record the product identification numbers in the spaces below immediately after unpacking the products so that the numbers are readily available for future reference. Record field-installed kit numbers after installing the kits.

Generator Set Identification Numbers

Record the product identification numbers from the generator set nameplate(s).

Model Number _____
Specification Number _____
Serial Number _____

Accessory Number	Accessory Description
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
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_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Engine Identification

Record the product identification information from the engine nameplate.

Manufacturer _____
Model Number _____
Serial Number _____

Use the Wiring Diagram Cross-Reference chart to determine the wiring diagram version number for a given model number and spec number. Then find that version number and the controller type on the Controller

Wiring Diagrams Reference chart to determine the wiring diagram numbers for your unit. Refer to the generator set operation manual for controller type identification if necessary.

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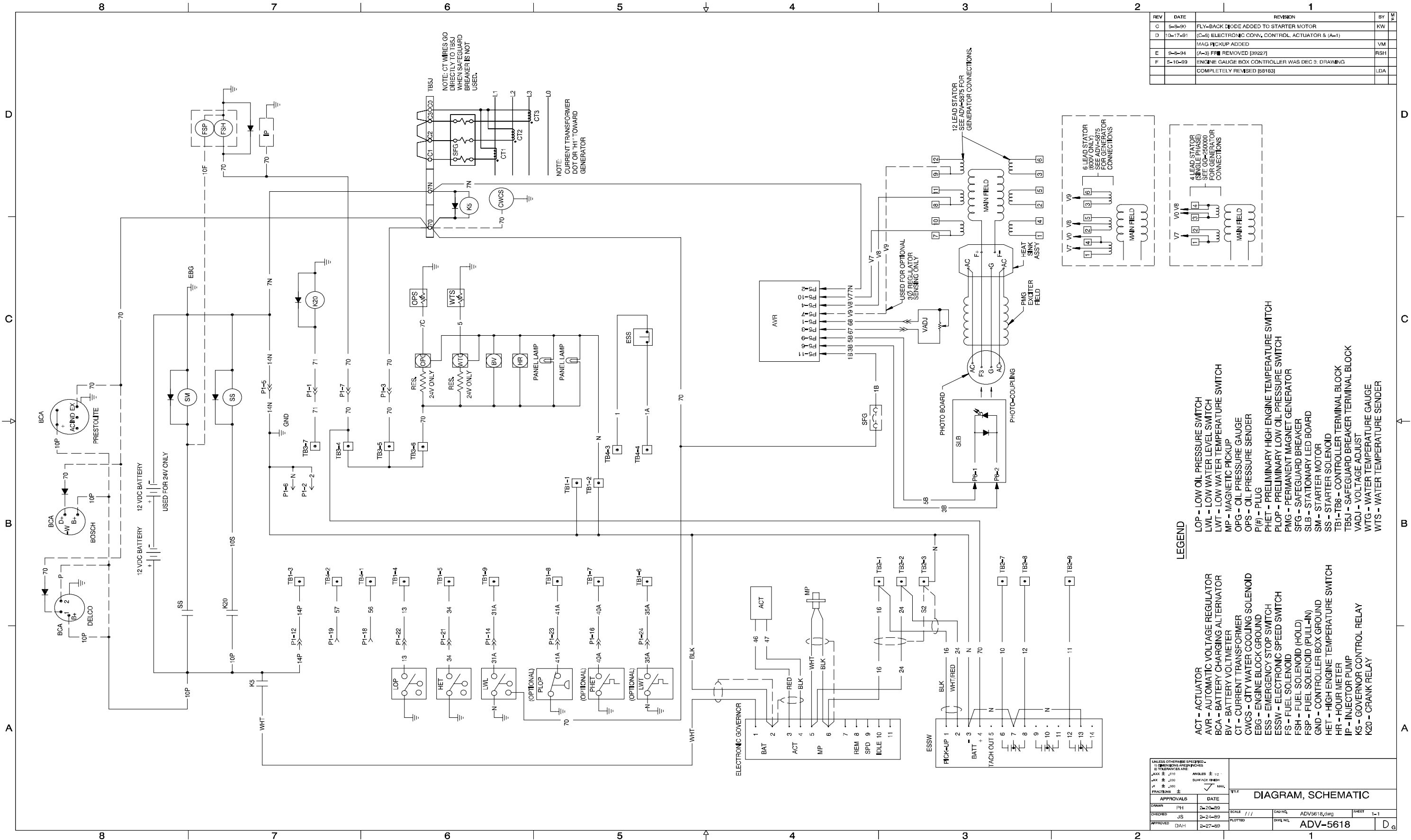
Wiring Diagram Cross-Reference

Generator Set Model No.	Hz	Generator Set Spec No.	Wiring Diagram Version No.
20DSEJ	50/60	PA-189039-	1
30DSEJ	50/60	PA-189146-	1
40DSEJ	50/60	PA-189241-	1
50DSEJ	50/60	PA-189341-	1
60DSEJ	50/60	PA-189441-	1
80DSEJ	50/60	PA-189554-	1
100DSEJ	50/60	PA-189663-	1
135DSEJ	50/60	PA-189742-	1
150DSEJ	50/60	PA-189861-	1
180DSEJ	50/60	PA-189976-	1
200DSEJ	50/60	PA-189981-	1
20DSJ	50/60	PA-189041-	1
30DSJ	50/60	PA-189148-	1
40DSJ	50/60	PA-189243-	1
50DSJ	50/60	PA-189343-	1
60DSJ	50/60	PA-189445-	1
80DSJ	50/60	PA-189556-	1
100DSJ	50/60	PA-189665-	1

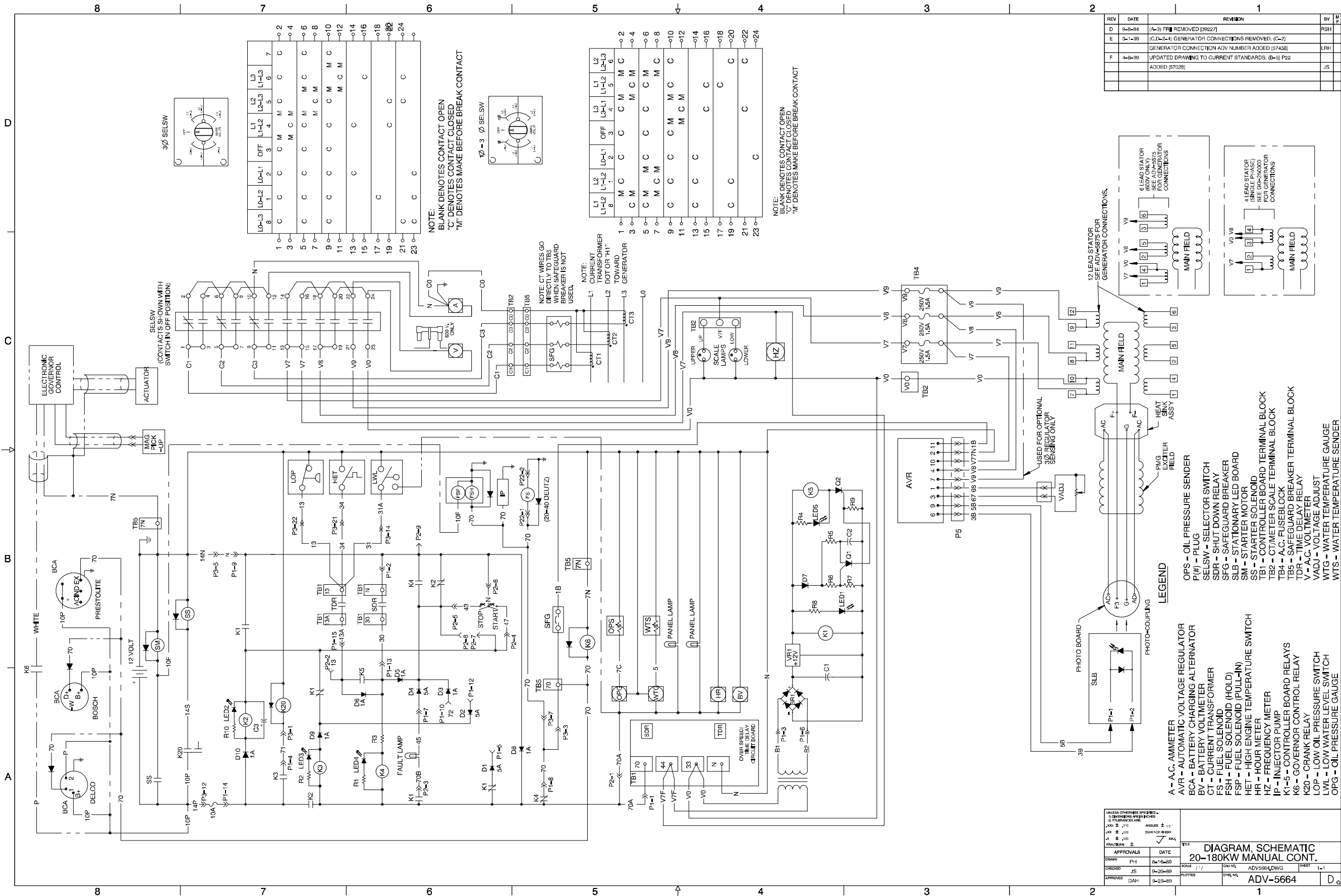
Controller Wiring Diagrams Reference

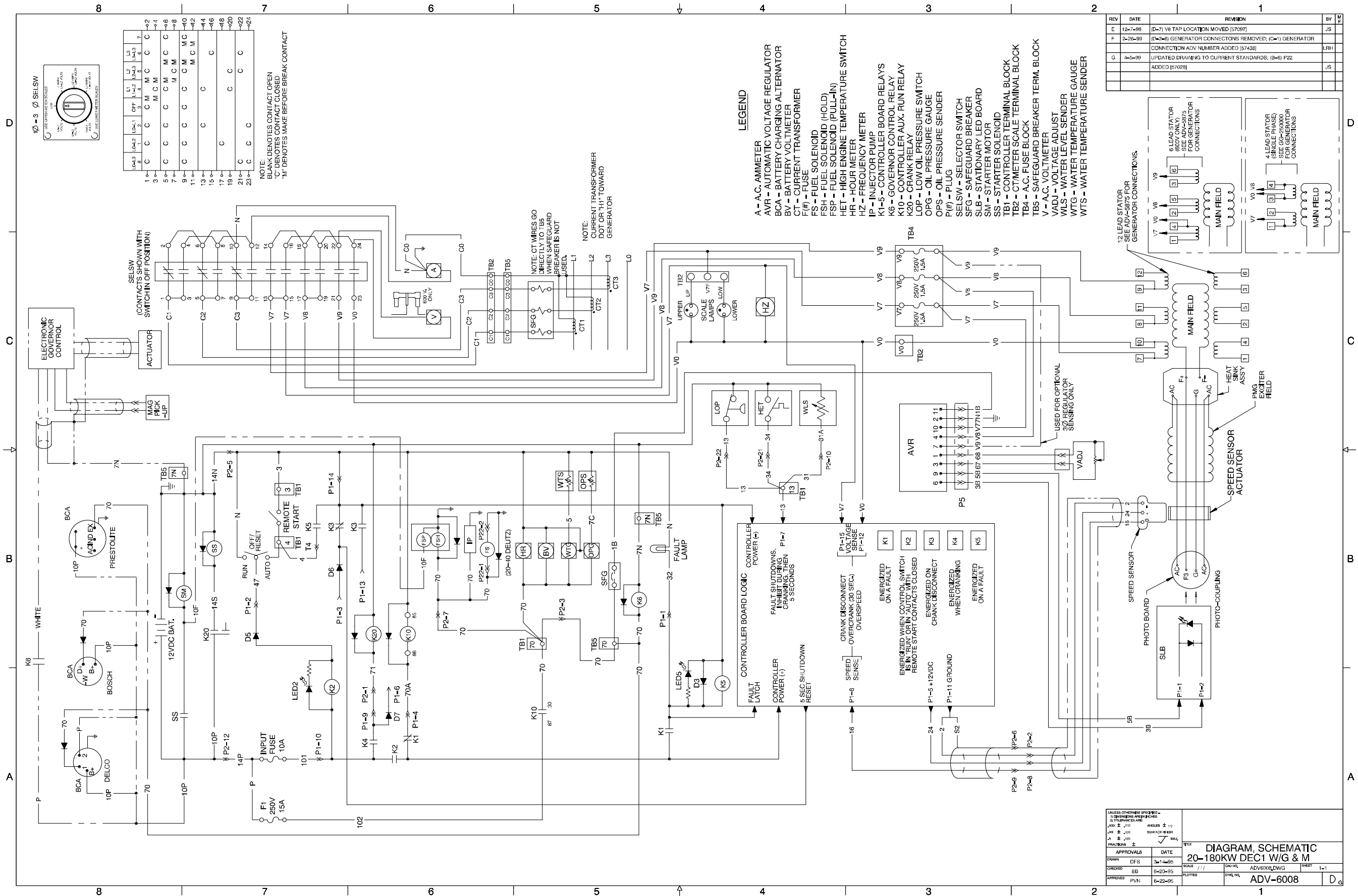
Controller Description	Version 1	P.
Digital Controller (12-Volt or 24-Volt Engine Electrical Systems)*		
Point-to-Point Wiring Diagram		
Sheet 1	347941A-J	15
Sheet 2	347941B-J	16
Schematic Diagram		
Sheet 1	ADV-6130A-J	6
Sheet 2	ADV-6130B-J	7
Accessory Connections		
Accessories	354246A-D	17
Remote Annunciator Kit	354246B-D	18
Microprocessor-Plus Controller and Microprocessor Controller (12-Volt or 24-Volt Engine Electrical Systems)*		
Point-to-Point Wiring Diagram		
Sheet 1	324735-G	9
Schematic Diagram		
Sheet 1	ADV-6002-E	3
Accessory Connections		
Accessories	328912A-F	10
Remote Annunciator Kit	328912B-F	11
Basic Controller (12-Volt Engine Electrical Systems only)*		
Point-to-Point Wiring Diagram		
Standard and Standard with Engine Gauges	347327-F	14
Expanded with Engine Gauges and AC Meters (12 Lead)	347058-J	13
Schematic Diagram		
Standard and Standard with Engine Gauges	ADV-6010-E	5
Expanded with Engine Gauges and AC Meters (12 Lead)	ADV-6008-G	4
Manual Controller (12-Volt Engine Electrical Systems only)*		
Point-to-Point Wiring Diagram		
Sheet 1	324150-H	8
Schematic Diagram		
Sheet 1	ADV-5664-F	2
Engine Gauge Box for Paralleling Switchgear (12-Volt Engine Electrical Systems only)*		
Point-to-Point Wiring Diagram		
Sheet 1	342425-E	12
Schematic Diagram		
Sheet 1	ADV-5618-F	1

* Use generator set nameplate for engine electrical system voltage identification.



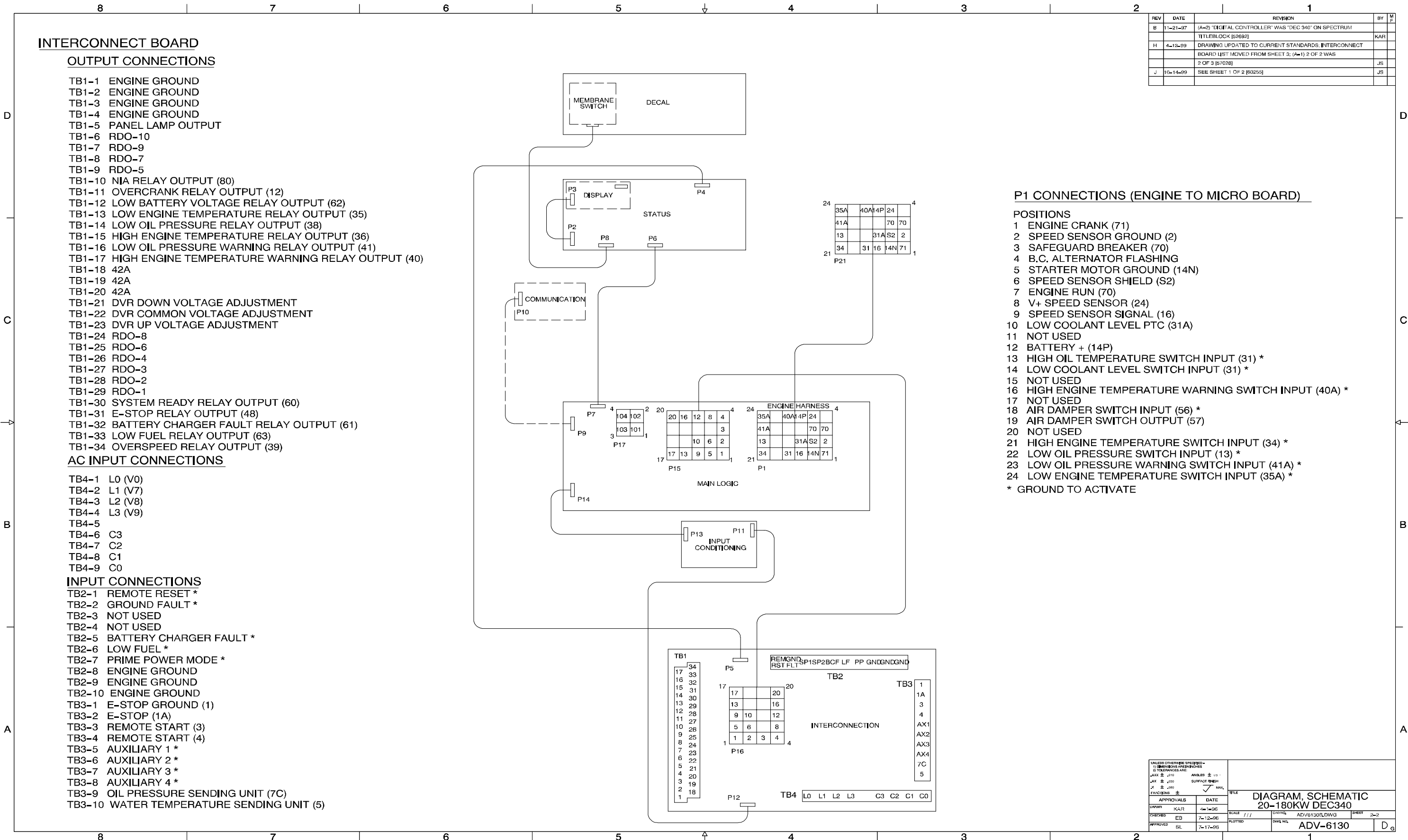
Engine Gauge Box for Paralleling Switchgear, Schematic Diagram, ADV-5618-F



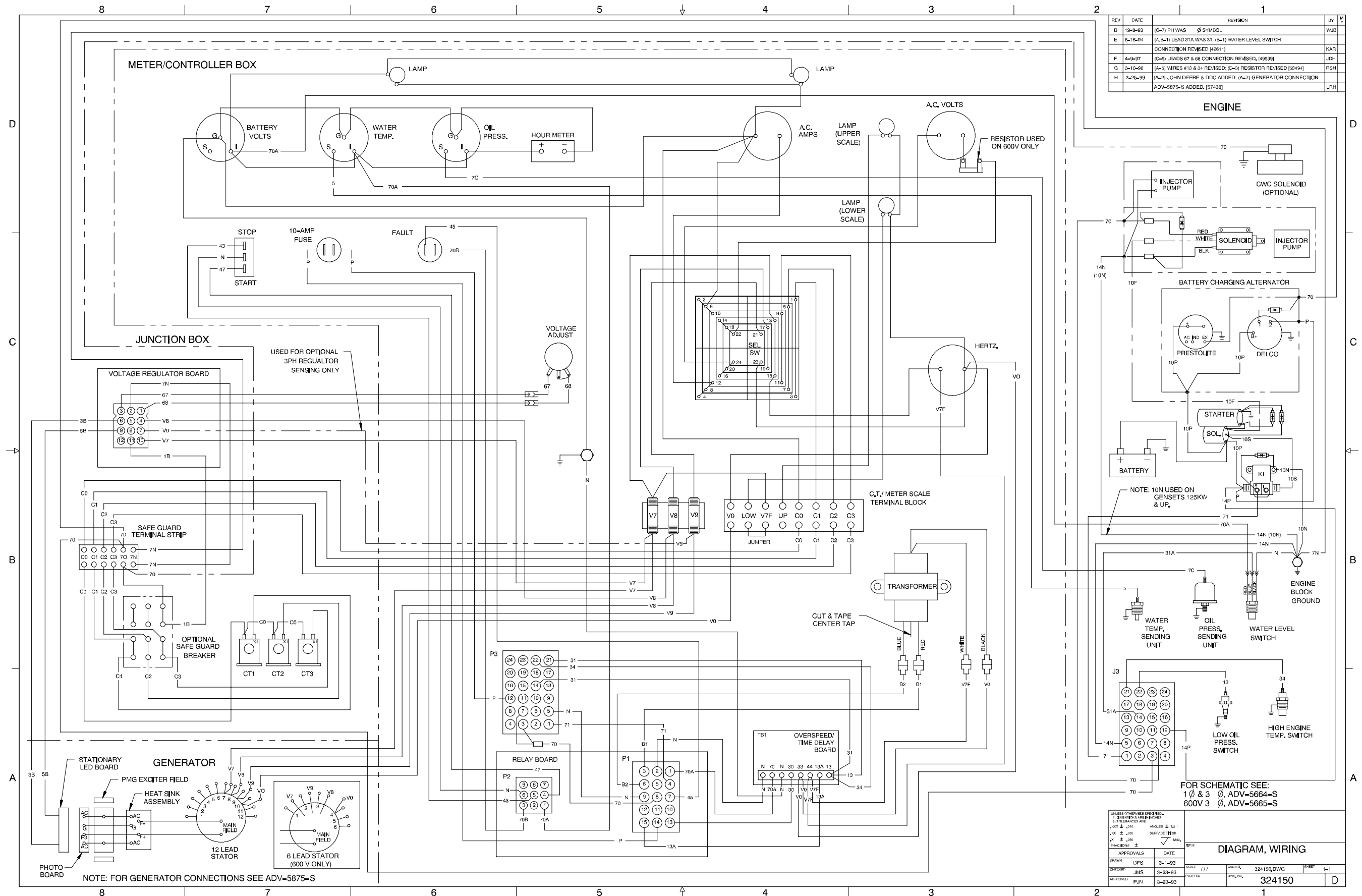


Basic Controller, Schematic Diagram, Expanded w/Engine Gauges and AC Meters (12-Lead), ADV-6008-G

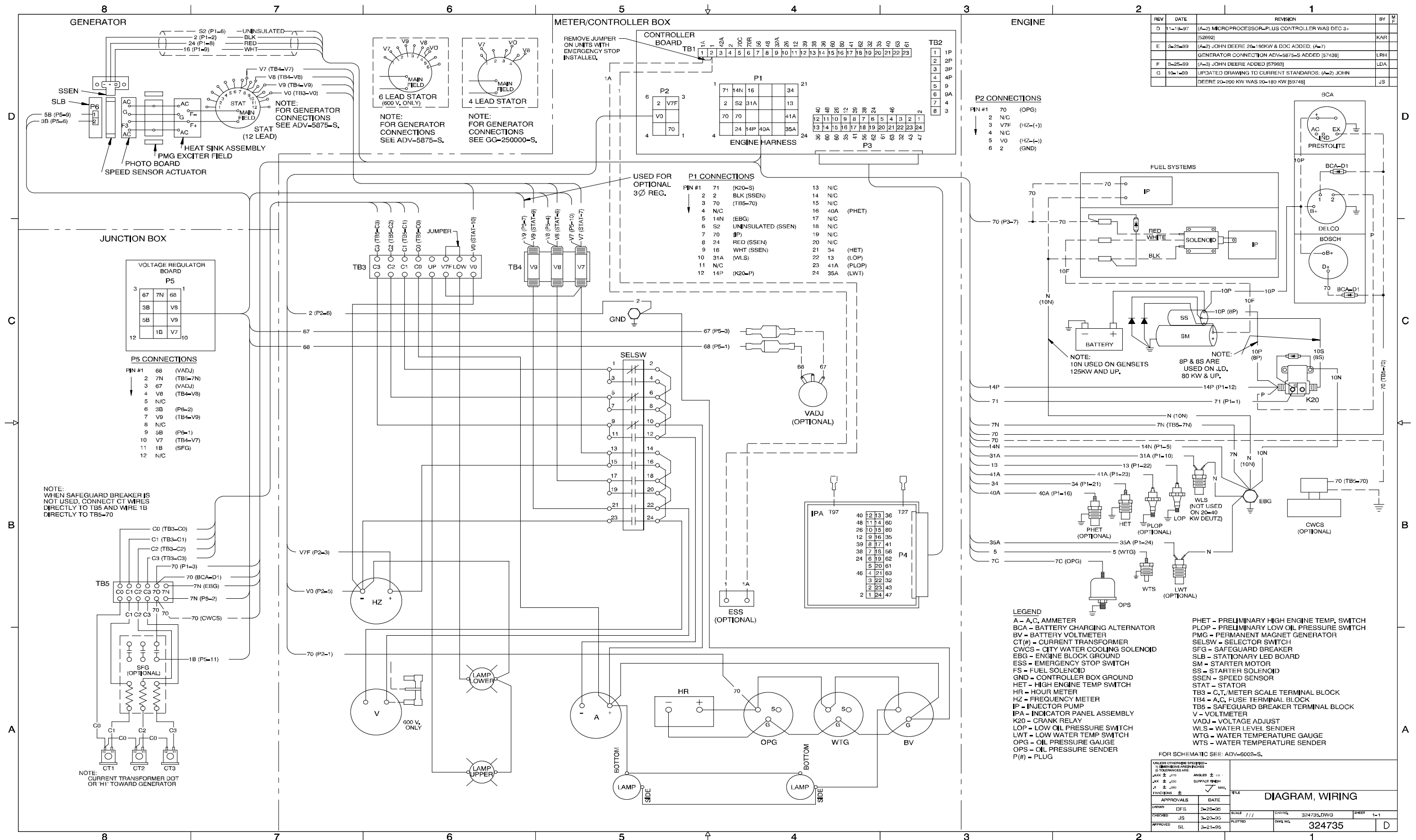




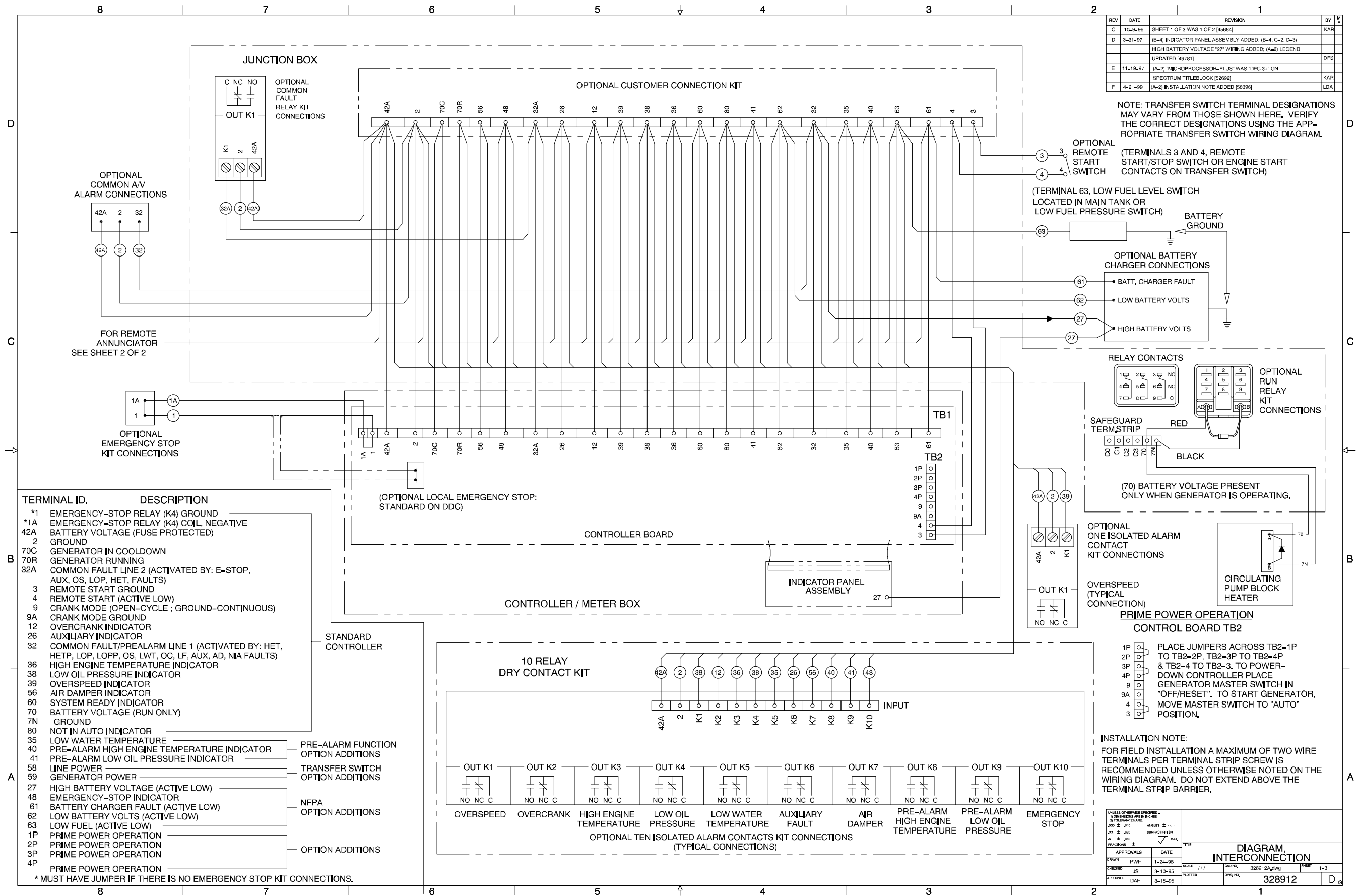
Digital Controller, Schematic Diagram, Sheet 2, ADV-6130B-J

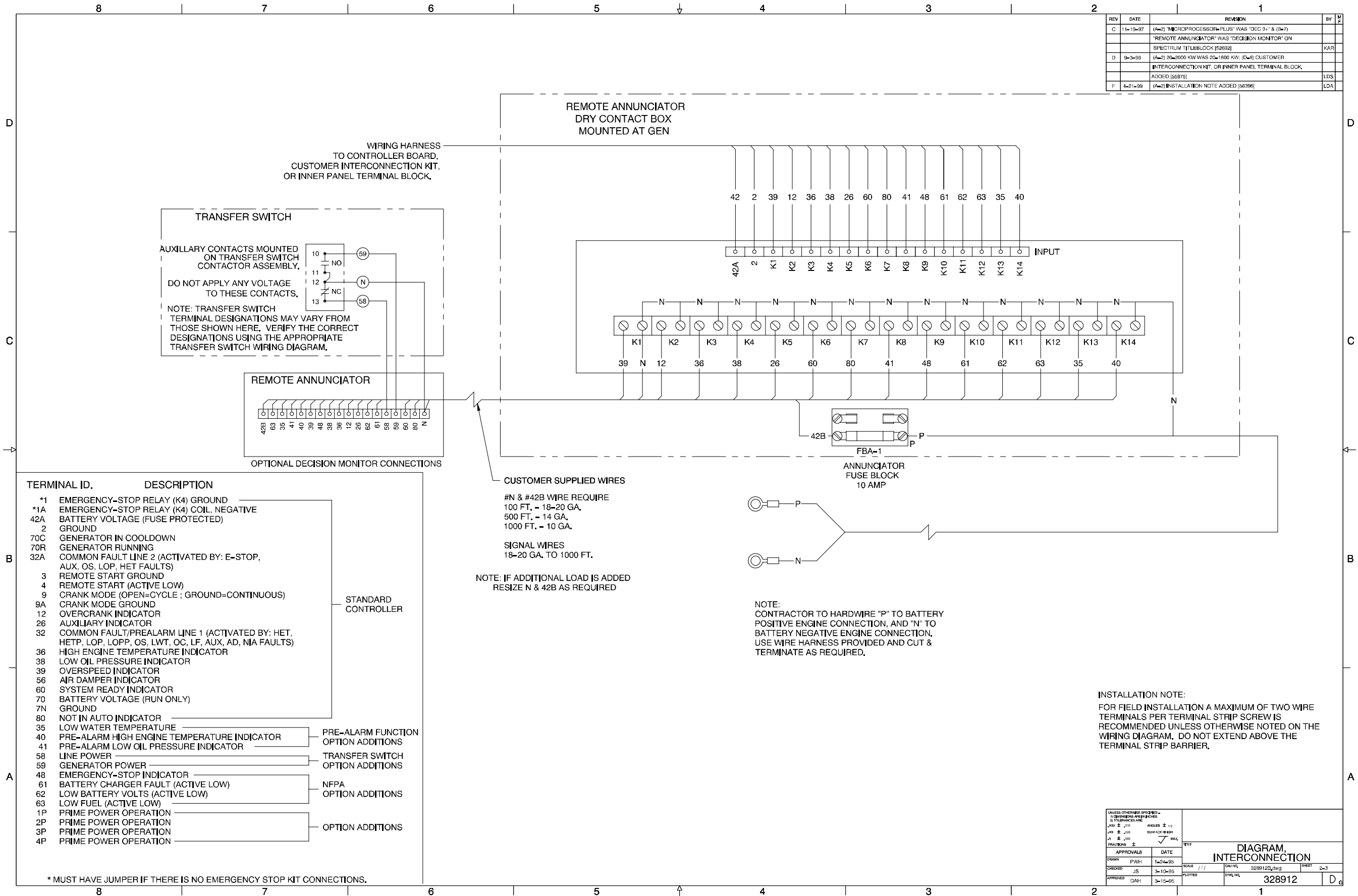


Manual Controller, Point-to-Point Wiring Diagram, 324150-H

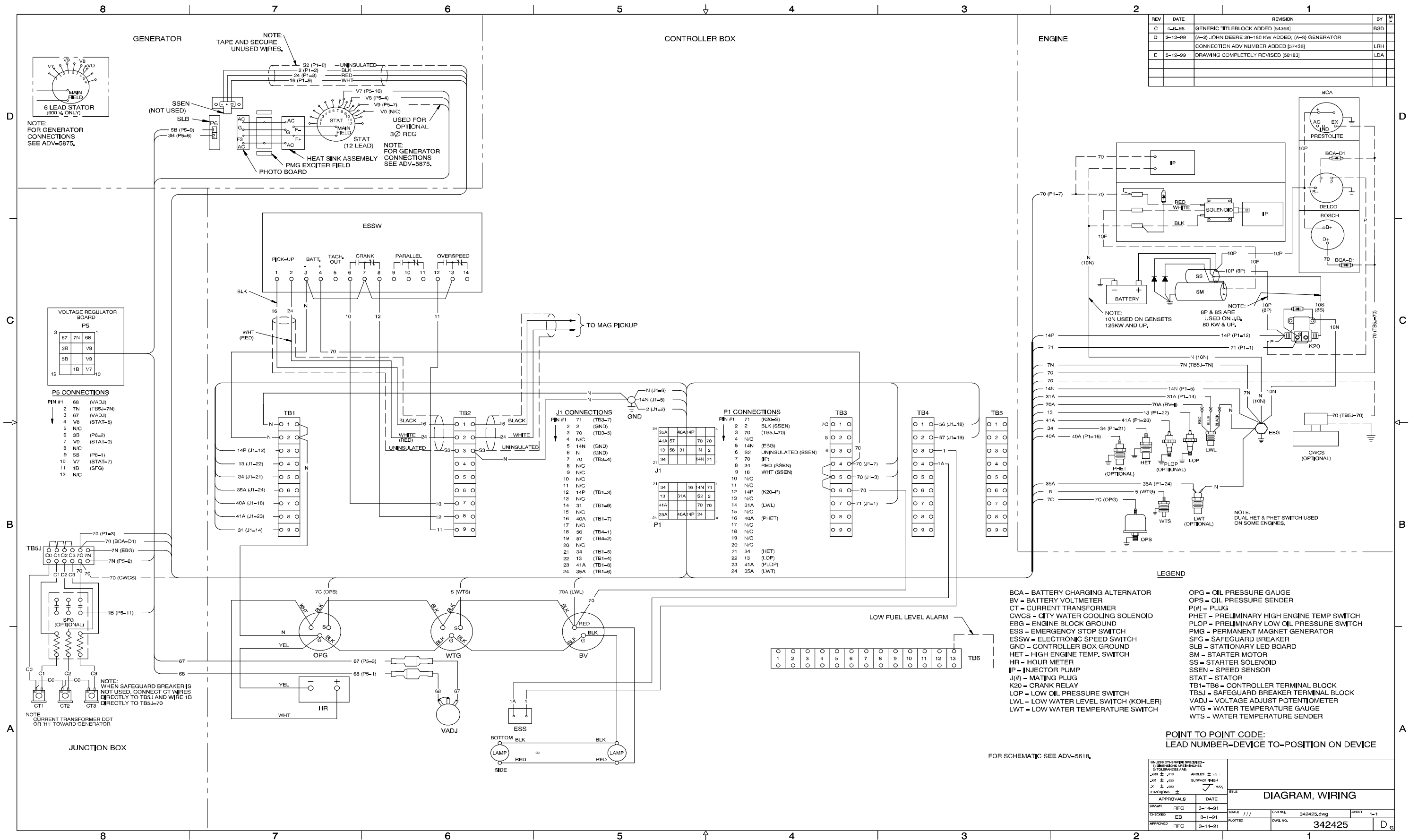


Microprocessor-Plus and Microprocessor Controllers, Point-to-Point Wiring Diagram, 324735-G





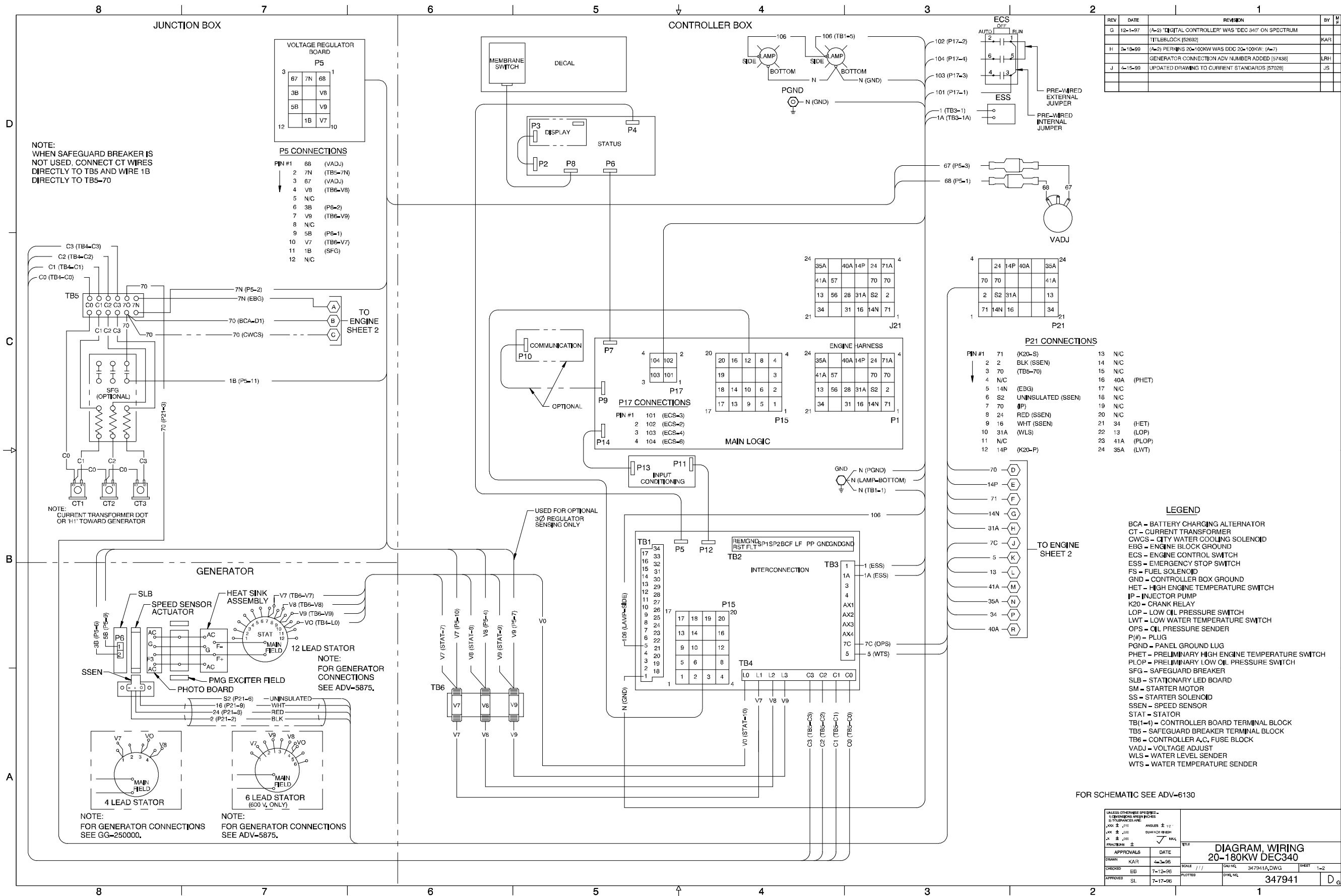
Microprocessor-Plus and Microprocessor Controllers, Accessory Connections, Remote Annunciator Kit, 328912B-F



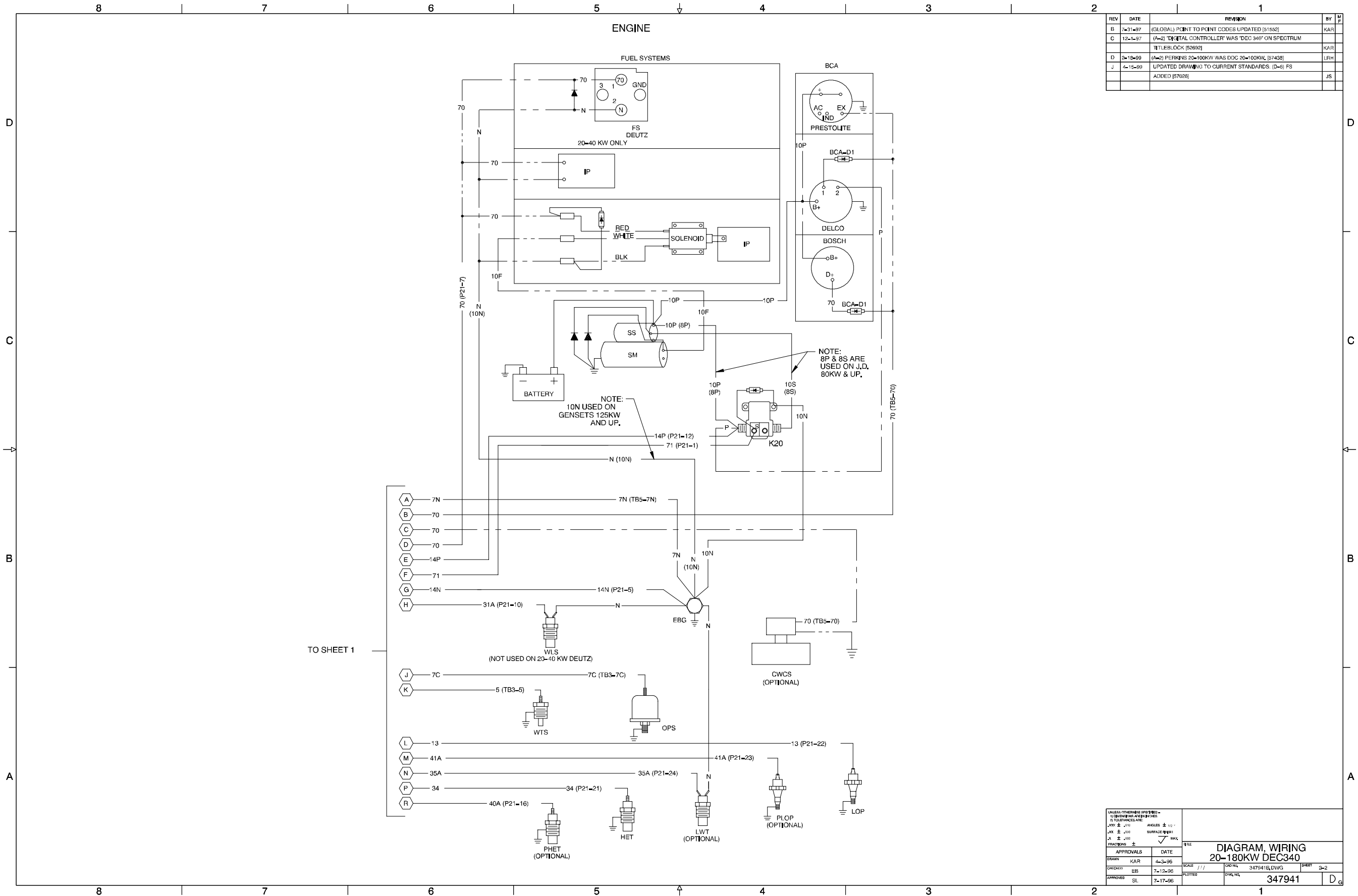
Engine Gauge Box for Paralleling Switchgear, Point-to-Point Wiring Diagram, 342425-E



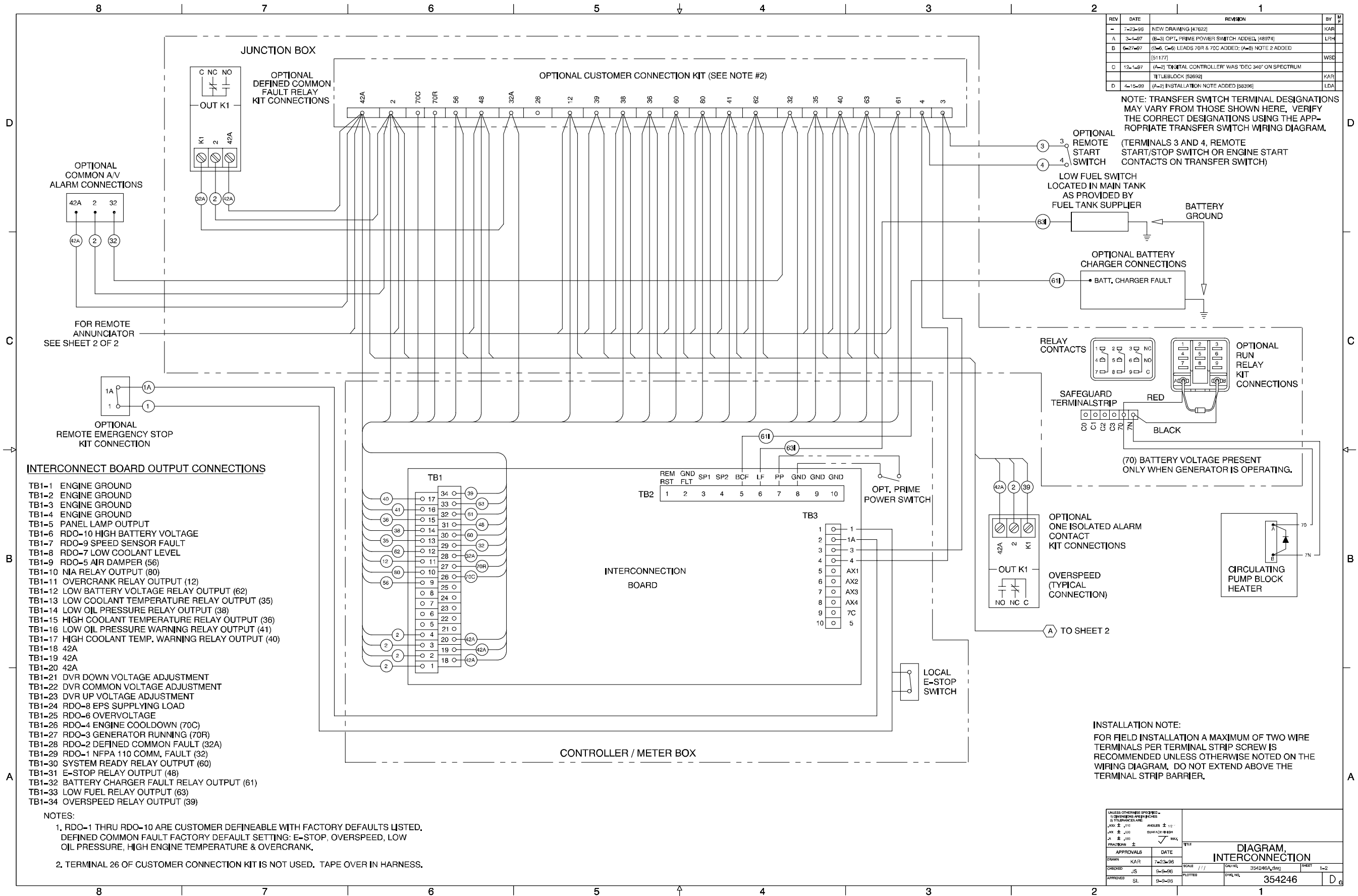




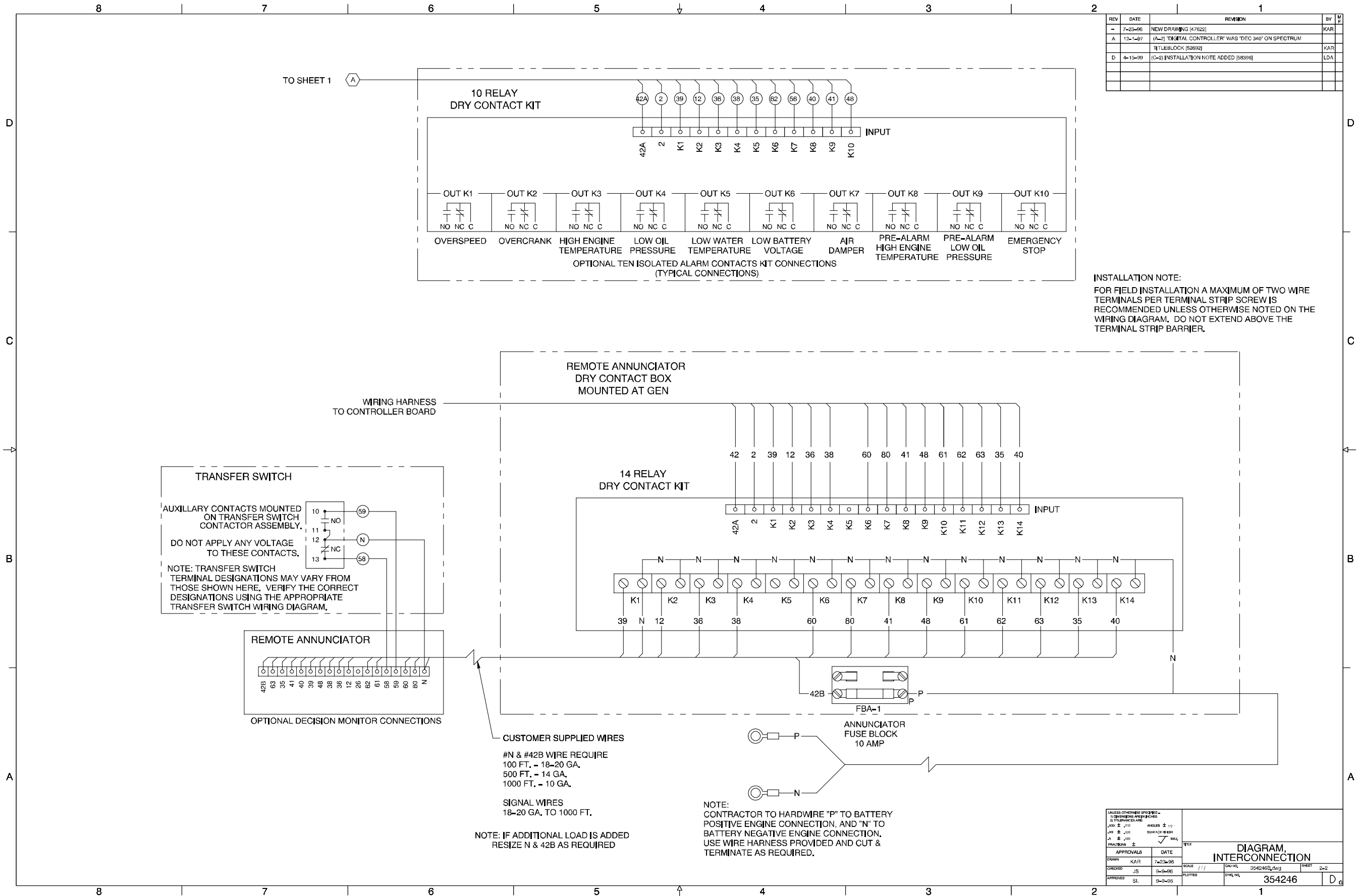
Digital Controller, Point-to-Point Wiring Diagram, Sheet 1, 347941A-J



Digital Controller, Point-to-Point Wiring Diagram, Sheet 2, 347941B-J



Digital Controller, Accessory Connections, Accessories, 354246A-D



Digital Controller, Accessory Connections, Remote Annunciator Kit, 354246B-D

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DETROIT DIESEL



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