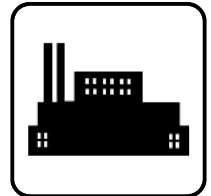


Wiring Diagrams

Fast-Response™ II Industrial Generator Sets



Models:

30-125RZG
50RZGB

Controllers:

Decision-Maker™ 550
Decision-Maker™ 340
Decision-Maker™ 3+
Decision-Maker™ 1



KOHLER[®]
POWER SYSTEMS

TP-6098 9/01c

This manual provides wiring diagrams for the 30-125RZG and 50RZGB generator sets equipped with one of the following controllers:

- Decision-Maker™ 550
- Decision-Maker™ 340
- Decision-Maker™ 3+
- Decision-Maker™ 1

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. Kohler Co. reserves the right to change this publication and the products represented without notice and without any obligation or liability whatsoever.

x:in:001:002

Service Assistance

Service Information

Please contact a local authorized distributor/dealer for sales, service, or other information about Kohler Co. Generator Division products.

- Look on the product or in the information included with the product
- Consult the Yellow Pages under the heading Generators—Electric
- Visit the Kohler Co. Generator Division web site at www.kohlergenerators.com
- Inside the U.S.A. and Canada, call 1-800-544-2444
- Outside the U.S.A. and Canada, call the nearest regional office

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Fax: (65) 264-6455

X:in:008:001

Wiring Diagrams

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.

Wiring Diagram Cross-Reference

Generator Set Model No.	Hz	Generator Set Spec No.	Wiring Diagram Version No.
30RZG	50/60	GM13685-GA1, 4, 7, 10	1-1 or 1-2
35RZG	50/60	GM13685-GA2, 5, 8, 11	1-1 or 1-2
45RZG	50/60	GM13685-GA3, 6, 9, 12	1-1 or 1-2
50RZG	50/60	GM13686-GA1, 3, 5, 7	1-1 or 1-2
50RZGB	50/60	GM21302-GA1, 5, 7	4-1
60RZG	50/60	GM13686-GA2, 4, 6, 8	1-1 or 1-2
80RZG	50/60	GM13934-GA1, 2, 3, 4	2-1 or 2-2
100RZG	50/60	GM13934-GA5, 6, 7, 8	2-1 or 2-2
125RZG	50/60	GM20568-GA1, 2	3-1

Note: Version 1-1 and 2-1 use the Decision-Maker™ 340 controller.

Version 1-2, 2-2, and 3-1 use the Decision-Maker™ 550 controller and Barber-Colman governor.

Version 4-1 uses the Decision-Maker™ 550 controller and Woodward governor.

30-60RZG Controller Wiring Diagrams Reference

Controller Description	Version 1-1	Page	Version 1-2	Page
Decision-Maker™ 550				
Point-to-Point Wiring Diagram				
Sheet 1	—	—	GM16878A-C	56
Sheet 2	—	—	GM16878B-C	57
Schematic Diagram				
Sheet 1	—	—	ADV-6598A-C	18
Sheet 2	—	—	ADV-6598B-C	19
Accessory Connections				
Accessories	—	—	GM16088A-C	54
Remote Annunciator Kit	—	—	GM16088B-C	55
Decision-Maker™ 340				
Point-to-Point Wiring Diagram				
Sheet 1	GM13921A-B	44	—	—
Sheet 2	GM13921B-B	45	—	—
Schematic Diagram				
Sheet 1	ADV-6566A-C	8	—	—
Sheet 2	ADV-6566B-C	9	—	—
Accessory Connections				
Accessories	354246A-D	78	—	—
Remote Annunciator Kit	354246B-D	79	—	—
Decision-Maker™ 3+				
Point-to-Point Wiring Diagram				
Sheet 1	GM13919A-B	42	GM13919A-B	42
Sheet 2	GM13919B-B	43	GM13919B-B	43
Schematic Diagram				
Sheet 1	ADV-6565A-B	6	ADV-6565A-B	6
Sheet 2	ADV-6565B-B	7	ADV-6565B-B	7
Accessory Connections				
Accessories	328912A-F	76	328912A-F	76
Remote Annunciator Kit	328912B-F	77	328912B-F	77
Decision-Maker™ 1				
Standard and Standard with Engine Gauges				
Point-to-Point Wiring Diagram				
Sheet 1	GM13917A-C	38	GM13917A-C	38
Sheet 2	GM13917B-C	39	GM13917B-C	39
Schematic Diagram				
Sheet 1	ADV-6563A-B	2	ADV-6563A-B	2
Sheet 2	ADV-6563B-B	3	ADV-6563B-B	3
Expanded with Engine Gauges and AC Meters				
Point-to-Point Wiring Diagram				
Sheet 1	GM13918A-B	40	GM13918A-B	40
Sheet 2	GM13918B-B	41	GM13918B-B	41
Schematic Diagram				
Sheet 1	ADV-6564A-B	4	ADV-6564A-B	4
Sheet 2	ADV-6564B-B	5	ADV-6564B-B	5
Generator Reconnections				
	ADV-5875A-D	1	ADV-5875A-D	1

50RZGB Controller Wiring Diagrams Reference

Controller Description	Version 4-1	Page
Decision-Maker™ 550		
Point-to-Point Wiring Diagram		
Sheet 1	GM21220A-	74
Sheet 2	GM21220B-	75
Schematic Diagram		
Sheet 1	ADV-6671A-	36
Sheet 2	ADV-6671B-	37
Accessory Connections		
Accessories	GM16088A-C	54
Remote Annunciator Kit	GM16088B-C	55
Decision-Maker™ 3+		
Point-to-Point Wiring Diagram		
Sheet 1	GM21218A-	72
Sheet 2	GM21218B-	73
Schematic Diagram		
Sheet 1	ADV-6670A-	34
Sheet 2	ADV-6670B-	35
Accessory Connections		
Accessories	328912A-F	76
Remote Annunciator Kit	328912B-F	77
Decision-Maker™ 1		
Standard and Standard with Engine Gauges		
Point-to-Point Wiring Diagram		
Sheet 1	GM21216A-	68
Sheet 2	GM21216B-	69
Schematic Diagram		
Sheet 1	ADV-6668A-	30
Sheet 2	ADV-6668B-	31
Expanded with Engine Gauges and AC Meters		
Point-to-Point Wiring Diagram		
Sheet 1	GM21217A-	70
Sheet 2	GM21217B-	71
Schematic Diagram		
Sheet 1	ADV-6669A-	32
Sheet 2	ADV-6669B-	33
Generator Reconnections	ADV-5875A-D	1

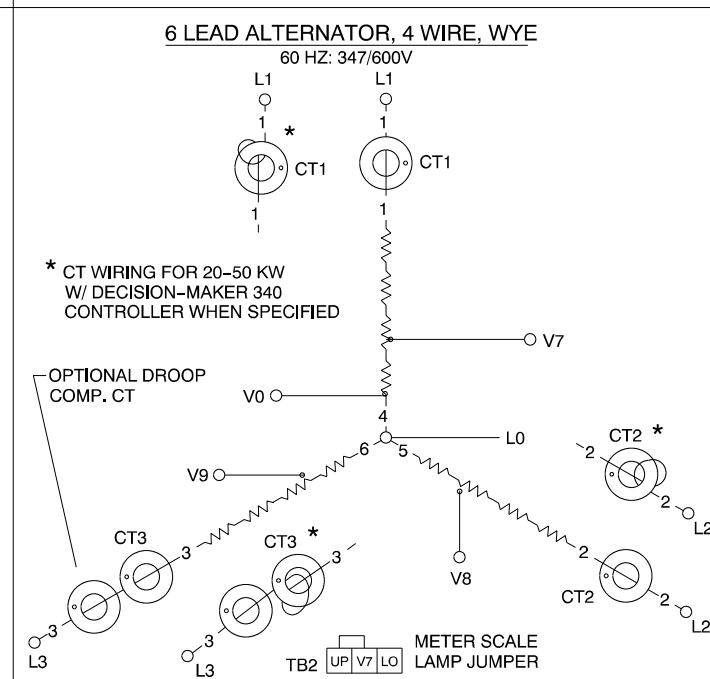
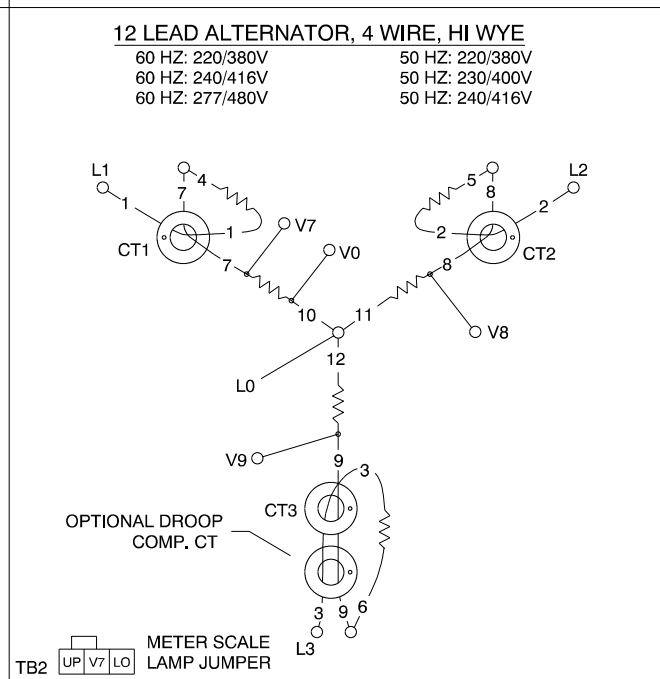
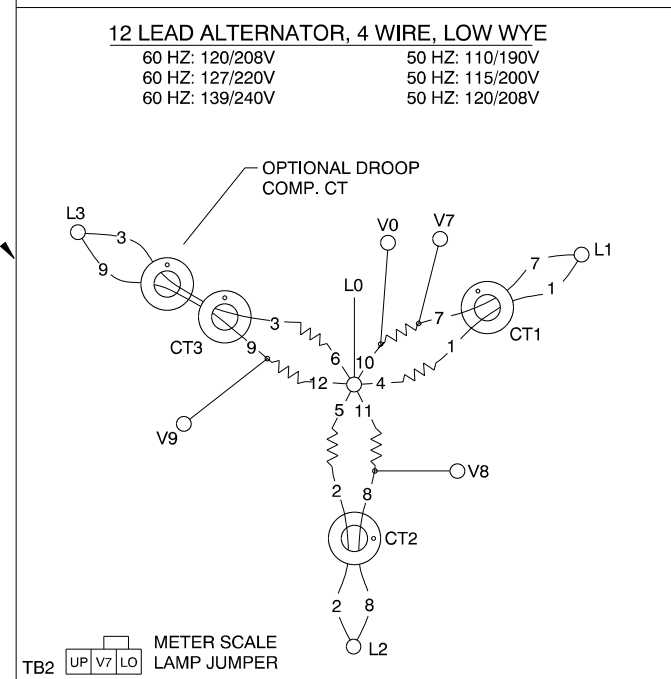
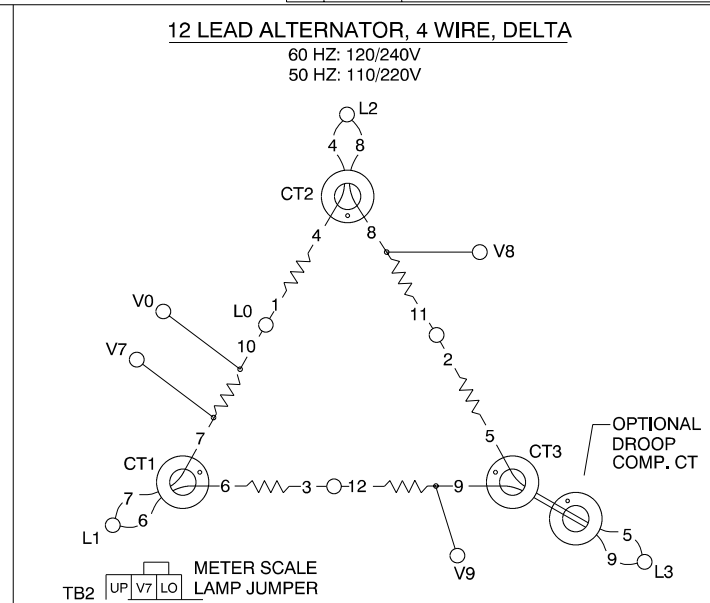
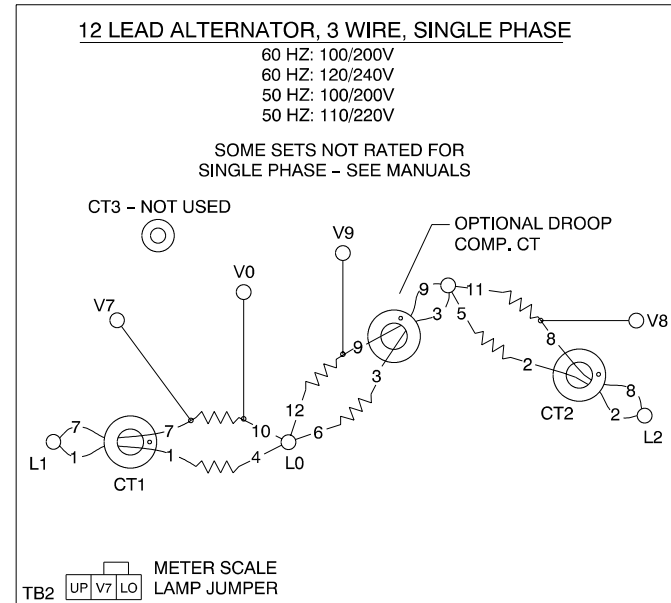
80/100RZG Controller Wiring Diagrams Reference

Controller Description	Version 2-1	Page	Version 2-2	Page
Decision-Maker™ 550				
Point-to-Point Wiring Diagram				
Sheet 1	—	—	GM16879A-C	58
Sheet 2	—	—	GM16879B-C	59
Schematic Diagram				
Sheet 1	—	—	ADV-6599A-C	20
Sheet 2	—	—	ADV-6599B-C	21
Accessory Connections				
Accessories	—	—	GM16088A-C	54
Remote Annunciator Kit	—	—	GM16088B-C	55
Decision-Maker™ 340				
Point-to-Point Wiring Diagram				
Sheet 1	GM14390A-C	52	—	—
Sheet 2	GM14390B-C	53	—	—
Schematic Diagram				
Sheet 1	ADV-6580A-C	16	—	—
Sheet 2	ADV-6580B-C	17	—	—
Accessory Connections				
Accessories	354246A-D	78	—	—
Remote Annunciator Kit	354246B-D	79	—	—
Decision-Maker™ 3+				
Point-to-Point Wiring Diagram				
Sheet 1	GM14387A-C	46	GM14387A-C	46
Sheet 2	GM14387B-C	47	GM14387B-C	47
Schematic Diagram				
Sheet 1	ADV-6577A-C	10	ADV-6577A-C	10
Sheet 2	ADV-6577B-C	11	ADV-6577B-C	11
Accessory Connections				
Accessories	328912A-F	76	328912A-F	76
Remote Annunciator Kit	328912B-F	77	328912B-F	77
Decision-Maker™ 1				
Standard and Standard with Engine Gauges				
Point-to-Point Wiring Diagram				
Sheet 1	GM14389A-D	50	GM14389A-D	50
Sheet 2	GM14389B-D	51	GM14389B-D	51
Schematic Diagram				
Sheet 1	ADV-6579A-C	14	ADV-6579A-C	14
Sheet 2	ADV-6579B-C	15	ADV-6579B-C	15
Expanded with Engine Gauges and AC Meters				
Point-to-Point Wiring Diagram				
Sheet 1	GM14388A-C	48	GM14388A-C	48
Sheet 2	GM14388B-C	49	GM14388B-C	49
Schematic Diagram				
Sheet 1	ADV-6578A-C	12	ADV-6578A-C	12
Sheet 2	ADV-6578B-C	13	ADV-6578B-C	13
Generator Reconnections				
	ADV-5875A-D	1	ADV-5875A-D	1

125RZG Controller Wiring Diagrams Reference

Controller Description	Version 3-1	Page
Decision-Maker™ 550		
Point-to-Point Wiring Diagram		
Sheet 1	GM20733A-A	66
Sheet 2	GM20733B-A	67
Schematic Diagram		
Sheet 1	ADV-6661A-A	28
Sheet 2	ADV-6661B-A	29
Accessory Connections		
Accessories	GM16088A-C	54
Remote Annunciator Kit	GM16088B-C	55
Decision-Maker™ 3+		
Point-to-Point Wiring Diagram		
Sheet 1	GM20729A-A	60
Sheet 2	GM20729B-A	61
Schematic Diagram		
Sheet 1	ADV-6658A-A	22
Sheet 2	ADV-6658B-A	23
Accessory Connections		
Accessories	328912A-F	76
Remote Annunciator Kit	328912B-F	77
Decision-Maker™ 1		
Standard and Standard with Engine Gauges		
Point-to-Point Wiring Diagram		
Sheet 1	GM20732A-B	64
Sheet 2	GM20732B-B	65
Schematic Diagram		
Sheet 1	ADV-6660A-A	26
Sheet 2	ADV-6660B-A	27
Expanded with Engine Gauges and AC Meters		
Point-to-Point Wiring Diagram		
Sheet 1	GM20731A-A	62
Sheet 2	GM20731B-A	63
Schematic Diagram		
Sheet 1	ADV-6659A-A	24
Sheet 2	ADV-6659B-A	25
Generator Reconnections	ADV-5875A-D	1

REV	DATE	REVISION	BY
B	11-4-98	(B-1,2,3,4 C-1) OPTIONAL DROOP MOVED FROM L2 TO L3 [56797]	JS
C	6-2-99	(C-3) MARINE ONLY: L0 REMOVED, L0 WAS L1, L1 WAS L2, TAPE TWO PLACES WAS ONE [58896]	SAM
D	6-17-99	DIAGRAMS UPDATED; (B-2, C-4) NOTE & CT'S ADDED FOR 20-50 KW W/ DECISION-MAKER 340 & DIGITAL CONTROLLERS [59021]	KAR

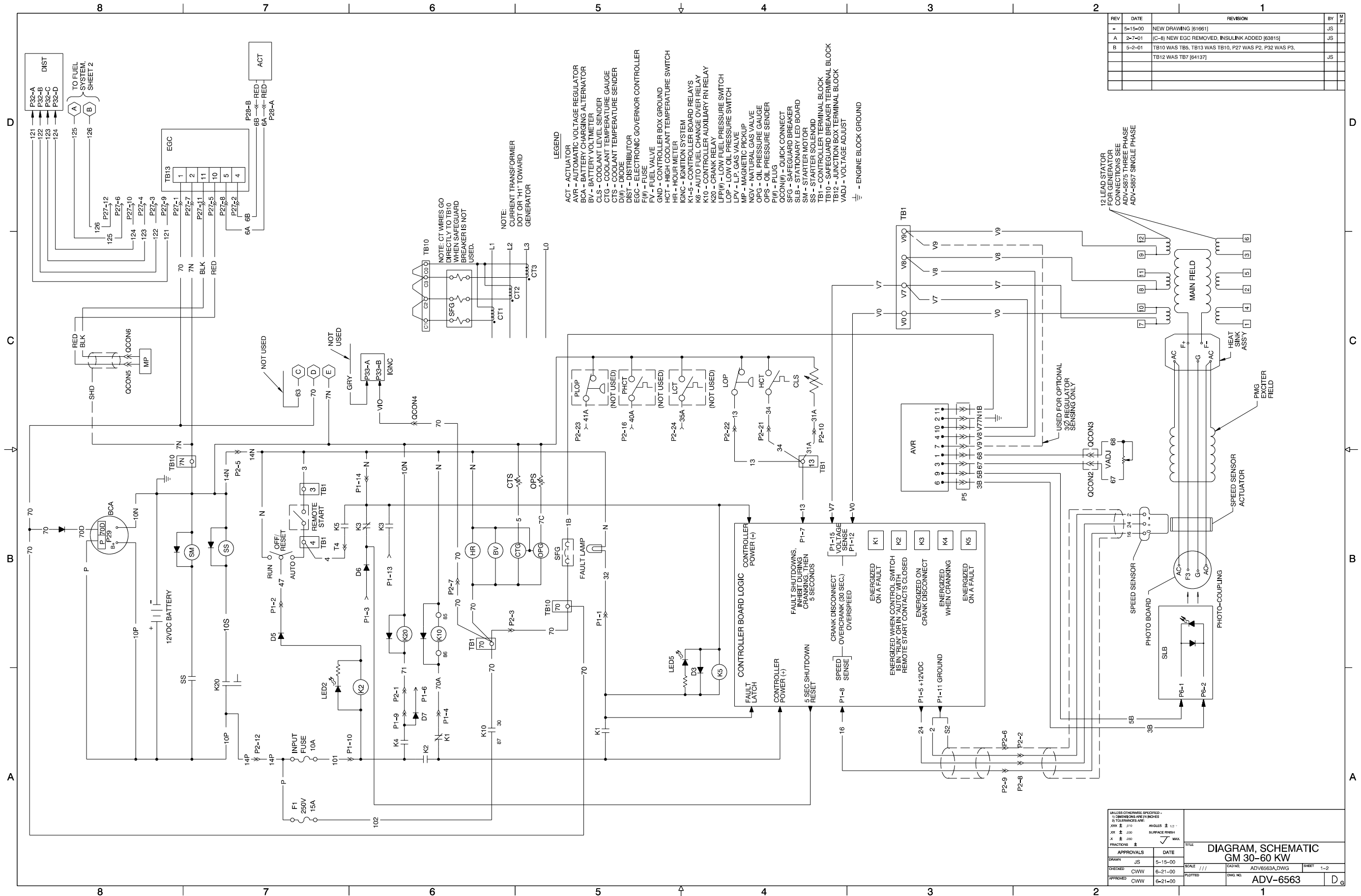


NOTES:
 CURRENT TRANSFORMER DOT OR "H1" TOWARD GENERATOR.
 CURRENT TRANSFORMERS NOT USED ON ALL SETS.

PHASE ROTATION
 A B C
 L1 L2 L3

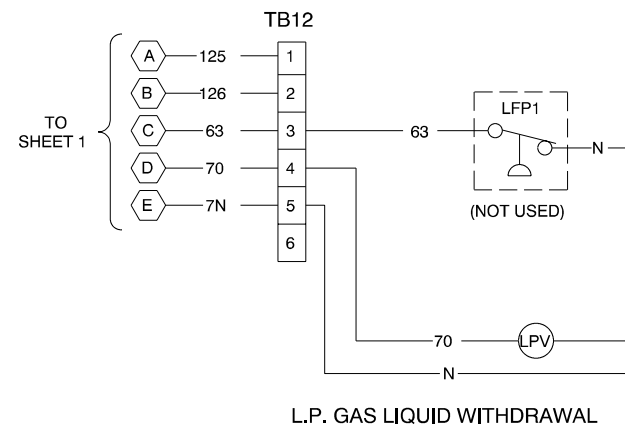
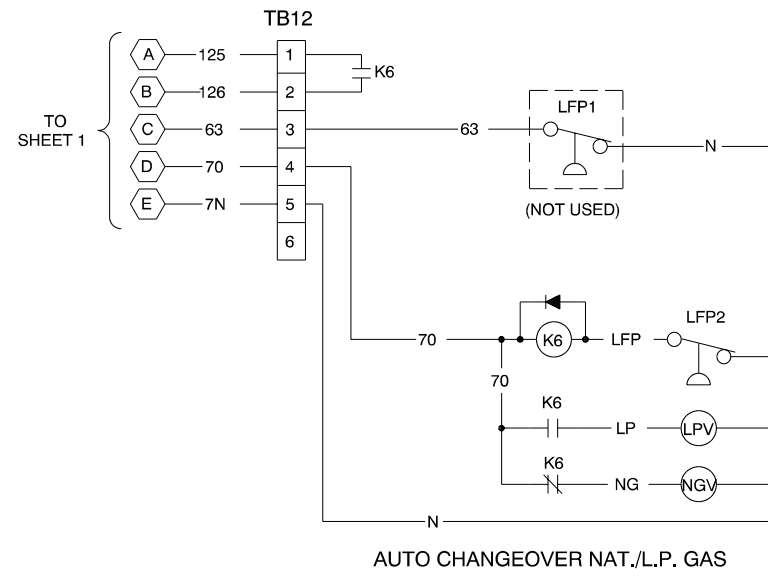
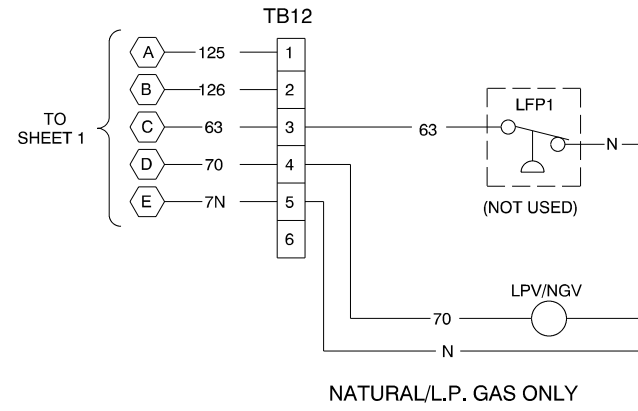
UNLESS OTHERWISE SPECIFIED - 1) DIMENSIONS ARE IN INCHES 2) TOLERANCES ARE: XXX ± .010 ANGLES ± 1/2° XX ± .030 SURFACE FINISH X ± .060 ✓ MAX. FRACTIONS ±		TITLE 3 Ø DIAGRAM, RECONNECTABLE	
APPROVALS	DATE	SCALE	SHEET
DRAWN DFS	7-28-92	NONE	1-2
CHECKED TLK	6-23-99	CAD NO.	ADV5875A.DWG
APPROVED JMH	6-25-99	DWG. NO.	ADV-5875

REV	DATE	REVISION	BY	APP
-	5-15-00	NEW DRAWING (61661)	JS	
A	2-7-01	(C-8) NEW EGC REMOVED, INSULINK ADDED (63815)	JS	
B	5-2-01	TB10 WAS TB5, TB13 WAS TB10, P27 WAS P2, P32 WAS P3, TB12 WAS TB7 (64137)	JS	

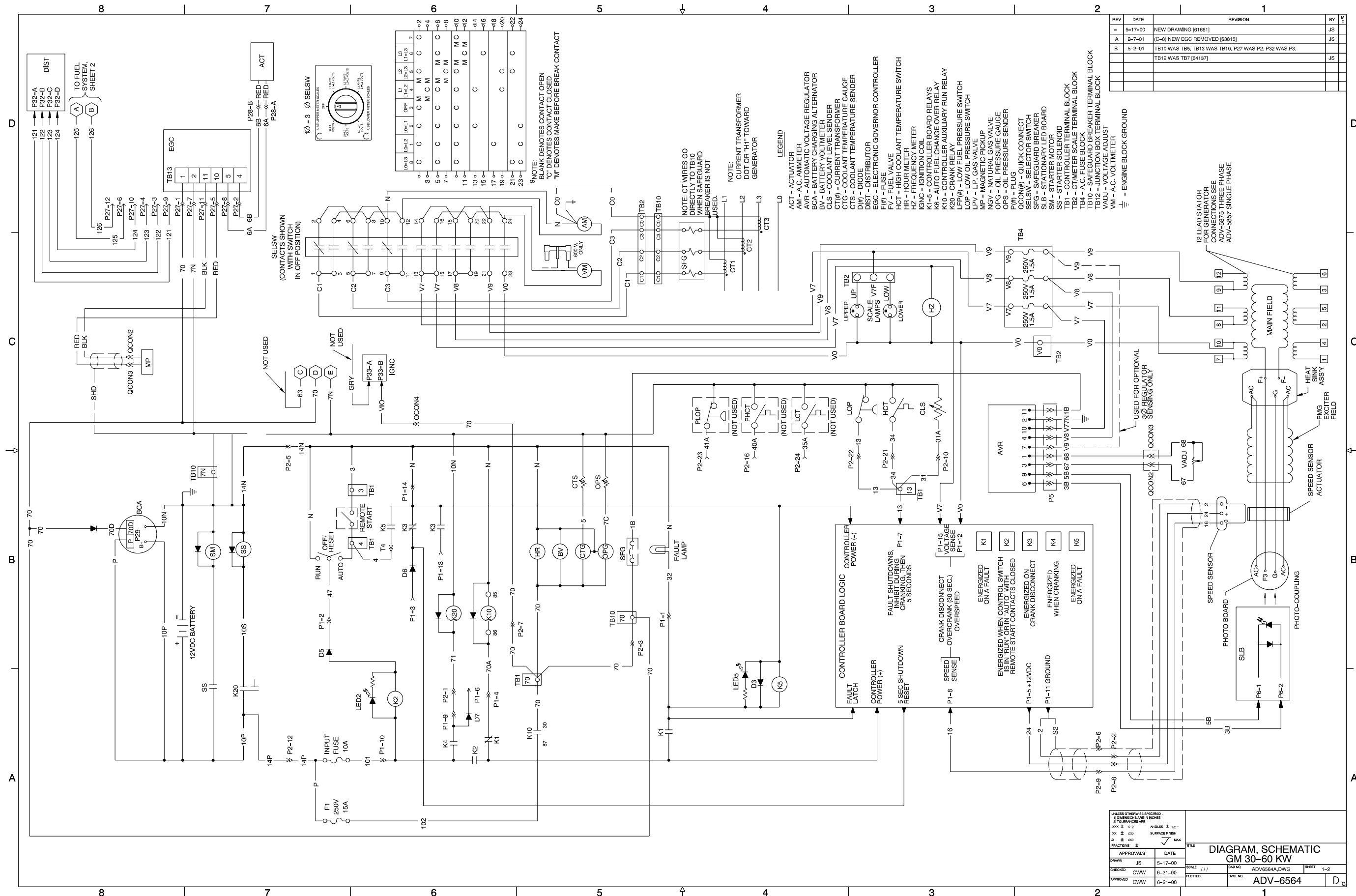


Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Schematic Diagram, Sheet 1, ADV-6563A-B

REV	DATE	REVISION	BY	APP
-	5-22-00	NEW DRAWING (81661)	JS	
A	2-7-01	SEE SHEET 1 (83815)	JS	
B	5-2-01	TB12 WAS TB7, 70 & 7N ADDED TO TB12 (84137)	JS	



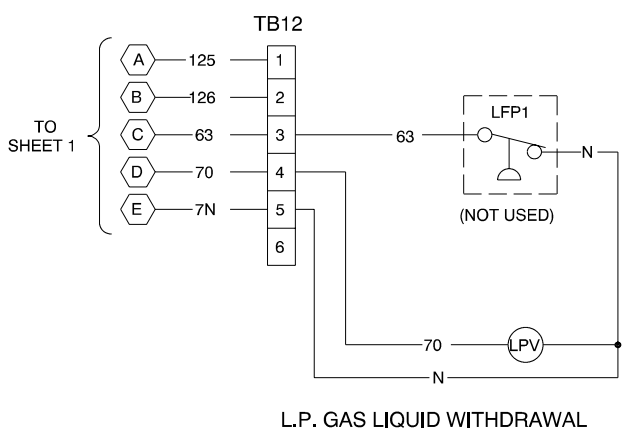
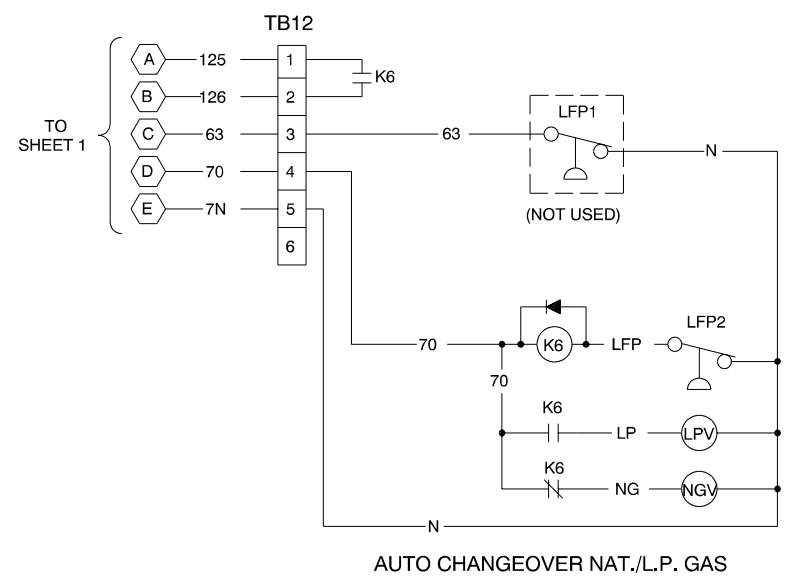
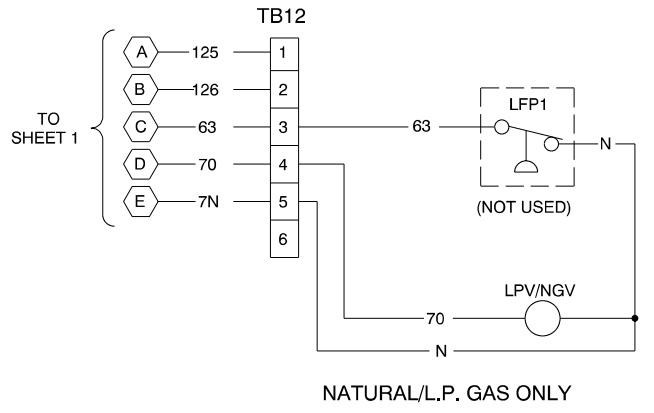
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<small>APPROVALS</small> DRAWN JS 5-22-00 CHECKED CWW 6-21-00 APPROVED CWW 6-21-00	<small>DATE</small> 5-22-00 6-21-00 6-21-00	<small>SCALE</small> ///	<small>DWG NO.</small> ADV6563B.DWG <small>DWG NO.</small> ADV-6563
		<small>SHEET</small> 2-2	<small>SHEET</small> 2-2



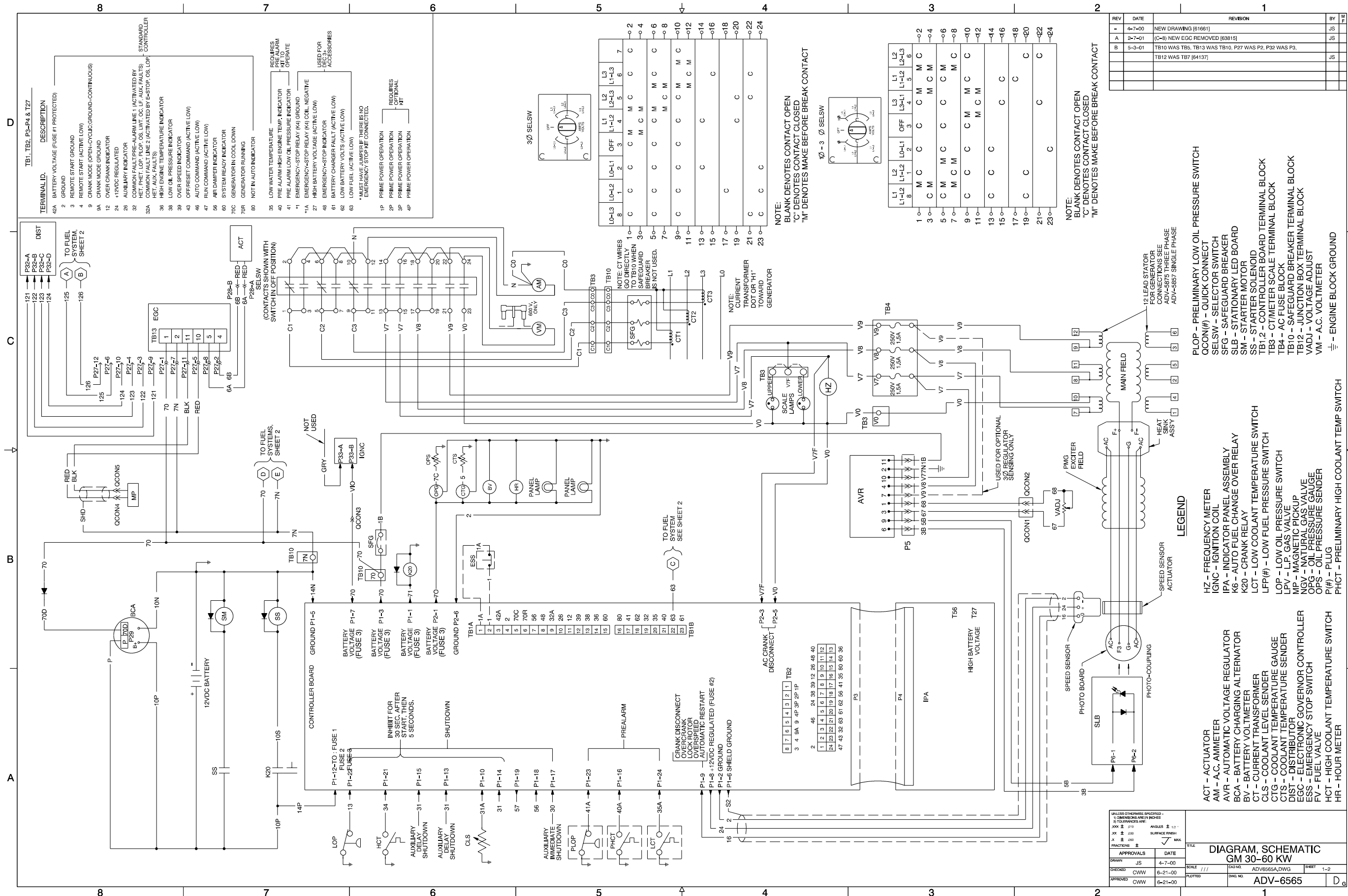
REV	DATE	REVISION	BY	APP
-	5-17-00	NEW DRAWING (61661)	JS	
A	2-7-01	(C-8) NEW EGC REMOVED (63815)	JS	
B	5-2-01	TB10 WAS TB5, TB13 WAS TB10, P27 WAS P2, P32 WAS P3, TB12 WAS TB7 (64137)	JS	

APPROVALS		DATE	TITLE		
DRAWN	JS	5-17-00	DIAGRAM, SCHEMATIC		
CHECKED	CWW	6-21-00	GM 30-60 KW		
APPROVED	CWW	6-21-00	SCALE	DWG NO.	SHEET
			///	ADV6564A.DWG	1-2
			PLOTTED	DWG NO.	
				ADV-6564	D

REV	DATE	REVISION	BY	APP
-	5-22-00	NEW DRAWING (81661)	JS	
A	2-7-01	SEE SHEET 1 (83815)	JS	
B	5-2-01	TB12 WAS TB7, 70 & 7N ADDED TO TB12 (84137)	JS	

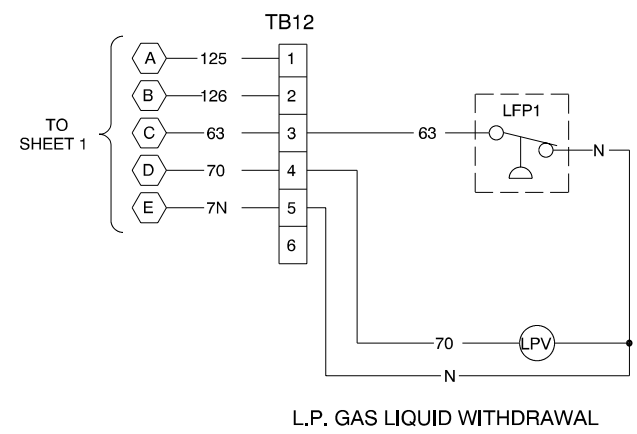
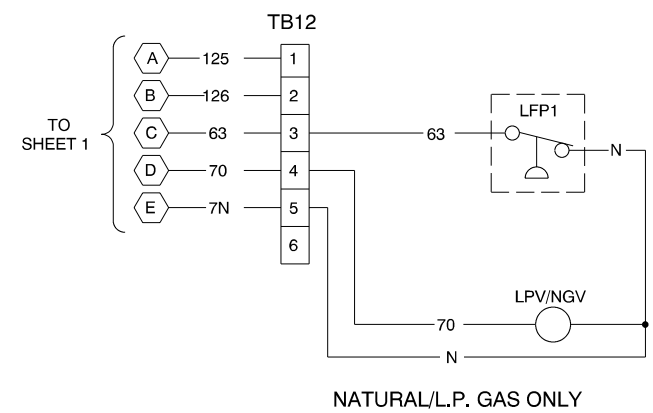


<small>UNLESS OTHERWISE SPECIFIED - 1) DIMENSIONS ARE IN INCHES 2) TOLERANCES ARE: .XXX ± .010 ANGLES ± 1/2° .XX ± .005 SURFACE FINISH .X ± .005 FINISHES ± MAX</small>		<small>TITLE</small> DIAGRAM, SCHEMATIC GM 30-60 KW	
<small>APPROVALS</small> DRAWN JS CHECKED CWW APPROVED CWW	<small>DATE</small> 5-22-00 6-21-00 6-21-00	<small>SCALE</small> ///	<small>DWG NO.</small> ADV6564B.DWG <small>DWG NO.</small> ADV-6564
		<small>SHEET</small> 2-2	<small>SHEET</small> 2-2



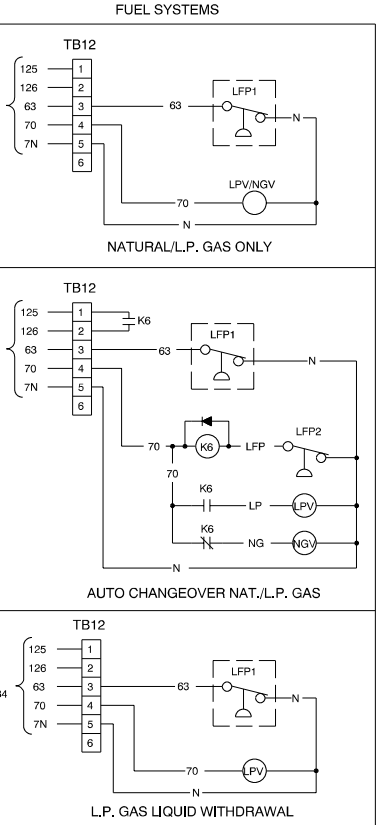
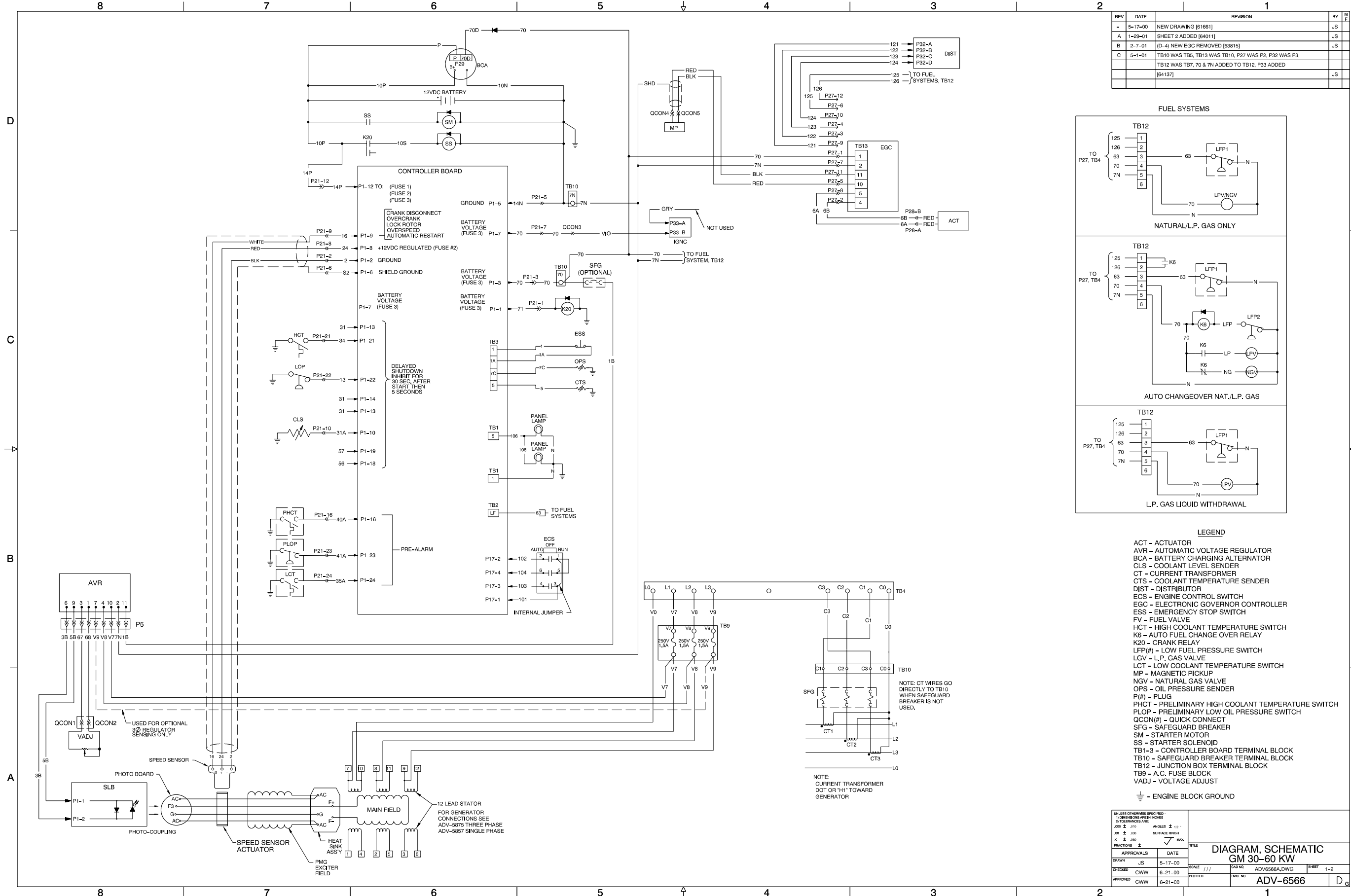
Decision-Maker™ 3+ Controller, Schematic Diagram, Sheet 1, ADV-6565A-B

REV	DATE	REVISION	BY	APP
-	5-22-00	NEW DRAWING (81661)	JS	
A	2-7-01	SEE SHEET 1 (83815)	JS	
B	5-3-01	TB12 WAS TB7, 70 & 7N ADDED TO TB12 (84137)	JS	



<small>UNLESS OTHERWISE SPECIFIED: 1) DIMENSIONS ARE IN INCHES 2) TOLERANCES ARE: .XXX ± .010 ANGLES ± 1/2° .XX ± .005 SURFACE FINISH .X ± .005 FRACTIONS ± MAX</small>		<small>TITLE</small> DIAGRAM, SCHEMATIC GM 30-60 KW	
<small>APPROVALS</small> DRAWN JS 5-22-00 CHECKED CWW 6-21-00 APPROVED CWW 6-21-00	<small>DATE</small> 5-22-00 6-21-00 6-21-00	<small>SCALE</small> ///	<small>DWG NO.</small> ADV6565B.DWG <small>DWG NO.</small> ADV-6565
			<small>SHEET</small> 2-2 <small>DWG NO.</small> ADV-6565

REV	DATE	REVISION	BY	APP
-	5-17-00	NEW DRAWING (61661)	JS	
A	1-29-01	SHEET 2 ADDED (6401)	JS	
B	2-7-01	(D-4) NEW EGC REMOVED (63815)	JS	
C	5-1-01	TB10 WAS TB5, TB13 WAS TB10, P27 WAS P2, P32 WAS P3, TB12 WAS TB7, 70 & 7N ADDED TO TB12, P33 ADDED (64137)	JS	



- LEGEND**
- ACT - ACTUATOR
 - AVR - AUTOMATIC VOLTAGE REGULATOR
 - BCA - BATTERY CHARGING ALTERNATOR
 - CLS - COOLANT LEVEL SENDER
 - CT - CURRENT TRANSFORMER
 - CTS - COOLANT TEMPERATURE SENDER
 - DIST - DISTRIBUTOR
 - ECS - ENGINE CONTROL SWITCH
 - EGC - ELECTRONIC GOVERNOR CONTROLLER
 - ESS - EMERGENCY STOP SWITCH
 - FV - FUEL VALVE
 - HCT - HIGH COOLANT TEMPERATURE SWITCH
 - K6 - AUTO FUEL CHANGE OVER RELAY
 - K20 - CRANK RELAY
 - LFP# - LOW FUEL PRESSURE SWITCH
 - LGV - L.P. GAS VALVE
 - LGT - LOW COOLANT TEMPERATURE SWITCH
 - MP - MAGNETIC PICKUP
 - NGV - NATURAL GAS VALVE
 - OPS - OIL PRESSURE SENDER
 - P# - PLUG
 - PHCT - PRELIMINARY HIGH COOLANT TEMPERATURE SWITCH
 - PLOP - PRELIMINARY LOW OIL PRESSURE SWITCH
 - QCON# - QUICK CONNECT
 - SFG - SAFEGUARD BREAKER
 - SM - STARTER MOTOR
 - SS - STARTER SOLENOID
 - TB1-3 - CONTROLLER BOARD TERMINAL BLOCK
 - TB10 - SAFEGUARD BREAKER TERMINAL BLOCK
 - TB12 - JUNCTION BOX TERMINAL BLOCK
 - TB9 - A.C. FUSE BLOCK
 - VADJ - VOLTAGE ADJUST
 - ⊥ - ENGINE BLOCK GROUND

APPROVALS		DATE	TITLE	
DRAWN	JS	5-17-00	DIAGRAM, SCHEMATIC GM 30-60 KW	
CHECKED	CWW	6-21-00	SCALE	///
APPROVED	CWW	6-21-00	DWG NO.	ADV/6566A.DWG
			PLOTTED	SHEET 1-2
				ADV-6566

Decision-Maker™ 340 Controller, Schematic Diagram, Sheet 1, ADV-6566A-C

REV	DATE	REVISION	BY	APP
A	1-29-01	NEW DRAWING (84011)	JS	
B	2-7-01	SEE SHEET 1 (83816)	JS	
C	5-1-01	SEE SHEET 1 (84137)	JS	

INTERCONNECT BOARD

OUTPUT CONNECTIONS

- TB1-1 ENGINE GROUND
- TB1-2 ENGINE GROUND
- TB1-3 ENGINE GROUND
- TB1-4 ENGINE GROUND
- TB1-5 PANEL LAMP OUTPUT
- TB1-6 RDO-10
- TB1-7 RDO-9
- TB1-8 RDO-7
- TB1-9 RDO-5
- TB1-10 NIA RELAY OUTPUT (80)
- TB1-11 OVERCRANK RELAY OUTPUT (12)
- TB1-12 LOW BATTERY VOLTAGE RELAY OUTPUT (62)
- TB1-13 LOW ENGINE TEMPERATURE RELAY OUTPUT (35)
- TB1-14 LOW OIL PRESSURE RELAY OUTPUT (38)
- TB1-15 HIGH ENGINE TEMPERATURE RELAY OUTPUT (36)
- TB1-16 LOW OIL PRESSURE WARNING RELAY OUTPUT (41)
- TB1-17 HIGH ENGINE TEMPERATURE WARNING RELAY OUTPUT (40)
- TB1-18 42A
- TB1-19 42A
- TB1-20 42A
- TB1-21 DVR DOWN VOLTAGE ADJUSTMENT
- TB1-22 DVR COMMON VOLTAGE ADJUSTMENT
- TB1-23 DVR UP VOLTAGE ADJUSTMENT
- TB1-24 RDO-8
- TB1-25 RDO-6
- TB1-26 RDO-4
- TB1-27 RDO-3
- TB1-28 RDO-2
- TB1-29 RDO-1
- TB1-30 SYSTEM READY RELAY OUTPUT (60)
- TB1-31 E-STOP RELAY OUTPUT (48)
- TB1-32 BATTERY CHARGER FAULT RELAY OUTPUT (61)
- TB1-33 LOW FUEL RELAY OUTPUT (63)
- TB1-34 OVERSPEED RELAY OUTPUT (39)

AC INPUT CONNECTIONS

- TB4-1 L0 (V0)
- TB4-2 L1 (V7)
- TB4-3 L2 (V8)
- TB4-4 L3 (V9)
- TB4-5
- TB4-6 C3
- TB4-7 C2
- TB4-8 C1
- TB4-9 C0

INPUT CONNECTIONS

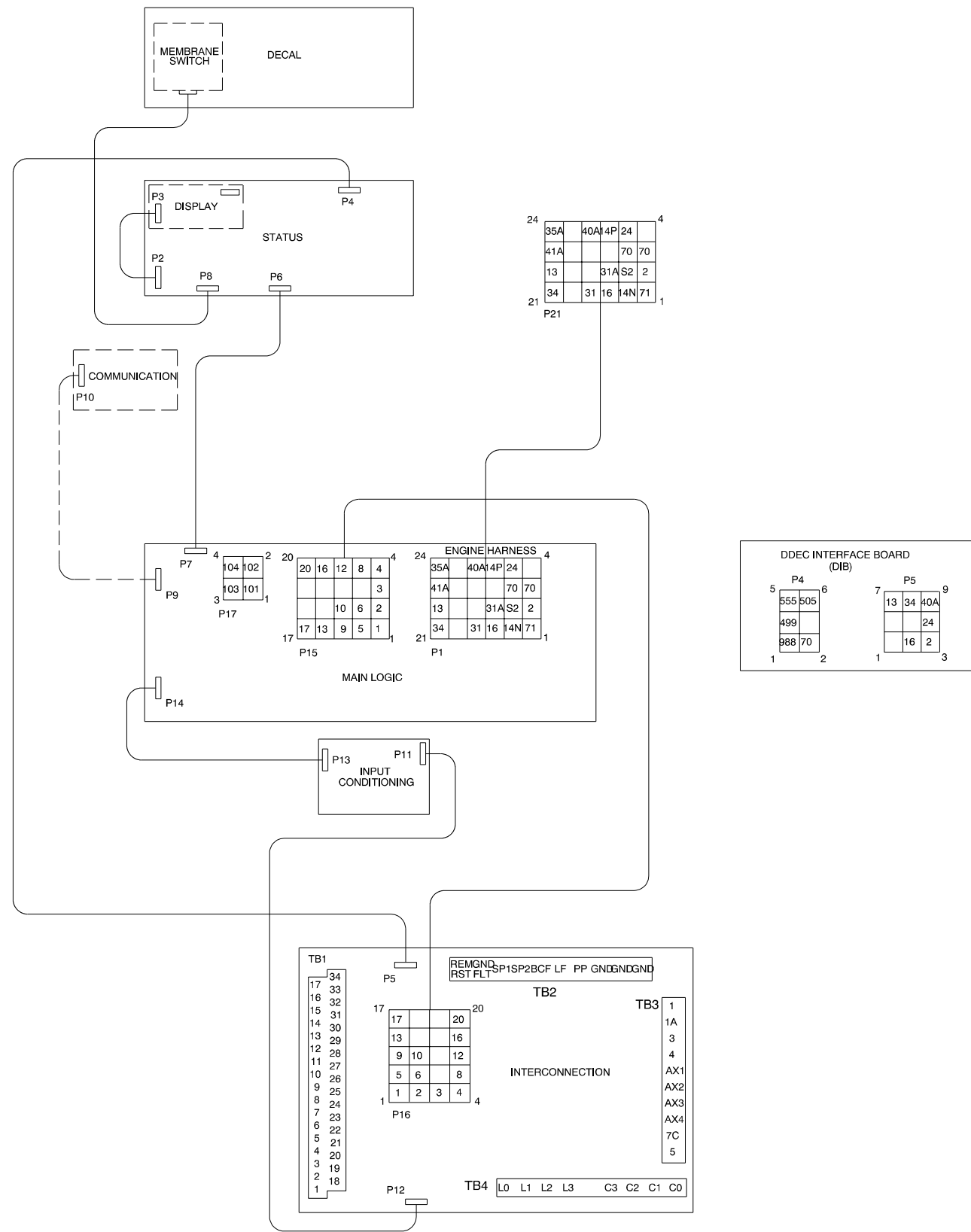
- TB2-1 REMOTE RESET *
- TB2-2 GROUND FAULT *
- TB2-3 NOT USED
- TB2-4 NOT USED
- TB2-5 BATTERY CHARGER FAULT *
- TB2-6 LOW FUEL *
- TB2-7 PRIME POWER MODE *
- TB2-8 ENGINE GROUND
- TB2-9 ENGINE GROUND
- TB2-10 ENGINE GROUND
- TB3-1 E-STOP GROUND (1)
- TB3-2 E-STOP (1A)
- TB3-3 REMOTE START (3)
- TB3-4 REMOTE START (4)
- TB3-5 AUXILIARY 1 *
- TB3-6 AUXILIARY 2 *
- TB3-7 AUXILIARY 3 *
- TB3-8 AUXILIARY 4 *
- TB3-9 OIL PRESSURE SENDING UNIT (7C)
- TB3-10 COOLANT TEMPERATURE SENDING UNIT (5)

P1 CONNECTIONS (ENGINE TO MICRO BOARD)

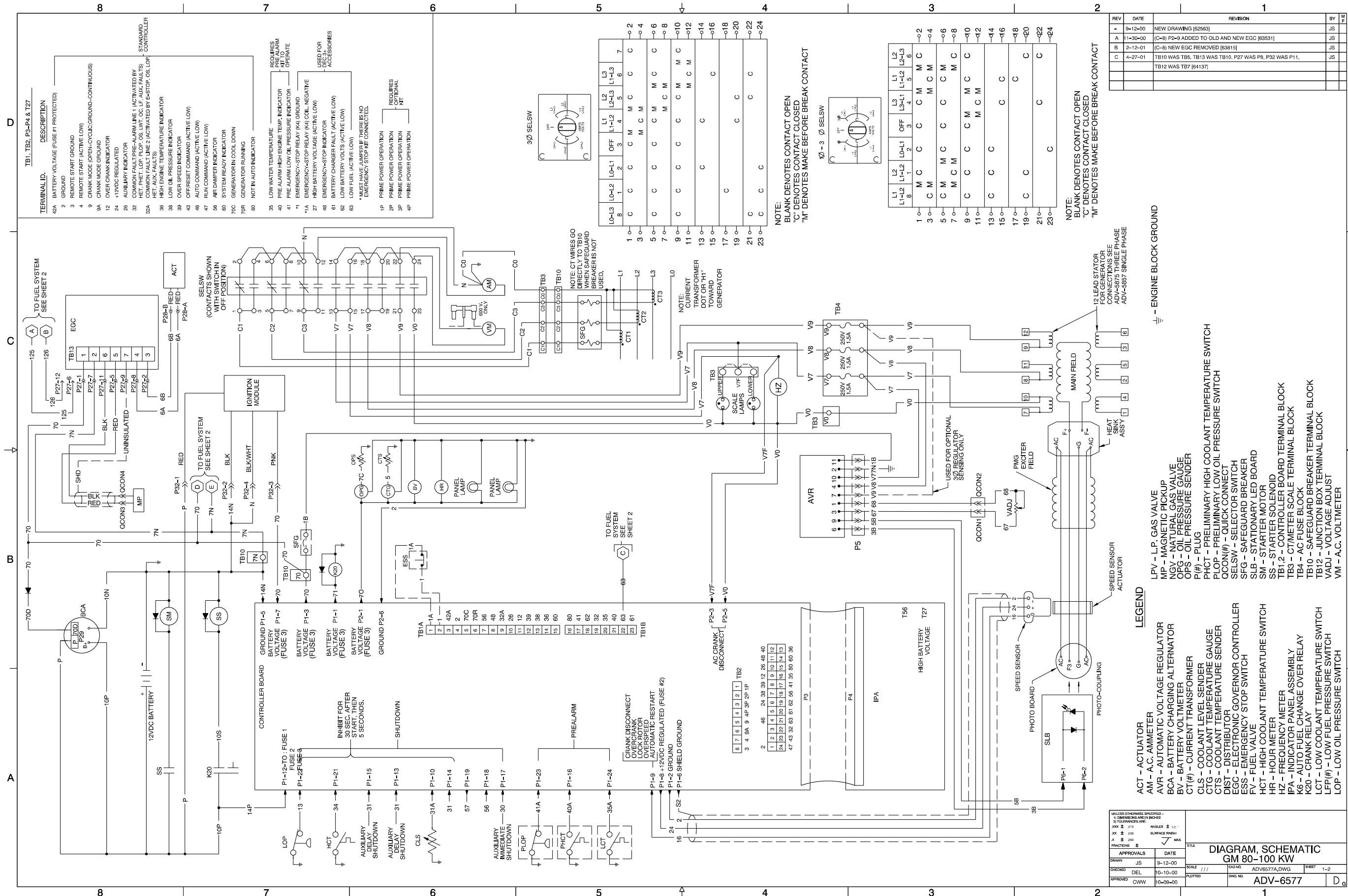
POSITIONS

- 1 ENGINE CRANK (71)
- 2 SPEED SENSOR GROUND (2)
- 3 SAFEGUARD BREAKER (70)
- 4 B.C. ALTERNATOR FLASHING
- 5 STARTER MOTOR GROUND (14N)
- 6 SPEED SENSOR SHIELD (S2)
- 7 ENGINE RUN (70)
- 8 V+ SPEED SENSOR (24)
- 9 SPEED SENSOR SIGNAL (16)
- 10 LOW COOLANT LEVEL PTC (31A)
- 11 NOT USED
- 12 BATTERY + (14P)
- 13 HIGH OIL TEMPERATURE SWITCH INPUT (31) *
- 14 LOW COOLANT LEVEL SWITCH INPUT (31) *
- 15 NOT USED
- 16 HIGH COOLANT TEMPERATURE WARNING SWITCH INPUT (40A) *
- 17 NOT USED
- 18 AIR DAMPER SWITCH INPUT (56) *
- 19 AIR DAMPER SWITCH OUTPUT (57)
- 20 NOT USED
- 21 HIGH COOLANT TEMPERATURE SWITCH INPUT (34) *
- 22 LOW OIL PRESSURE SWITCH INPUT (13) *
- 23 LOW OIL PRESSURE WARNING SWITCH INPUT (41A) *
- 24 LOW COOLANT TEMPERATURE SWITCH INPUT (35A) *

* GROUND TO ACTIVATE

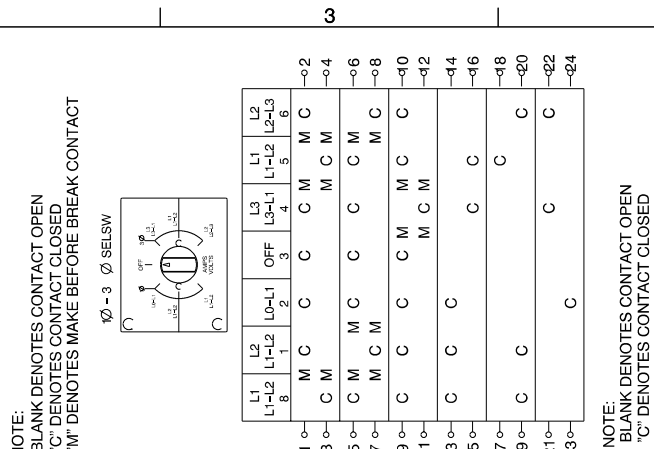


APPROVALS		DATE	SCALE	DWG. NO.	SHEET
DRAWN	JS	1-29-01	///	ADV-6566B	2-2
CHECKED					
APPROVED					



TERMINAL ID.	DESCRIPTION
42A	BATTERY VOLTAGE (FUSE #1 PROTECTED)
2	GROUND
3	REMOTE START GROUND
4	REMOTE START (ACTIVE LOW)
9	CRANK MODE (OPEN-CYCLIC/GROUND-CONTINUOUS)
9A	CRANK MODE GROUND
12	OVER CRANK INDICATOR
24	+12VDC REGULATOR
26	AUXILIARY INDICATOR
32	COMMON FAULT/PRE-ALARM LINE 1 (ACTIVATED BY HET, PHET, LOP, FLOP, OS, LMT, OC, LF, AUX. FAULTS)
32A	COMMON FAULT LINE 2 (ACTIVATED BY E-STOP, OS, LOP HET, AUX. FAULTS)
36	HIGH ENGINE TEMPERATURE INDICATOR
38	LOW OIL PRESSURE INDICATOR
39	OVER SPEED INDICATOR
43	OFF/RESET COMMAND (ACTIVE LOW)
46	AUTO COMMAND (ACTIVE LOW)
47	RUN COMMAND (ACTIVE LOW)
56	AIR DAMPER INDICATOR
60	SYSTEM READY INDICATOR
70C	GENERATOR IN COOL DOWN
70A	GENERATOR RUNNING
80	NOT IN AUTO INDICATOR
35	LOW WATER TEMPERATURE
40	PRE ALARM HIGH ENGINE TEMP. INDICATOR
41	PRE ALARM LOW OIL PRESSURE INDICATOR
*1	EMERGENCY-STOP RELAY (K4) GROUND
*1A	EMERGENCY-STOP RELAY (K4) COIL, NEGATIVE
27	HIGH BATTERY VOLTAGE (ACTIVE LOW)
48	EMERGENCY-STOP INDICATOR
61	BATTERY CHARGER FAULT (ACTIVE LOW)
62	LOW BATTERY VOLTS (ACTIVE LOW)
63	LOW FUEL (ACTIVE LOW)
*MUST HAVE JUMPER IF THERE IS NO EMERGENCY STOP KIT CONNECTED.	
1P	PRIME POWER OPERATION
3P	PRIME POWER OPERATION
4P	PRIME POWER OPERATION

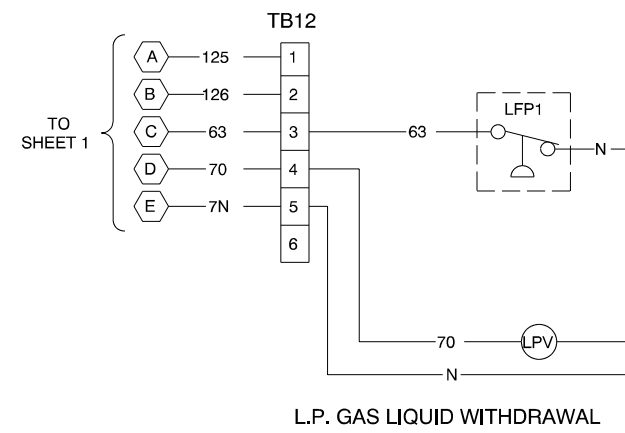
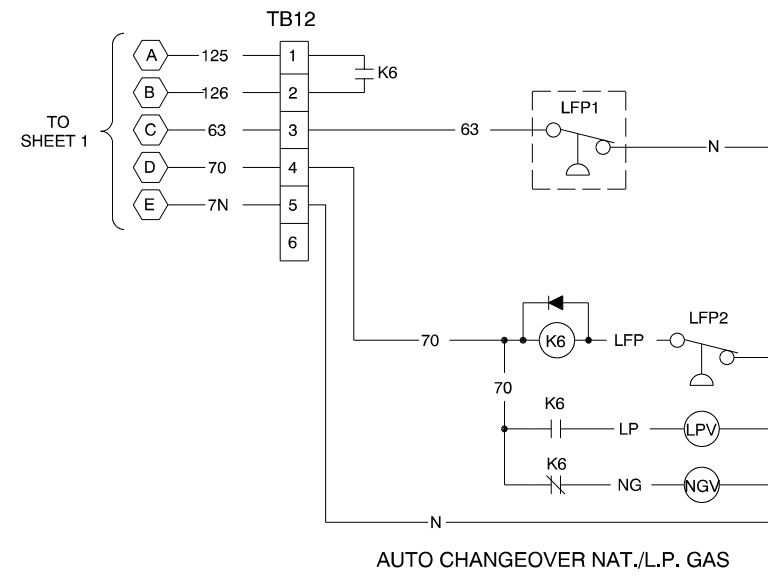
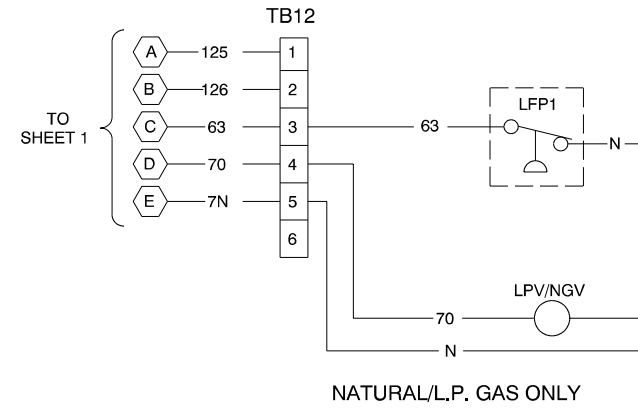
TERMINAL ID.	DESCRIPTION
10-13	L0-L3
1-4	L0-L1
5-8	L1-L2
9-12	L2-L3
13-16	L1-L2
17-20	L2-L3
21-24	L0-L1
25-28	L1-L2
29-32	L2-L3
33-36	L1-L2
37-40	L2-L3
41-44	L0-L1
45-48	L1-L2
49-52	L2-L3
53-56	L1-L2
57-60	L2-L3
61-64	L0-L1
65-68	L1-L2
69-72	L2-L3
73-76	L1-L2
77-80	L2-L3
81-84	L0-L1
85-88	L1-L2
89-92	L2-L3
93-96	L1-L2
97-100	L2-L3
101-104	L0-L1
105-108	L1-L2
109-112	L2-L3
113-116	L1-L2
117-120	L2-L3
121-124	L0-L1
125-128	L1-L2
129-132	L2-L3
133-136	L1-L2
137-140	L2-L3
141-144	L0-L1
145-148	L1-L2
149-152	L2-L3
153-156	L1-L2
157-160	L2-L3
161-164	L0-L1
165-168	L1-L2
169-172	L2-L3
173-176	L1-L2
177-180	L2-L3
181-184	L0-L1
185-188	L1-L2
189-192	L2-L3
193-196	L1-L2
197-200	L2-L3
201-204	L0-L1
205-208	L1-L2
209-212	L2-L3
213-216	L1-L2
217-220	L2-L3
221-224	L0-L1
225-228	L1-L2
229-232	L2-L3
233-236	L1-L2
237-240	L2-L3
241-244	L0-L1
245-248	L1-L2
249-252	L2-L3
253-256	L1-L2
257-260	L2-L3
261-264	L0-L1
265-268	L1-L2
269-272	L2-L3
273-276	L1-L2
277-280	L2-L3
281-284	L0-L1
285-288	L1-L2
289-292	L2-L3
293-296	L1-L2
297-300	L2-L3
301-304	L0-L1
305-308	L1-L2
309-312	L2-L3
313-316	L1-L2
317-320	L2-L3
321-324	L0-L1
325-328	L1-L2
329-332	L2-L3
333-336	L1-L2
337-340	L2-L3
341-344	L0-L1
345-348	L1-L2
349-352	L2-L3
353-356	L1-L2
357-360	L2-L3
361-364	L0-L1
365-368	L1-L2
369-372	L2-L3
373-376	L1-L2
377-380	L2-L3
381-384	L0-L1
385-388	L1-L2
389-392	L2-L3
393-396	L1-L2
397-400	L2-L3
401-404	L0-L1
405-408	L1-L2
409-412	L2-L3
413-416	L1-L2
417-420	L2-L3
421-424	L0-L1
425-428	L1-L2
429-432	L2-L3
433-436	L1-L2
437-440	L2-L3
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445-448	L1-L2
449-452	L2-L3
453-456	L1-L2
457-460	L2-L3
461-464	L0-L1
465-468	L1-L2
469-472	L2-L3
473-476	L1-L2
477-480	L2-L3
481-484	L0-L1
485-488	L1-L2
489-492	L2-L3
493-496	L1-L2
497-500	L2-L3
501-504	L0-L1
505-508	L1-L2
509-512	L2-L3
513-516	L1-L2
517-520	L2-L3
521-524	L0-L1
525-528	L1-L2
529-532	L2-L3
533-536	L1-L2
537-540	L2-L3
541-544	L0-L1
545-548	L1-L2
549-552	L2-L3
553-556	L1-L2
557-560	L2-L3
561-564	L0-L1
565-568	L1-L2
569-572	L2-L3
573-576	L1-L2
577-580	L2-L3
581-584	L0-L1
585-588	L1-L2
589-592	L2-L3
593-596	L1-L2
597-600	L2-L3
601-604	L0-L1
605-608	L1-L2
609-612	L2-L3
613-616	L1-L2
617-620	L2-L3
621-624	L0-L1
625-628	L1-L2
629-632	L2-L3
633-636	L1-L2
637-640	L2-L3
641-644	L0-L1
645-648	L1-L2
649-652	L2-L3
653-656	L1-L2
657-660	L2-L3
661-664	L0-L1
665-668	L1-L2
669-672	L2-L3
673-676	L1-L2
677-680	L2-L3
681-684	L0-L1
685-688	L1-L2
689-692	L2-L3
693-696	L1-L2
697-700	L2-L3
701-704	L0-L1
705-708	L1-L2
709-712	L2-L3
713-716	L1-L2
717-720	L2-L3
721-724	L0-L1
725-728	L1-L2
729-732	L2-L3
733-736	L1-L2
737-740	L2-L3
741-744	L0-L1
745-748	L1-L2
749-752	L2-L3
753-756	L1-L2
757-760	L2-L3
761-764	L0-L1
765-768	L1-L2
769-772	L2-L3
773-776	L1-L2
777-780	L2-L3
781-784	L0-L1
785-788	L1-L2
789-792	L2-L3
793-796	L1-L2
797-800	L2-L3
801-804	L0-L1
805-808	L1-L2
809-812	L2-L3
813-816	L1-L2
817-820	L2-L3
821-824	L0-L1
825-828	L1-L2
829-832	L2-L3
833-836	L1-L2
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845-848	L1-L2
849-852	L2-L3
853-856	L1-L2
857-860	L2-L3
861-864	L0-L1
865-868	L1-L2
869-872	L2-L3
873-876	L1-L2
877-880	L2-L3
881-884	L0-L1
885-888	L1-L2
889-892	L2-L3
893-896	L1-L2
897-900	L2-L3
901-904	L0-L1
905-908	L1-L2
909-912	L2-L3
913-916	L1-L2
917-920	L2-L3
921-924	L0-L1
925-928	L1-L2
929-932	L2-L3
933-936	L1-L2
937-940	L2-L3
941-944	L0-L1
945-948	L1-L2
949-952	L2-L3
953-956	L1-L2
957-960	L2-L3
961-964	L0-L1
965-968	L1-L2
969-972	L2-L3
973-976	L1-L2
977-980	L2-L3
981-984	L0-L1
985-988	L1-L2
989-992	L2-L3
993-996	L1-L2
997-1000	L2-L3



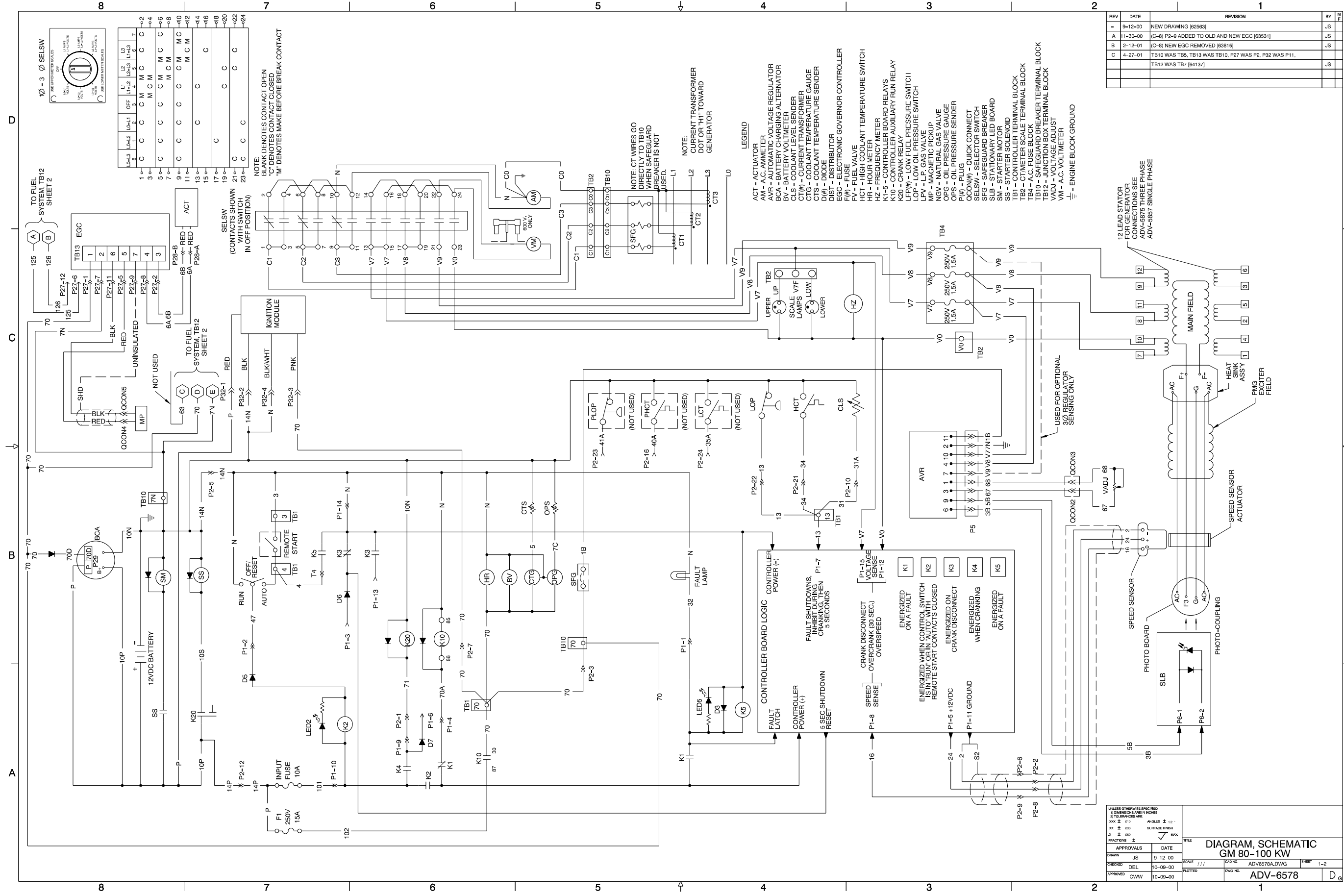
REV	DATE	REVISION	BY	APP
-	9-12-00	NEW DRAWING [62563]	JS	
A	11-30-00	(C-8) P2-B ADDED TO OLD AND NEW EGC [63531]	JS	
B	2-12-01	(C-8) NEW EGC REMOVED [63815]	JS	
C	4-27-01	TB10 WAS TB5, TB13 WAS TB10, P27 WAS P8, P32 WAS P11, TB12 WAS TB7 [64137]	JS	

Decision-Maker™ 3+ Controller, Schematic Diagram, Sheet 1, ADV-6577A-C

REV	DATE	REVISION	BY	APP
-	9-12-00	NEW DRAWING (82943)	JS	
A	11-30-00	SEE SHEET 1 (83831)	JS	
B	2-12-01	SEE SHEET 1 (83815)	JS	
C	4-27-01	TB12 WAS TB7, 70 & 7N ADDED TO TB12 (84137)	JS	

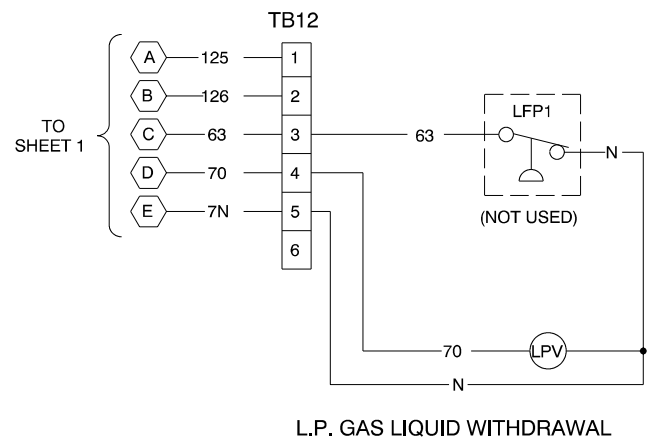
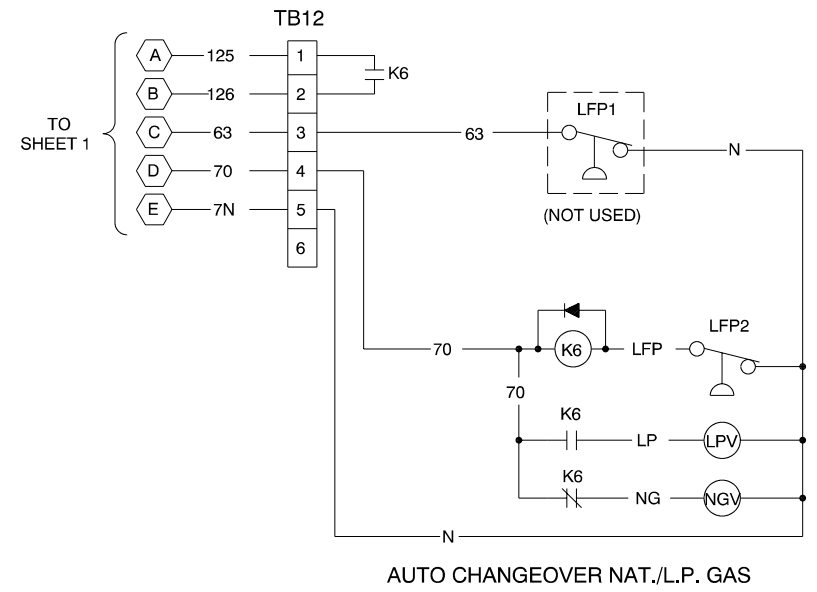
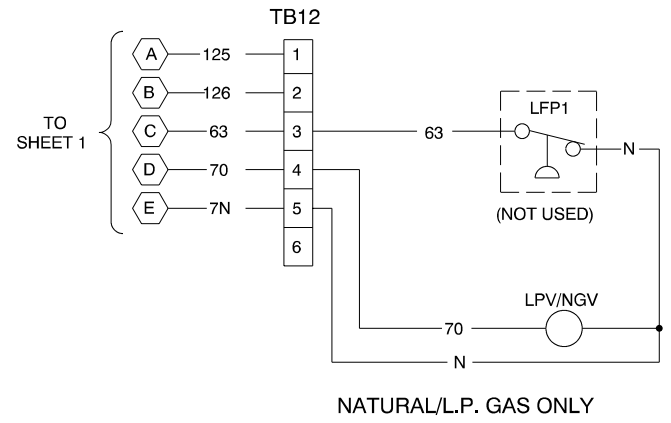


<small>UNLESS OTHERWISE SPECIFIED: 1) DIMENSIONS ARE IN INCHES 2) TOLERANCES ARE: .XXX ± .010 ANGLES ± 1/2° .XX ± .005 SURFACE FINISH .X ± .005 FRACTIONS ± MAX</small>		<small>TITLE</small> DIAGRAM, SCHEMATIC GM 80-100 KW	
<small>APPROVALS</small> DRAWN JS 9-12-00 CHECKED DEL 10-04-00 APPROVED CWW 9-21-00	<small>DATE</small> 9-12-00 10-04-00 9-21-00	<small>SCALE</small> ///	<small>DWG NO.</small> ADV6577B.DWG <small>DWG NO.</small> ADV-6577
		<small>SHEET</small> 2-2	<small>PLOTTED</small> D

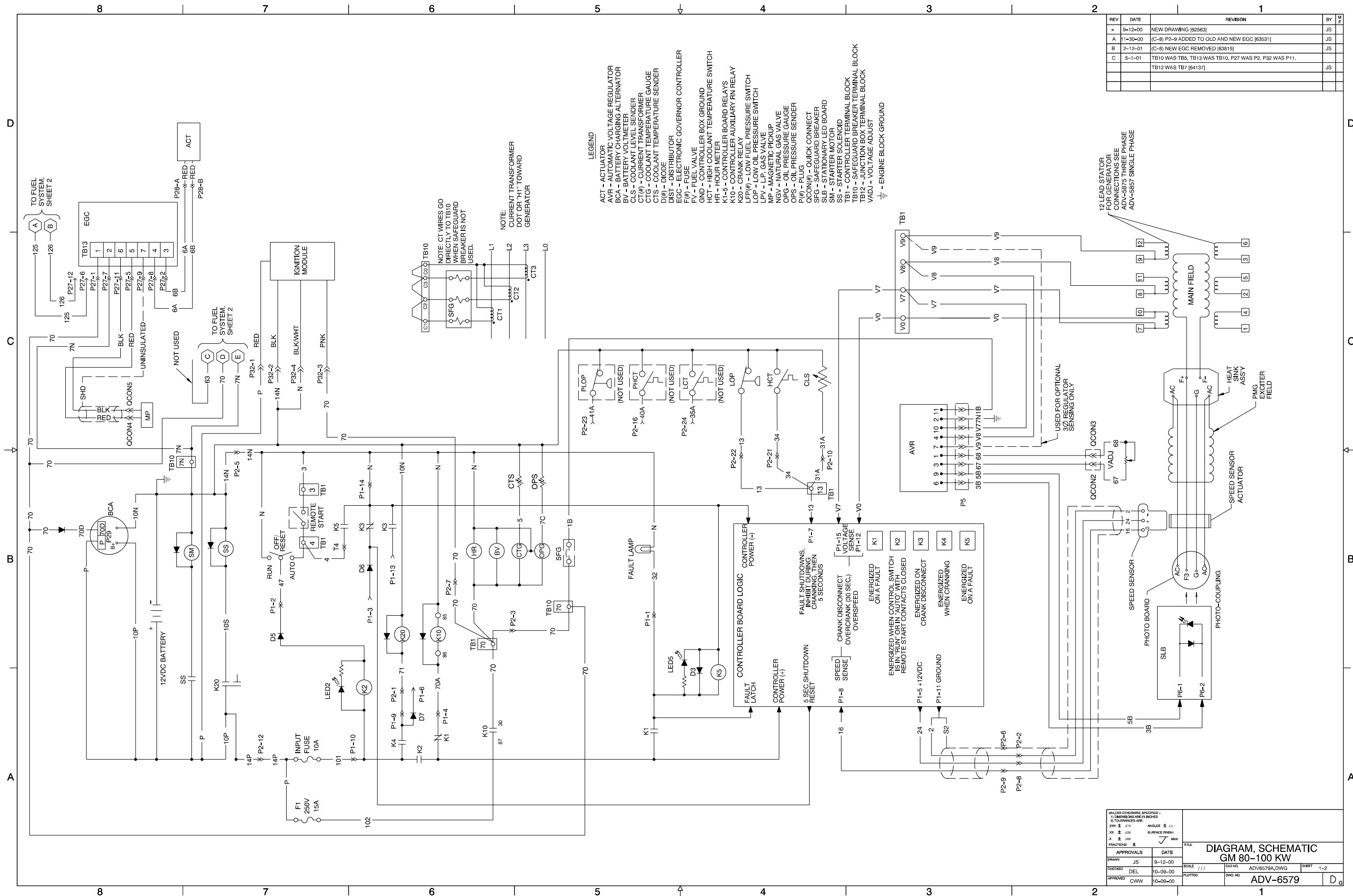


Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Schematic Diagram, Sheet 1, ADV-6578A-C

REV	DATE	REVISION	BY	APP
-	9-12-00	NEW DRAWING (62543)	JS	
A	11-30-00	SEE SHEET 1 [63631]	JS	
B	2-12-01	SEE SHEET 1 [63815]	JS	
C	4-27-01	TB12 WAS TB7, 70 & 7N ADDED TO TB12 [64137]	JS	



<small>UNLESS OTHERWISE SPECIFIED - 1) DIMENSIONS ARE IN INCHES 2) TOLERANCES ARE: .XXX ± .010 ANGLES ± 1/2° .XX ± .005 SURFACE FINISH .X ± .005 FRACTIONS ± MAX</small>		<small>TITLE</small> DIAGRAM, SCHEMATIC GM 80-100 KW	
<small>APPROVALS</small> DRAWN JS CHECKED DEL APPROVED CWW	<small>DATE</small> 9-12-00 10-9-00 9-21-00	<small>SCALE</small> ///	<small>DWG NO.</small> ADV6578B.DWG <small>DWG NO.</small> ADV-6578
		<small>SHEET</small> 2-2	<small>PLOTTED</small> D

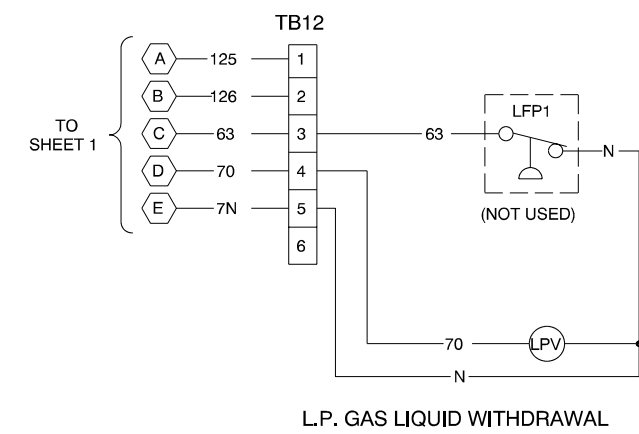
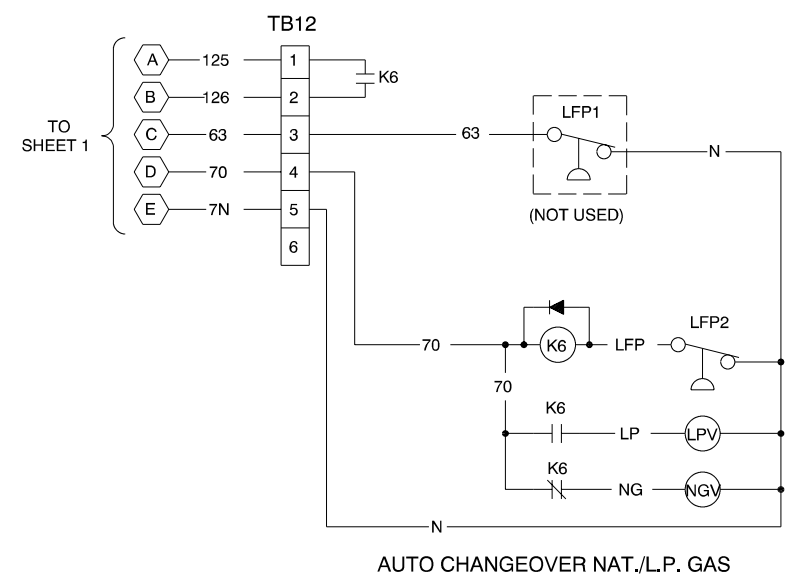
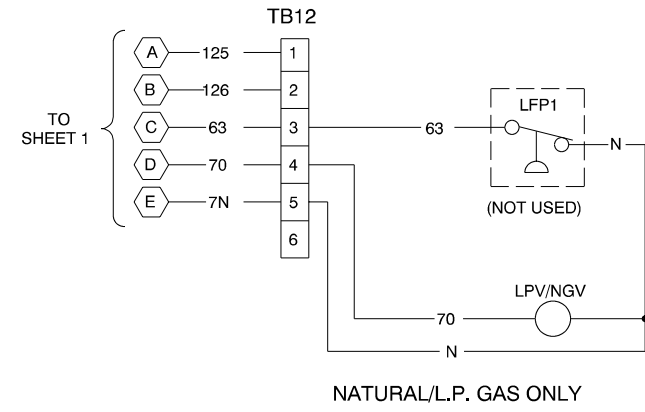


REV	DATE	REVISION	BY	FR
-	9-12-00	NEW DRAWING (82563)	JS	
A	11-30-00	(C-8) P2-8 ADDED TO OLD AND NEW EGC (83631)	JS	
B	2-12-01	(C-8) NEW EGC REMOVED (83815)	JS	
C	5-1-01	TB10 WAS TB5, TB13 WAS TB10, P27 WAS P2, P32 WAS P11, TB12 WAS TB7 (64137)	JS	

<small>UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN INCHES DIMENSIONS ARE</small>		<small>ANGLE ± 1/2° SURFACE FINISH MAX</small>	
<small>APPROVALS</small> DRAWN JS CHECKED DEL APPROVED CWW	<small>DATE</small> 9-12-00 10-09-00 10-09-00	<small>TITLE</small> DIAGRAM, SCHEMATIC GM 80-100 KW	<small>SCALE</small> 1:1
<small>DWG NO.</small> ADV-6579A		<small>SHEET</small> 1-2	<small>DWG NO.</small> ADV-6579

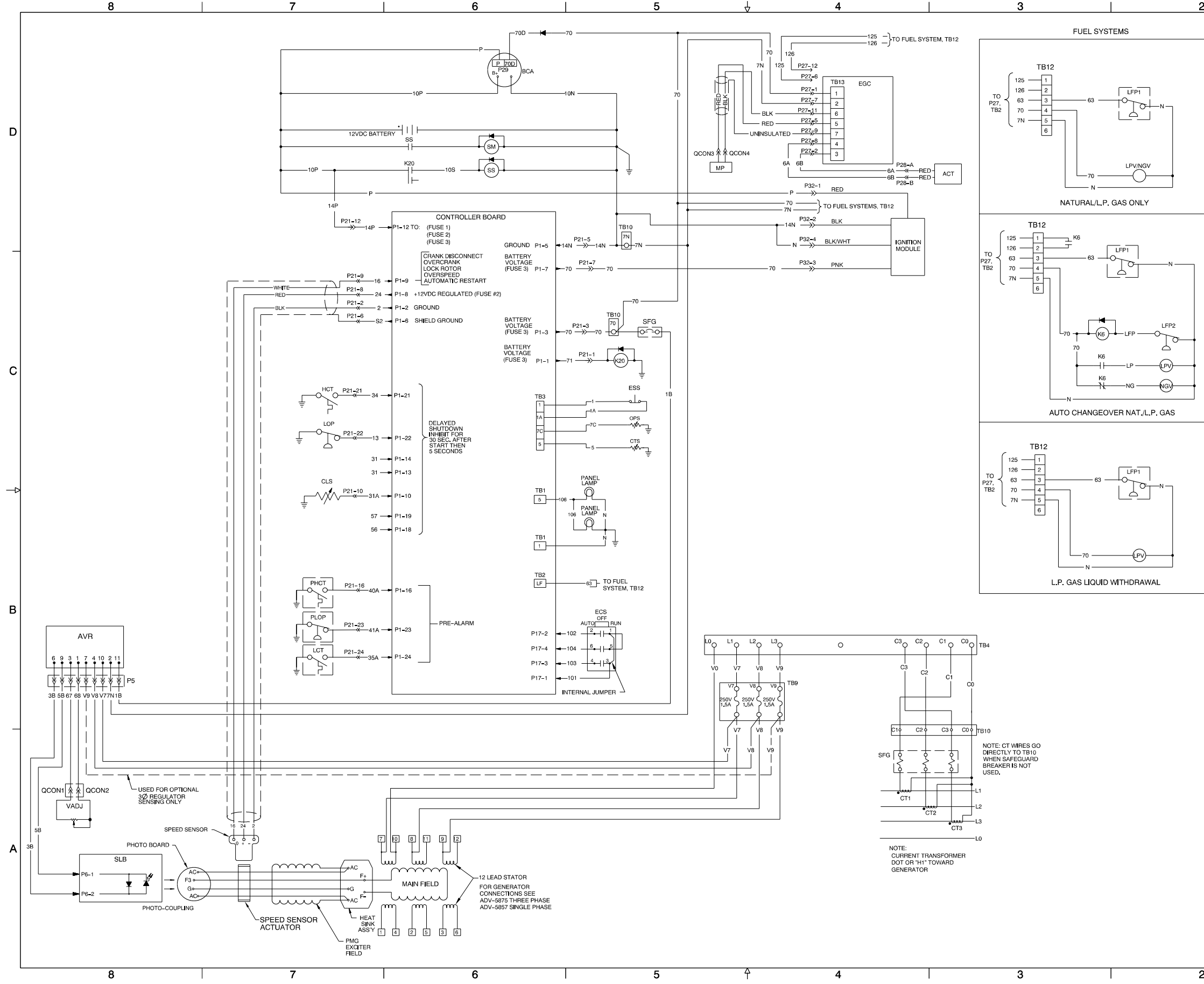
Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Schematic Diagram, Sheet 1, ADV-6579A-C

REV	DATE	REVISION	BY	APP
-	9-12-00	NEW DRAWING (82943)	JS	
A	11-30-00	SEE SHEET 1 (83831)	JS	
B	2-12-01	SEE SHEET 1 (83815)	JS	
C	5-1-01	TB12 WAS TB7, 70 & 7N ADDED TO TB12 (84137)	JS	



APPROVALS		DATE	TITLE	
DRAWN	JS	9-12-00	DIAGRAM, SCHEMATIC GM 80-100 KW	
CHECKED	DEL	10-05-00	SCALE	///
APPROVED	CWW	9-21-00	DWG NO.	ADV-6579
			SHEET	2-2
			DWG NO.	ADV-6579
			PLOTTED	

REV	DATE	REVISION	BY	APP
-	9-12-00	NEW DRAWING (62563)	JS	
A	11-30-00	(D-4) P2-9 ADDED TO OLD AND NEW EGC; (C-5) P21-5 AND P21-7 ADDED (63531)	JS	
B	2-12-01	(D-4) NEW EGC REMOVED (63815)	JS	
C	4-24-01	(B,C,D-3) 70 & 7N ADDED TO TB12, TB10 WAS TB5, TB13 WAS TB10, P27 WAS P2, P32 WAS P11, TB12 WAS TB7 (64137)	JS	



- LEGEND**
- ACT - ACTUATOR
 - AVR - AUTOMATIC VOLTAGE REGULATOR
 - BCA - BATTERY CHARGING ALTERNATOR
 - CLS - COOLANT LEVEL SENDER
 - CT(#) - CURRENT TRANSFORMER
 - CTS - COOLANT TEMPERATURE SENDER
 - DIST - DISTRIBUTOR
 - ECS - ENGINE CONTROL SWITCH
 - EGC - ELECTRONIC GOVERNOR CONTROLLER
 - ESS - EMERGENCY STOP SWITCH
 - FV - FUEL VALVE
 - HCT - HIGH COOLANT TEMPERATURE SWITCH
 - K6 - AUTO FUEL CHANGE OVER RELAY
 - K20 - CRANK RELAY
 - LCT - LOW COOLANT TEMPERATURE SWITCH
 - LFP(#)- LOW FUEL PRESSURE SWITCH
 - LPV - L.P. GAS VALVE
 - MP - MAGNETIC PICKUP
 - NGV - NATURAL GAS VALVE
 - OPS - OIL PRESSURE SENDER
 - P(#)- PLUG
 - PHCT - PRELIMINARY HIGH COOLANT TEMPERATURE SWITCH
 - PLOP - PRELIMINARY LOW OIL PRESSURE SENDER
 - QCON(#)- QUICK CONNECT
 - SFG - SAFEGUARD BREAKER
 - SLB - STATIONARY LED BOARD
 - SM - STARTER MOTOR
 - SS - STARTER SOLENOID
 - TB1-3 - CONTROLLER BOARD TERMINAL BLOCK
 - TB9 - A.C. FUSE BLOCK
 - TB10 - SAFEGUARD BREAKER TERMINAL BLOCK
 - TB12 - JUNCTION BOX TERMINAL BLOCK
 - VADJ - VOLTAGE ADJUST
 - ⊞ - ENGINE BLOCK GROUND

APPROVALS		DATE	TITLE	
DRAWN	JS	9-12-00	DIAGRAM, SCHEMATIC GM 80-100 KW	
CHECKED	DEL	10-09-00	SCALE	///
APPROVED	CWW	10-09-00	PLOTTED	
ADV-6580			DWG NO.	ADV6580A.DWG
			SHEET	1-2

Decision-Maker™ 340 Controller, Schematic Diagram, Sheet 1, ADV-6580A-C

REV	DATE	REVISION	BY	APP
-	9-12-00	NEW DRAWING (R2563)	LDS	
A	11-30-00	SEE SHEET 1 (R3531)	JS	
B	2-12-01	SEE SHEET 1 (R3815)	JS	
C	4-25-01	SEE SHEET 1 (R4137)	JS	

INTERCONNECT BOARD

OUTPUT CONNECTIONS

- TB1-1 ENGINE GROUND
- TB1-2 ENGINE GROUND
- TB1-3 ENGINE GROUND
- TB1-4 ENGINE GROUND
- TB1-5 PANEL LAMP OUTPUT
- TB1-6 RDO-10
- TB1-7 RDO-9
- TB1-8 RDO-7
- TB1-9 RDO-5
- TB1-10 NIA RELAY OUTPUT (80)
- TB1-11 OVERCRANK RELAY OUTPUT (12)
- TB1-12 LOW BATTERY VOLTAGE RELAY OUTPUT (62)
- TB1-13 LOW ENGINE TEMPERATURE RELAY OUTPUT (35)
- TB1-14 LOW OIL PRESSURE RELAY OUTPUT (38)
- TB1-15 HIGH ENGINE TEMPERATURE RELAY OUTPUT (36)
- TB1-16 LOW OIL PRESSURE WARNING RELAY OUTPUT (41)
- TB1-17 HIGH ENGINE TEMPERATURE WARNING RELAY OUTPUT (40)
- TB1-18 42A
- TB1-19 42A
- TB1-20 42A
- TB1-21 DVR DOWN VOLTAGE ADJUSTMENT
- TB1-22 DVR COMMON VOLTAGE ADJUSTMENT
- TB1-23 DVR UP VOLTAGE ADJUSTMENT
- TB1-24 RDO-8
- TB1-25 RDO-6
- TB1-26 RDO-4
- TB1-27 RDO-3
- TB1-28 RDO-2
- TB1-29 RDO-1
- TB1-30 SYSTEM READY RELAY OUTPUT (60)
- TB1-31 E-STOP RELAY OUTPUT (48)
- TB1-32 BATTERY CHARGER FAULT RELAY OUTPUT (61)
- TB1-33 LOW FUEL RELAY OUTPUT (63)
- TB1-34 OVERSPEED RELAY OUTPUT (39)

AC INPUT CONNECTIONS

- TB4-1 L0 (V0)
- TB4-2 L1 (V7)
- TB4-3 L2 (V8)
- TB4-4 L3 (V9)
- TB4-5
- TB4-6 C3
- TB4-7 C2
- TB4-8 C1
- TB4-9 C0

INPUT CONNECTIONS

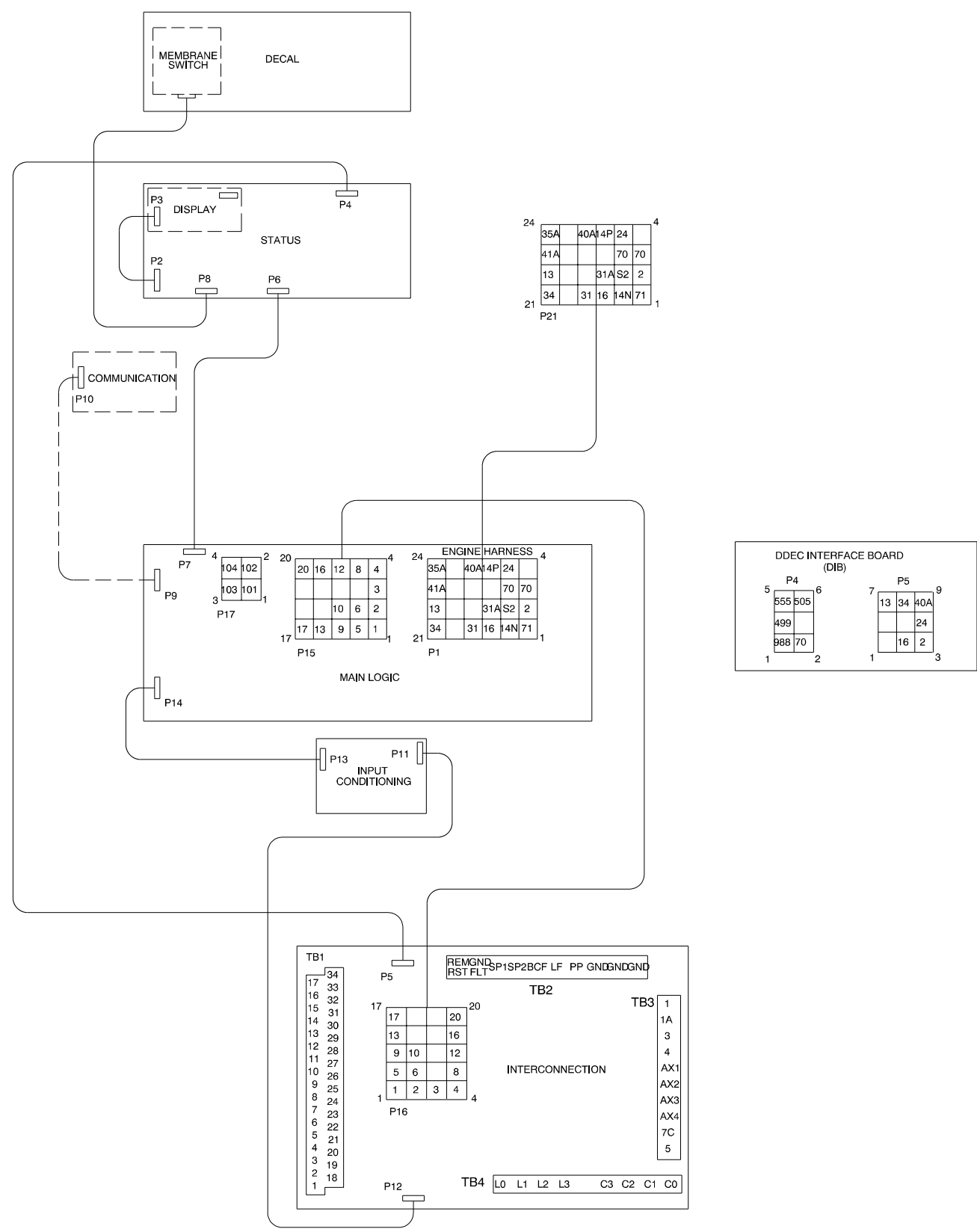
- TB2-1 REMOTE RESET *
- TB2-2 GROUND FAULT *
- TB2-3 NOT USED
- TB2-4 NOT USED
- TB2-5 BATTERY CHARGER FAULT *
- TB2-6 LOW FUEL *
- TB2-7 PRIME POWER MODE *
- TB2-8 ENGINE GROUND
- TB2-9 ENGINE GROUND
- TB2-10 ENGINE GROUND
- TB3-1 E-STOP GROUND (1)
- TB3-2 E-STOP (1A)
- TB3-3 REMOTE START (3)
- TB3-4 REMOTE START (4)
- TB3-5 AUXILIARY 1 *
- TB3-6 AUXILIARY 2 *
- TB3-7 AUXILIARY 3 *
- TB3-8 AUXILIARY 4 *
- TB3-9 OIL PRESSURE SENDING UNIT (7C)
- TB3-10 COOLANT TEMPERATURE SENDING UNIT (5)

P1 CONNECTIONS (ENGINE TO MICRO BOARD)

POSITIONS

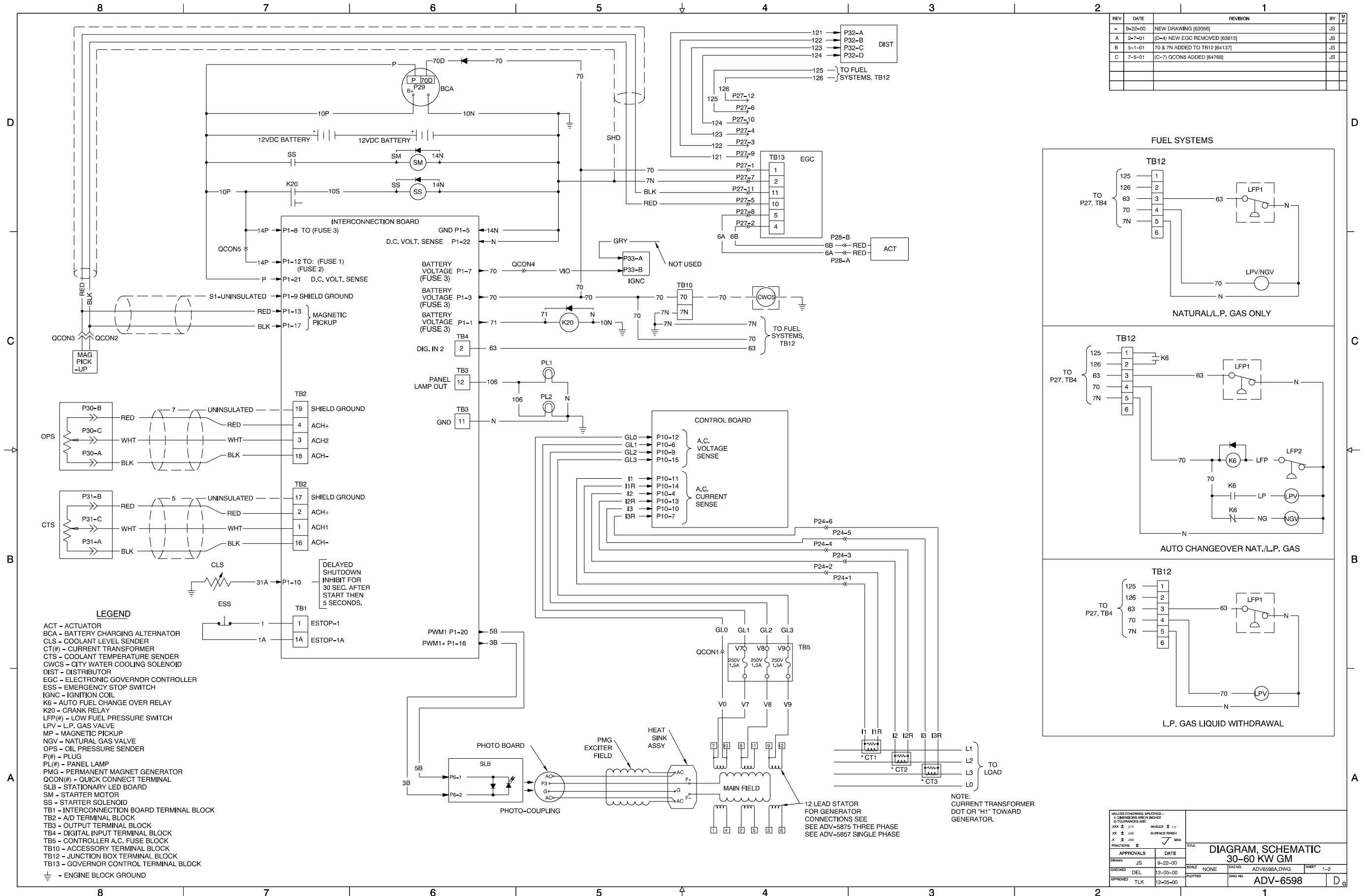
- 1 ENGINE CRANK (71)
- 2 SPEED SENSOR GROUND (2)
- 3 SAFEGUARD BREAKER (70)
- 4 B.C. ALTERNATOR FLASHING
- 5 STARTER MOTOR GROUND (14N)
- 6 SPEED SENSOR SHIELD (S2)
- 7 ENGINE RUN (70)
- 8 V+ SPEED SENSOR (24)
- 9 SPEED SENSOR SIGNAL (16)
- 10 LOW COOLANT LEVEL PTC (31A)
- 11 NOT USED
- 12 BATTERY + (14P)
- 13 HIGH OIL TEMPERATURE SWITCH INPUT (31) *
- 14 LOW COOLANT LEVEL SWITCH INPUT (31) *
- 15 NOT USED
- 16 HIGH COOLANT TEMPERATURE WARNING SWITCH INPUT (40A) *
- 17 NOT USED
- 18 AIR DAMPER SWITCH INPUT (56) *
- 19 AIR DAMPER SWITCH OUTPUT (57)
- 20 NOT USED
- 21 HIGH COOLANT TEMPERATURE SWITCH INPUT (34) *
- 22 LOW OIL PRESSURE SWITCH INPUT (13) *
- 23 LOW OIL PRESSURE WARNING SWITCH INPUT (41A) *
- 24 LOW COOLANT TEMPERATURE SWITCH INPUT (35A) *

* GROUND TO ACTIVATE



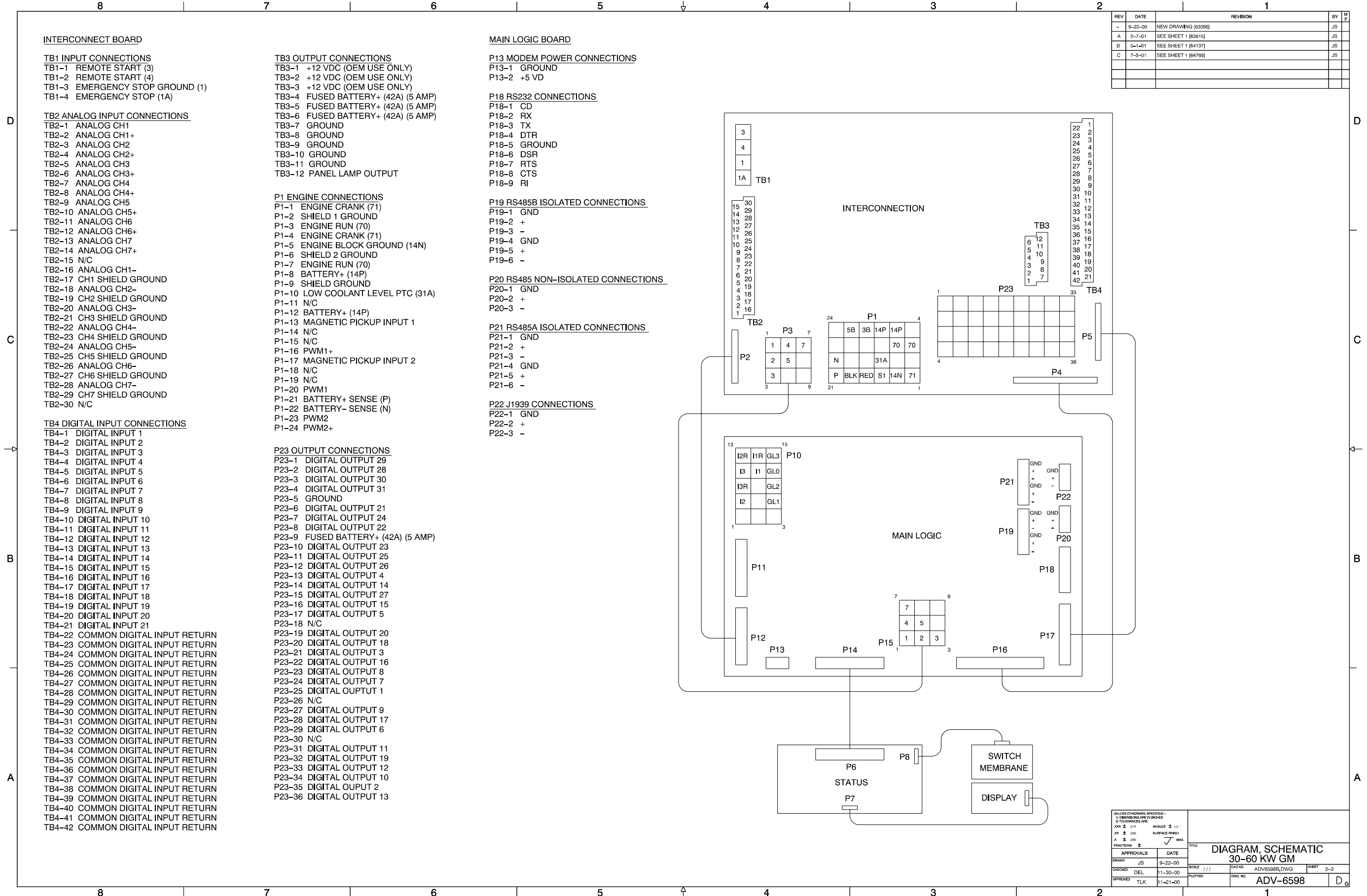
APPROVALS		DATE	SCALE	DWG. NO.	SHEET
DRAWN	JS	9-12-00	///	ADV6580B.DWG	2-2
CHECKED	DEL	10-10-00			
APPROVED	CWW	10-09-00		ADV-6580	D

REV	DATE	REVISION	BY	APP
-	9-22-00	NEW DRAWING (83056)	JS	
A	9-7-01	(D-4) NEW EGC REMOVED (63815)	JS	
B	5-1-01	70 & 7N ADDED TO TB12 (64137)	JS	
C	7-5-01	(C-7) QCONS ADDED (64768)	JS	



Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 1, ADV-6598A-C

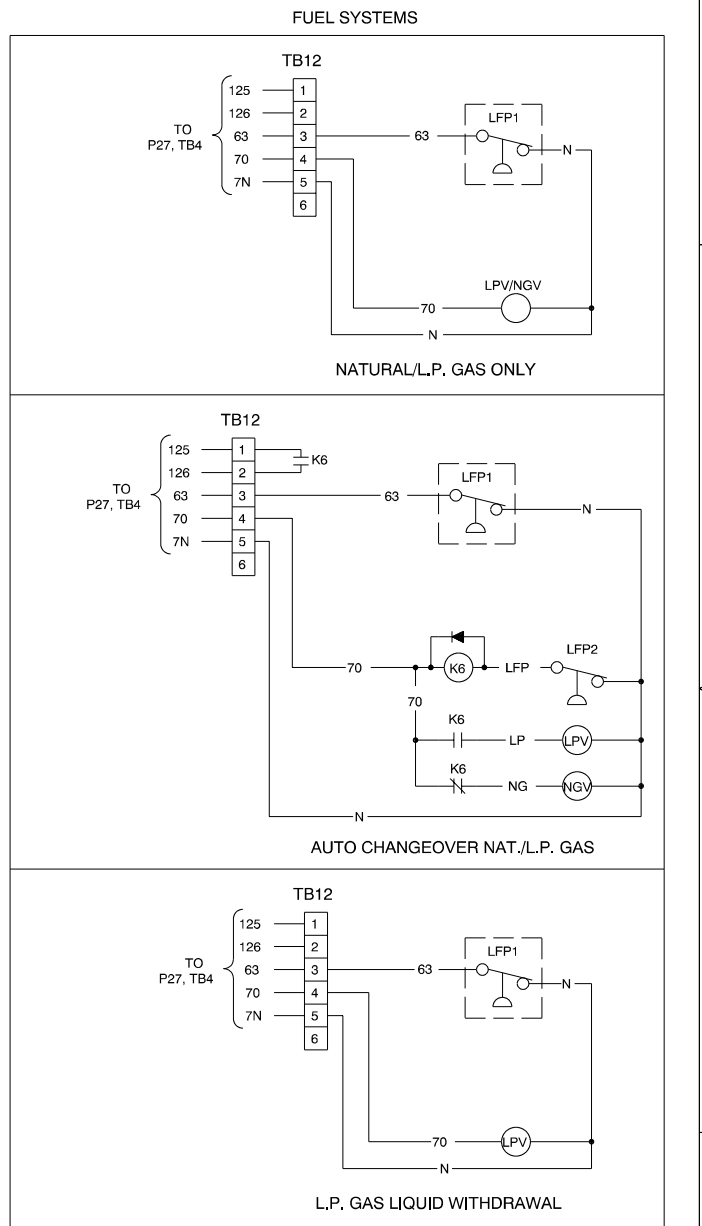
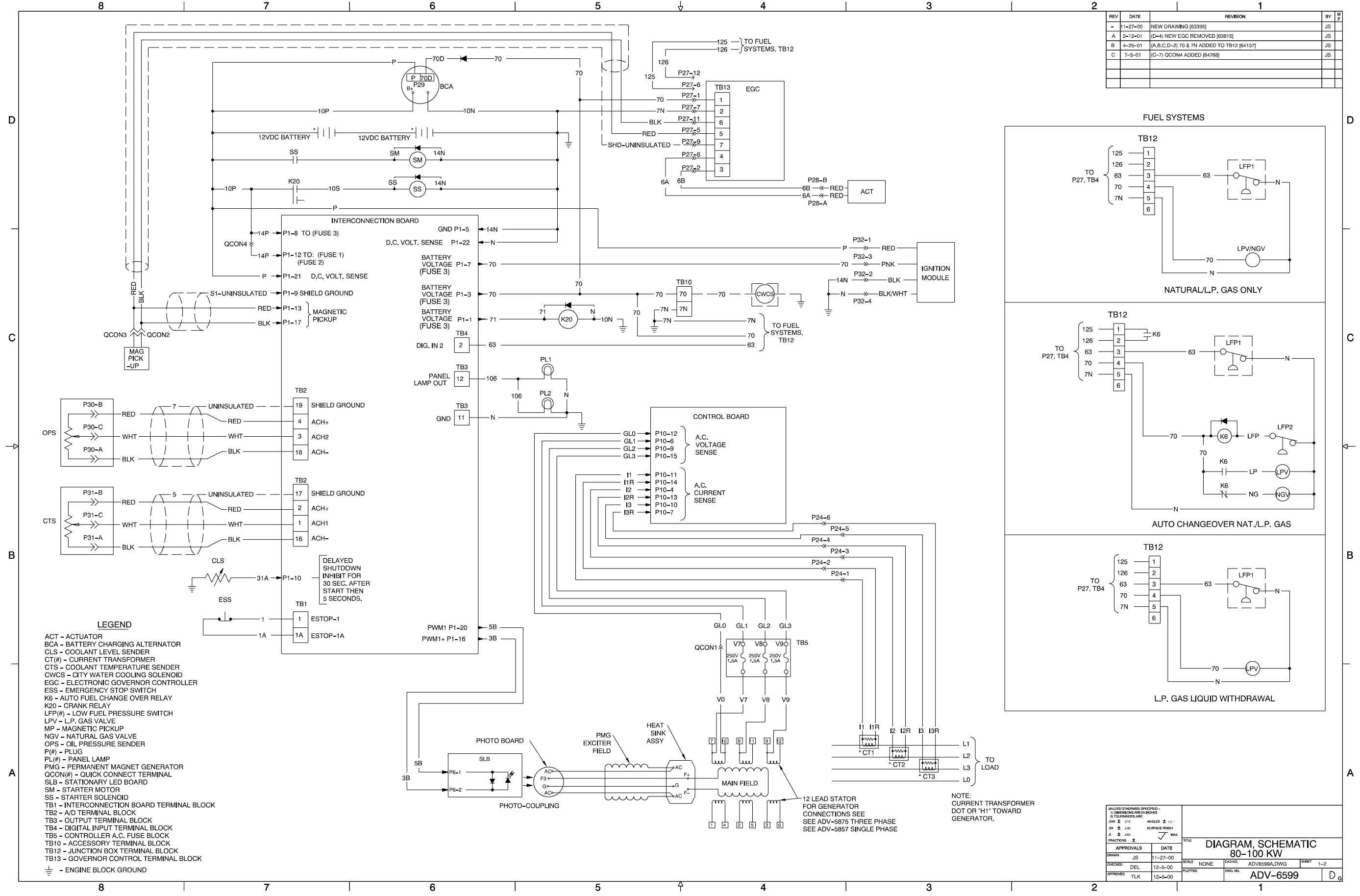
REV	DATE	REVISION	BY	APP
-	9-22-00	NEW DRAWING [R3056]	JS	
A	2-7-01	SEE SHEET 1 [R3815]	JS	
B	5-1-01	SEE SHEET 1 [R4137]	JS	
C	7-5-01	SEE SHEET 1 [R4788]	JS	



APPROVALS	DATE	TITLE
JS	9-22-00	DIAGRAM, SCHEMATIC 30-60 KW GM
DEL	11-30-00	
TLK	11-21-00	

Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 2, ADV-6598B-C

REV	DATE	REVISION	BY	APP
-	11-27-00	NEW DRAWING (83395)	JS	
A	2-12-01	(D-4) NEW EGC REMOVED (63815)	JS	
B	4-25-01	(A,B,C,D-2) 70 & 7N ADDED TO TB12 (64137)	JS	
C	7-5-01	(C-7) QCON4 ADDED (64768)	JS	

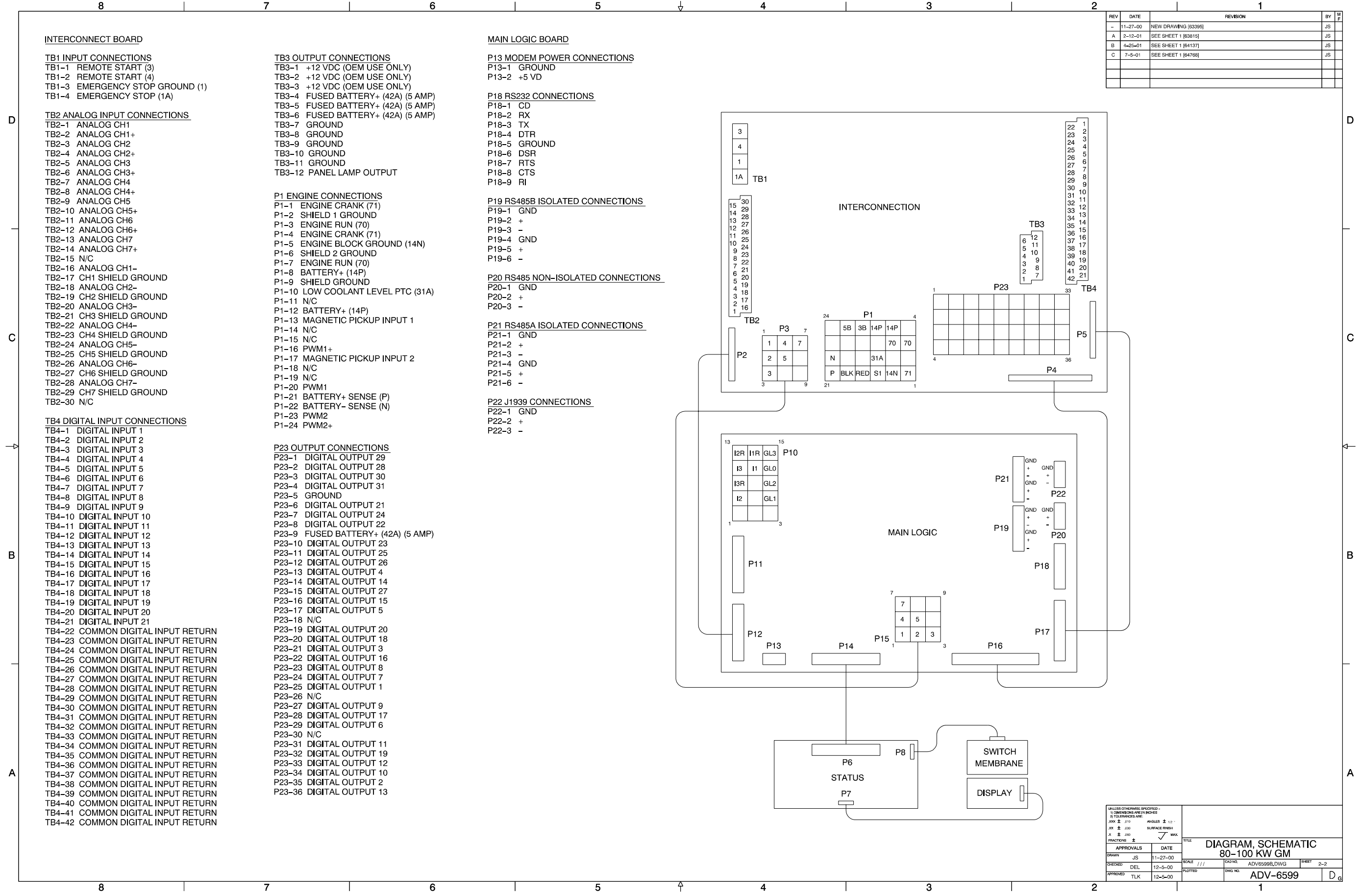


- LEGEND**
- ACT - ACTUATOR
 - BCA - BATTERY CHARGING ALTERNATOR
 - CLS - COOLANT LEVEL SENDER
 - CT(#)- CURRENT TRANSFORMER
 - CTS - COOLANT TEMPERATURE SENDER
 - CWCS - CITY WATER COOLING SOLENOID
 - EGC - ELECTRONIC GOVERNOR CONTROLLER
 - ESS - EMERGENCY STOP SWITCH
 - K6 - AUTO FUEL CHANGE OVER RELAY
 - K20 - CRANK RELAY
 - LFP(#)- LOW FUEL PRESSURE SWITCH
 - LPV - L.P. GAS VALVE
 - MP - MAGNETIC PICKUP
 - NGV - NATURAL GAS VALVE
 - OPS - OIL PRESSURE SENDER
 - P(#)- PLUG
 - PL(#)- PANEL LAMP
 - PMG - PERMANENT MAGNET GENERATOR
 - QCON(#)- QUICK CONNECT TERMINAL
 - SLB - STATIONARY LED BOARD
 - SM - STARTER MOTOR
 - SS - STARTER SOLENOID
 - TB1 - INTERCONNECTION BOARD TERMINAL BLOCK
 - TB2 - A/D TERMINAL BLOCK
 - TB3 - OUTPUT TERMINAL BLOCK
 - TB4 - DIGITAL INPUT TERMINAL BLOCK
 - TB5 - CONTROLLER A.C. FUSE BLOCK
 - TB10 - ACCESSORY TERMINAL BLOCK
 - TB12 - JUNCTION BOX TERMINAL BLOCK
 - TB13 - GOVERNOR CONTROL TERMINAL BLOCK
 - ⏏ - ENGINE BLOCK GROUND

APPROVALS		DATE	TITLE	
DRAWN	JS	11-27-00	DIAGRAM, SCHEMATIC 80-100 KW	
CHECKED	DEL	12-5-00	SCALE	NONE
APPROVED	TLK	12-5-00	DWG NO.	ADV-6599

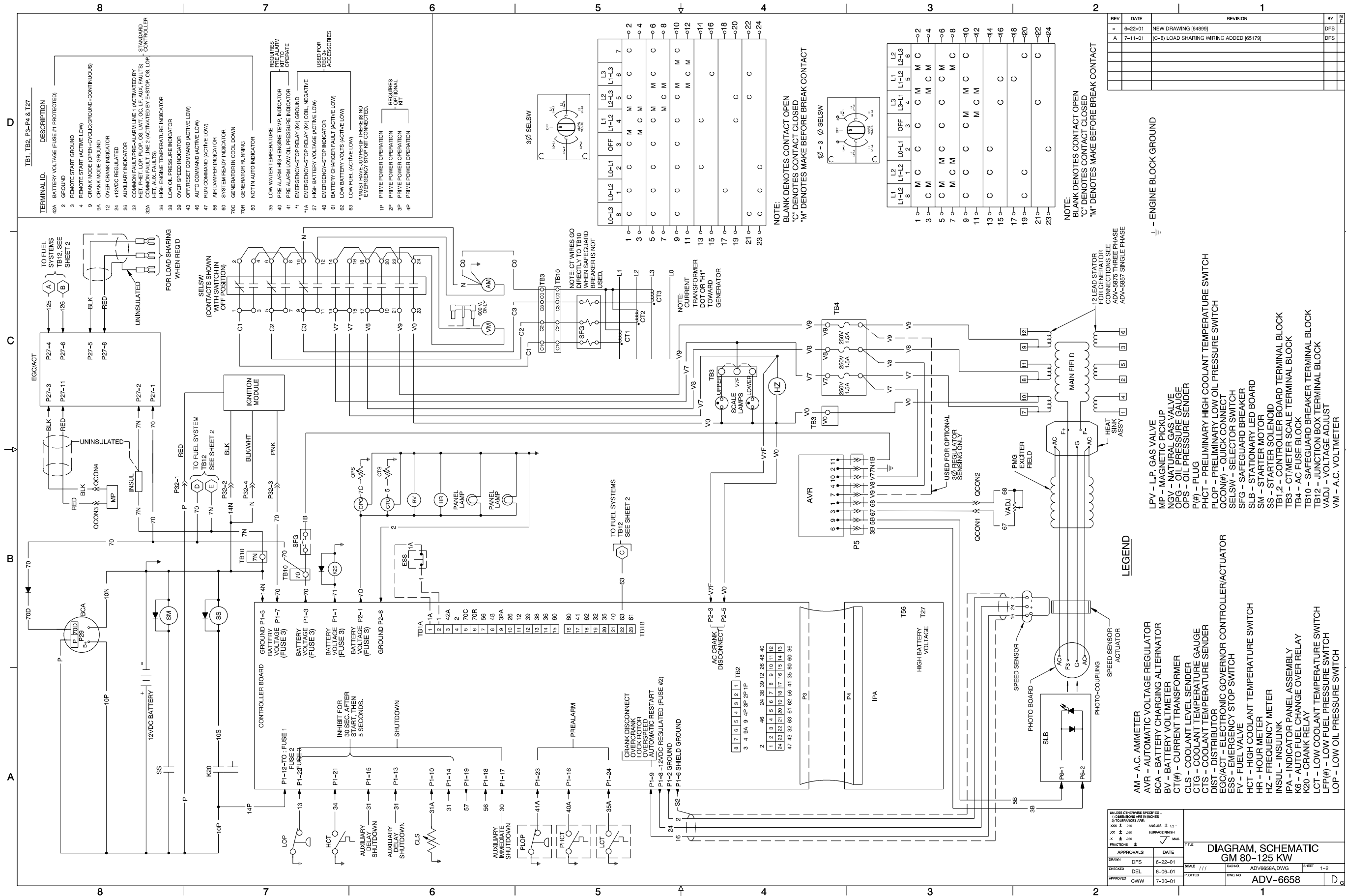
Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 1, ADV-6599A-C

REV	DATE	REVISION	BY	APP
-	11-27-00	NEW DRAWING [63395]	JS	
A	2-12-01	SEE SHEET 1 [63815]	JS	
B	4-25-01	SEE SHEET 1 [64137]	JS	
C	7-5-01	SEE SHEET 1 [64768]	JS	



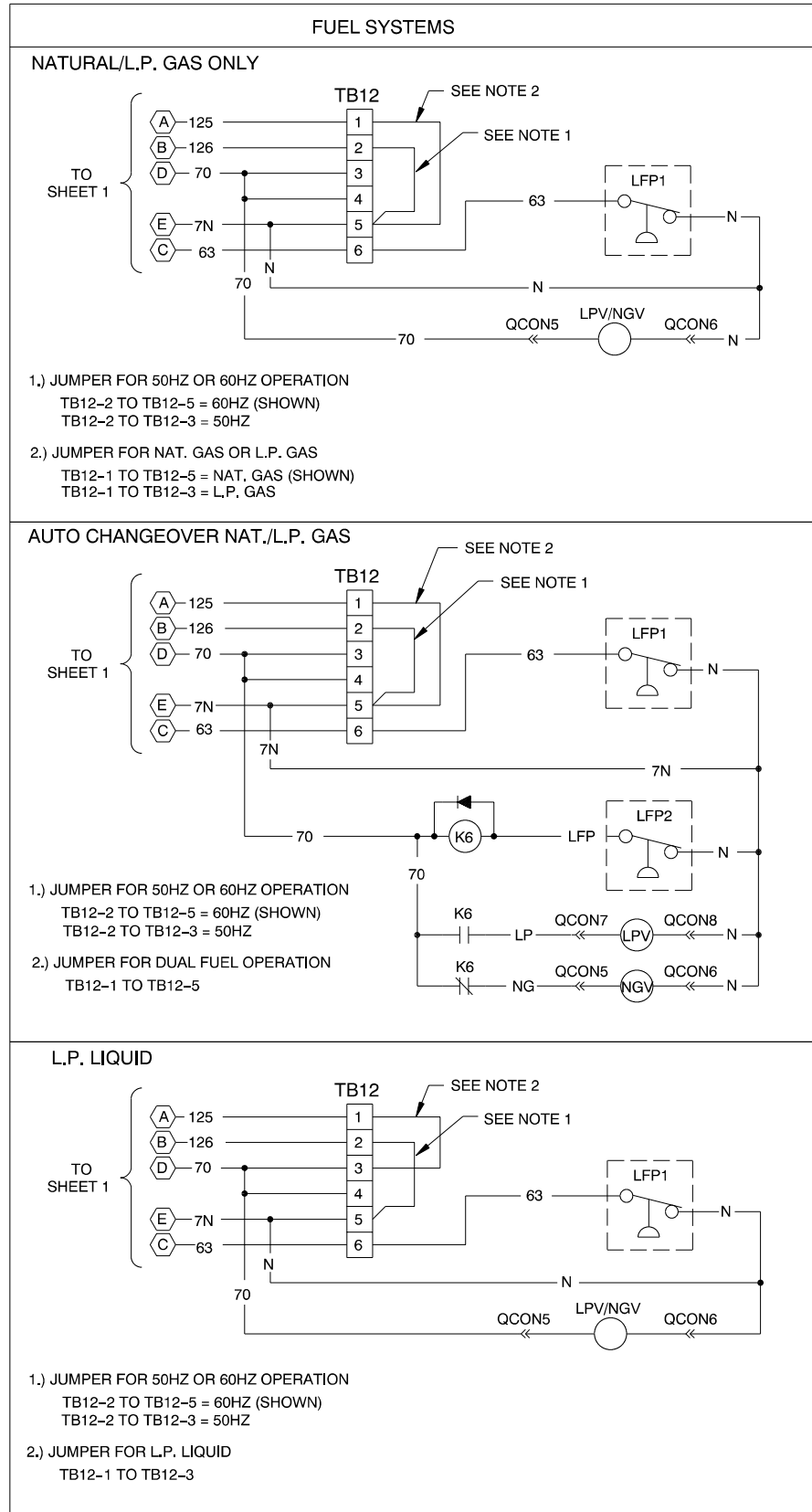
APPROVALS		DATE	SCALE	DWG. NO.	SHEET
DRAWN	JS	11-27-00	///	ADV6599B.DWG	2-2
CHECKED	DEL	12-5-00			
APPROVED	TLK	12-5-00			

Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 2, ADV-6599B-C

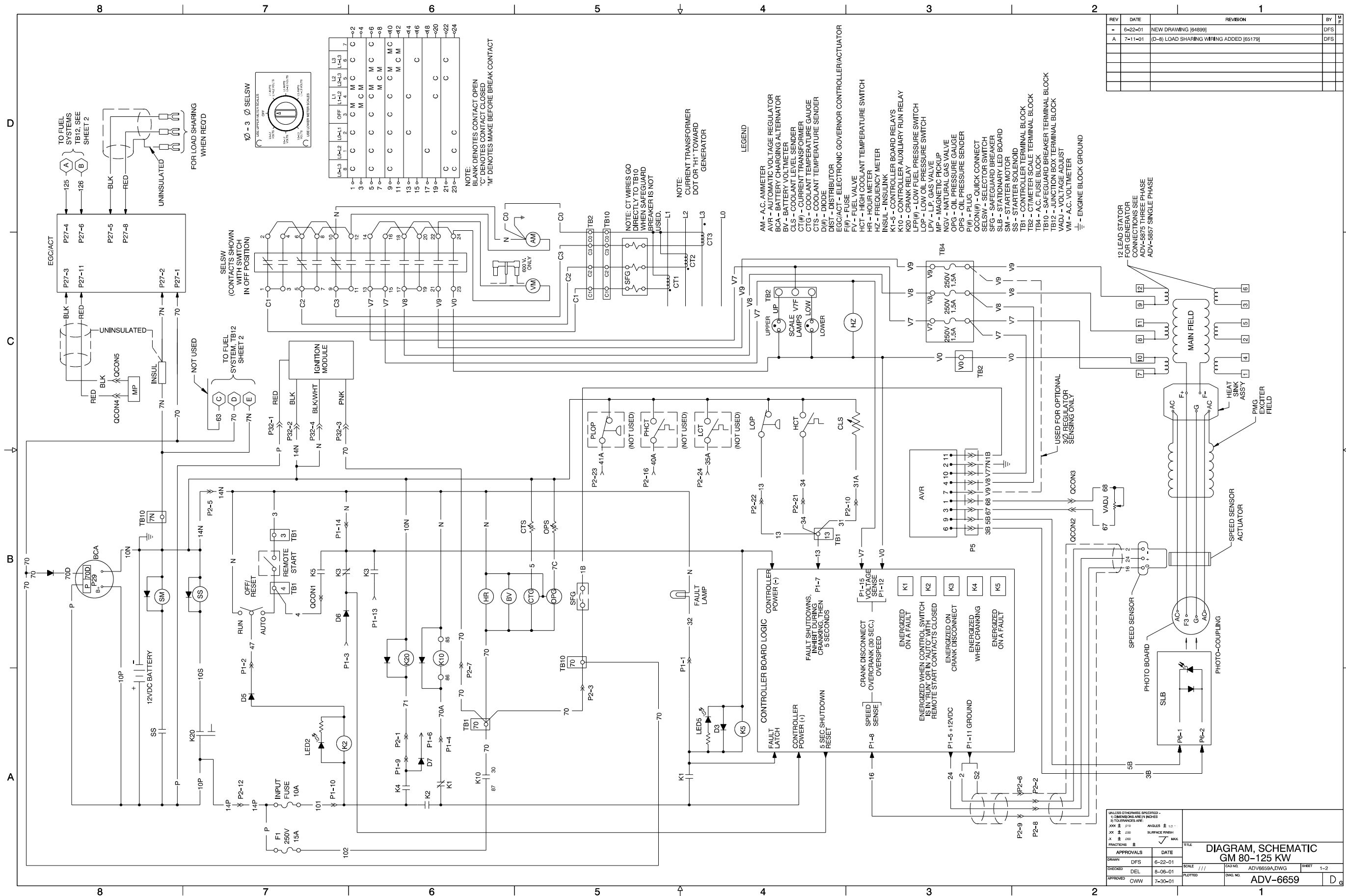


Decision-Maker™ 3+ Controller, Schematic Diagram, Sheet 1, ADV-6658A-A

REV	DATE	REVISION	BY	WF
-	6-22-01	NEW DRAWING (04899)	DFS	
A	7-11-01	SEE SHEET 1 OF 2 (85179)	DFS	



<small>UNLESS OTHERWISE SPECIFIED - 1) DIMENSIONS ARE IN INCHES 2) TOLERANCES ARE: .XXX ± .010 ANGLES ± 1/2° .XX ± .005 SURFACE FINISH .X ± .005 FRACTIONS ± MAX</small>		TITLE DIAGRAM, SCHEMATIC GM 80-125 KW	
APPROVALS DRAWN DFS CHECKED DEL APPROVED CWW	DATE 6-22-01 8-06-01 7-30-01	SCALE ///	DWG. NO. ADV6658B.DWG DWG. NO. ADV-6658
		SHEET 2-2	DWG. NO. ADV-6658

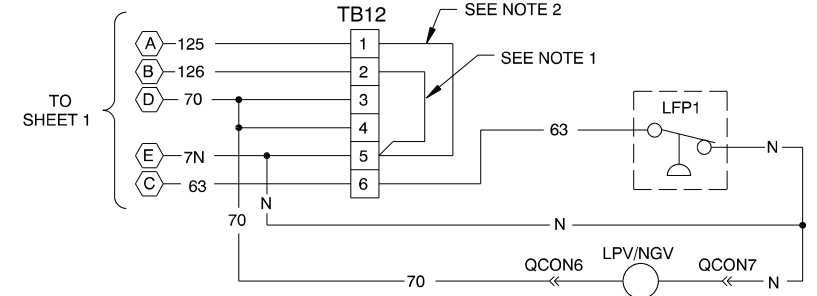


Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Schematic Diagram, Sheet 1, ADV-6659A-A

REV	DATE	REVISION	BY	WF
-	6-22-01	NEW DRAWING (04899)	DFS	
A	7-11-01	SEE SHEET 1 OF 2 (85179)	DFS	

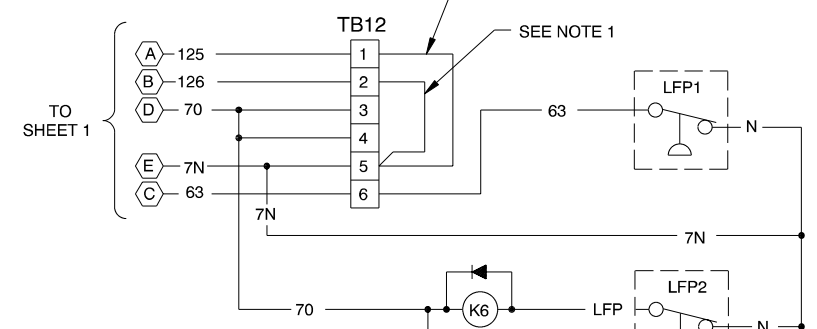
FUEL SYSTEMS

NATURAL/L.P. GAS ONLY



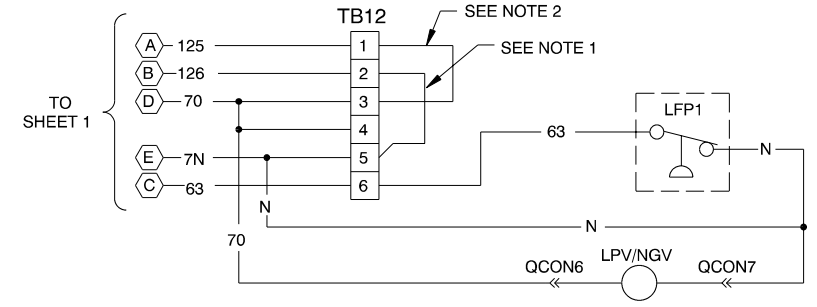
- 1.) JUMPER FOR 50HZ OR 60HZ OPERATION
TB12-2 TO TB12-5 = 60HZ (SHOWN)
TB12-2 TO TB12-3 = 50HZ
- 2.) JUMPER FOR NAT. GAS OR L.P. GAS
TB12-1 TO TB12-5 = NAT. GAS (SHOWN)
TB12-1 TO TB12-3 = L.P. GAS

AUTO CHANGEOVER NAT./L.P. GAS



- 1.) JUMPER FOR 50HZ OR 60HZ OPERATION
TB12-2 TO TB12-5 = 60HZ (SHOWN)
TB12-2 TO TB12-3 = 50HZ
- 2.) JUMPER FOR DUAL FUEL OPERATION
TB12-1 TO TB12-5

L.P. LIQUID



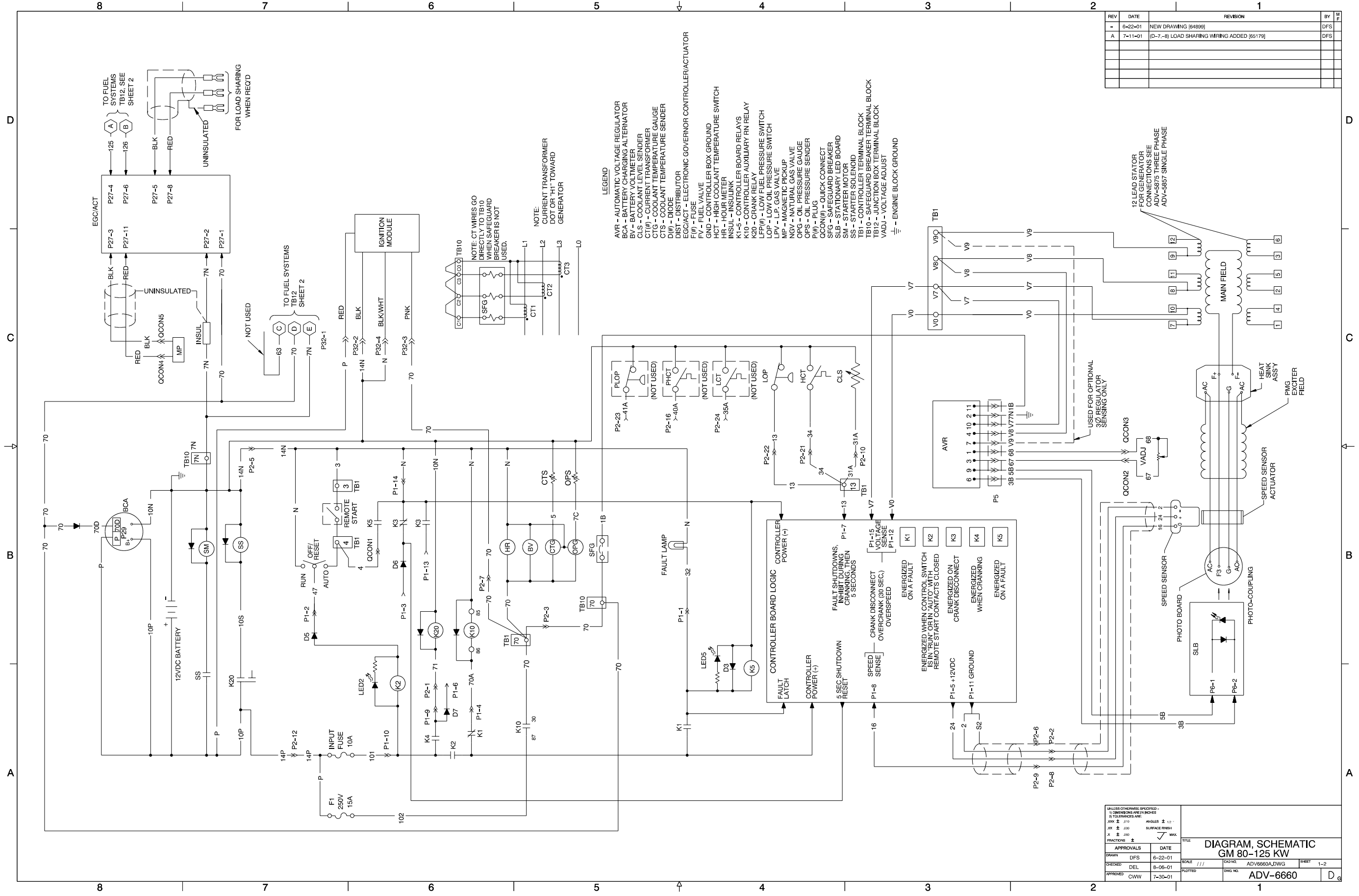
- 1.) JUMPER FOR 50HZ OR 60HZ OPERATION
TB12-2 TO TB12-5 = 60HZ (SHOWN)
TB12-2 TO TB12-3 = 50HZ
- 2.) JUMPER FOR L.P. LIQUID
TB12-1 TO TB12-3

<small>UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN INCHES DIMENSIONS ARE</small>		<small>ANGLES ± 1/2° SURFACE FINISH FRACTIONS ±</small>		TITLE DIAGRAM, SCHEMATIC GM 80-125 KW	
<small>APPROVALS</small> DFS	<small>DATE</small> 6-22-01	<small>SCALE</small> 1/1	<small>DWG NO.</small> ADV6659B.DWG	<small>SHEET</small> 2-2	<small>REV</small> A
<small>CHECKED</small> DEL	<small>DATE</small> 8-06-01	<small>PLOTTED</small> CWW	<small>DWG NO.</small> ADV-6659	<small>SHEET</small> 2-2	<small>REV</small> A
<small>APPROVED</small> CWW	<small>DATE</small> 7-30-01	<small>PLOTTED</small> CWW	<small>DWG NO.</small> ADV-6659	<small>SHEET</small> 2-2	<small>REV</small> A

REV	DATE	REVISION	BY	APP
-	6-22-01	NEW DRAWING (84899)	DFS	
A	7-11-01	(D-7-8) LOAD SHARING WIRING ADDED (85179)	DFS	

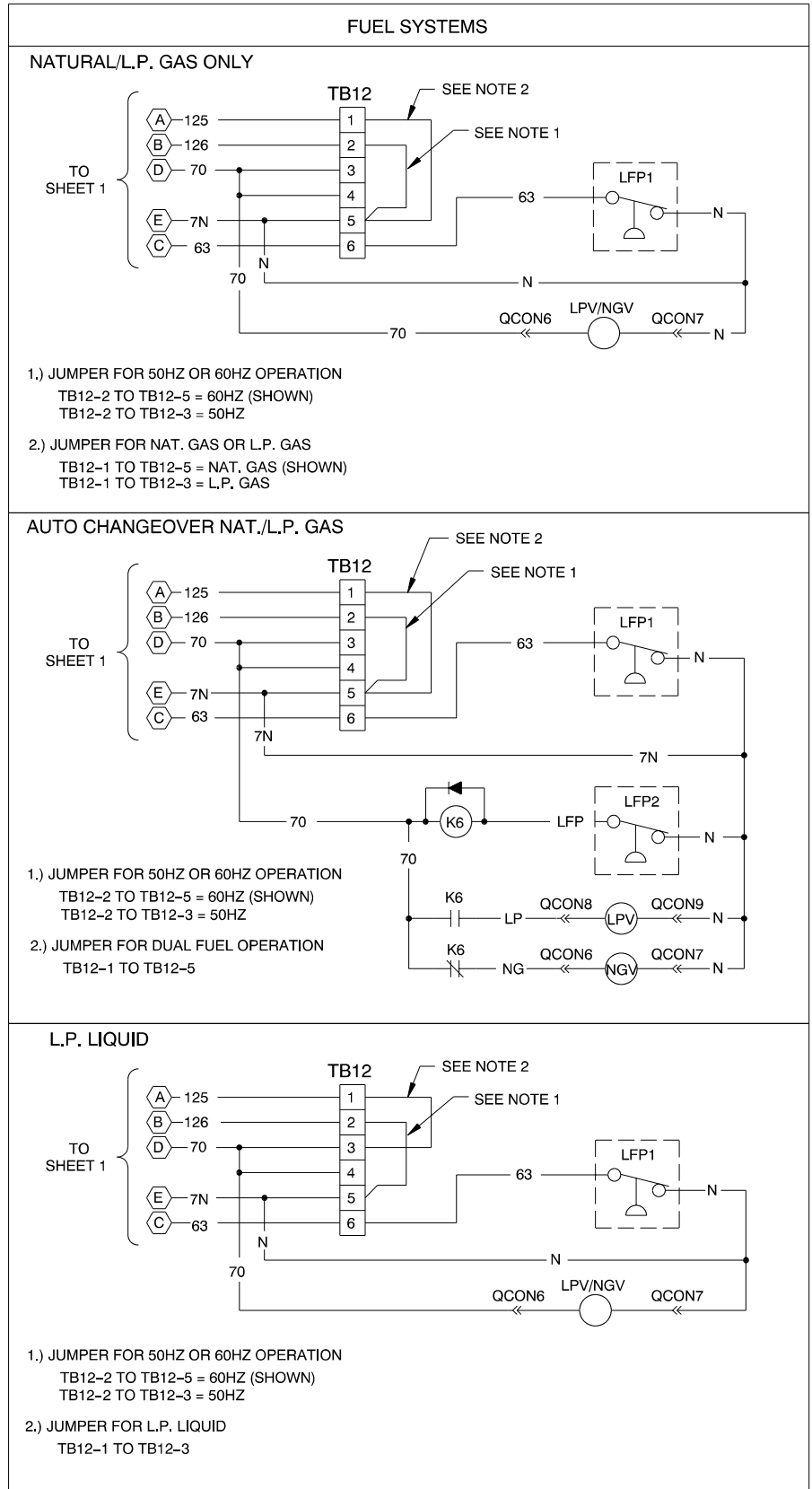
APPROVALS		DATE	TITLE	
DRAWN	DFS	6-22-01	DIAGRAM, SCHEMATIC GM 80-125 KW	
CHECKED	DEL	8-06-01	SCALE	1/1
APPROVED	CWW	7-30-01	DWG NO.	ADV-6660
			SHEET	1-2
			PLOTTED	D

UNLESS OTHERWISE SPECIFIED:
 1) DIMENSIONS ARE IN INCHES
 2) DIMENSIONS ARE IN MILLIMETERS
 3) DIMENSIONS ARE IN MILLIMETERS
 4) DIMENSIONS ARE IN MILLIMETERS
 5) DIMENSIONS ARE IN MILLIMETERS
 6) DIMENSIONS ARE IN MILLIMETERS
 7) DIMENSIONS ARE IN MILLIMETERS
 8) DIMENSIONS ARE IN MILLIMETERS
 9) DIMENSIONS ARE IN MILLIMETERS
 10) DIMENSIONS ARE IN MILLIMETERS



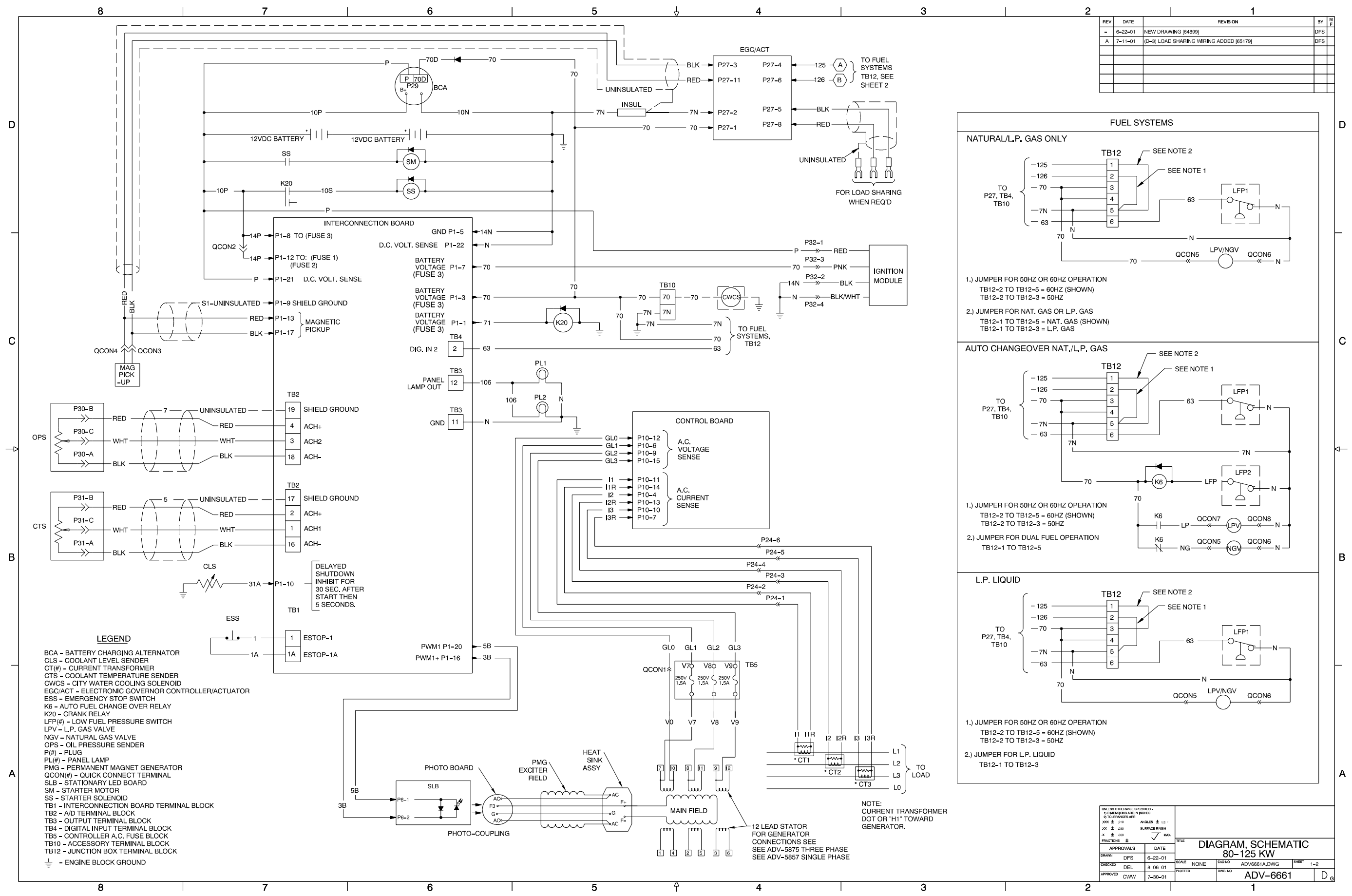
Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Schematic Diagram, Sheet 1, ADV-6660A-A

REV	DATE	REVISION	BY	APP
-	6-22-01	NEW DRAWING (04899)	DFS	
A	7-11-01	SEE SHEET 1 OF 2 (85179)	DFS	



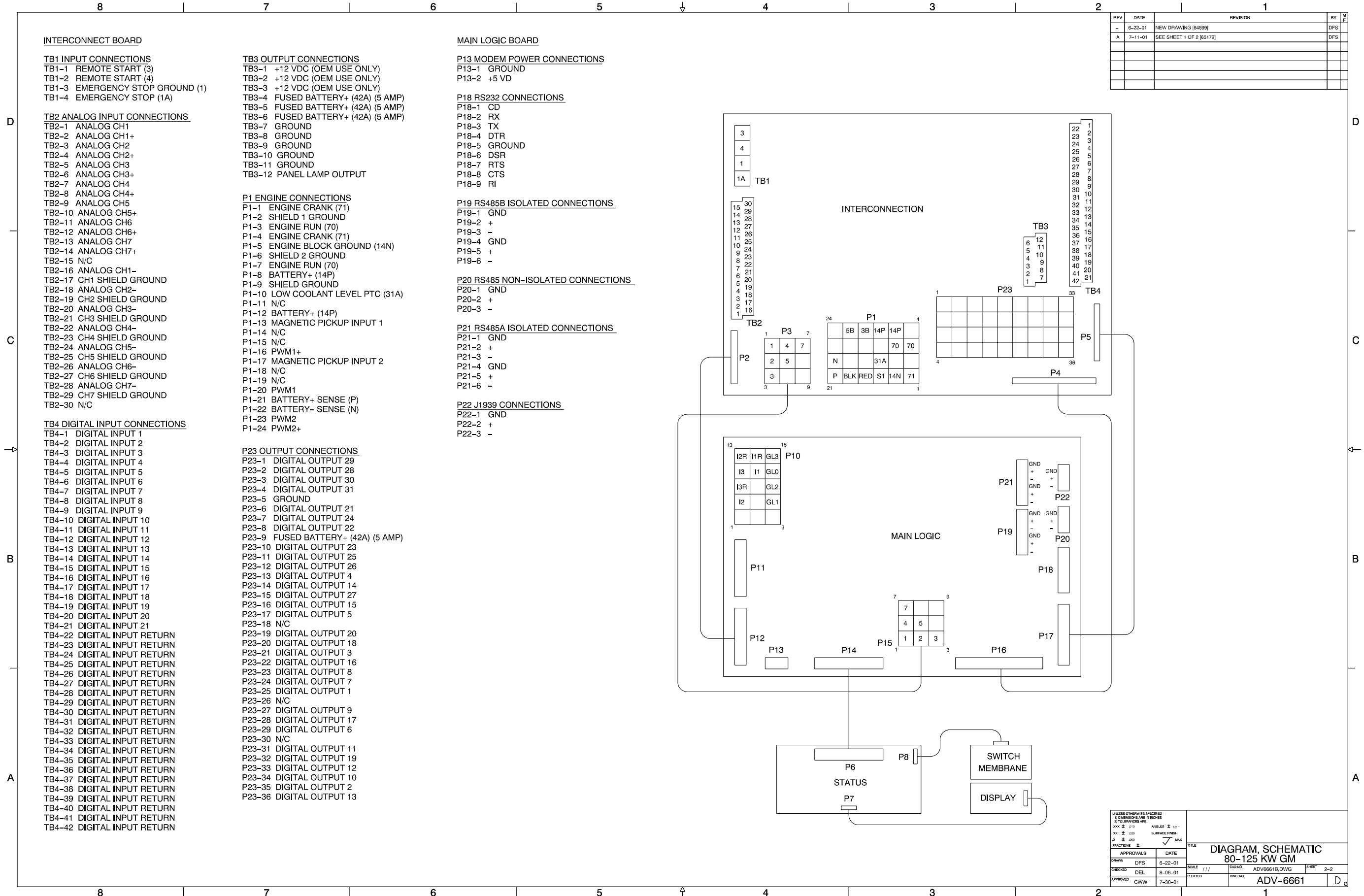
<small>UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN INCHES DIMENSIONS ARE</small>		<small>ANGLES ± 1/2° SURFACE FINISH FRACTIONS ±</small>		<small>TITLE</small> DIAGRAM, SCHEMATIC GM 80-125 KW	
<small>APPROVALS</small> DRAWN DFS CHECKED DEL APPROVED CWW	<small>DATE</small> 6-22-01 8-06-01 7-30-01	<small>SCALE</small> ///	<small>DWG NO.</small> ADV6660B.DWG	<small>SHEET</small> 2-2	<small>DWG NO.</small> ADV-6660

REV	DATE	REVISION	BY	APP
-	6-22-01	NEW DRAWING (04899)	DFS	
A	7-11-01	(D-3) LOAD SHARING WIRING ADDED (05179)	DFS	



Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 1, ADV-6661A-A

REV	DATE	REVISION	BY	APP
-	6-22-01	NEW DRAWING (84999)	DFS	
A	7-11-01	SEE SHEET 1 OF 2 (85179)	DFS	



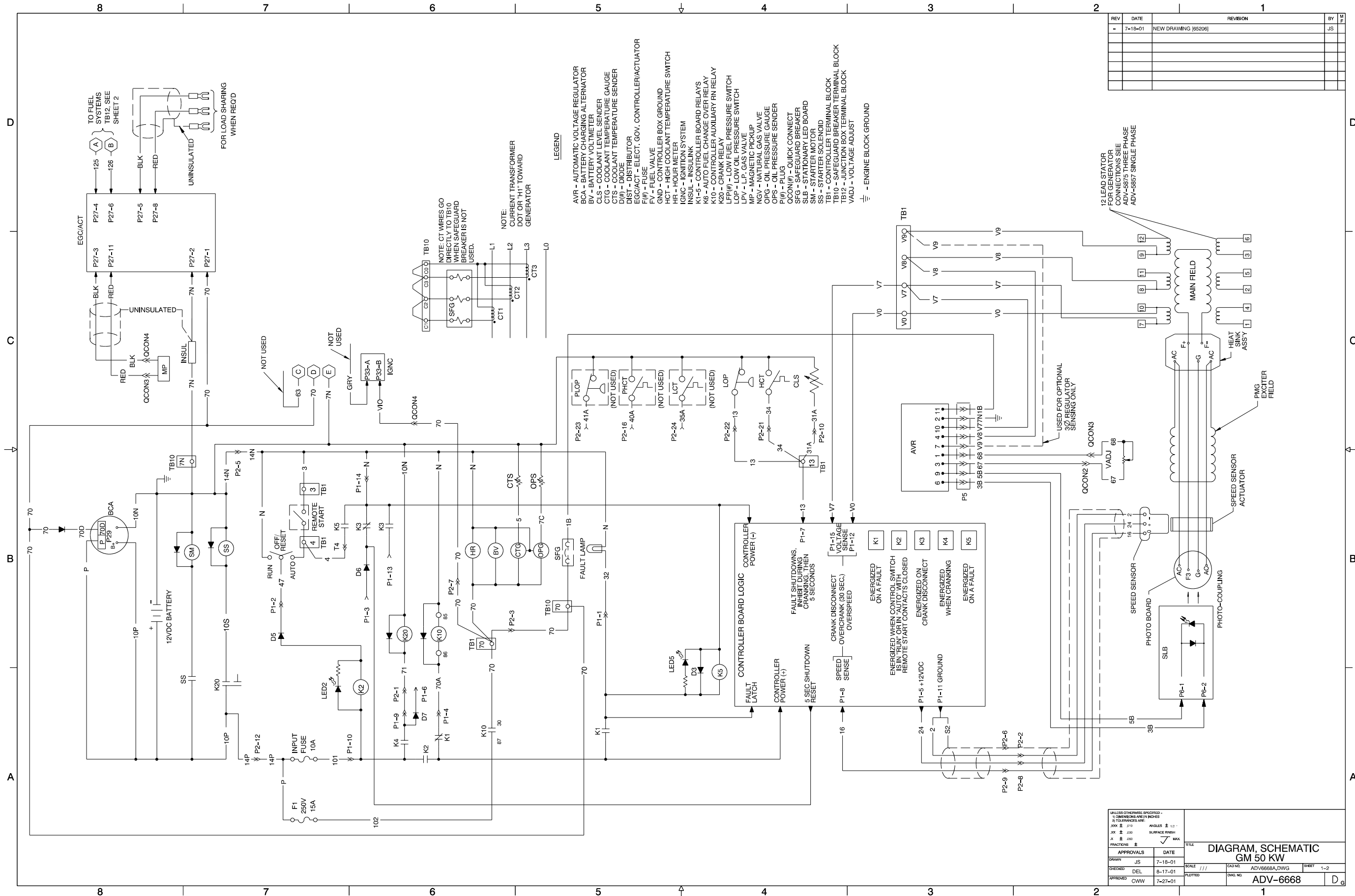
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DFS	6-22-01	1/1	ADV6661B,DWG	2-2
DEL	8-08-01			
CWW	7-30-01			

REV	DATE	REVISION	BY	APP
-	7-18-01	NEW DRAWING (85206)	JS	

APPROVALS		DATE	TITLE
DRAWN	JS	7-18-01	DIAGRAM, SCHEMATIC GM 50 KW
CHECKED	DEL	8-17-01	SCALE: 1/1
APPROVED	CWW	7-27-01	DWG NO: ADV-6668

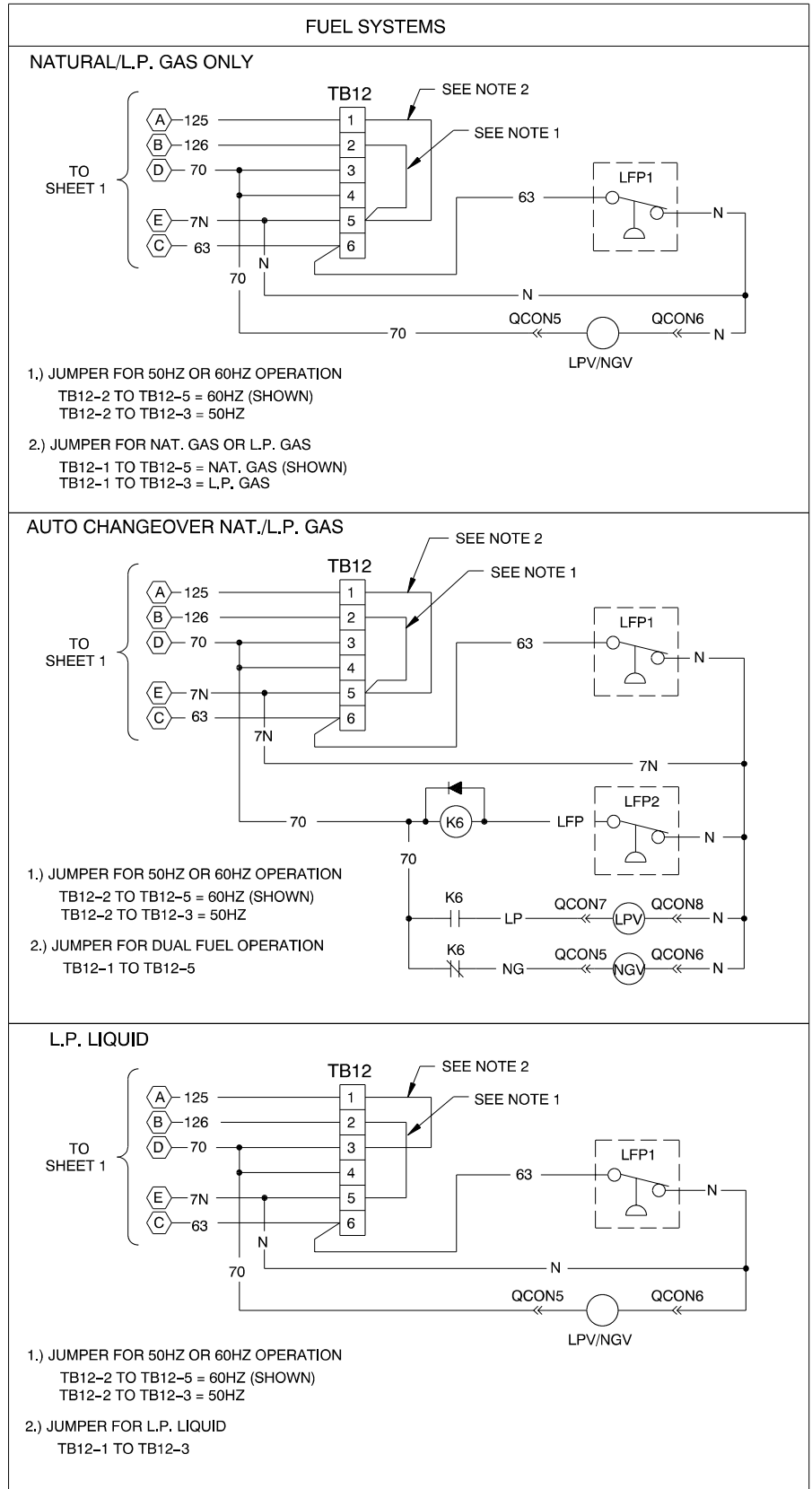
SCALE	DWG NO	SHEET	REV
1/1	ADV6668A.DWG	1-2	

UNLESS OTHERWISE SPECIFIED:
 1) DIMENSIONS ARE IN INCHES
 2) DIMENSIONS ARE:
 .XXX ± .010 ANGLE ± 1/2°
 .XX ± .005 SURFACE FINISH
 .X ± .005 SURFACE FINISH
 FINISHES ± MAX

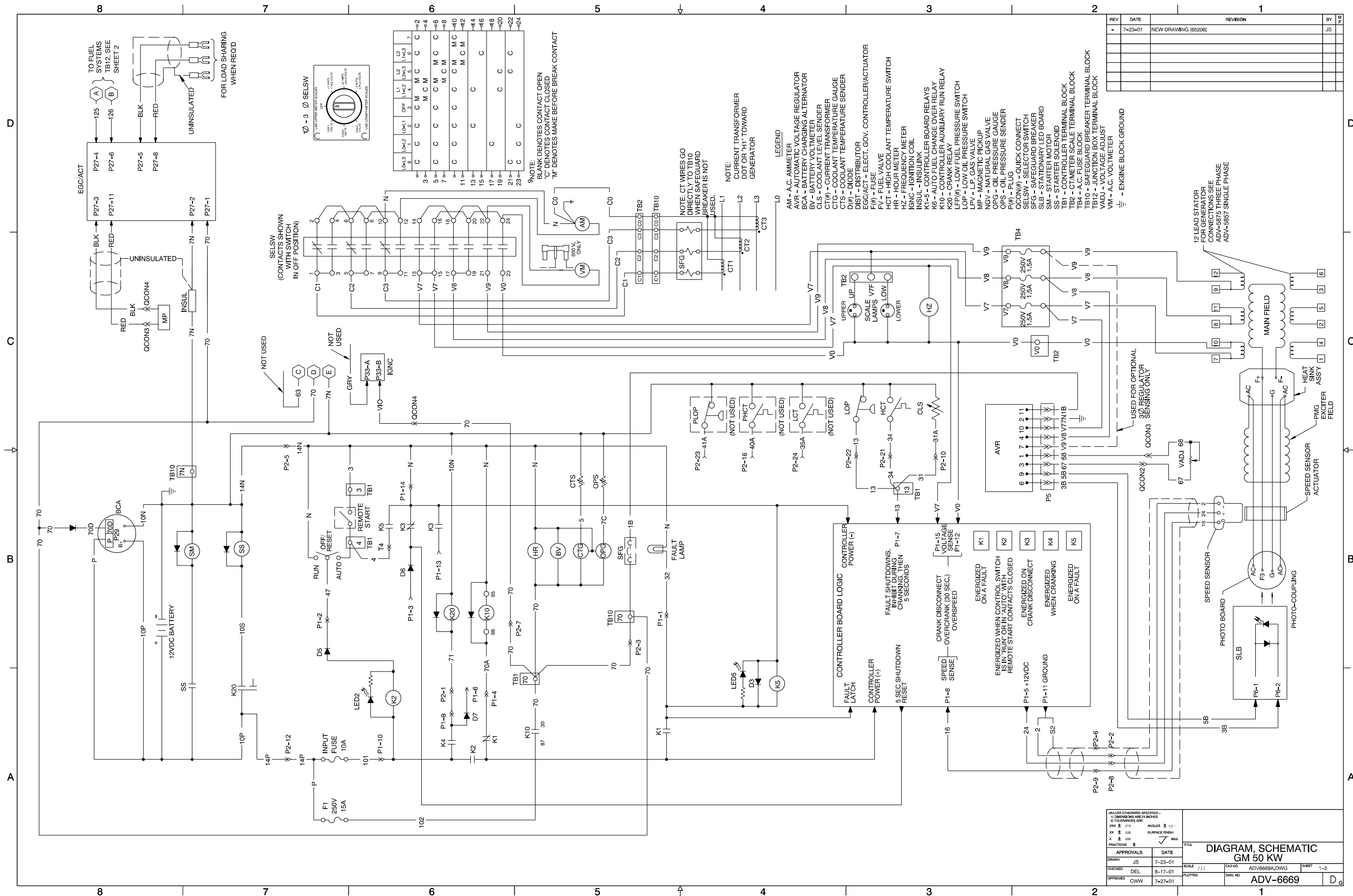


Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Schematic Diagram, Sheet 1, ADV-6668A-

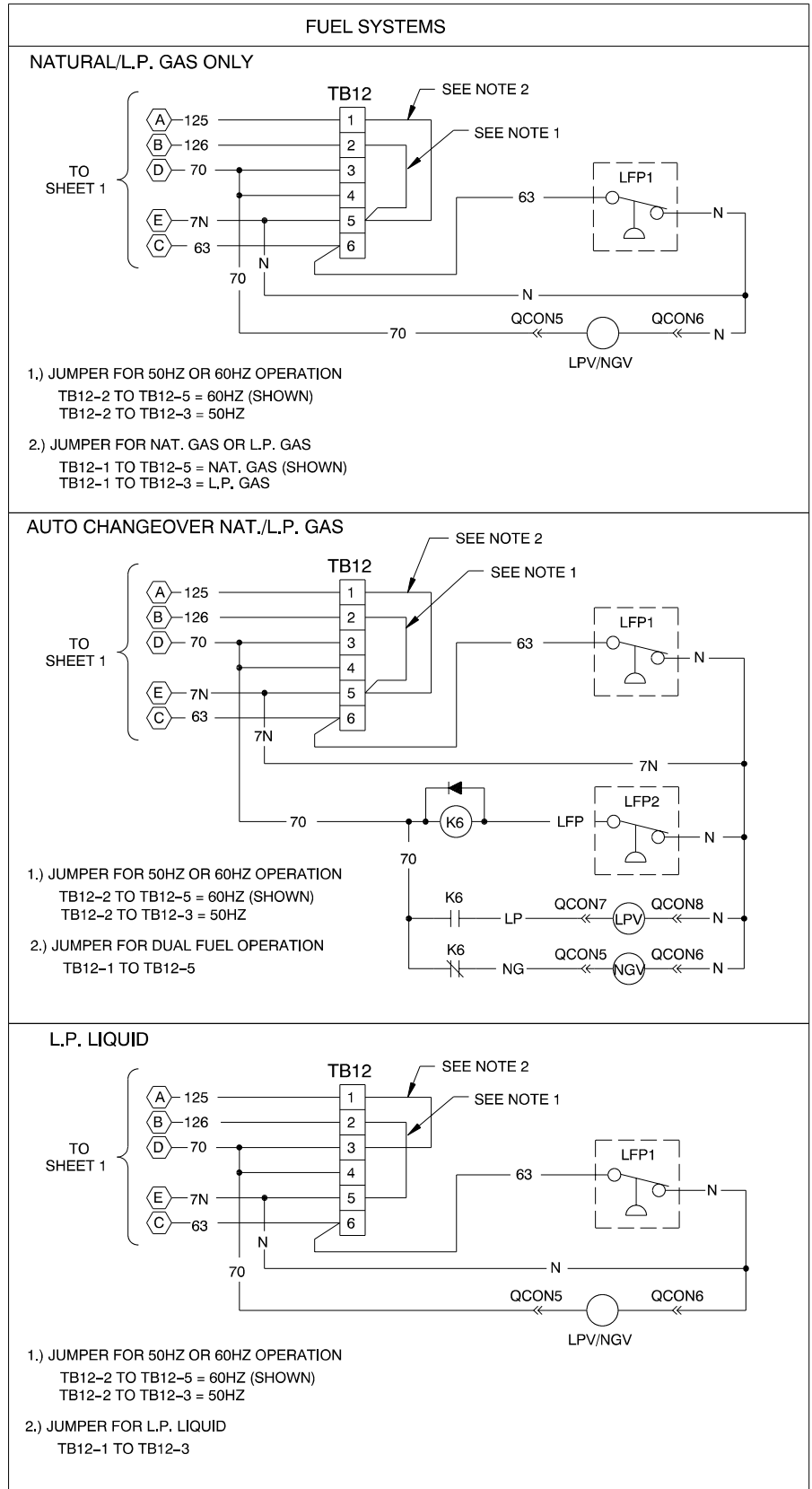
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-	5-22-00	NEW DRAWING (81661)	JS	



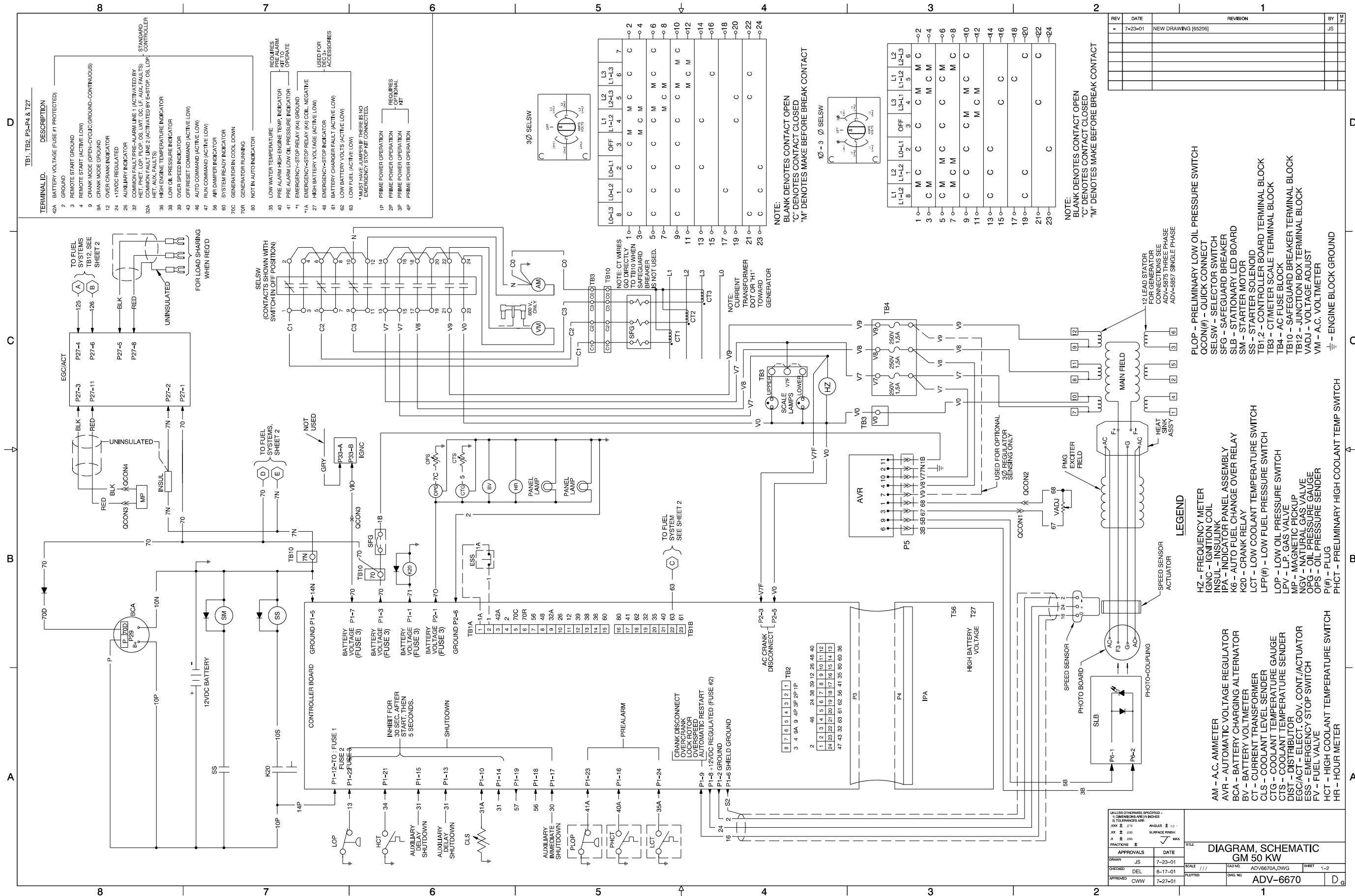
APPROVALS	DATE	TITLE
DRAWN JS	7-18-01	DIAGRAM, SCHEMATIC GM 50 KW
CHECKED DEL	8-17-01	SCALE: / / /
APPROVED CWW	7-27-01	DWG NO. ADV-6668



REV	DATE	REVISION	BY	APP
-	7-23-01	NEW DRAWING (85206)	JS	



<small>UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN INCHES TOLERANCES ARE: X.XX ± .010 ANGLES ± 1/2° X.X ± .020 SURFACE FINISH X ± .050 FRACTIONS ± 1/16" MAX</small>		<small>TITLE</small> DIAGRAM, SCHEMATIC GM 50 KW	
<small>APPROVALS</small> DRAWN JS CHECKED DEL APPROVED CWW	<small>DATE</small> 7-23-01 8-17-01 7-27-01	<small>SCALE</small> ///	<small>DWG NO.</small> ADV6669B.DWG <small>DWG NO.</small> ADV-6669
		<small>SHEET</small> 2-2	<small>DWG</small> D

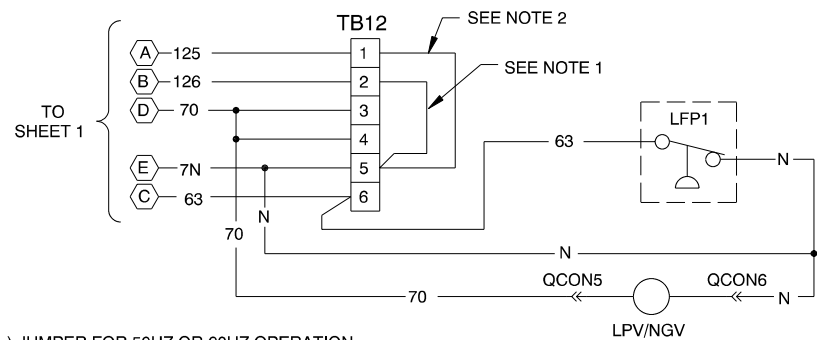


Decision-Maker™ 3+ Controller, Schematic Diagram, Sheet 1, ADV-6670A-

REV	DATE	REVISION	BY	APP
-	7-23-01	NEW DRAWING (85206)	JS	

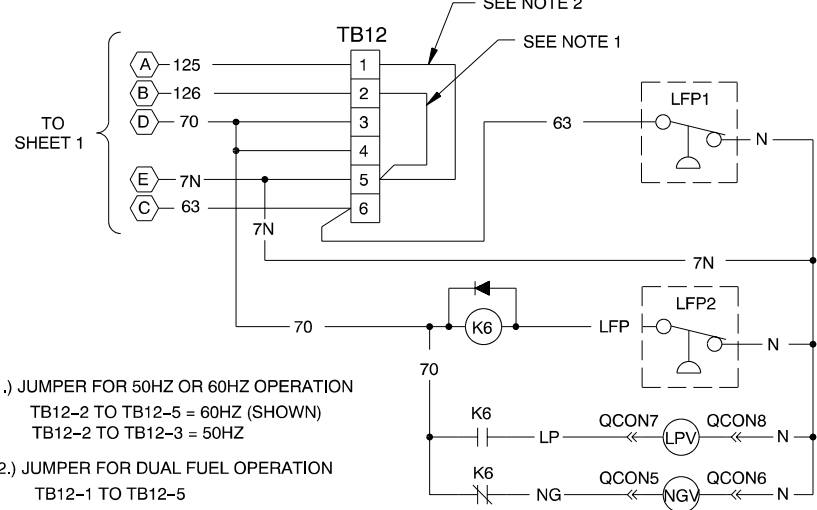
FUEL SYSTEMS

NATURAL/L.P. GAS ONLY



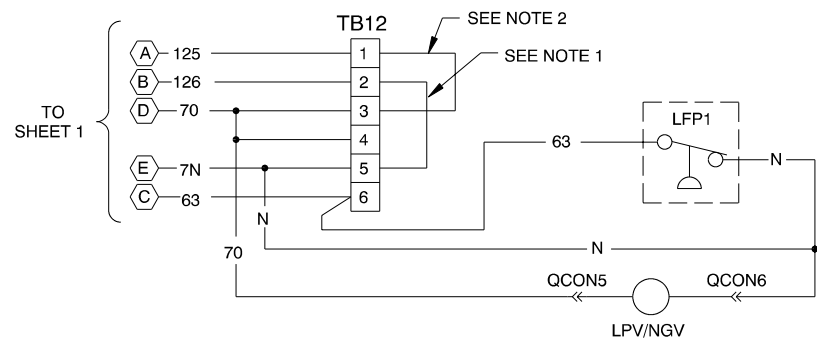
- 1.) JUMPER FOR 50HZ OR 60HZ OPERATION
TB12-2 TO TB12-5 = 60HZ (SHOWN)
TB12-2 TO TB12-3 = 50HZ
- 2.) JUMPER FOR NAT. GAS OR L.P. GAS
TB12-1 TO TB12-5 = NAT. GAS (SHOWN)
TB12-1 TO TB12-3 = L.P. GAS

AUTO CHANGEOVER NAT./L.P. GAS



- 1.) JUMPER FOR 50HZ OR 60HZ OPERATION
TB12-2 TO TB12-5 = 60HZ (SHOWN)
TB12-2 TO TB12-3 = 50HZ
- 2.) JUMPER FOR DUAL FUEL OPERATION
TB12-1 TO TB12-5

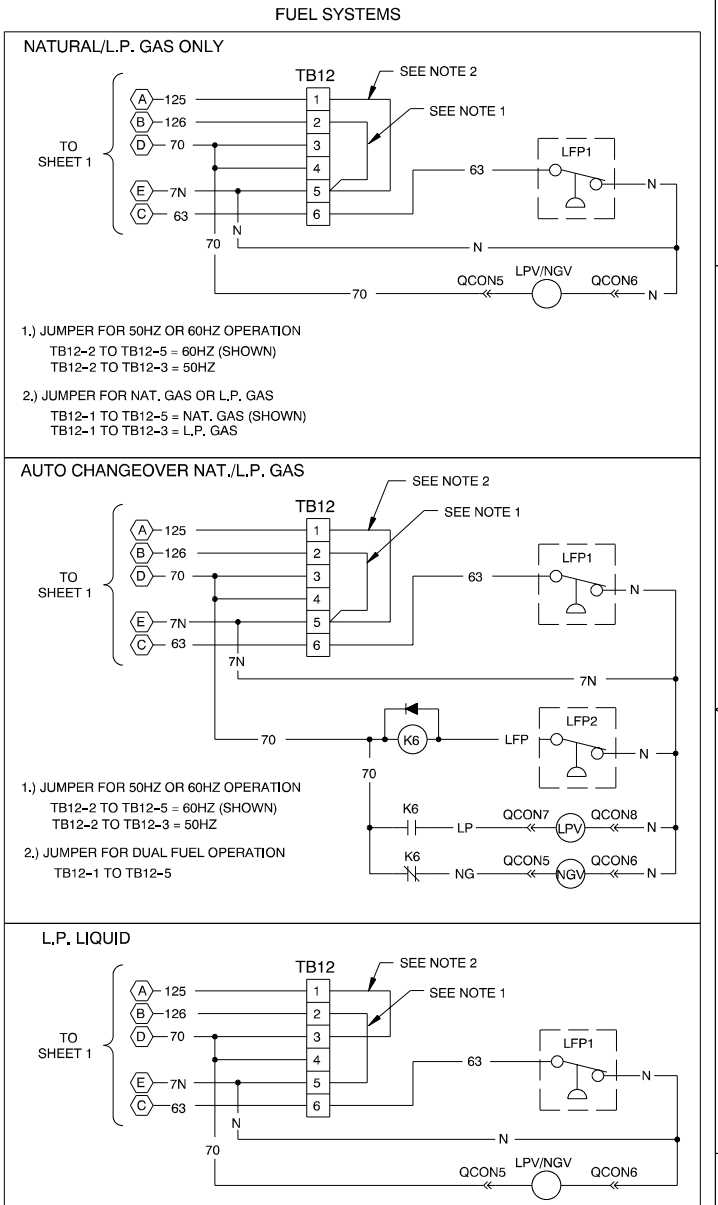
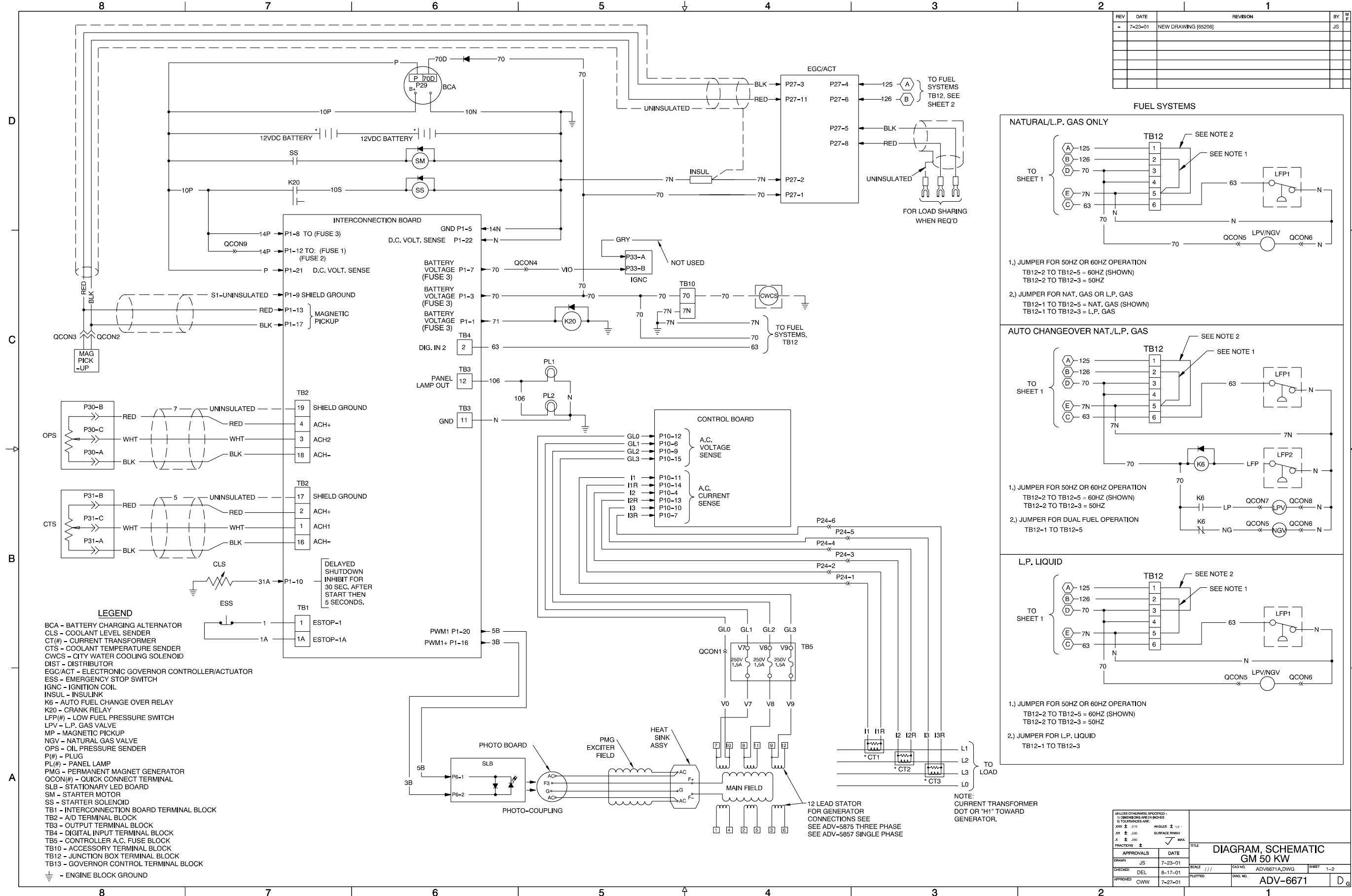
L.P. LIQUID



- 1.) JUMPER FOR 50HZ OR 60HZ OPERATION
TB12-2 TO TB12-5 = 60HZ (SHOWN)
TB12-2 TO TB12-3 = 50HZ
- 2.) JUMPER FOR L.P. LIQUID
TB12-1 TO TB12-3

APPROVALS	DATE	SCALE	DWG NO.	SHEET
DRAWN JS	7-23-01	///	ADV6670B.DWG	2-2
CHECKED DEL	8-17-01			
APPROVED CWW	7-27-01		ADV-6670	D

REV	DATE	REVISION	BY	APP
-	7-23-01	NEW DRAWING (85206)	JS	

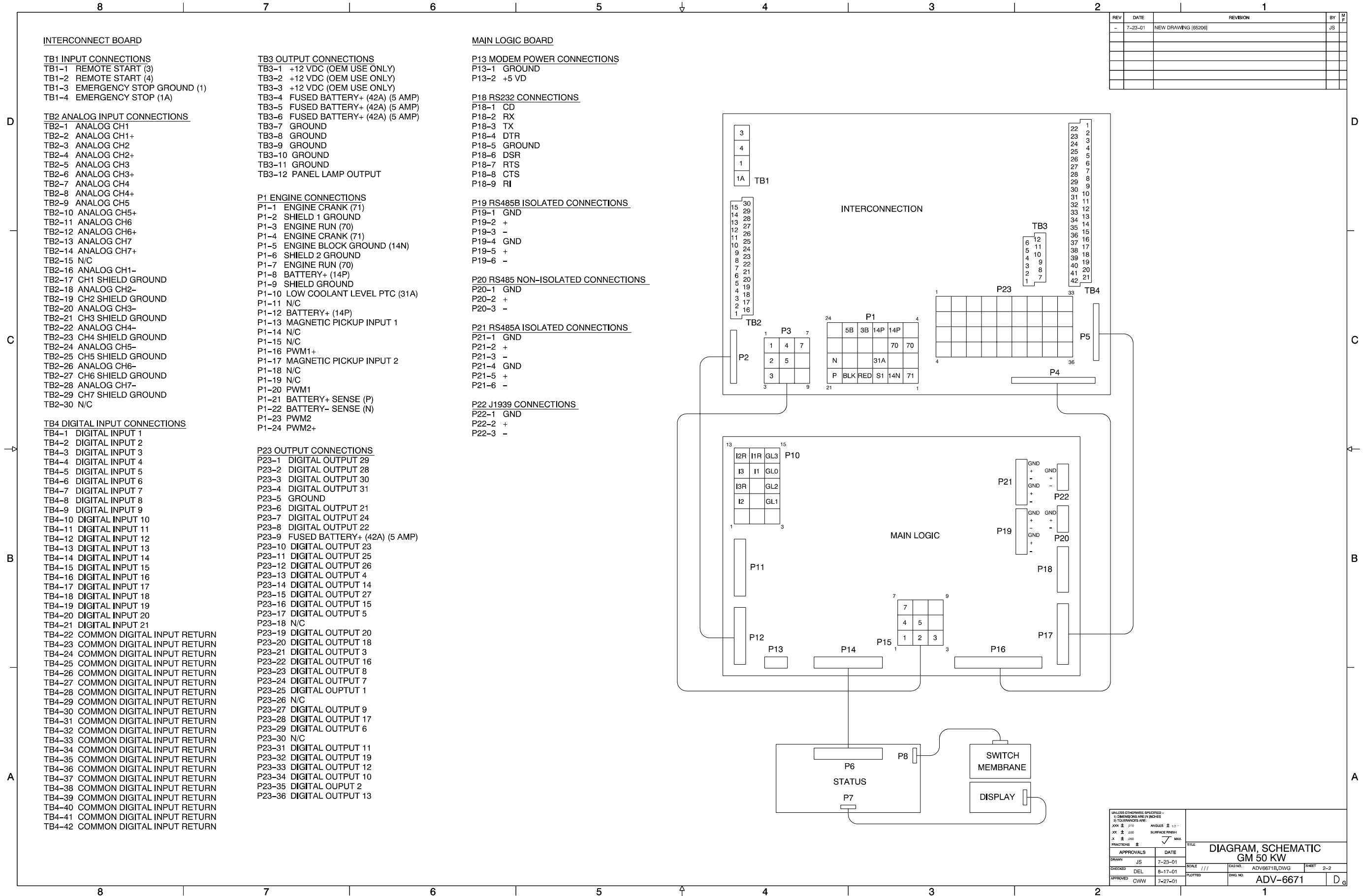


- LEGEND**
- BCA - BATTERY CHARGING ALTERNATOR
 - CLS - COOLANT LEVEL SENDER
 - CT(#)- CURRENT TRANSFORMER
 - CTS - COOLANT TEMPERATURE SENDER
 - CWCS - CITY WATER COOLING SOLENOID
 - DIST - DISTRIBUTOR
 - EGC/ACT - ELECTRONIC GOVERNOR CONTROLLER/ACTUATOR
 - ESS - EMERGENCY STOP SWITCH
 - IGNC - IGNITION COIL
 - INSUL - INSULINK
 - K6 - AUTO FUEL CHANGE OVER RELAY
 - K20 - CRANK RELAY
 - LFP(#)- LOW FUEL PRESSURE SWITCH
 - LPV - L.P. GAS VALVE
 - MP - MAGNETIC PICKUP
 - NGV - NATURAL GAS VALVE
 - OPS - OIL PRESSURE SENDER
 - PL(#)- PLUG
 - PMG - PERMANENT MAGNET GENERATOR
 - QCON(#)- QUICK CONNECT TERMINAL
 - SLB - STATIONARY LED BOARD
 - SM - STARTER MOTOR
 - SS - STARTER SOLENOID
 - TB1 - INTERCONNECTION BOARD TERMINAL BLOCK
 - TB2 - A/D TERMINAL BLOCK
 - TB3 - OUTPUT TERMINAL BLOCK
 - TB4 - DIGITAL INPUT TERMINAL BLOCK
 - TB5 - CONTROLLER A.C. FUSE BLOCK
 - TB10 - ACCESSORY TERMINAL BLOCK
 - TB12 - JUNCTION BOX TERMINAL BLOCK
 - TB13 - GOVERNOR CONTROL TERMINAL BLOCK
 - ⏏ - ENGINE BLOCK GROUND

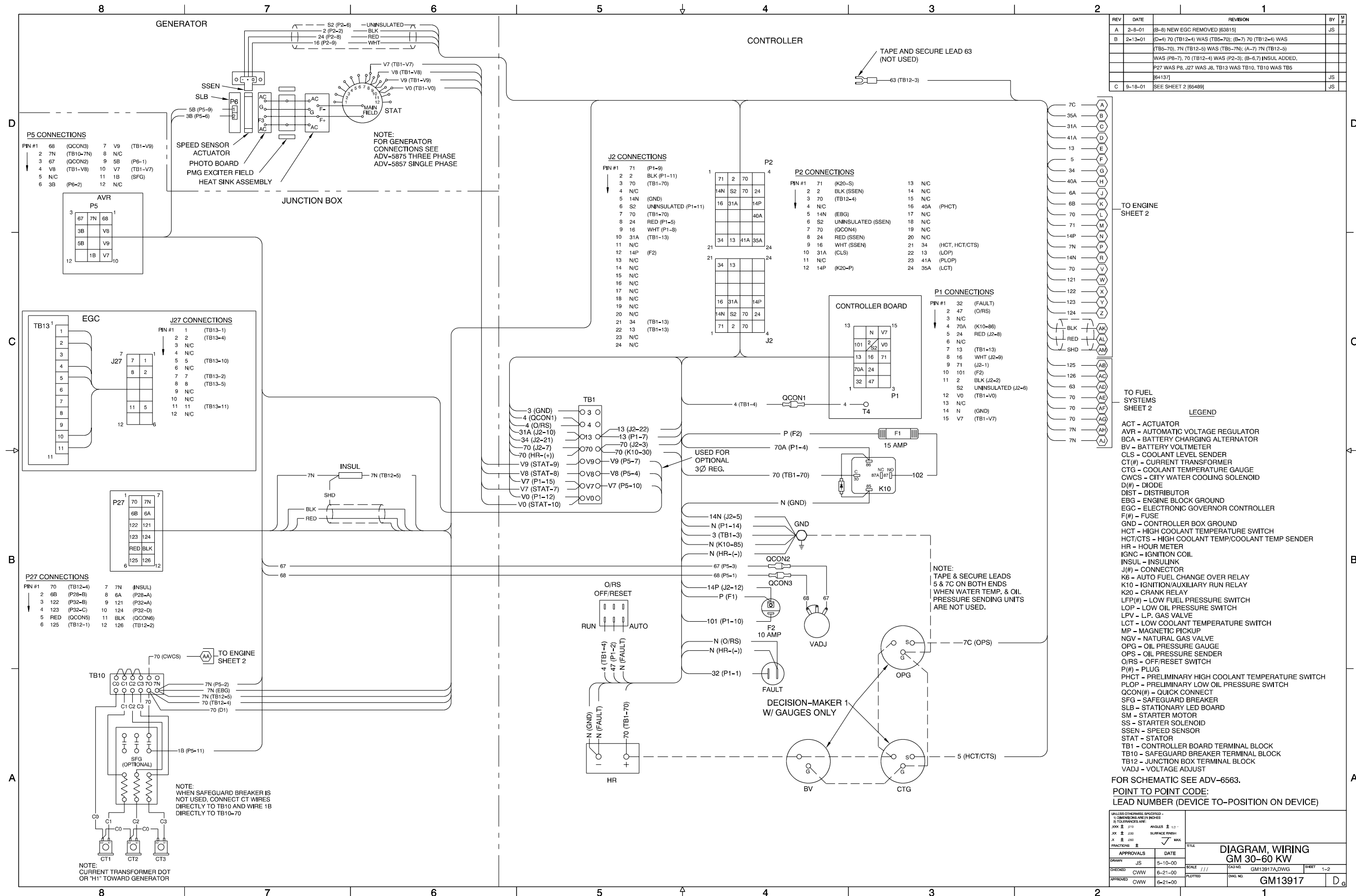
APPROVALS		DATE	TITLE	
DRAWN	JS	7-23-01	DIAGRAM, SCHEMATIC	
CHECKED	DEL	8-17-01	GM 50 KW	
APPROVED	CWW	7-27-01	DWG NO.	ADV-6671

Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 1, ADV-6671A-

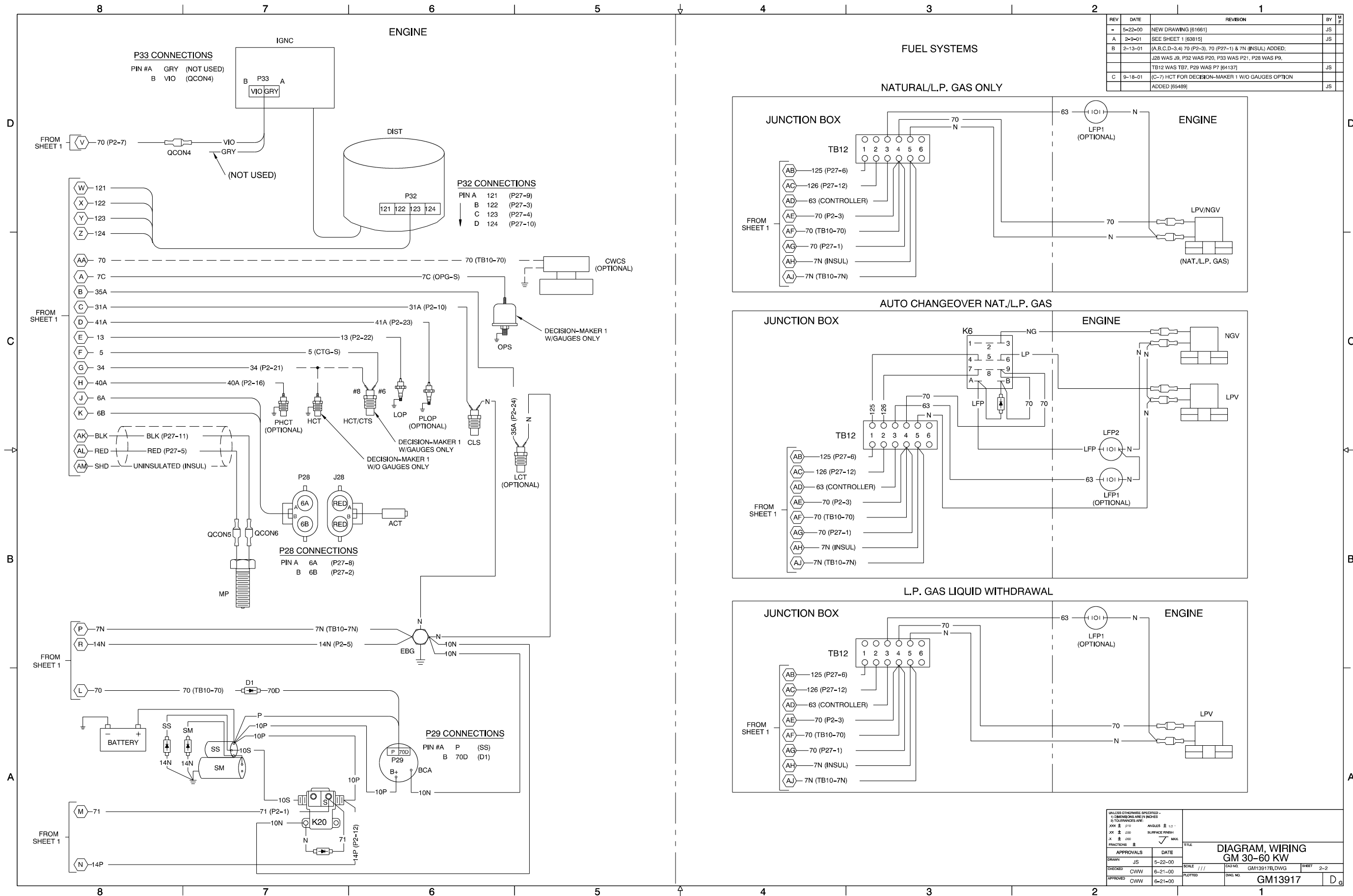
REV	DATE	REVISION	BY	APP
-	7-23-01	NEW DRAWING (66206)	JS	



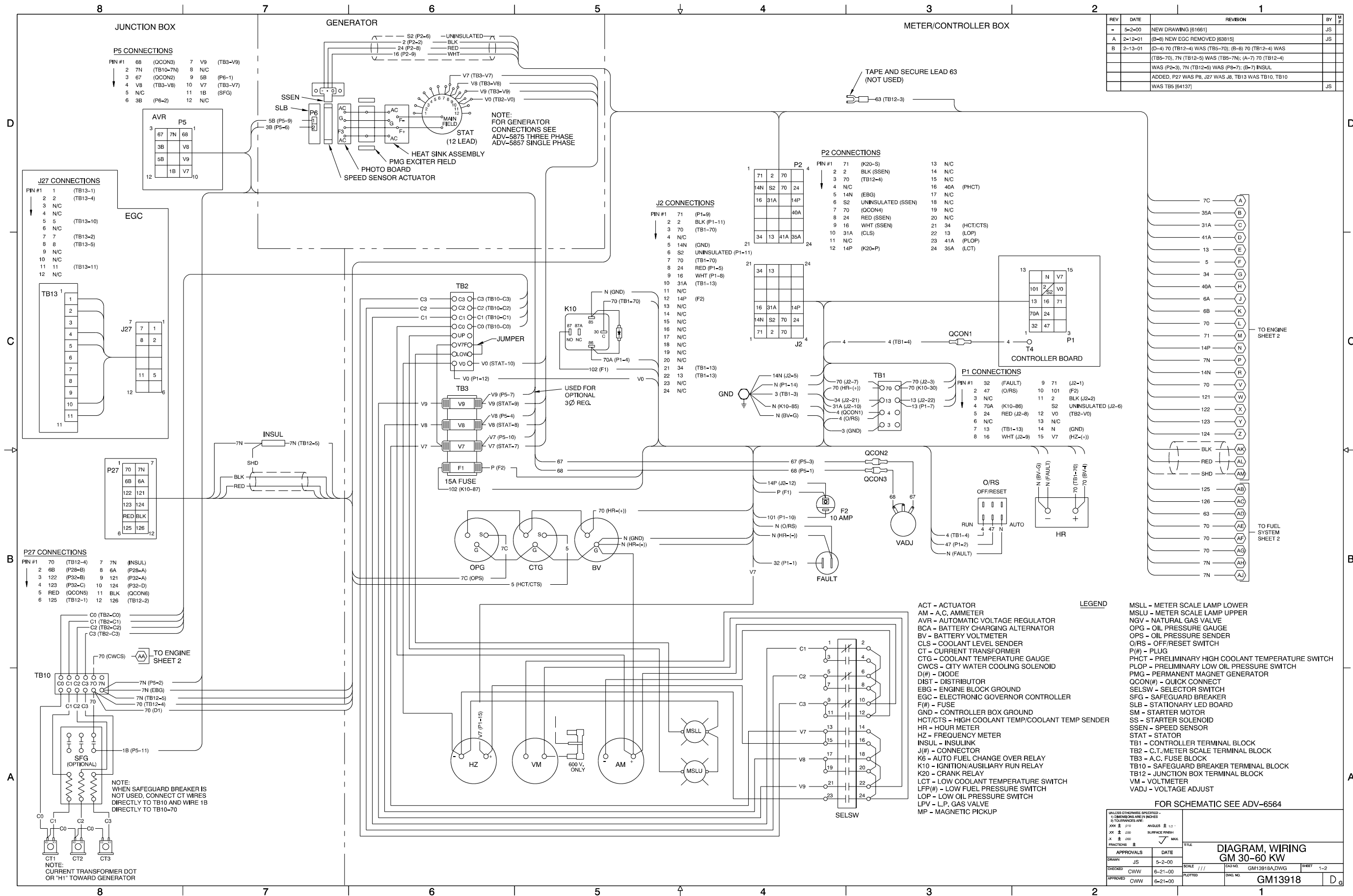
Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 2, ADV-6671B-



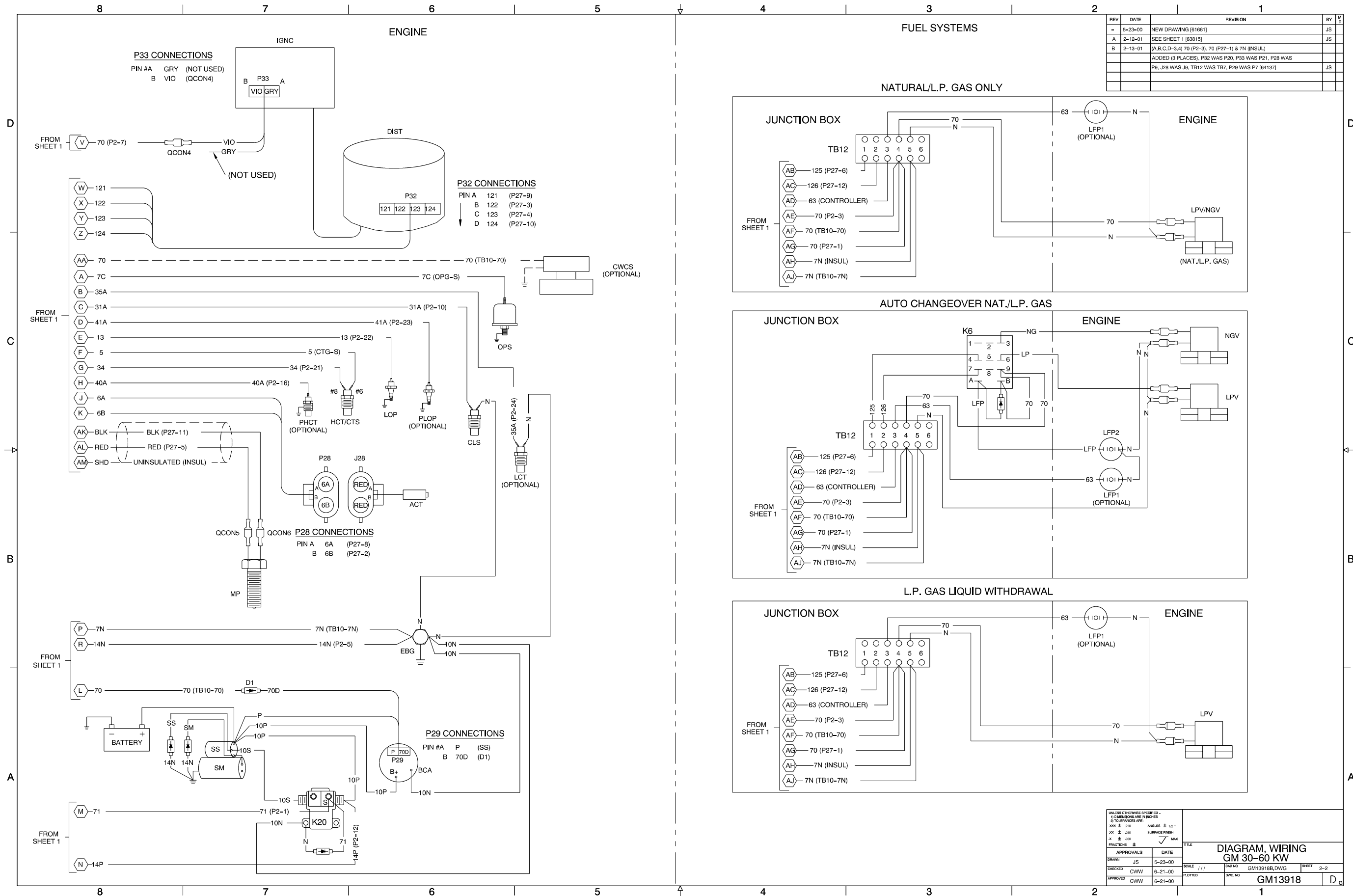
Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Point-to-Point Wiring Diagram, Sheet 1, GM13917A-C



Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Point-to-Point Wiring Diagram, Sheet 2, GM13917B-C



Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Point-to-Point Wiring Diagram, Sheet 1, GM13918A-B



Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Point-to-Point Wiring Diagram, Sheet 2, GM13918B-B

REV	DATE	NEW DRAWING (01661)	REVISION	BY	APPROVED
-	3-31-00			JS	
A	2-12-01	(C-7) NEW EGC REMOVED (63815)		JS	
B	5-7-01	(D-2) 70 (TB12-4) WAS (TB5-70); (B-7) 70 (TB12-4) WAS (TB5-70), 7N (TB12-5) WAS (TB5-7N); (A-7) 7N (TB12-5) WAS (PB-7), 70 (TB12-4) WAS (P1-3); (C-7) INSUL ADDED.			
		P27 WAS P8, J27 WAS J8, TB13 WAS TB10, TB10 WAS TB5			
		[64137]		JS	

P1 CONNECTIONS

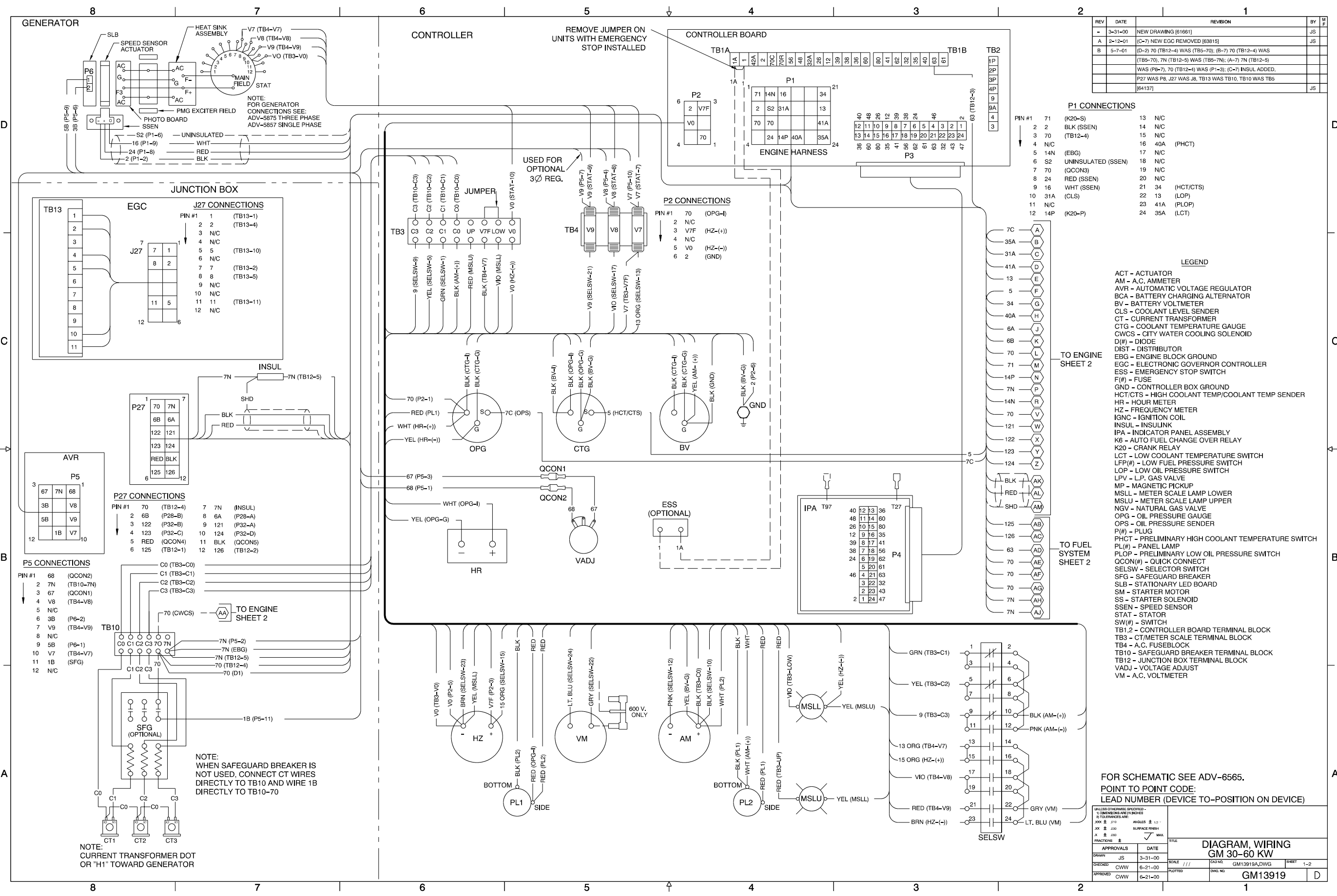
PIN #1	71 (K20-S)	13 N/C
2 2	BLK (SSEN)	14 N/C
3 70	(TB12-4)	15 N/C
4 N/C		16 40A (PHCT)
5 14N	(EBG)	17 N/C
6 S2	UNINSULATED (SSEN)	18 N/C
7 70	(QCON3)	19 N/C
8 24	RED (SSEN)	20 N/C
9 16	WHT (SSEN)	21 34 (HCT/CTS)
10 31A	(CLS)	22 13 (LOP)
11 N/C		23 41A (PLOP)
12 14P	(K20-P)	24 35A (LCT)

LEGEND

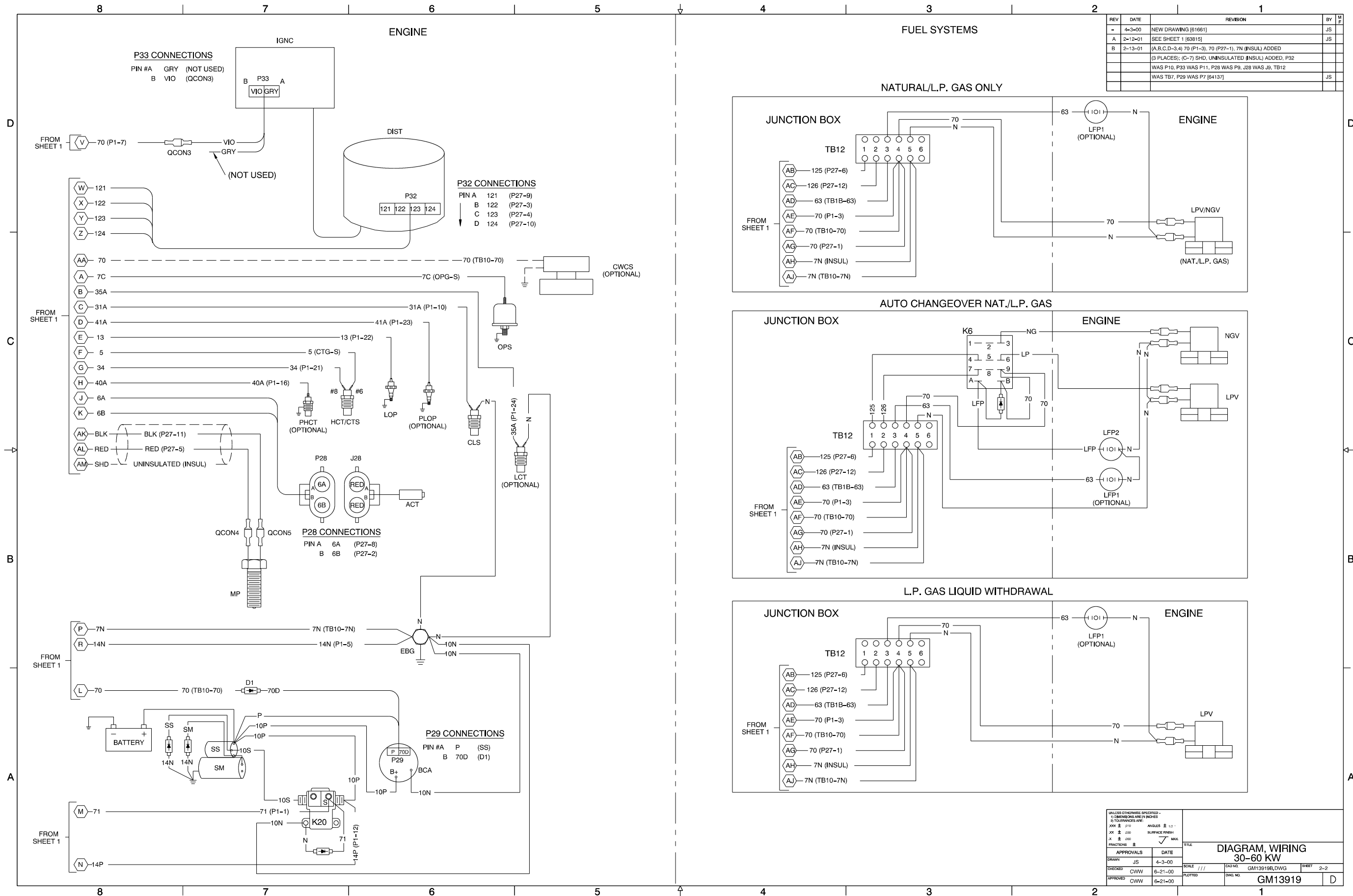
- ACT - ACTUATOR
- AM - A.C. AMMETER
- AVR - AUTOMATIC VOLTAGE REGULATOR
- BCA - BATTERY CHARGING ALTERNATOR
- BV - BATTERY VOLTMETER
- CLS - COOLANT LEVEL SENDER
- CT - CURRENT TRANSFORMER
- CTG - COOLANT TEMPERATURE GAUGE
- CWCS - CITY WATER COOLING SOLENOID
- D(#) - DIODE
- DIST - DISTRIBUTOR
- EBG - ENGINE BLOCK GROUND
- EGC - ELECTRONIC GOVERNOR CONTROLLER
- ESS - EMERGENCY STOP SWITCH
- F(#) - FUSE
- GND - CONTROLLER BOX GROUND
- HCT/CTS - HIGH COOLANT TEMP/COOLANT TEMP SENDER
- HR - HOUR METER
- HZ - FREQUENCY METER
- IGNC - IGNITION COIL
- INSUL - INSULINK
- IPA - INDICATOR PANEL ASSEMBLY
- K6 - AUTO FUEL CHANGE OVER RELAY
- K20 - CRANK RELAY
- LCT - LOW COOLANT TEMPERATURE SWITCH
- LFP(#)- LOW FUEL PRESSURE SWITCH
- LOP - LOW OIL PRESSURE SWITCH
- LPV - L.P. GAS VALVE
- MP - MAGNETIC PICKUP
- MSLL - METER SCALE LAMP LOWER
- MSLU - METER SCALE LAMP UPPER
- NGV - NATURAL GAS VALVE
- OPG - OIL PRESSURE GAUGE
- OPS - OIL PRESSURE SENDER
- P(#)- PLUG
- PHCT - PRELIMINARY HIGH COOLANT TEMPERATURE SWITCH
- PL(#)- PANEL LAMP
- PLOP - PRELIMINARY LOW OIL PRESSURE SWITCH
- QCON(#)- QUICK CONNECT
- SELV - SELECTOR SWITCH
- SFG - SAFEGUARD BREAKER
- SLB - STATIONARY LED BOARD
- SM - STARTER MOTOR
- SS - STARTER SOLENOID
- SSEN - SPEED SENSOR
- STAT - STATOR
- SW(#)- SWITCH
- TB1,2 - CONTROLLER BOARD TERMINAL BLOCK
- TB3 - CT/METER SCALE TERMINAL BLOCK
- TB4 - A.C. FUSEBLOCK
- TB10 - SAFEGUARD BREAKER TERMINAL BLOCK
- TB12 - JUNCTION BOX TERMINAL BLOCK
- VADJ - VOLTAGE ADJUST
- VM - A.C. VOLTMETER

FOR SCHEMATIC SEE ADV-6565.
 POINT TO POINT CODE:
 LEAD NUMBER (DEVICE TO-POSITION ON DEVICE)

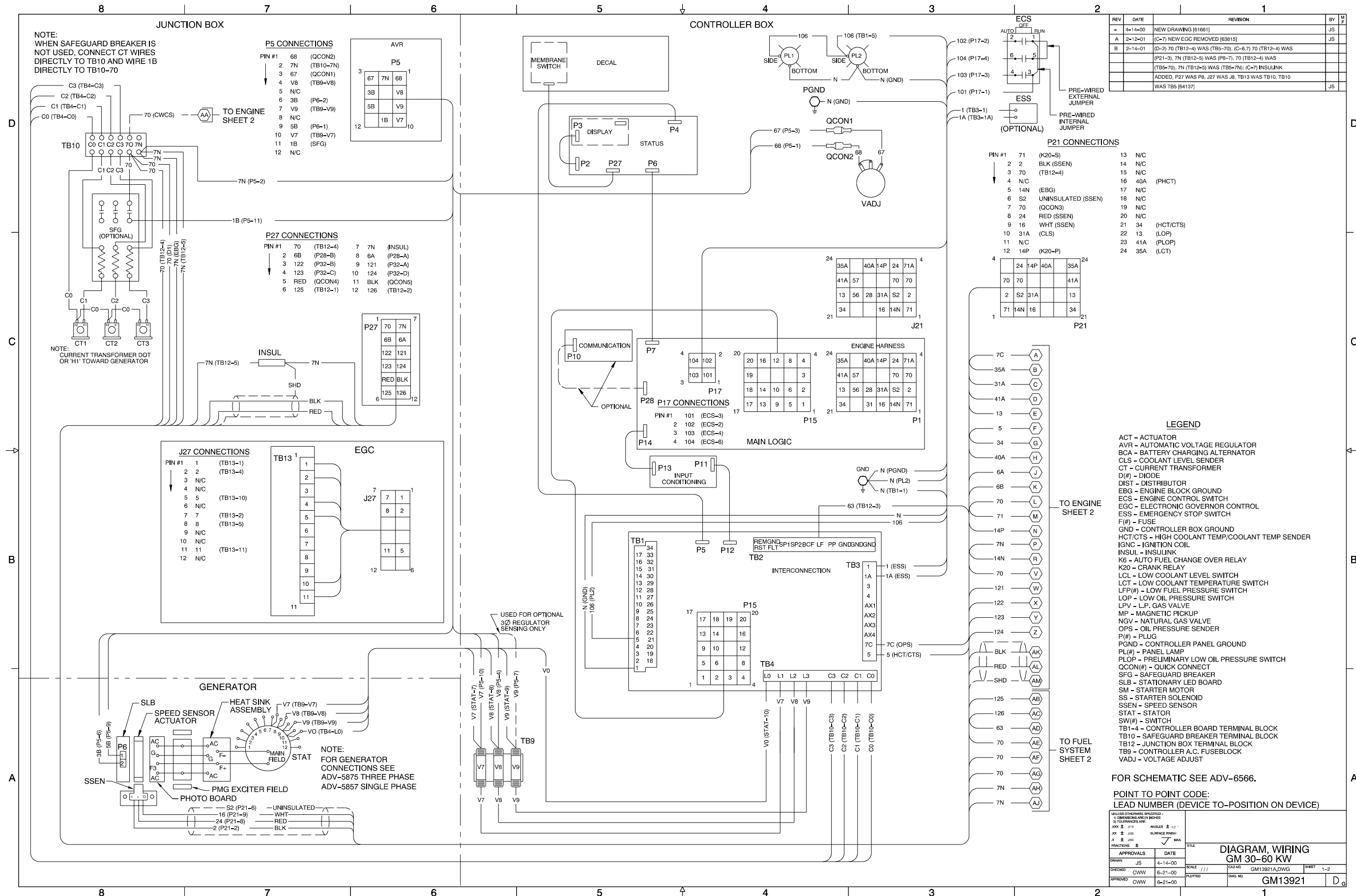
APPROVALS	DATE	TITLE
DRAWN JS	3-31-00	DIAGRAM, WIRING GM 30-60 KW
CHECKED CWW	6-21-00	SCALE: / / /
APPROVED CWW	6-21-00	CAO NO. GM13919A.DWG SHEET 1-2
		DWG NO. GM13919 D



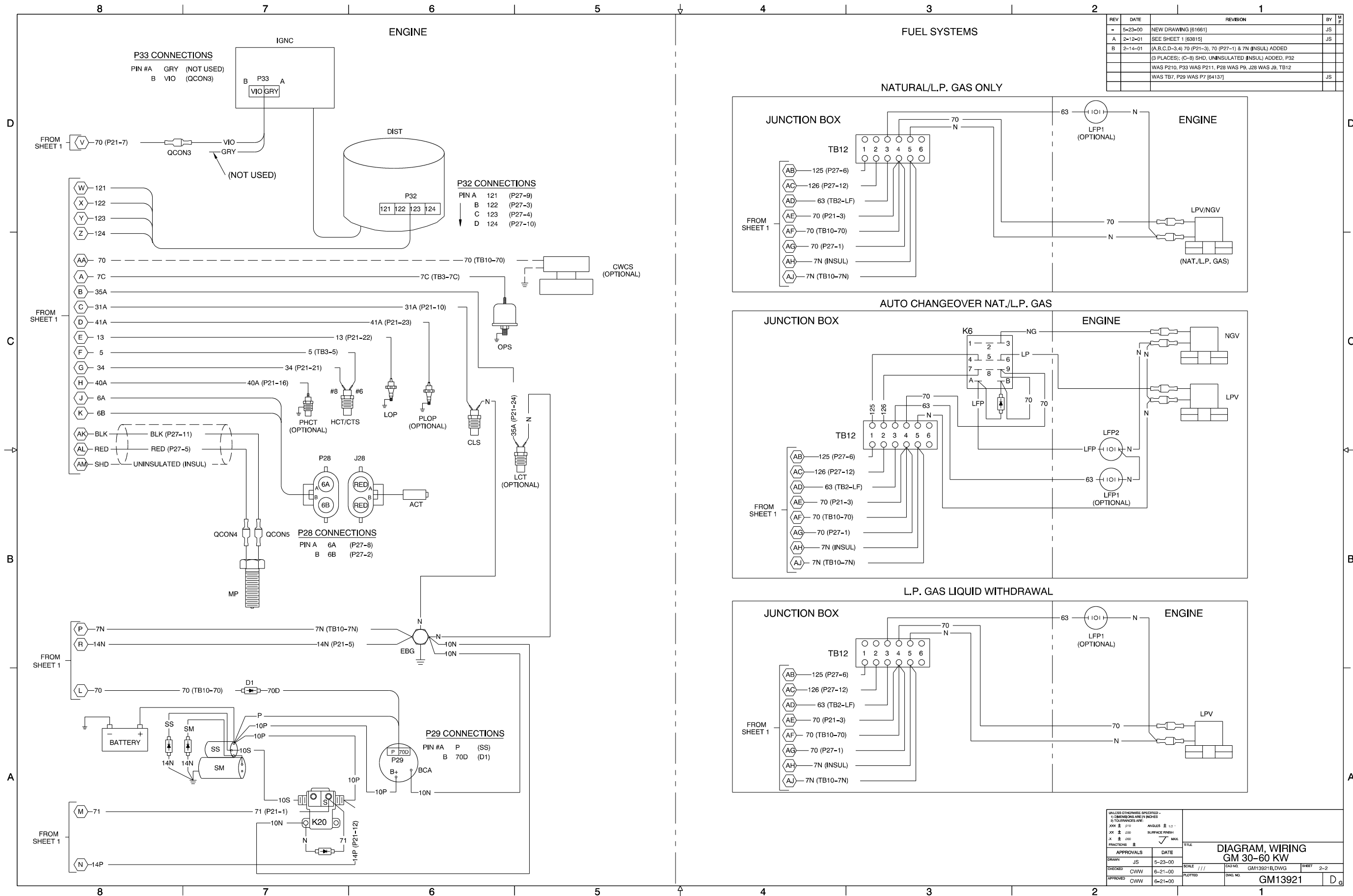
Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 1, GM13919A-B



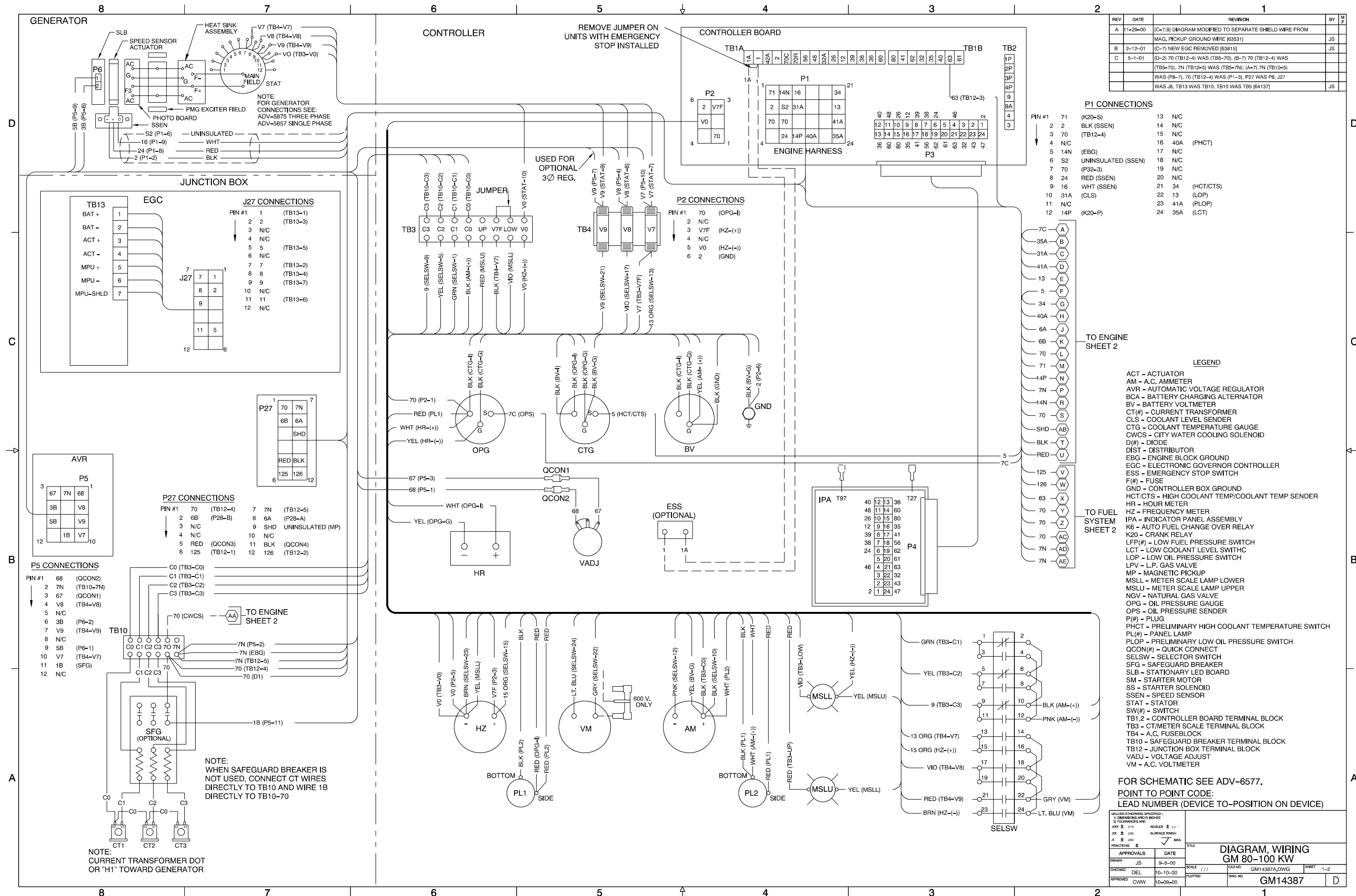
Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 2, GM13919B-B



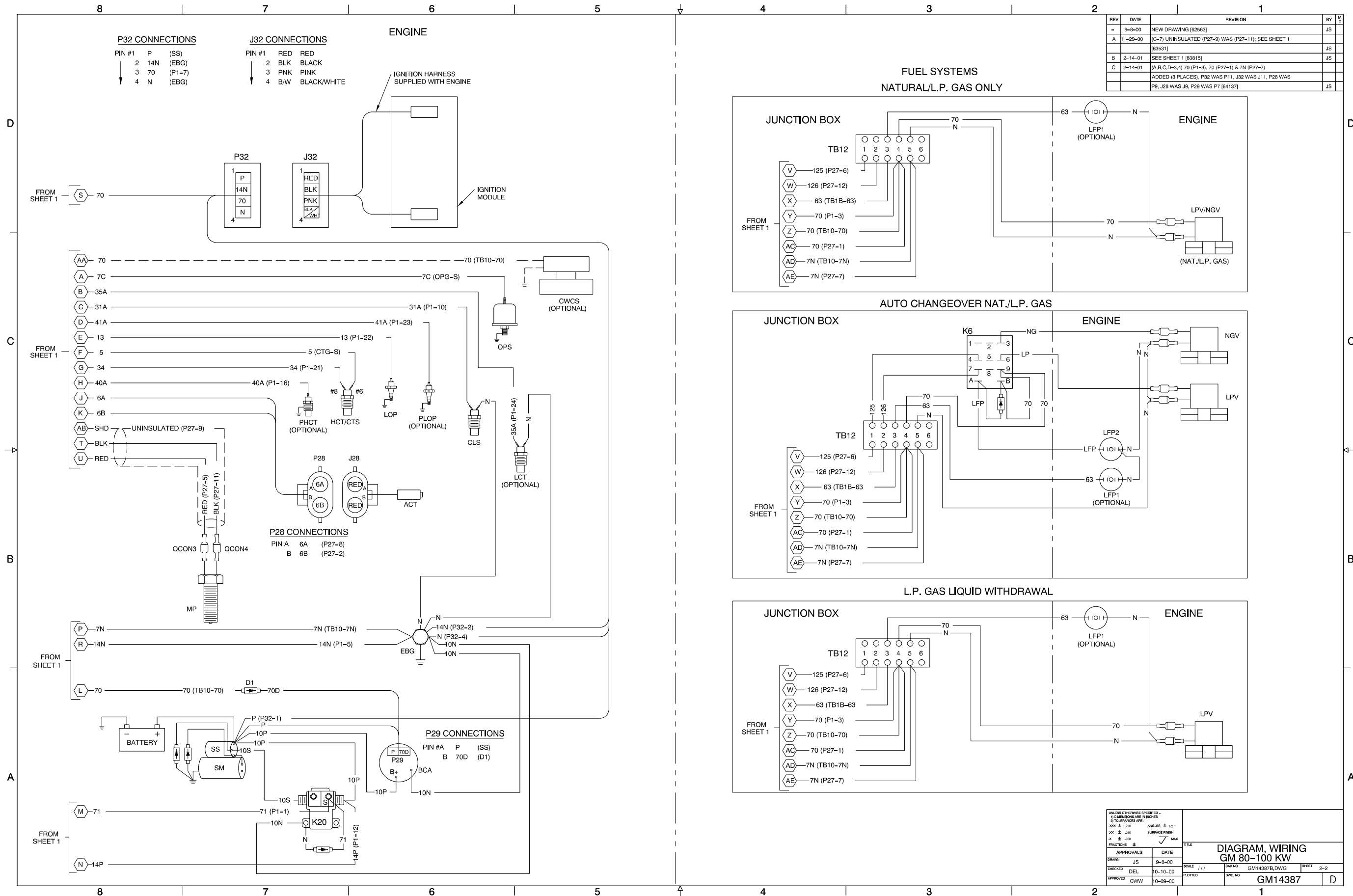
Decision-Maker™ 340 Controller, Point-to-Point Wiring Diagram, Sheet 1, GM13921A-B



Decision-Maker™ 340 Controller, Point-to-Point Wiring Diagram, Sheet 2, GM13921B-B



Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 1, GM14387A-C

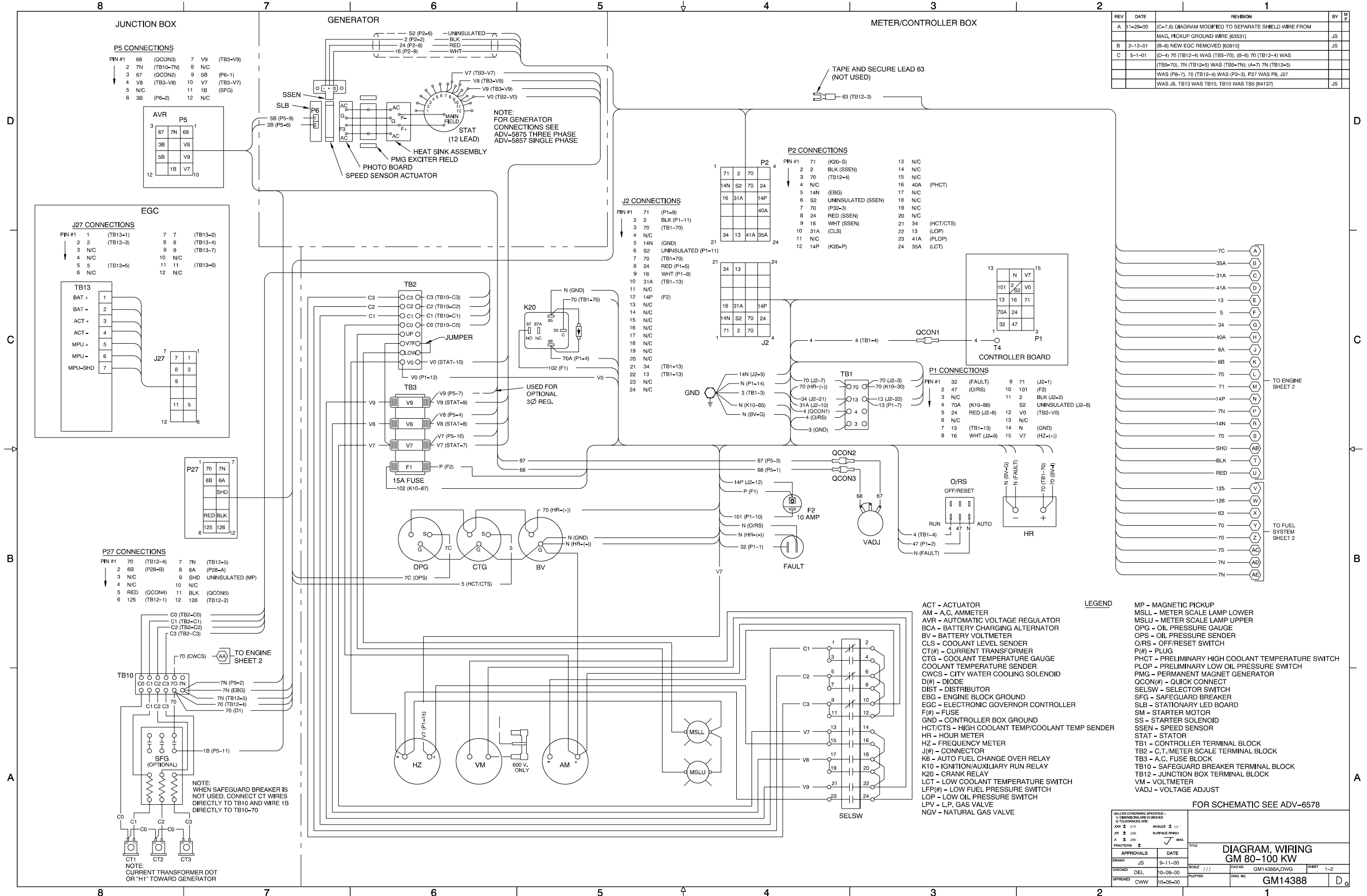


REV	DATE	REVISION	BY	APP
-	9-8-00	NEW DRAWING (82563)	JS	
A	11-29-00	(C-7) UNINSULATED (P27-9) WAS (P27-11); SEE SHEET 1 (83531)	JS	
B	2-14-01	SEE SHEET 1 (83815)	JS	
C	2-14-01	(A,B,C,D-3,4) 70 (P1-3), 70 (P27-1) & 7N (P27-7)		
		ADDED (3 PLACES); P32 WAS P11, J32 WAS J11, P28 WAS		
		P9, J28 WAS J9, P29 WAS P7 (84137)	JS	

APPROVALS		DATE	TITLE	
DRAWN	JS	9-8-00	DIAGRAM, WIRING	
CHECKED	DEL	10-10-00	SCALE	GM14387B,DWG
APPROVED	CWW	10-09-00	PLOTTED	GM14387

Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 2, GM14387B-C

REV	DATE	REVISION	BY	APP
A	11-29-00	(C-7,8) DIAGRAM MODIFIED TO SEPARATE SHIELD WIRE FROM MAG. PICKUP GROUND WIRE [63531]	JS	
B	2-12-01	(B-8) NEW EGC REMOVED [63815]	JS	
C	5-1-01	(D-4) 70 (TB12-4) WAS (TB5-70); (B-8) 70 (TB12-4) WAS (TB5-70), 7N (TB12-5) WAS (TB5-7N); (A-7) 7N (TB12-5) WAS (P8-7), 70 (TB12-4) WAS (P2-3), P27 WAS P8, J27 WAS J8, TB13 WAS TB10, TB10 WAS TB5 [64137]	JS	

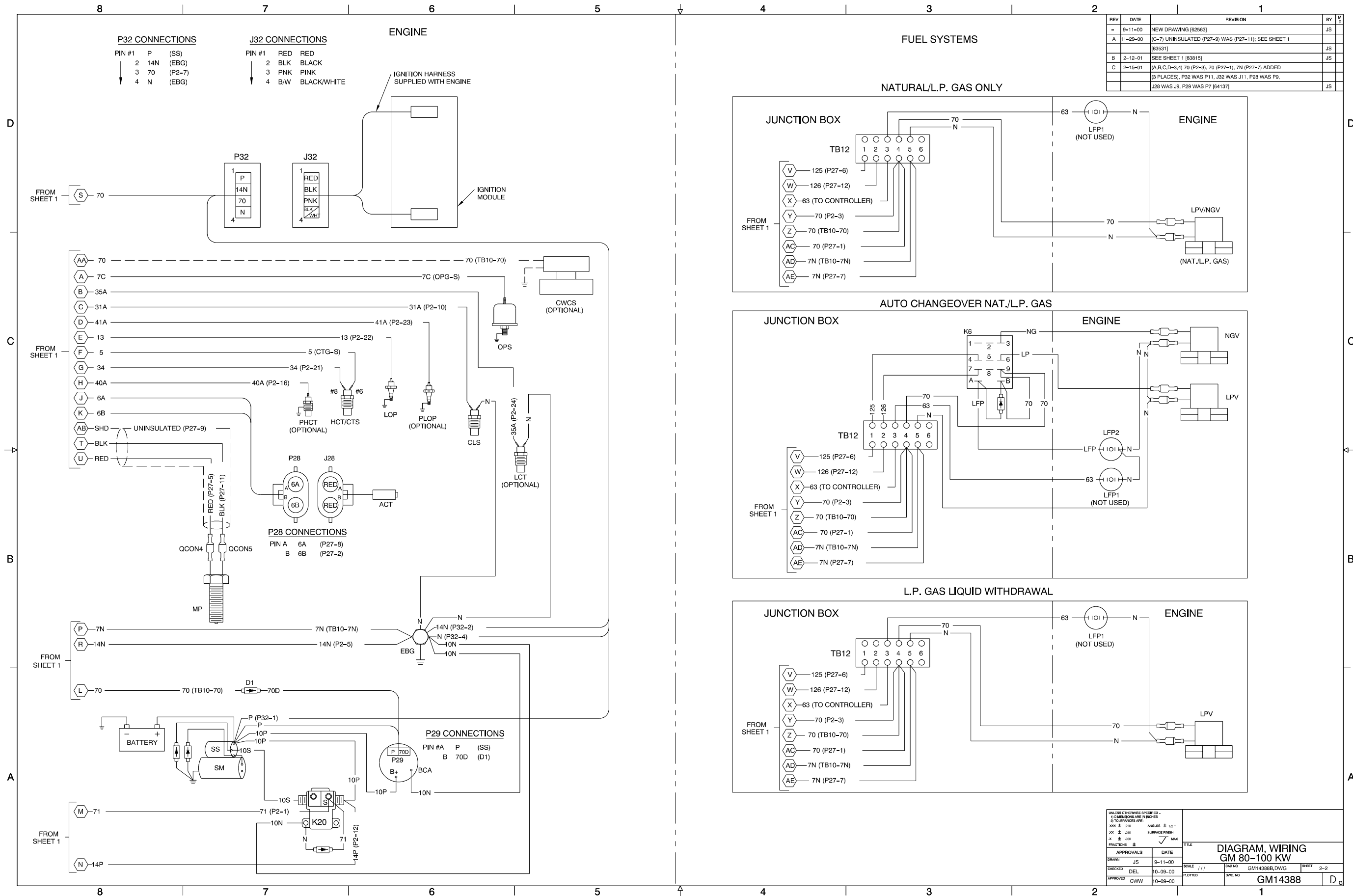


Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Point-to-Point Wiring Diagram, Sheet 1, GM14388A-C

FOR SCHEMATIC SEE ADV-6578

APPROVALS	DATE	TITLE
DRAWN JS	9-11-00	DIAGRAM, WIRING GM 80-100 KW
CHECKED DEL	10-09-00	SCALE: 1/1
APPROVED CWW	10-09-00	PLOTTED

DWG NO.	GM14388A.DWG	SHEET	1-2
DWG NO.	GM14388		



REV	DATE	REVISION	BY	APP
-	9-11-00	NEW DRAWING (82563)	JS	
A	11-29-00	(C-7) UNINSULATED (P27-9) WAS (P27-11); SEE SHEET 1 (83531)	JS	
B	2-12-01	SEE SHEET 1 (83815)	JS	
C	2-15-01	(A,B,C,D-3,4) 70 (P2-3), 70 (P27-1), 7N (P27-7) ADDED (3 PLACES); P32 WAS P11, J32 WAS J11, P28 WAS P9, J28 WAS J9, P29 WAS P7 (84137)	JS	

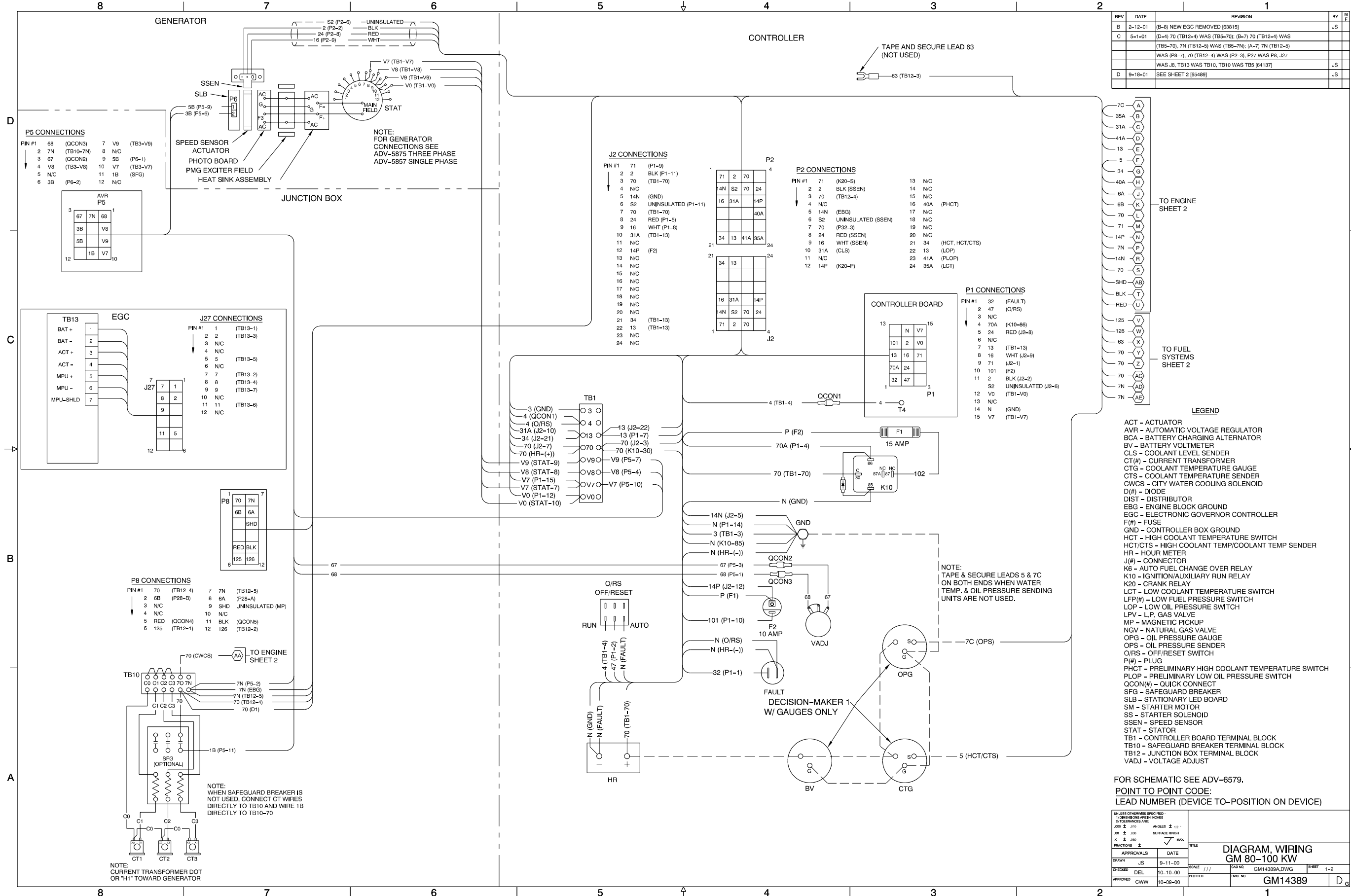
APPROVALS	DATE	TITLE
DRAWN JS	9-11-00	DIAGRAM, WIRING GM 80-100 KW
CHECKED DEL	10-09-00	SCALE: / / /
APPROVED CWW	10-09-00	PLOTTED

DESCRIPTIONS ARE	ANGLES	SURFACE FINISH	FRACCTIONS
1/8" DIMENSIONS ARE IN INCHES	1/16"	MAX	

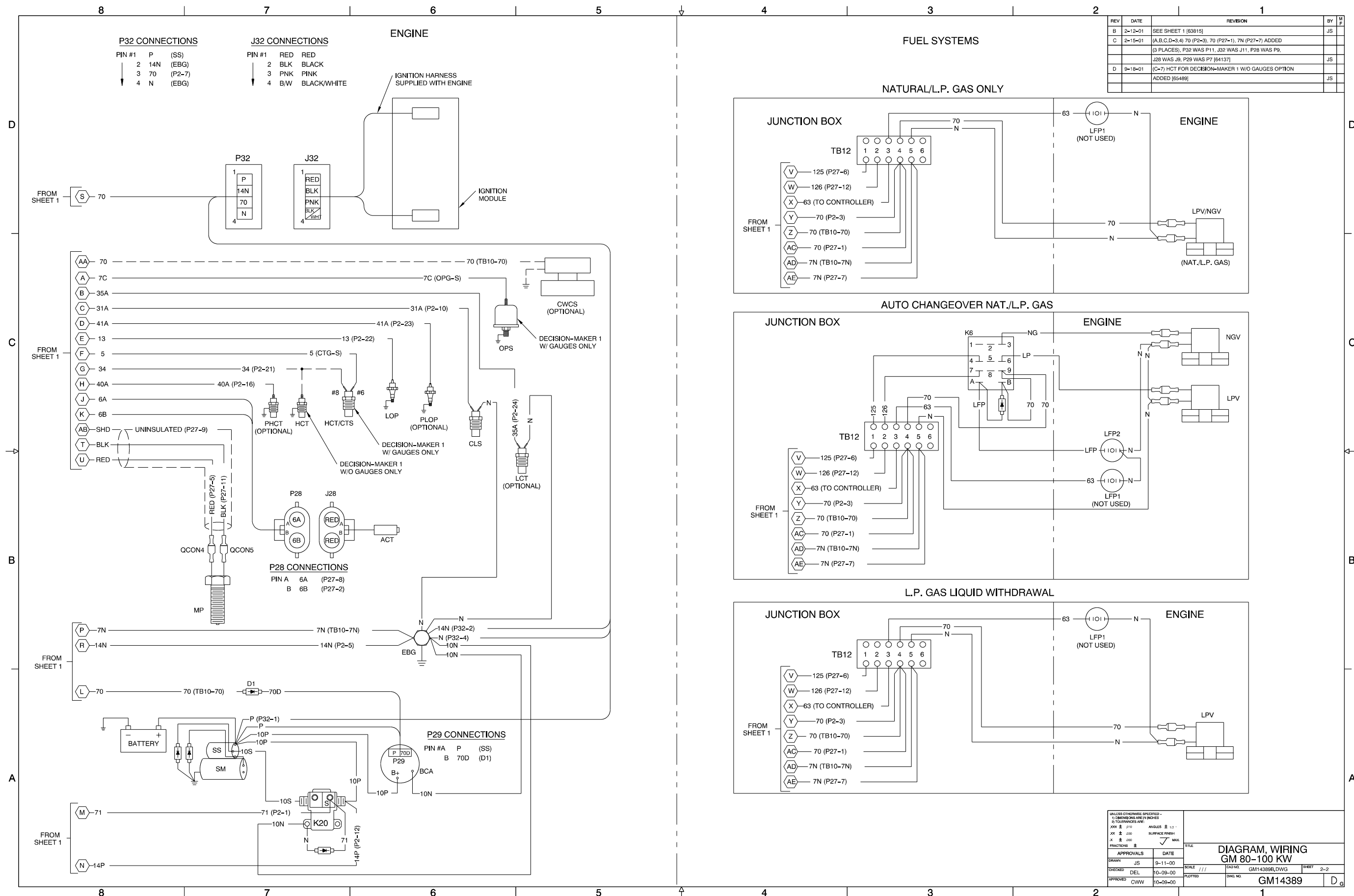
SCALE	CAD NO.	DWG NO.	SHEET
/ / /	GM14388B.DWG	GM14388	2-2

Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Point-to-Point Wiring Diagram, Sheet 2, GM14388B-C

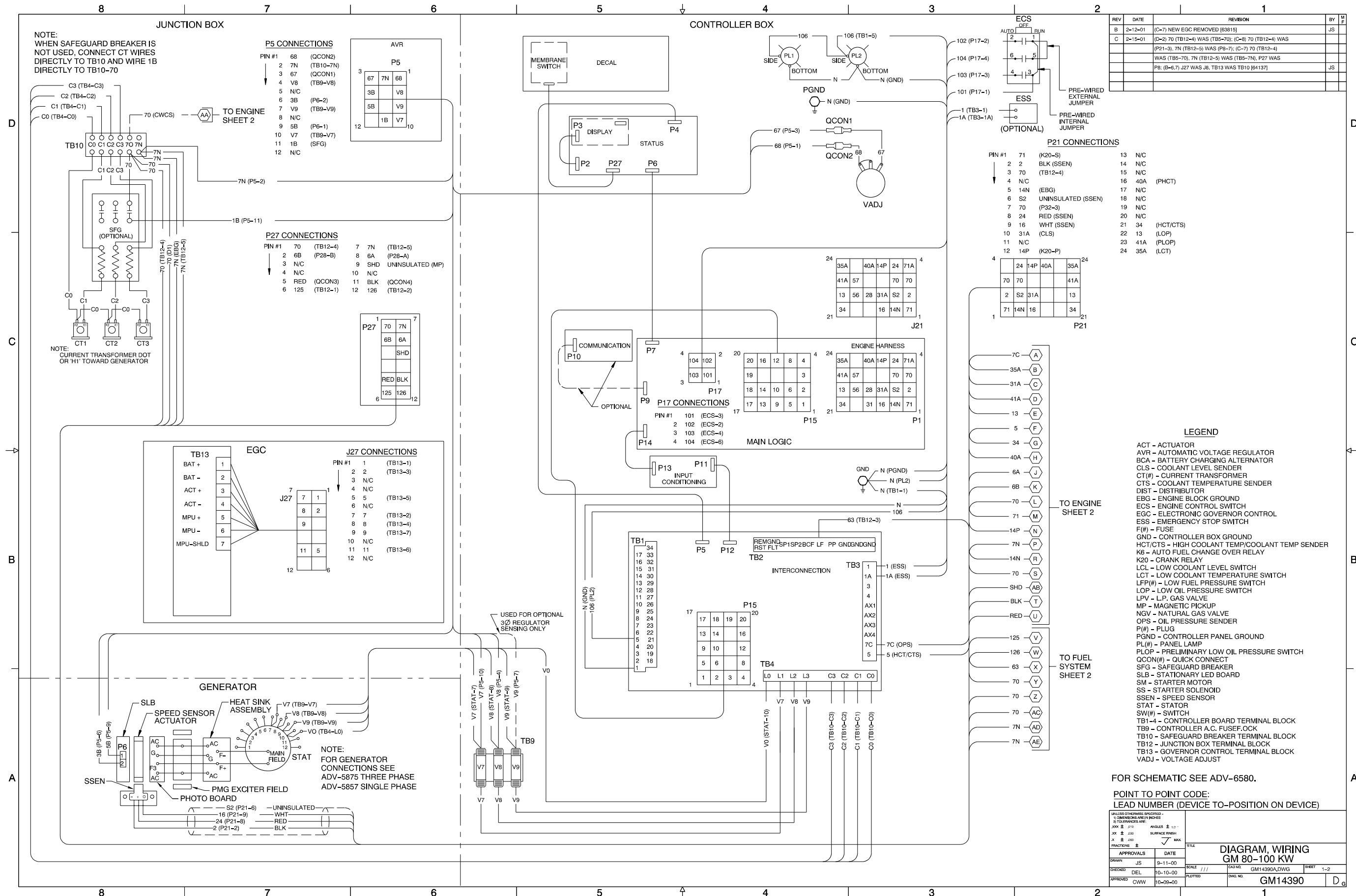
REV	DATE	REVISION	BY	APP
B	2-12-01	(B-6) NEW EGC REMOVED (63815)	JS	
C	5-1-01	(D-4) 70 (TB12-4) WAS (TB5-70); (B-7) 70 (TB12-4) WAS (TB5-70), 7N (TB12-5) WAS (TB5-7N); (A-7) 7N (TB12-5) WAS (PB-7), 70 (TB12-4) WAS (P2-3), P27 WAS PB, J27 WAS JB, TB13 WAS TB10, TB10 WAS TB5 (64137)	JS	
D	9-18-01	SEE SHEET 2 (65489)	JS	



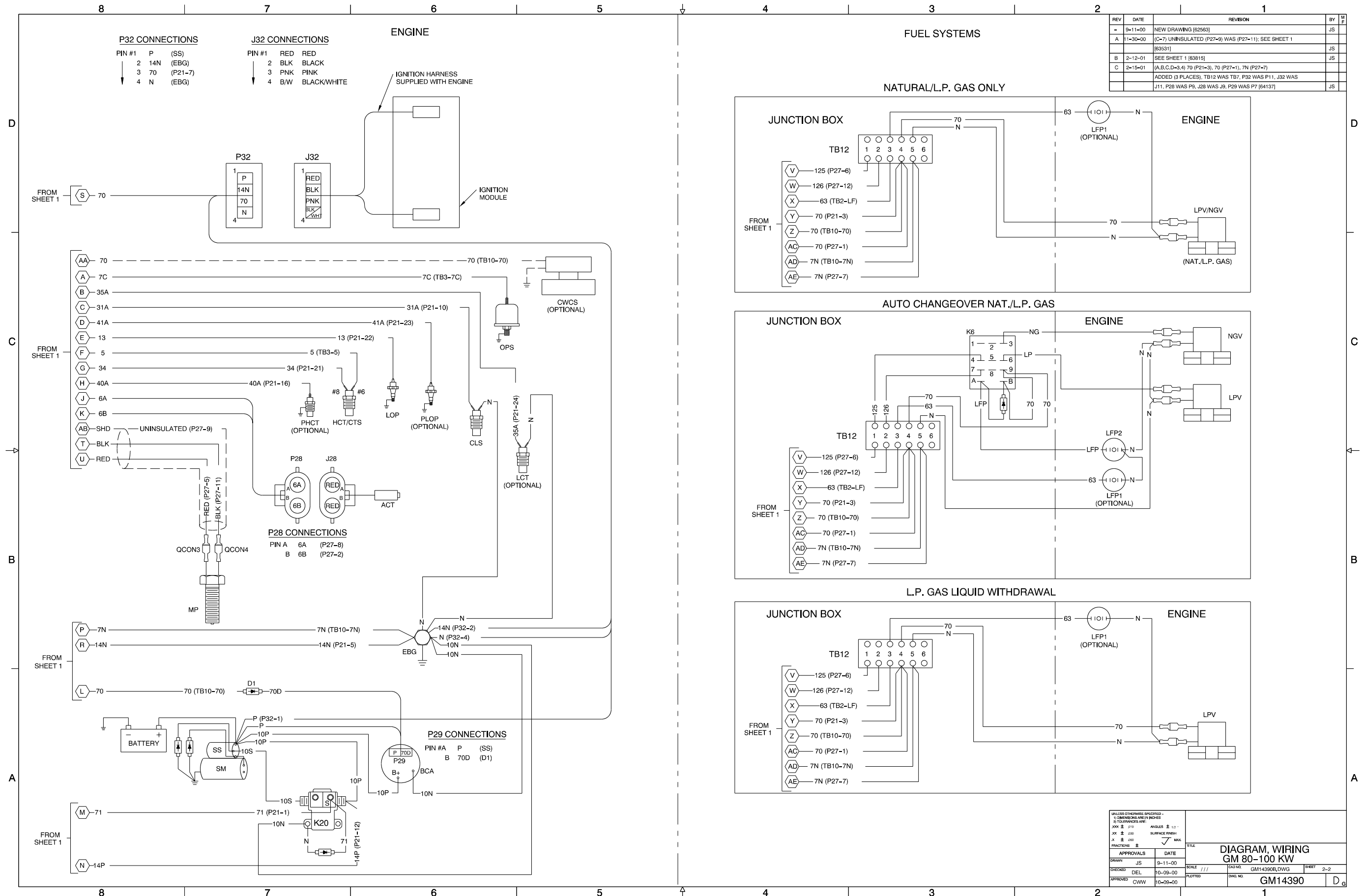
Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Point-to-Point Wiring Diagram, Sheet 1, GM14389A-D



Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Point-to-Point Wiring Diagram, Sheet 2, GM14389B-D



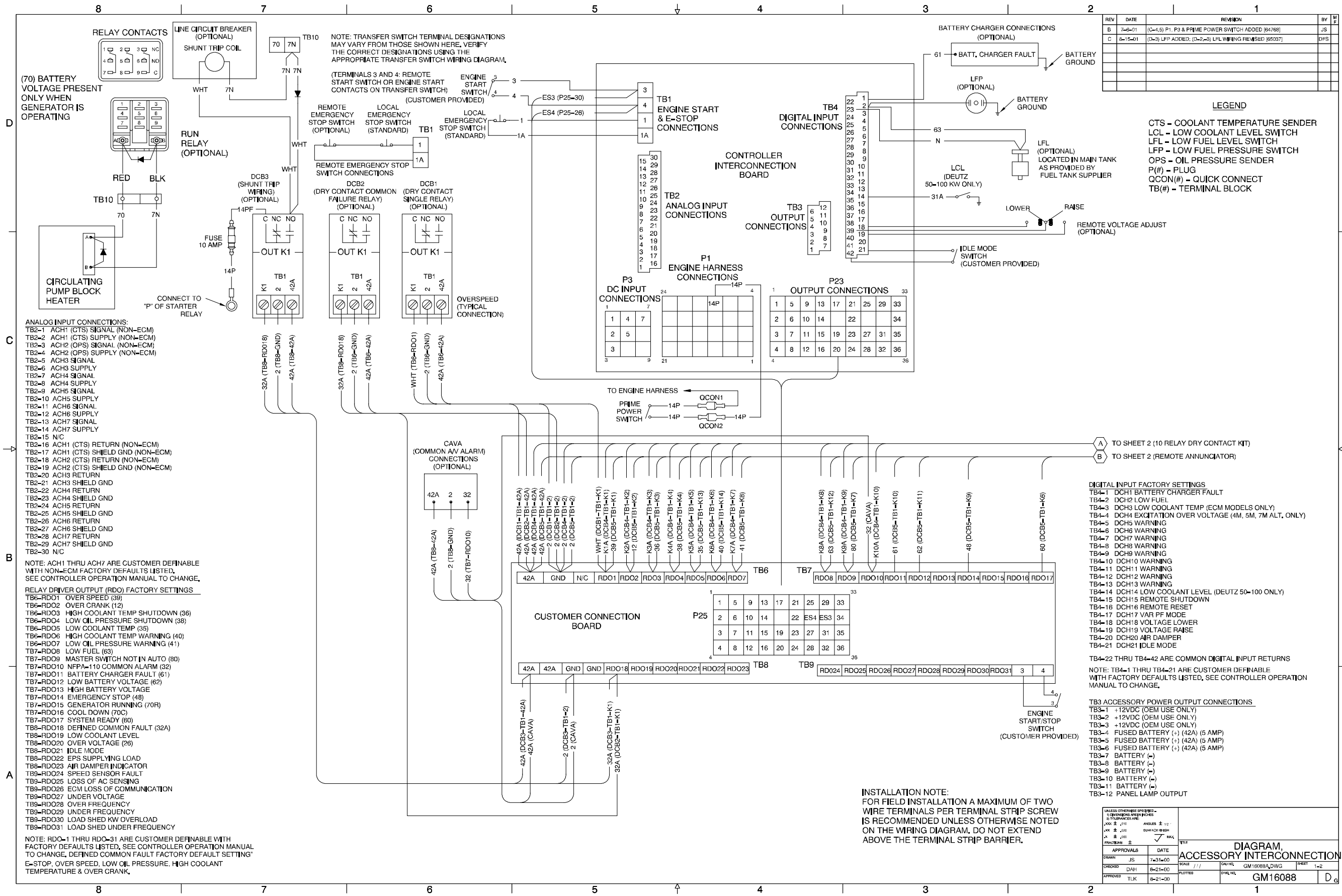
Decision-Maker™ 340 Controller, Point-to-Point Wiring Diagram, Sheet 1, GM14390A-C



REV	DATE	REVISION	BY	APP
-	9-11-00	NEW DRAWING (82563)	JS	
A	11-30-00	(C-7) UNINSULATED (P27-9) WAS (P27-11); SEE SHEET 1 (83531)	JS	
B	2-12-01	SEE SHEET 1 (83815)	JS	
C	2-15-01	(A,B,C,D-3,4) 70 (P21-3), 70 (P27-1), 7N (P27-7) ADDED (3 PLACES); TB12 WAS TB7, P32 WAS P11, J32 WAS J11, P28 WAS P9, J28 WAS J9, P29 WAS P7 (84137)	JS	

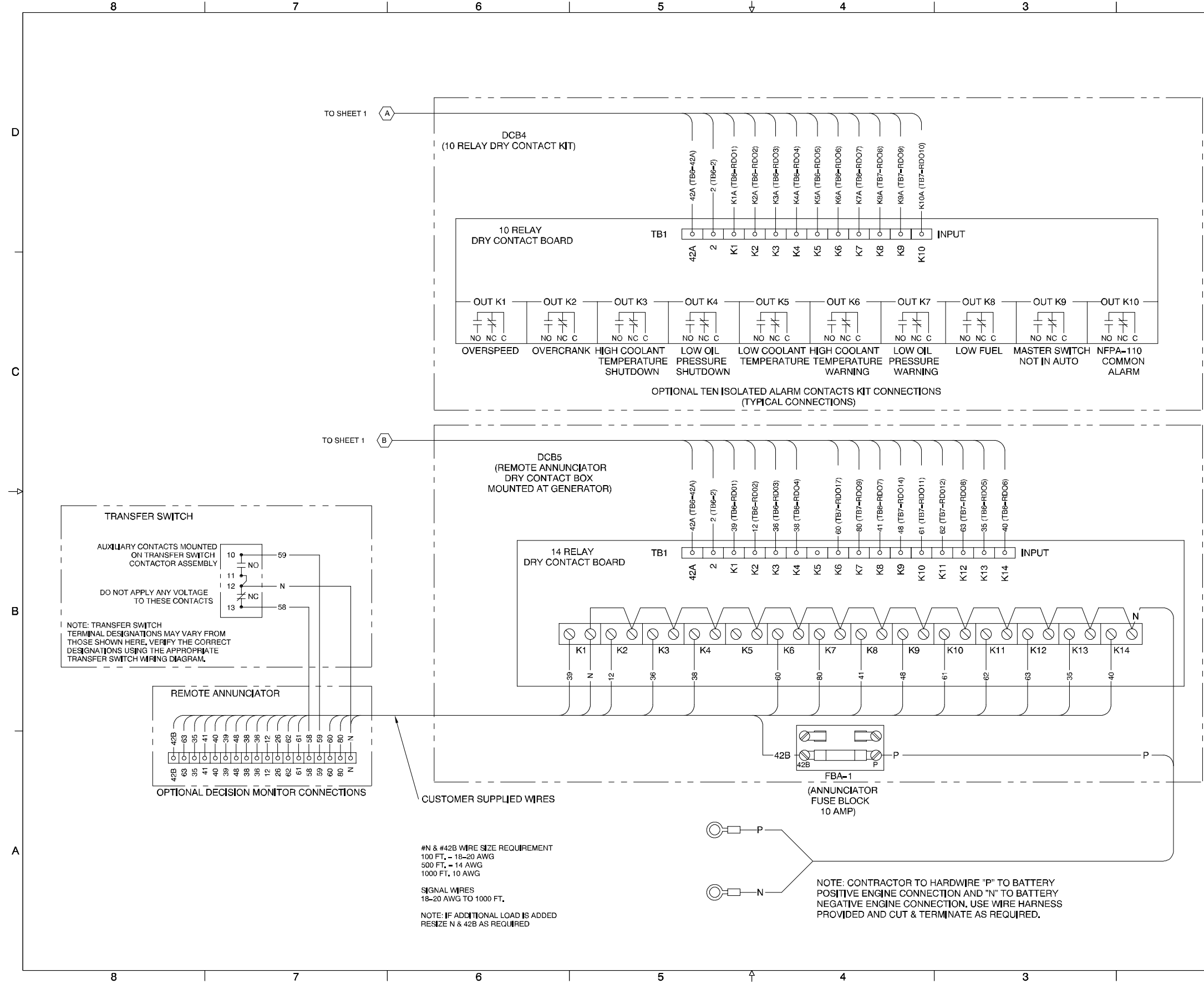
APPROVALS		DATE	TITLE	
DRAWN JS	9-11-00	SCALE	DIAGRAM, WIRING	
CHECKED DEL	10-09-00	DWG NO.	GM14390B,DWG	
APPROVED CWW	10-09-00	PLOTTED	GM14390	
		SHEET	2-2	
		DWG NO.	GM14390	
		BY	D	

Decision-Maker™ 340 Controller, Point-to-Point Wiring Diagram, Sheet 2, GM14390B-C



Decision-Maker™ 550 Controller, Accessory Connections, Accessories, GM16088A-C

REV	DATE	REVISION	BY	CHK
B	7-9-01	(C-2-5) OPTIONAL OUTPUTS K3 THRU K10 RENAMED- SEE SHEET 1 [64768]	JS	
C	8-15-01	SEE SHEET 1 OF 2 [65037]	DFS	

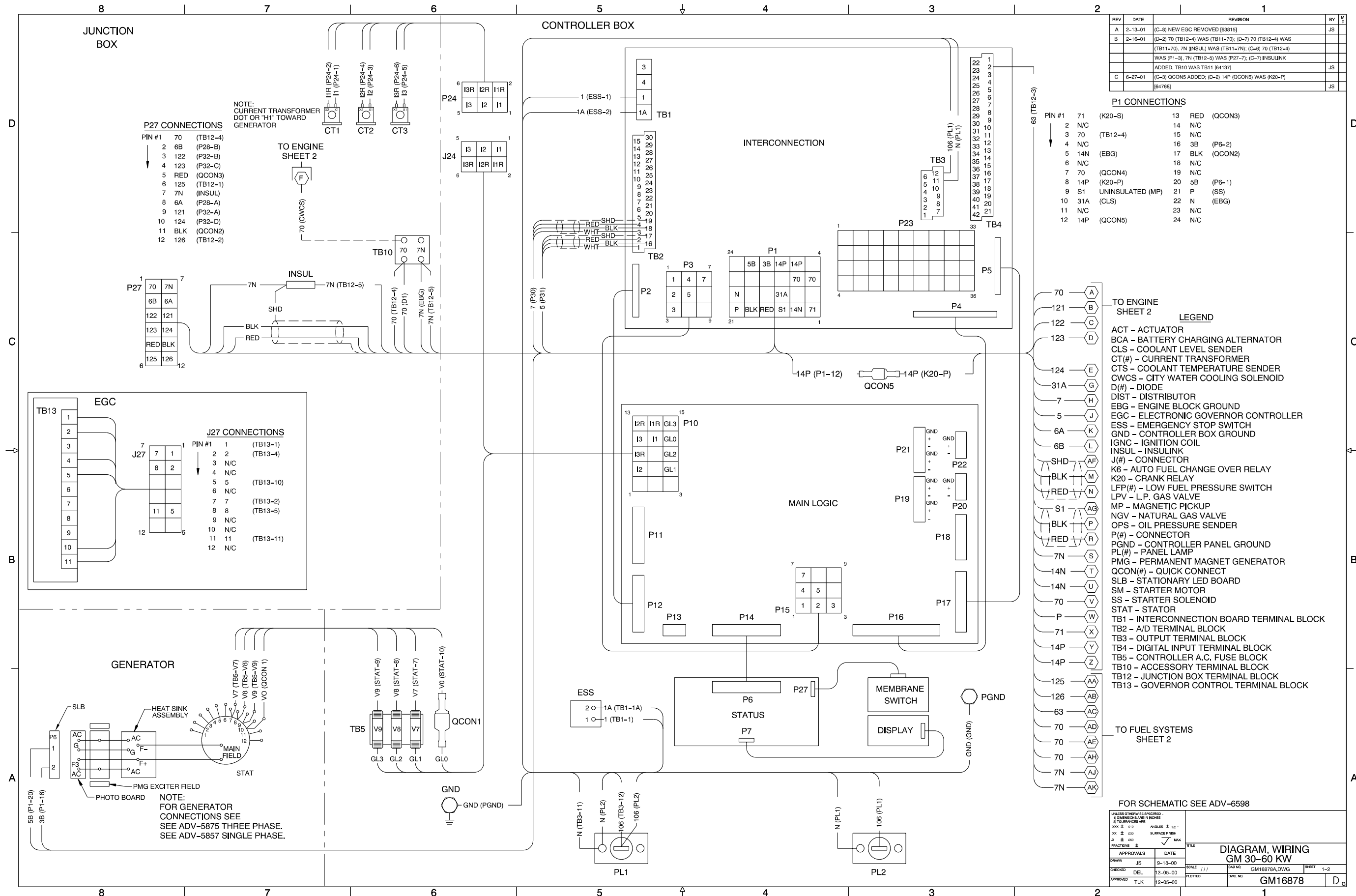


APPROVALS	DATE	BY
DESIGNED: JS	8-1-00	
CHECKED: DAH	8-21-00	
APPROVED: TLK	8-21-00	

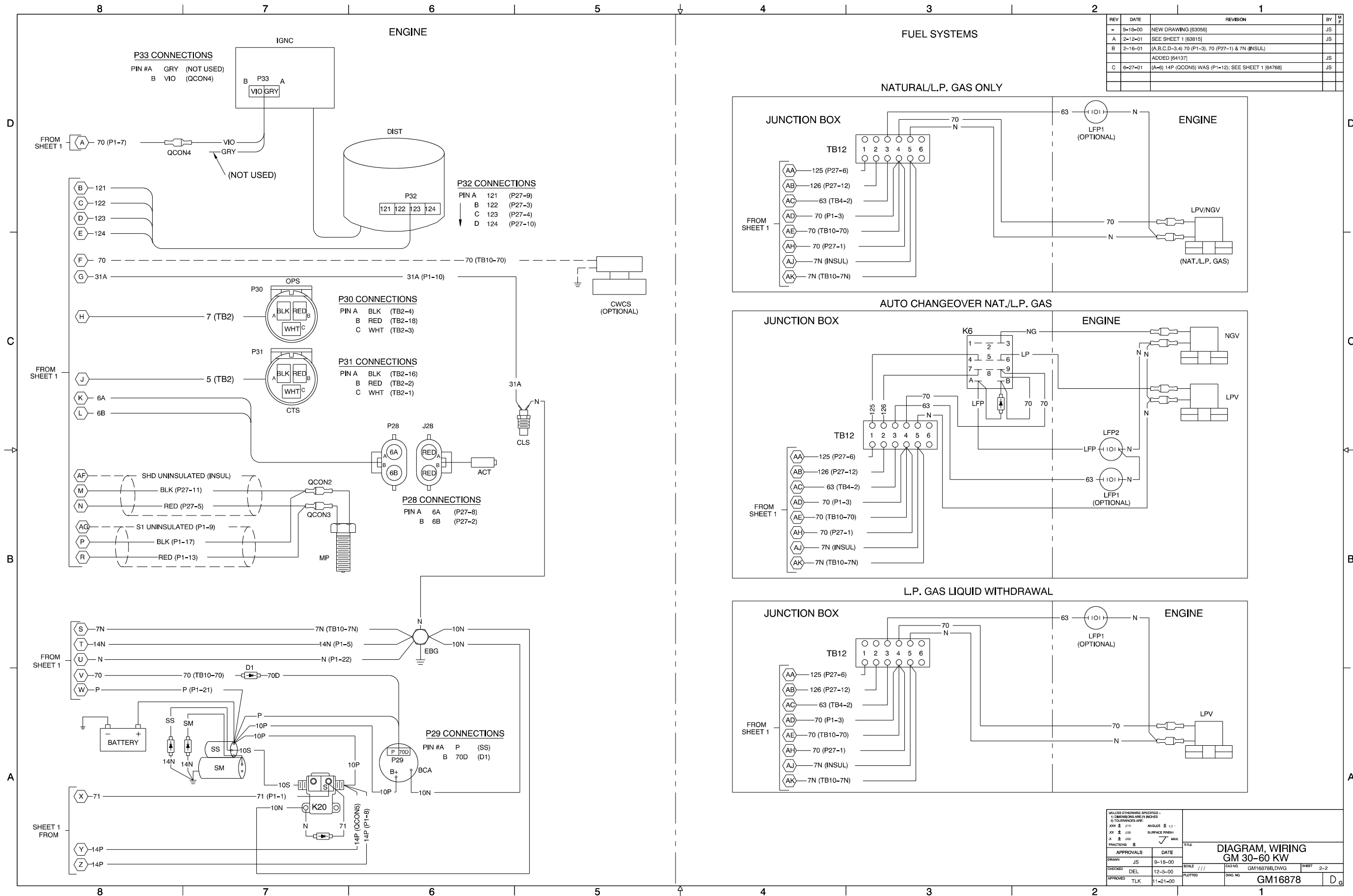
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS ARE IN MILLIMETERS	ANGLES ± 1°	SCALE: 1:1	DATE: 8-1-00	BY: JS
FINISH: ± .010	SURFACE FINISH: ✓ MAX	SCALE: 1:1	DATE: 8-21-00	BY: DAH
FINISH: ± .010	SURFACE FINISH: ✓ MAX	SCALE: 1:1	DATE: 8-21-00	BY: TLK

DIAGRAM		DATE	
ACCESSORY INTERCONNECTION		8-1-00	
DESIGNED: DAH	SCALE: 1:1	DATE: 8-21-00	BY: DAH
APPROVED: TLK	SCALE: 1:1	DATE: 8-21-00	BY: TLK
GM16088B-DWG		SHEET 2-2	
GM16088		D	

Decision-Maker™ 340 Controller, Accessory Connections, Remote Annunciator Kit, GM16088B-C



Decision-Maker™ 550 Controller, Point-to-Point Wiring Diagram, Sheet 1, GM16878A-C



Decision-Maker™ 550 Controller, Point-to-Point Wiring Diagram, Sheet 2, GM16878B-C

REV	DATE	REVISION	BY	APP
A	2-12-01	(C-8) NEW EGC REMOVED [63815]	JS	
B	2-16-01	(C-6) 70 (TB12-4) WAS (P1-3); 7N (TB12-5) WAS (P27-7); 70 & N TO FUEL SYSTEM REMOVED, TB10 WAS TB11; (D-7) 70 (TB12-4) WAS (TB11-70), 7N (TB12-5) WAS (TB11-7N) [64137]	JS	
C	6-28-01	(C-3) QCON4 ADDED; (D-2) 14P (QCON4) WAS (K20-P) [64766]	JS	

P1 CONNECTIONS

PIN #1	71 (K20-S)	13 RED (QCON3)
2	N/C	14 N/C
3	70 (TB12-4)	15 N/C
4	N/C	16 3B (P6-2)
5	14N (EBG)	17 BLK (QCON2)
6	N/C	18 N/C
7	70 (P32-3)	19 N/C
8	14P (K20-P)	20 5B (P6-1)
9	S1 UNINSULATED (MP)	21 P (SS)
10	31A (CLS)	22 N (EBG)
11	N/C	23 N/C
12	14P (QCON4)	24 N/C

LEGEND

- ACT - ACTUATOR
- BCA - BATTERY CHARGING ALTERNATOR
- CLS - COOLANT LEVEL SENDER
- CT(#)- CURRENT TRANSFORMER
- CTS - COOLANT TEMPERATURE SENDER
- CWCS - CITY WATER COOLING SOLENOID
- D(#)- DIODE
- EBG - ENGINE BLOCK GROUND
- EGC - ELECTRONIC GOVERNOR CONTROLLER
- ESS - EMERGENCY STOP SWITCH
- GND - CONTROLLER BOX GROUND
- J(#)- CONNECTOR
- K6 - AUTO FUEL CHANGE OVER RELAY
- K20 - CRANK RELAY
- LFP(#)- LOW FUEL PRESSURE SWITCH
- LPV - L.P. GAS VALVE
- MP - MAGNETIC PICKUP
- NGV - NATURAL GAS VALVE
- OPS - OIL PRESSURE SENDER
- P(#)- CONNECTOR
- PGND - CONTROLLER PANEL GROUND
- PL(#)- PANEL LAMP
- PMG - PERMANENT MAGNET GENERATOR
- QCON(#)- QUICK CONNECT
- SLB - STATIONARY LED BOARD
- SM - STARTER MOTOR
- SS - STARTER SOLENOID
- STAT - STATOR
- TB1 - INTERCONNECTION BOARD TERMINAL BLOCK
- TB2 - A/D TERMINAL BLOCK
- TB3 - OUTPUT TERMINAL BLOCK
- TB4 - DIGITAL INPUT TERMINAL BLOCK
- TB5 - CONTROLLER A.C. FUSE BLOCK
- TB10 - ACCESSORY TERMINAL BLOCK
- TB12 - JUNCTION BOX TERMINAL BLOCK
- TB13 - GOVERNOR CONTROL TERMINAL BLOCK

TO SHEET 2

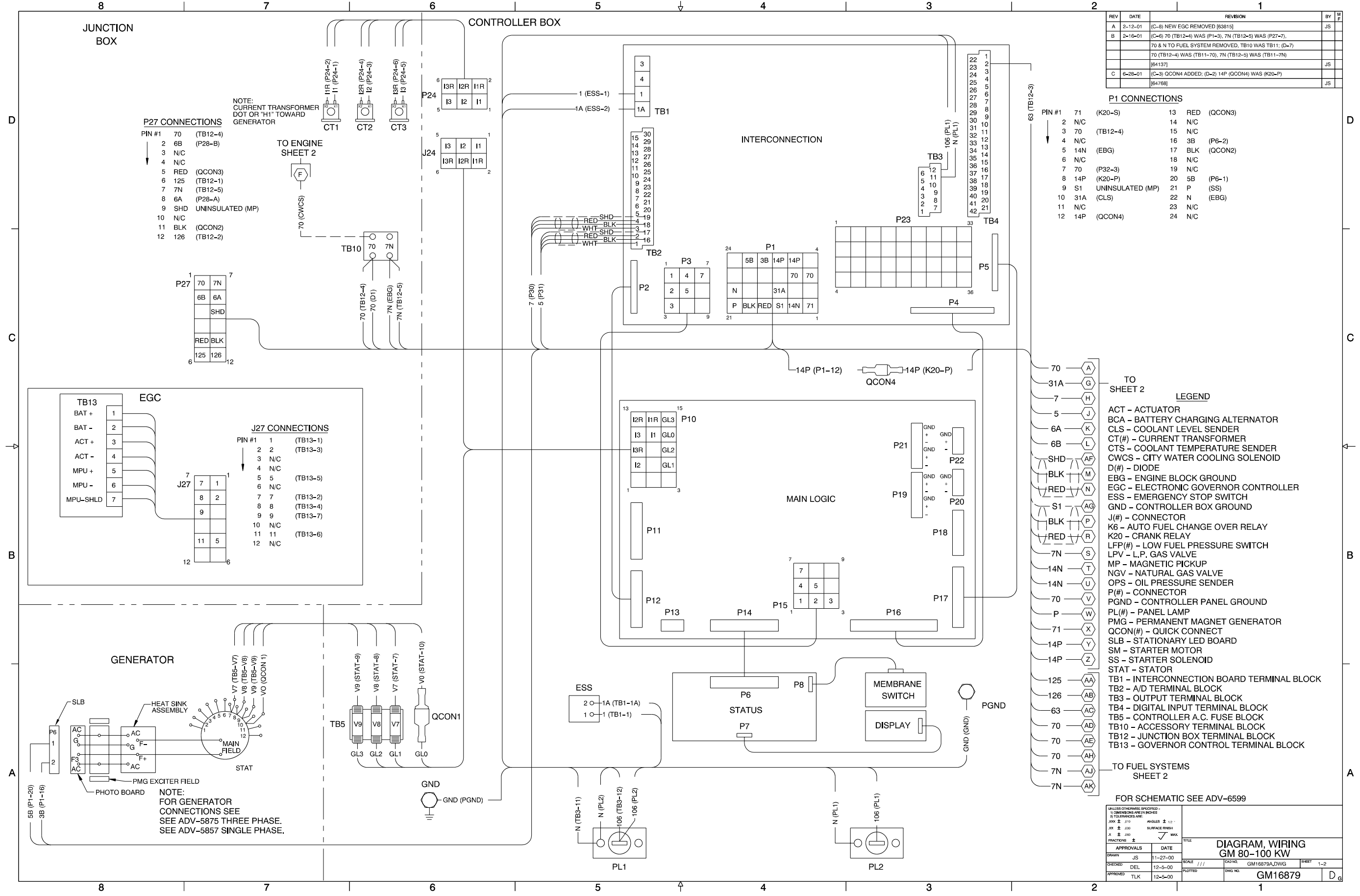
- 70 (A)
- 31A (G)
- 7 (H)
- 5 (J)
- 6A (K)
- 6B (L)
- SHD (AF)
- BLK (M)
- RED (N)
- S1 (AG)
- BLK (P)
- RED (R)
- 7N (S)
- 14N (T)
- 14N (U)
- 70 (V)
- P (W)
- 71 (X)
- 14P (Y)
- 14P (Z)
- 125 (AA)
- 126 (AB)
- 63 (AC)
- 70 (AD)
- 70 (AE)
- 70 (AH)
- 7N (AJ)
- 7N (AK)

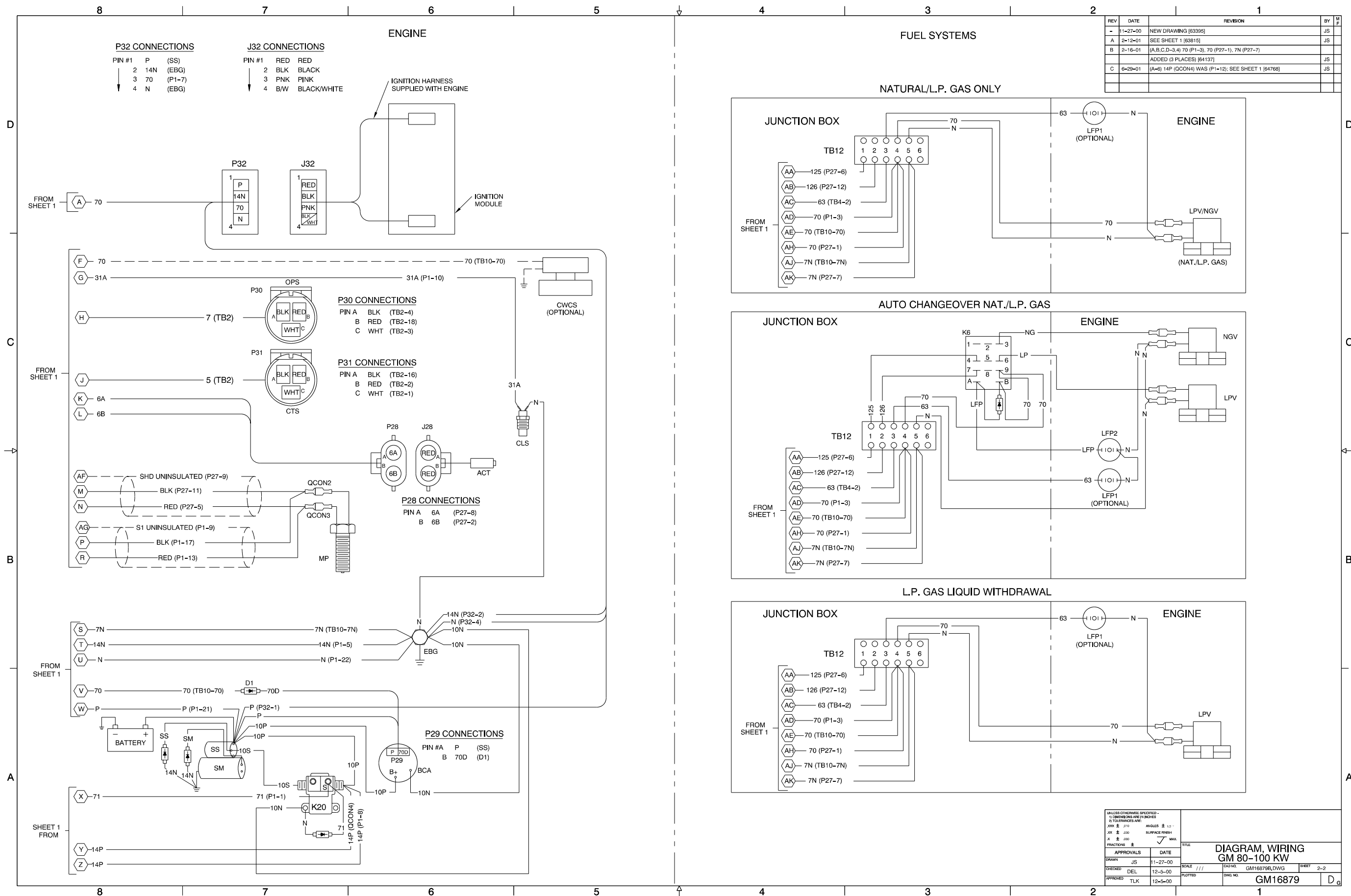
TO FUEL SYSTEMS SHEET 2

- 70 (V)
- 70 (AE)
- 70 (AH)
- 7N (AJ)
- 7N (AK)

FOR SCHEMATIC SEE ADV-6599

APPROVALS	DATE	TITLE
DRAWN JS	11-27-00	DIAGRAM, WIRING
CHECKED DEL	12-5-00	GM 80-100 KW
APPROVED TLK	12-5-00	GM16879





REV	DATE	REVISION	BY	APP
-	11-27-00	NEW DRAWING (83395)	JS	
A	2-12-01	SEE SHEET 1 (83815)	JS	
B	2-16-01	(A,B,C,D-3,4) 70 (P1-3), 70 (P27-1), 7N (P27-7) ADDED (3 PLACES) (84137)	JS	
C	6-29-01	(A-B) 14P (OCON4) WAS (P1-12); SEE SHEET 1 (84768)	JS	

APPROVALS		DATE	TITLE	
DRAWN	JS	11-27-00	DIAGRAM, WIRING GM 80-100 KW	
CHECKED	DEL	12-5-00	SCALE	///
APPROVED	TLK	12-5-00	DWG. NO.	GM16879
			SHEET	2-2
			PLOTTED	

Decision-Maker™ 550 Controller, Point-to-Point Wiring Diagram, Sheet 2, GM16879B-C

REV	DATE	REVISION	BY	APP
-	6-7-01	NEW DRAWING (04899)	DFS	
A	7-10-01	SEE SHEET 2 OF 2 (05179)	DFS	

LEGEND

- AM - A.C. AMMETER
- AVR - AUTOMATIC VOLTAGE REGULATOR
- BCA - BATTERY CHARGING ALTERNATOR
- BV - BATTERY VOLTMETER
- CT(#)- CURRENT TRANSFORMER
- CLS - COOLANT LEVEL SENDER
- CTG - COOLANT TEMPERATURE GAUGE
- CWCS - CITY WATER COOLING SOLENOID
- D(#)- DIODE
- DIST - DISTRIBUTOR
- EBG - ENGINE BLOCK GROUND
- EGG/ACT - ELECTRONIC GOVERNOR CONTROLLER/ACTUATOR
- ESS - EMERGENCY STOP SWITCH
- F(#)- FUSE
- GND - CONTROLLER BOX GROUND
- HCT/CTS - HIGH COOLANT TEMP/COOLANT TEMP SENDER
- HR - HOUR METER
- HZ - FREQUENCY METER
- IPA - INDICATOR PANEL ASSEMBLY
- INSUL - INSULINK
- J(#)- JACK
- K6 - AUTO FUEL CHANGE OVER RELAY
- K20 - CRANK RELAY
- LFF(#)- LOW FUEL PRESSURE SWITCH
- LCT - LOW COOLANT LEVEL SWITCH
- LOP - LOW OIL PRESSURE SWITCH
- LPV - L.P. GAS VALVE
- MP - MAGNETIC PICKUP
- MSLL - METER SCALE LAMP LOWER
- MSLU - METER SCALE LAMP UPPER
- NGV - NATURAL GAS VALVE
- OPG - OIL PRESSURE GAUGE
- OPS - OIL PRESSURE SENDER
- P(#)- PLUG
- PHCT - PRELIMINARY HIGH COOLANT TEMPERATURE SWITCH
- PL(#)- PANEL LAMP
- PLOP - PRELIMINARY LOW OIL PRESSURE SWITCH
- PMG - PERMANENT MAGNET GENERATOR
- QCON(#)- QUICK CONNECT
- SELV - SELECTOR SWITCH
- SFG - SAFEGUARD BREAKER
- SLB - STATIONARY LED BOARD
- SM - STARTER MOTOR
- SS - STARTER SOLENOID
- SSEN - SPEED SENSOR
- STAT - STATOR
- SW(#)- SWITCH
- TB1,2 - CONTROLLER BOARD TERMINAL BLOCK
- TB3 - CT/METER SCALE TERMINAL BLOCK
- TB4 - A.C. FUSEBLOCK
- TB10 - SAFEGUARD BREAKER TERMINAL BLOCK
- TB12 - JUNCTION BOX TERMINAL BLOCK
- TERM(#)- SPADE TERMINAL
- VADJ - VOLTAGE ADJUST
- VM - A.C. VOLTMETER

FOR SCHEMATIC SEE ADV-6658.

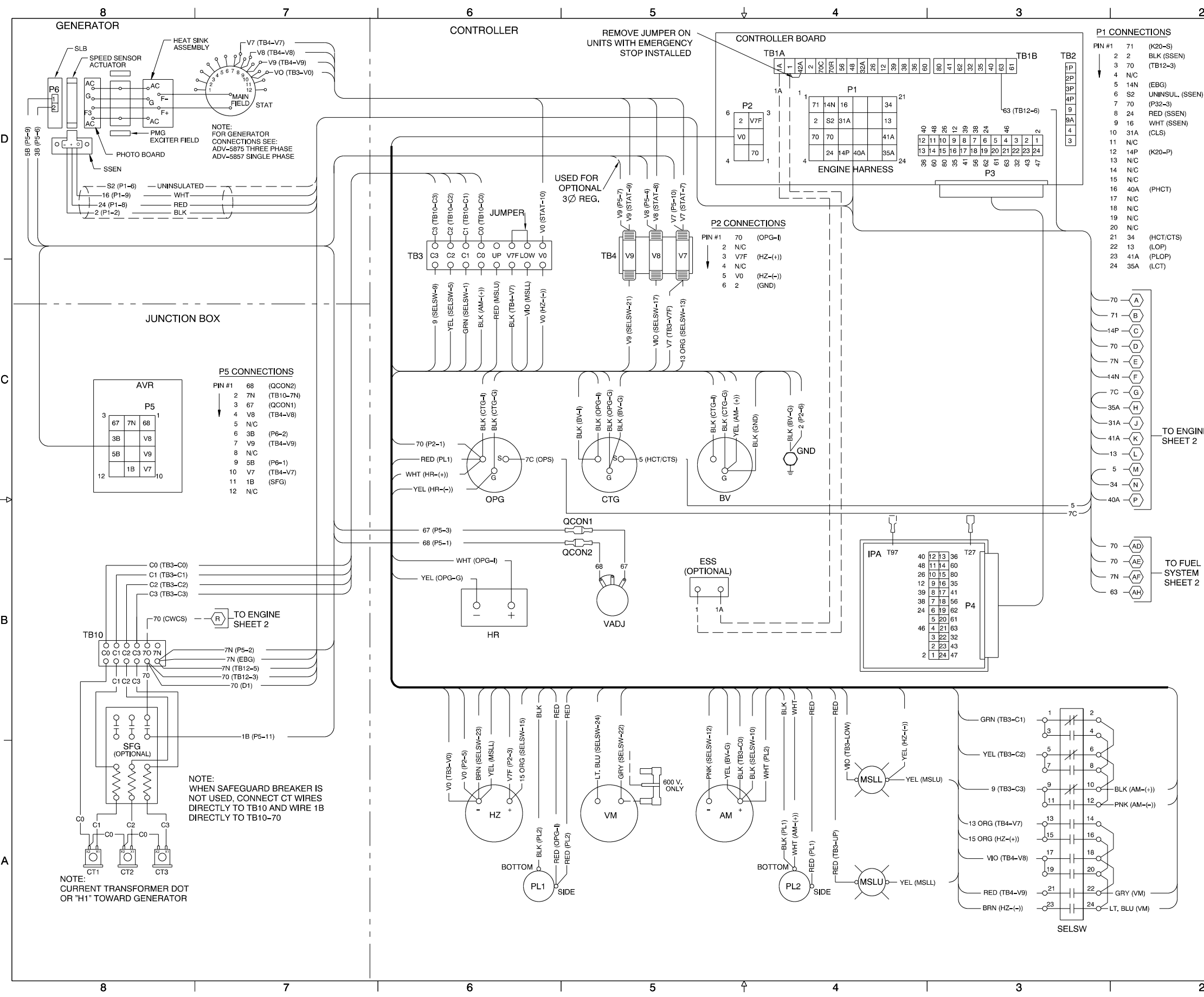
POINT TO POINT CODE:
LEAD NUMBER (DEVICE TO-POSITION ON DEVICE)

APPROVALS	DATE	TITLE
DRAWN DFS	6-07-01	DIAGRAM, WIRING
CHECKED DEL	8-06-01	GM 80-125 KW
APPROVED CWW	7-30-01	

SCALE: 1" = 1'-0"

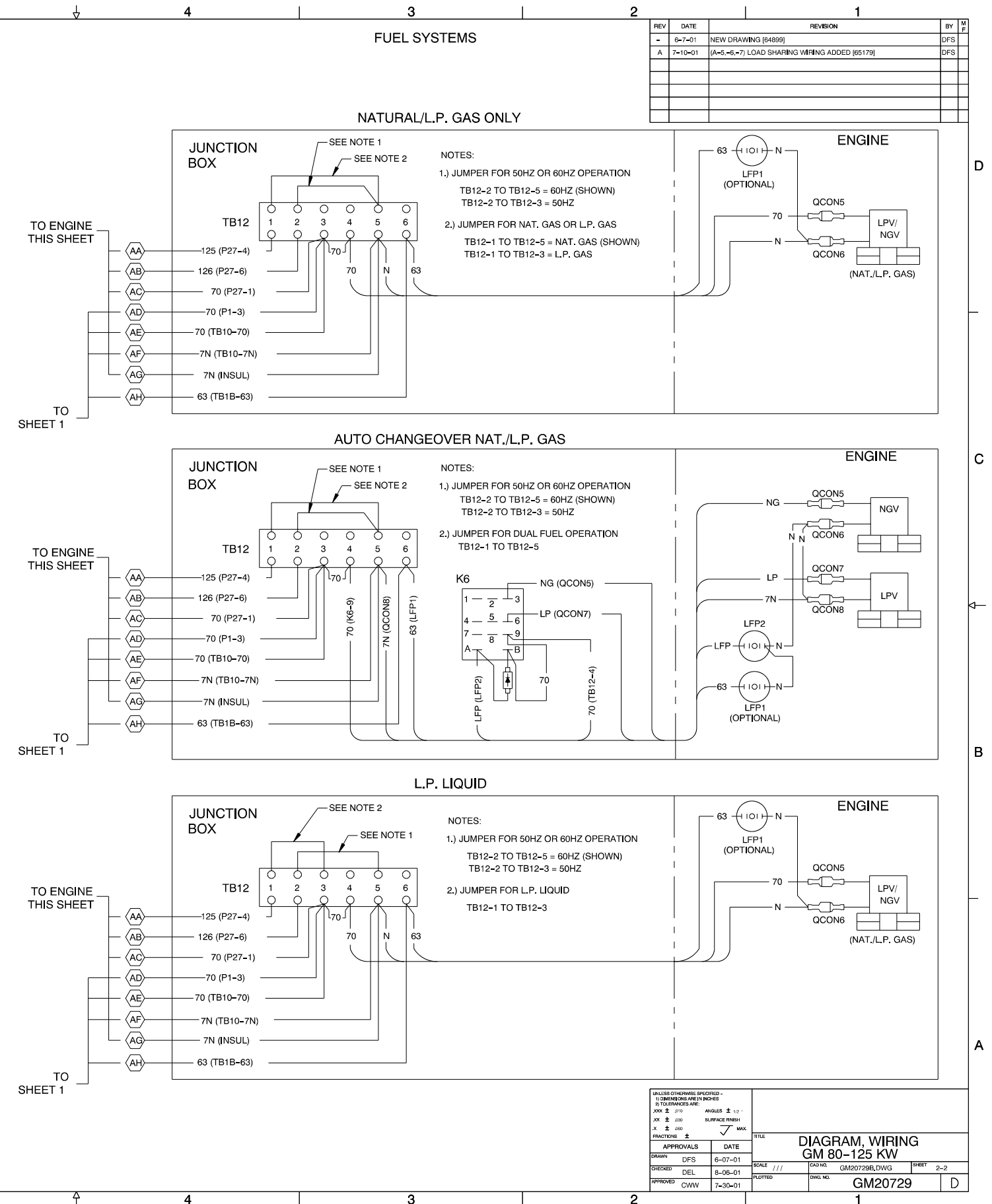
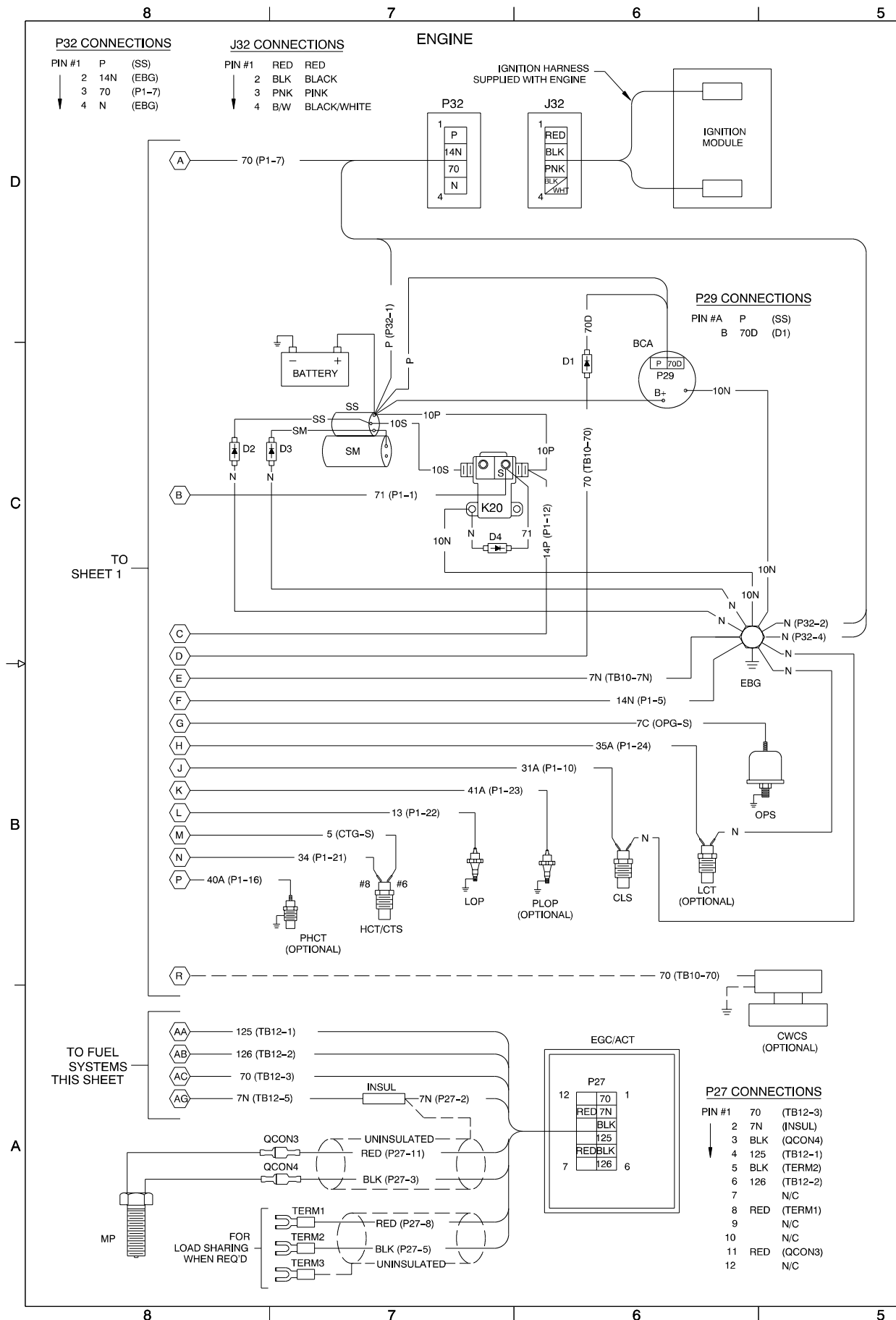
DWG NO: GM20729A

SHEET 1-2



Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 1, GM20729A-A

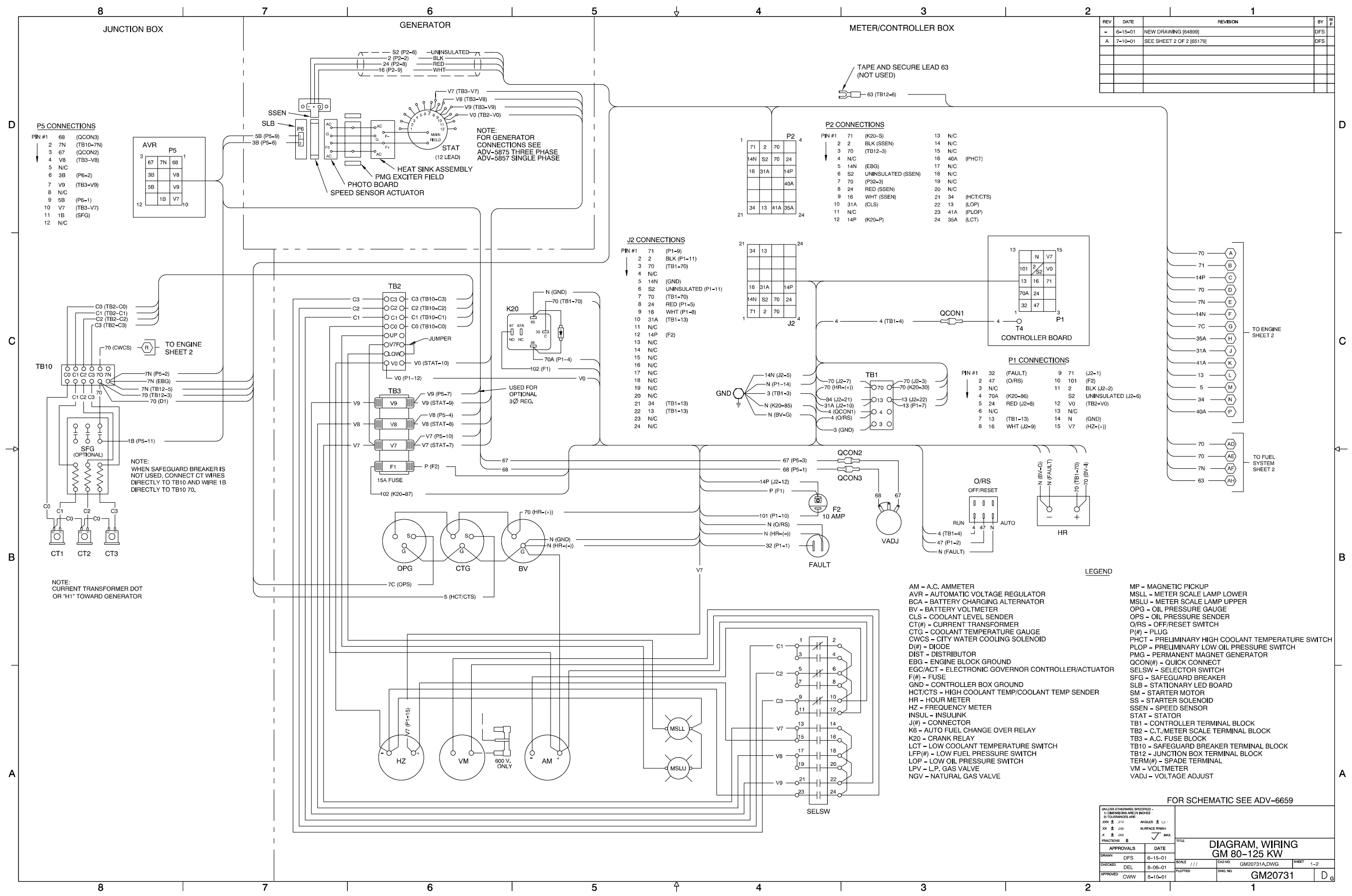
REV	DATE	REVISION	BY	APP
-	6-7-01	NEW DRAWING (84899)	DFS	
A	7-10-01	(A-5,-6,-7) LOAD SHARING WIRING ADDED (85179)	DFS	



Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 2, GM20729B-A

UNLESS OTHERWISE SPECIFIED: 1) DIMENSIONS ARE IN INCHES 2) TOLERANCES ARE:		ANGLES ± 1/2°		TITLE	
XXX ± .010		XXX ± .010		DIAGRAM, WIRING	
XXX ± .020		XXX ± .020		GM 80-125 KW	
XXX ± .050		XXX ± .050		SCALE	///
FRANCHISE ±		FRANCHISE ±		DWG NO.	GM20729B.DWG
APPROVALS		DATE		SHEET 2-2	
DRAWN DFS		6-07-01			
CHECKED DEL		8-06-01			
APPROVED CWW		7-30-01		PLOTTED	
				DWG NO. GM20729	

REV	DATE	REVISION	BY	APP
-	6-15-01	NEW DRAWING (04899)	DFS	
A	7-10-01	SEE SHEET 2 OF 2 (05179)	DFS	



P5 CONNECTIONS

PIN #1	68	(QCON3)
2	7N	(TB10-7N)
3	67	(QCON2)
4	V8	(TB3-V8)
5	N/C	
6	3B	(P6-2)
7	V9	(TB3-V9)
8	N/C	
9	5B	(P6-1)
10	V7	(TB3-V7)
11	1B	(SFG)
12	N/C	

P2 CONNECTIONS

PIN #1	71	(K20-S)
2	2	BLK (SSEN)
3	70	(TB12-3)
4	N/C	
5	14N	(EBG)
6	S2	UNINSULATED (SSEN)
7	70	(P32-3)
8	24	RED (SSEN)
9	16	WHT (SSEN)
10	31A	(CLS)
11	N/C	
12	14P	(K20-P)
13	N/C	
14	N/C	
15	N/C	
16	40A	(PHCT)
17	N/C	
18	N/C	
19	N/C	
20	N/C	
21	34	(HCT/CTS)
22	13	(LOP)
23	41A	(PLOP)
24	35A	(LCT)

J2 CONNECTIONS

PIN #1	71	(P1-9)
2	2	BLK (P1-11)
3	70	(TB1-70)
4	N/C	
5	14N	(GND)
6	S2	UNINSULATED (P1-11)
7	70	(TB1-70)
8	24	RED (P1-5)
9	16	WHT (P1-8)
10	31A	(TB1-13)
11	N/C	
12	14P	(F2)
13	N/C	
14	N/C	
15	N/C	
16	N/C	
17	N/C	
18	N/C	
19	N/C	
20	N/C	
21	34	(TB1-13)
22	13	(TB1-13)
23	N/C	
24	N/C	

P1 CONNECTIONS

PIN #1	32	(FAULT)
2	47	(O/RS)
3	N/C	
4	70A	(K20-86)
5	24	RED (J2-8)
6	N/C	
7	13	(TB1-13)
8	16	WHT (J2-9)
9	71	(J2-1)
10	101	(F2)
11	2	BLK (J2-2)
12	V0	(TB2-V0)
13	N/C	
14	N	(GND)
15	V7	(HZ-(-))

- LEGEND**
- AM - A.C. AMMETER
 - AVR - AUTOMATIC VOLTAGE REGULATOR
 - BCA - BATTERY CHARGING ALTERNATOR
 - BV - BATTERY VOLTMETER
 - OPG - OIL PRESSURE GAUGE
 - OPS - OIL PRESSURE SENDER
 - O/RS - OFF/RESET SWITCH
 - P(#)- PLUG
 - PHCT - PRELIMINARY HIGH COOLANT TEMPERATURE SWITCH
 - PLOP - PRELIMINARY LOW OIL PRESSURE SWITCH
 - PMG - PERMANENT MAGNET GENERATOR
 - QCON(#)- QUICK CONNECT
 - SEL SW - SELECTOR SWITCH
 - SFG - SAFEGUARD BREAKER
 - SFB - SAFEGUARD BREAKER
 - SLB - STATIONARY LED BOARD
 - SM - STARTER MOTOR
 - SS - STARTER SOLENOID
 - SSEN - SPEED SENSOR
 - STAT - STATOR
 - TB1 - CONTROLLER TERMINAL BLOCK
 - TB2 - C.T./METER SCALE TERMINAL BLOCK
 - TB3 - A.C. FUSE BLOCK
 - TB10 - SAFEGUARD BREAKER TERMINAL BLOCK
 - TB12 - JUNCTION BOX TERMINAL BLOCK
 - TERM(#)- SPADE TERMINAL
 - VM - VOLTMETER
 - VADJ - VOLTAGE ADJUST

FOR SCHEMATIC SEE ADV-6659

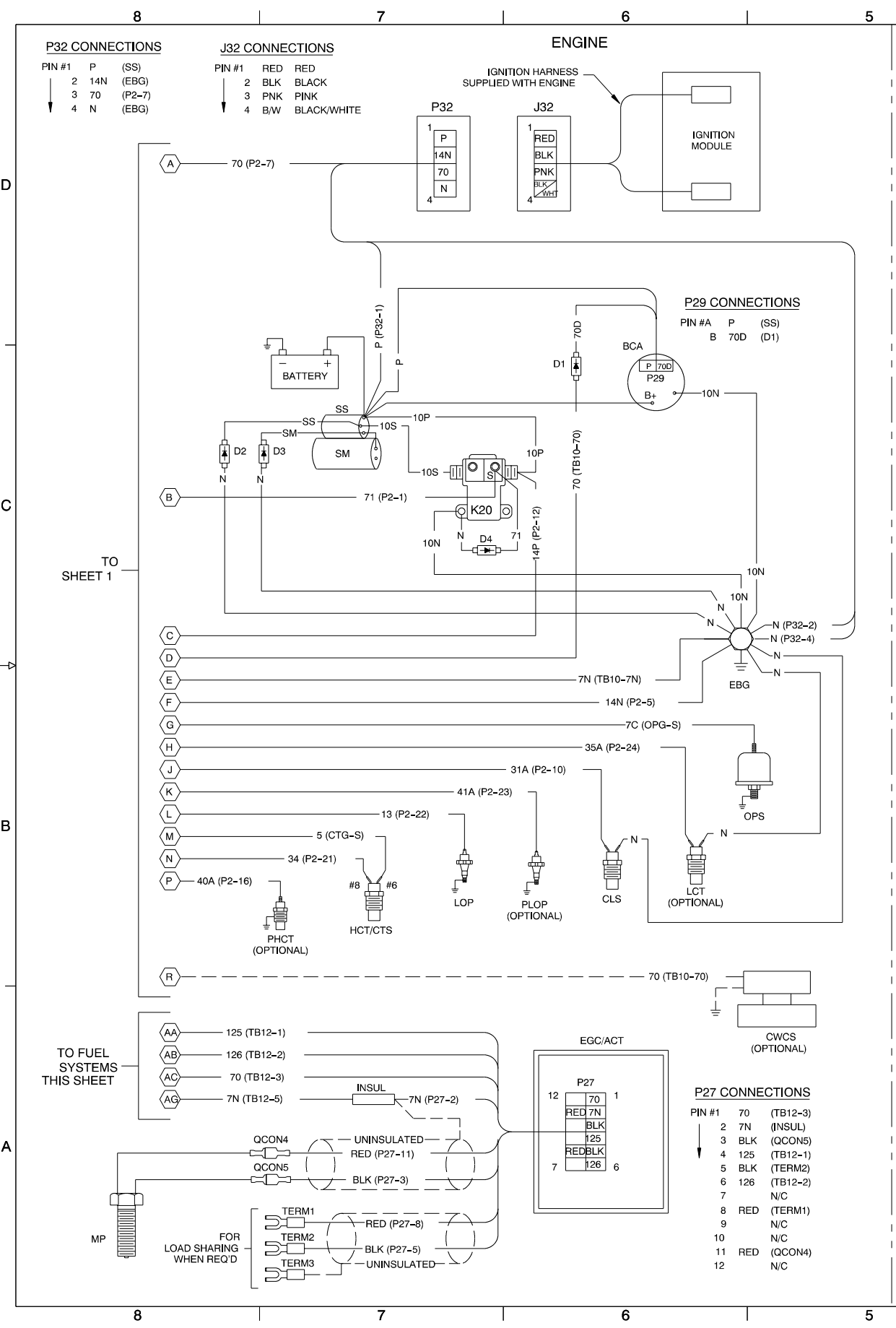
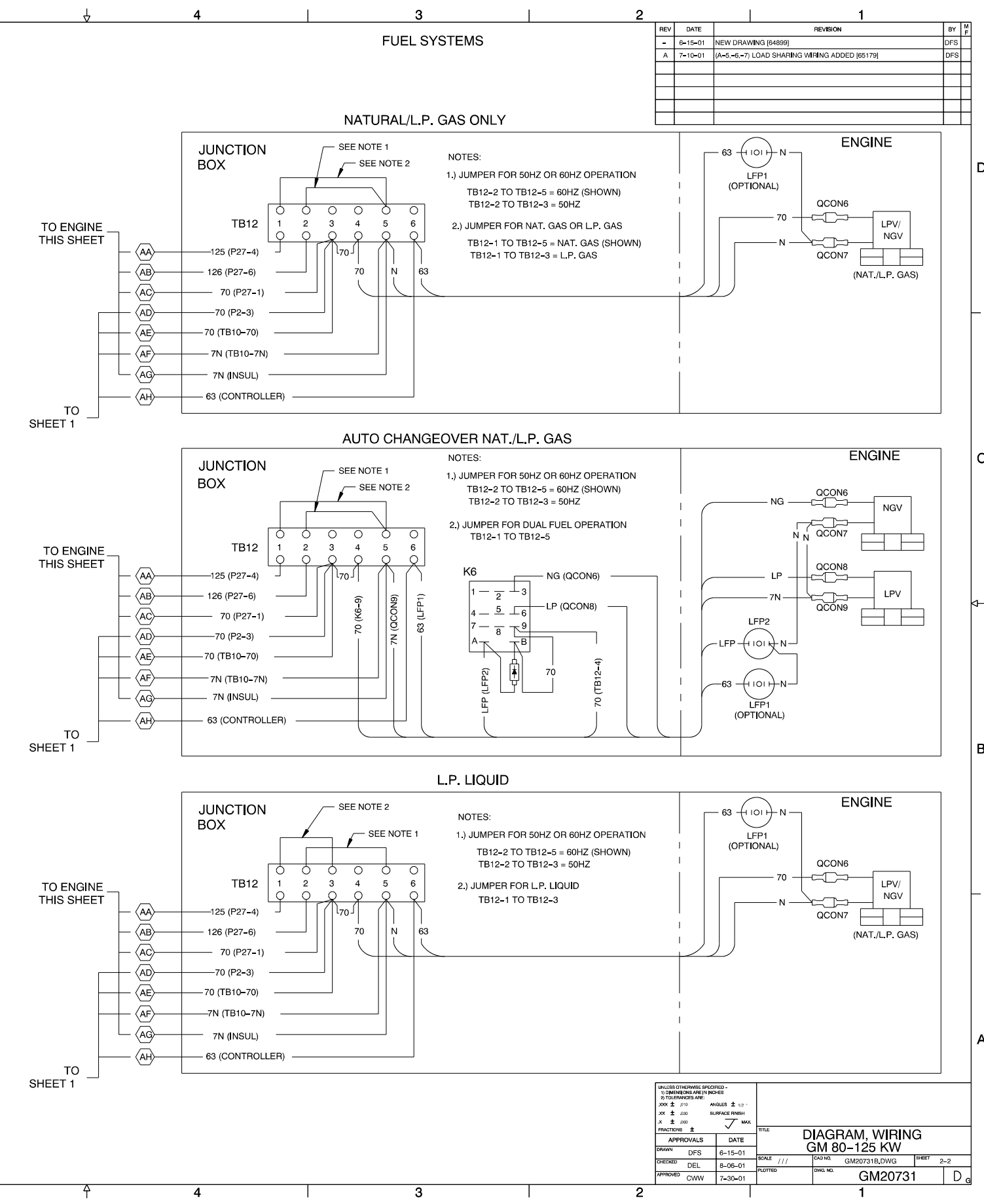
APPROVALS	DATE	TITLE
DRAWN DFS	6-15-01	DIAGRAM, WIRING GM 80-125 KW
CHECKED DEL	8-06-01	SCALE: / / /
APPROVED CWW	8-10-01	DWG NO: GM20731 SHEET 1-2

Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Point-to-Point Wiring Diagram, Sheet 1, GM20731A-A

REV	DATE	REVISION	BY	APP
-	6-15-01	NEW DRAWING (84899)	DFS	
A	7-10-01	(A-5,-6,-7) LOAD SHARING WIRING ADDED (85179)	DFS	

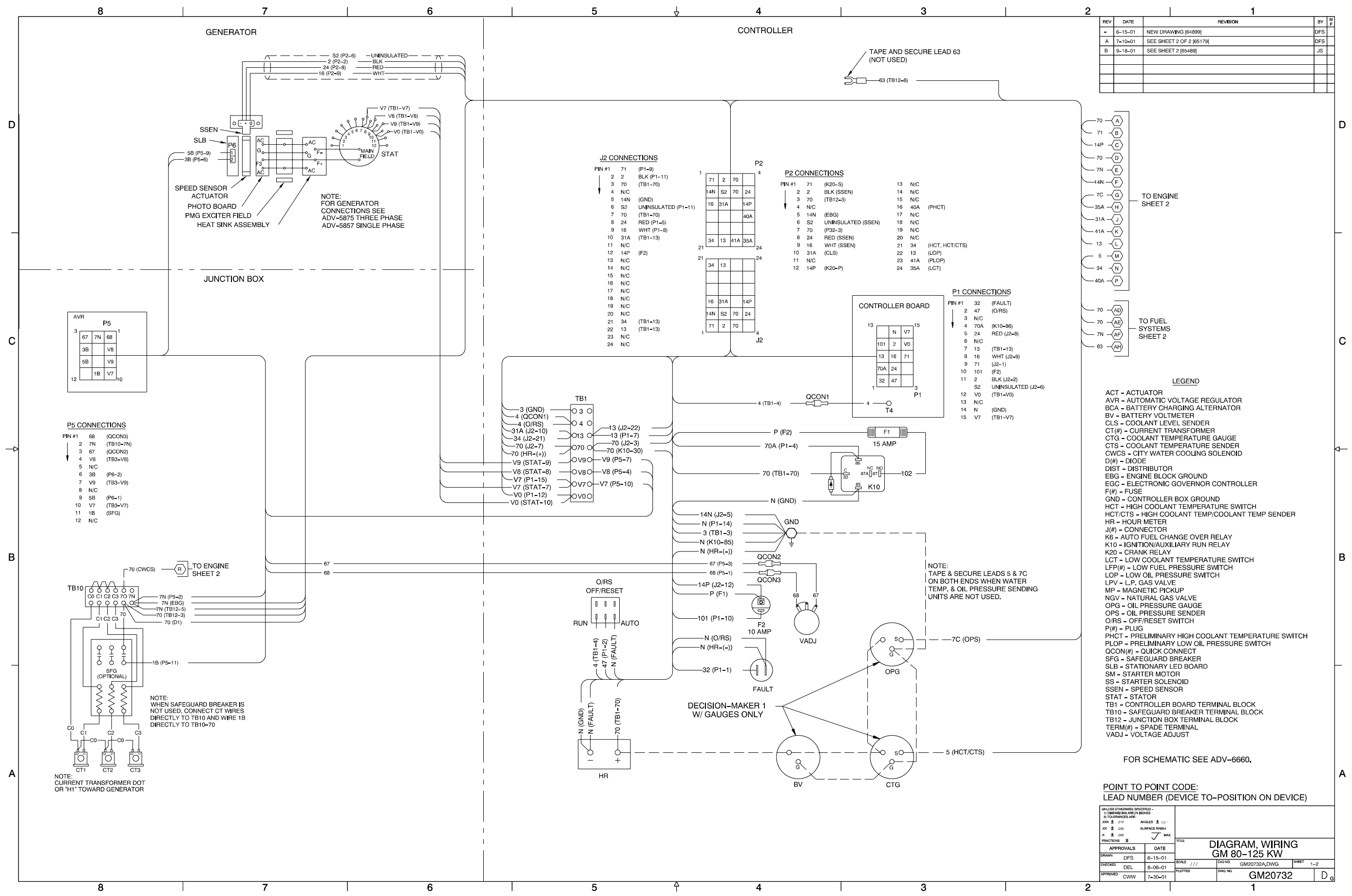
APPROVALS		DATE	TITLE
DRAWN	DFS	6-15-01	DIAGRAM, WIRING GM 80-125 KW GM20731
CHECKED	DEL	8-06-01	
APPROVED	CWW	7-30-01	

UNLESS OTHERWISE SPECIFIED:
 1) DIMENSIONS ARE IN INCHES
 2) DIMENSIONS ARE
 3) DIMENSIONS ARE
 4) DIMENSIONS ARE
 5) DIMENSIONS ARE
 6) DIMENSIONS ARE
 7) DIMENSIONS ARE
 8) DIMENSIONS ARE
 9) DIMENSIONS ARE
 10) DIMENSIONS ARE
 11) DIMENSIONS ARE
 12) DIMENSIONS ARE



Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Point-to-Point Wiring Diagram, Sheet 2, GM20731B-A

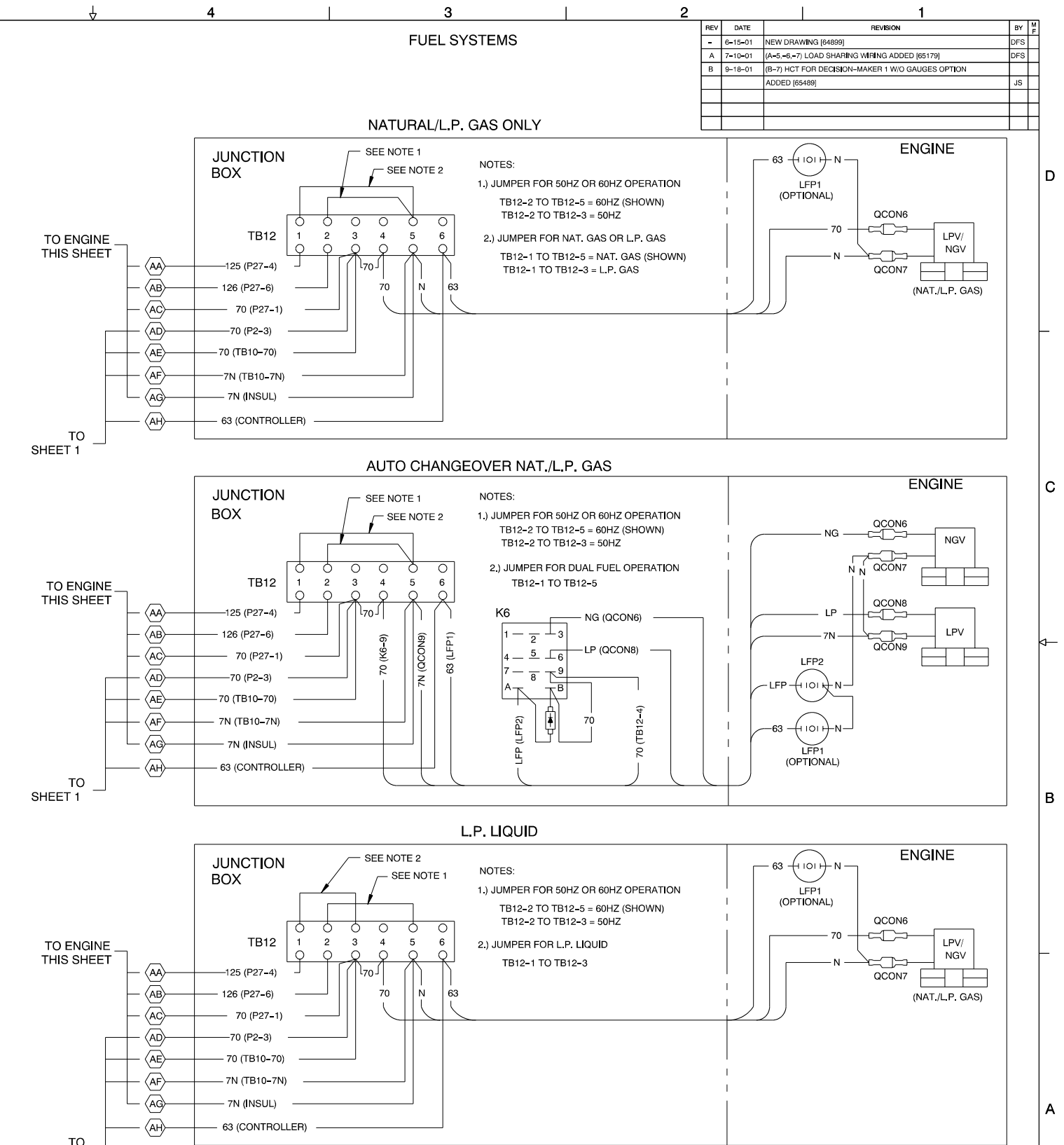
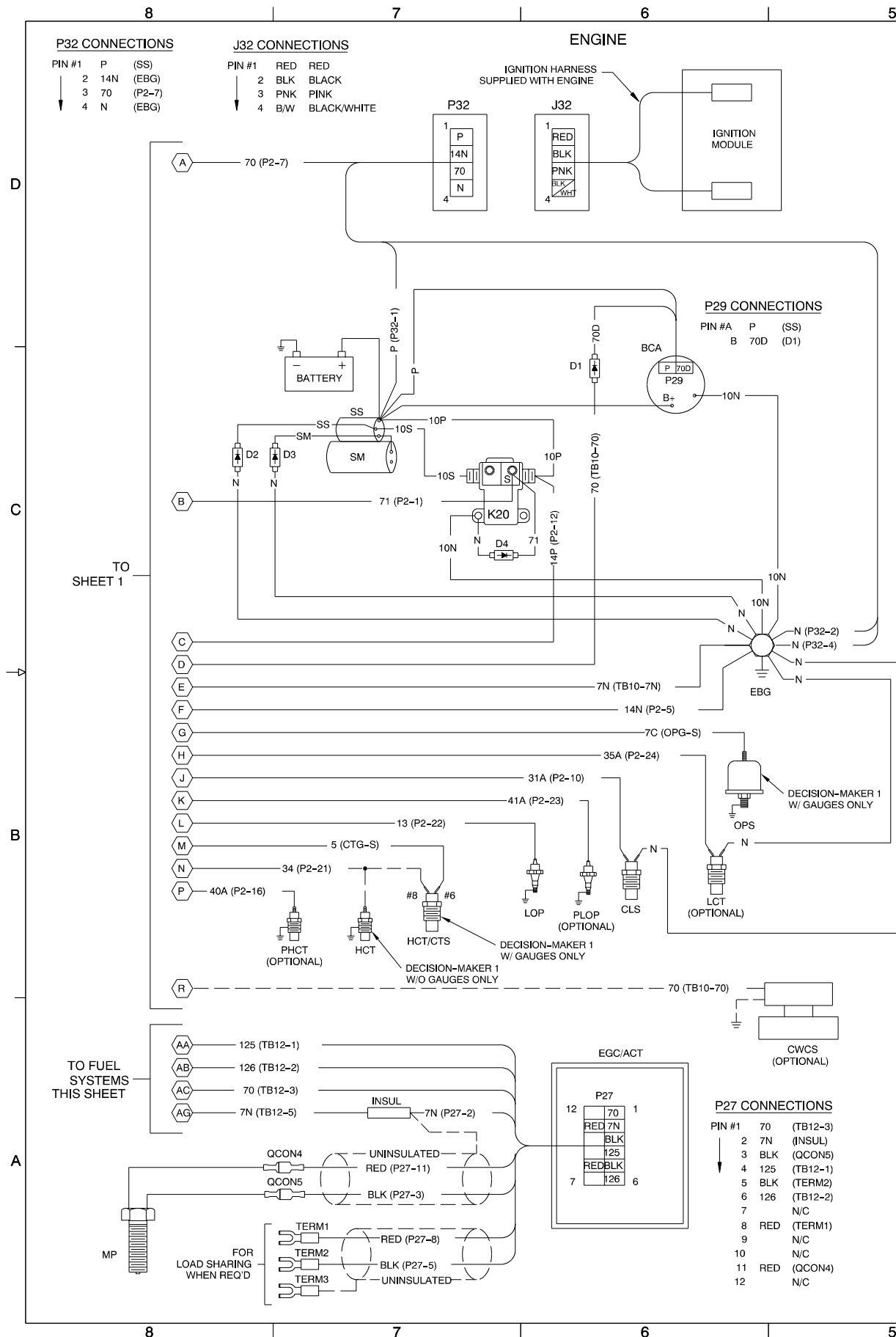
REV	DATE	REVISION	BY	APP
-	6-15-01	NEW DRAWING [64899]	DFS	
A	7-10-01	SEE SHEET 2 OF 2 [65179]	DFS	
B	9-18-01	SEE SHEET 2 [65489]	JS	



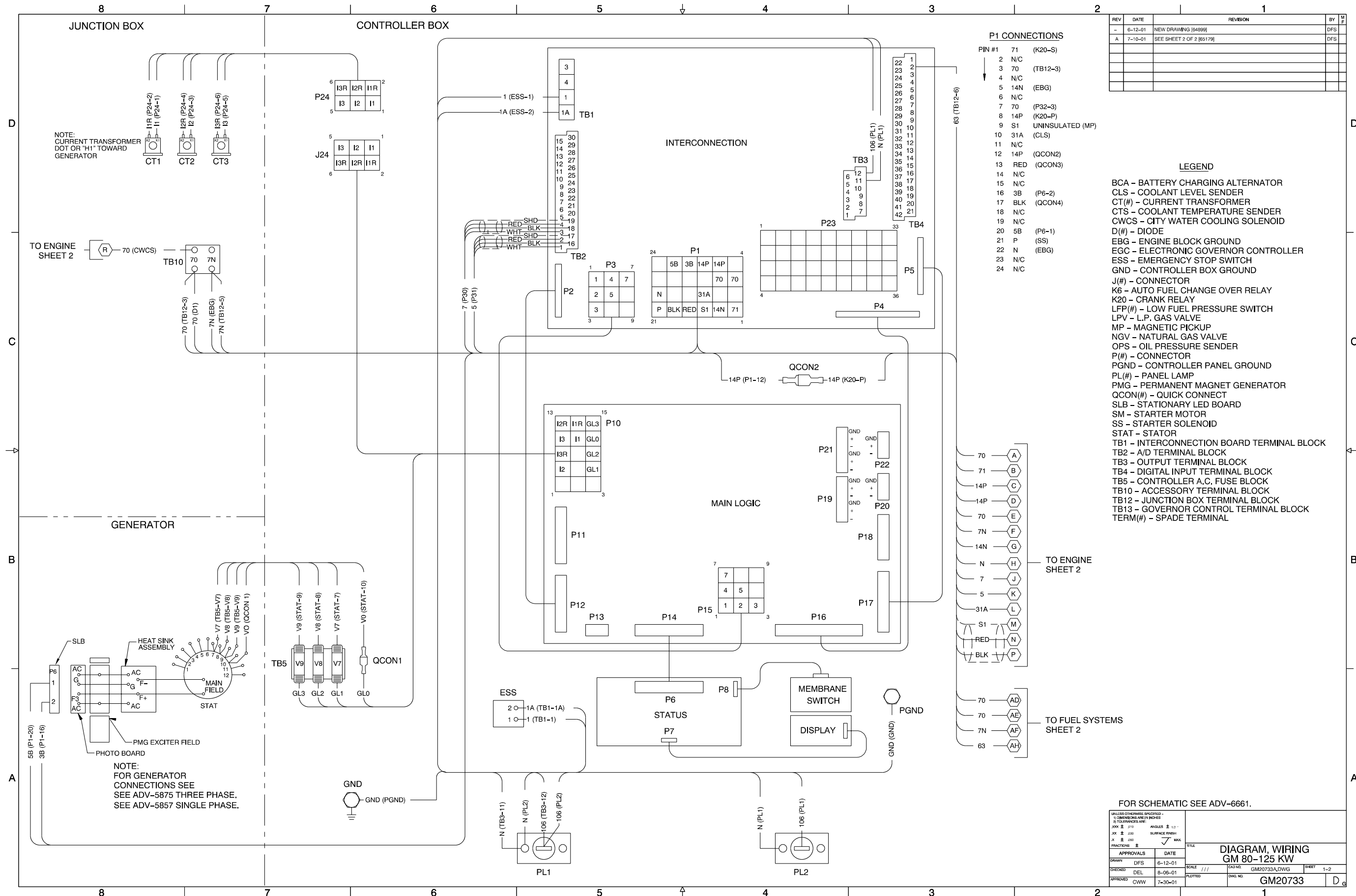
Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Point-to-Point Wiring Diagram, Sheet 1, GM20732A-B

REV	DATE	REVISION	BY	APP
-	6-15-01	NEW DRAWING [64899]	DFS	
A	7-10-01	(A-5-6-7) LOAD SHARING WIRING ADDED [65179]	DFS	
B	8-18-01	(B-7) HCT FOR DECISION-MAKER 1 W/O GAUGES OPTION ADDED [65489]	JS	

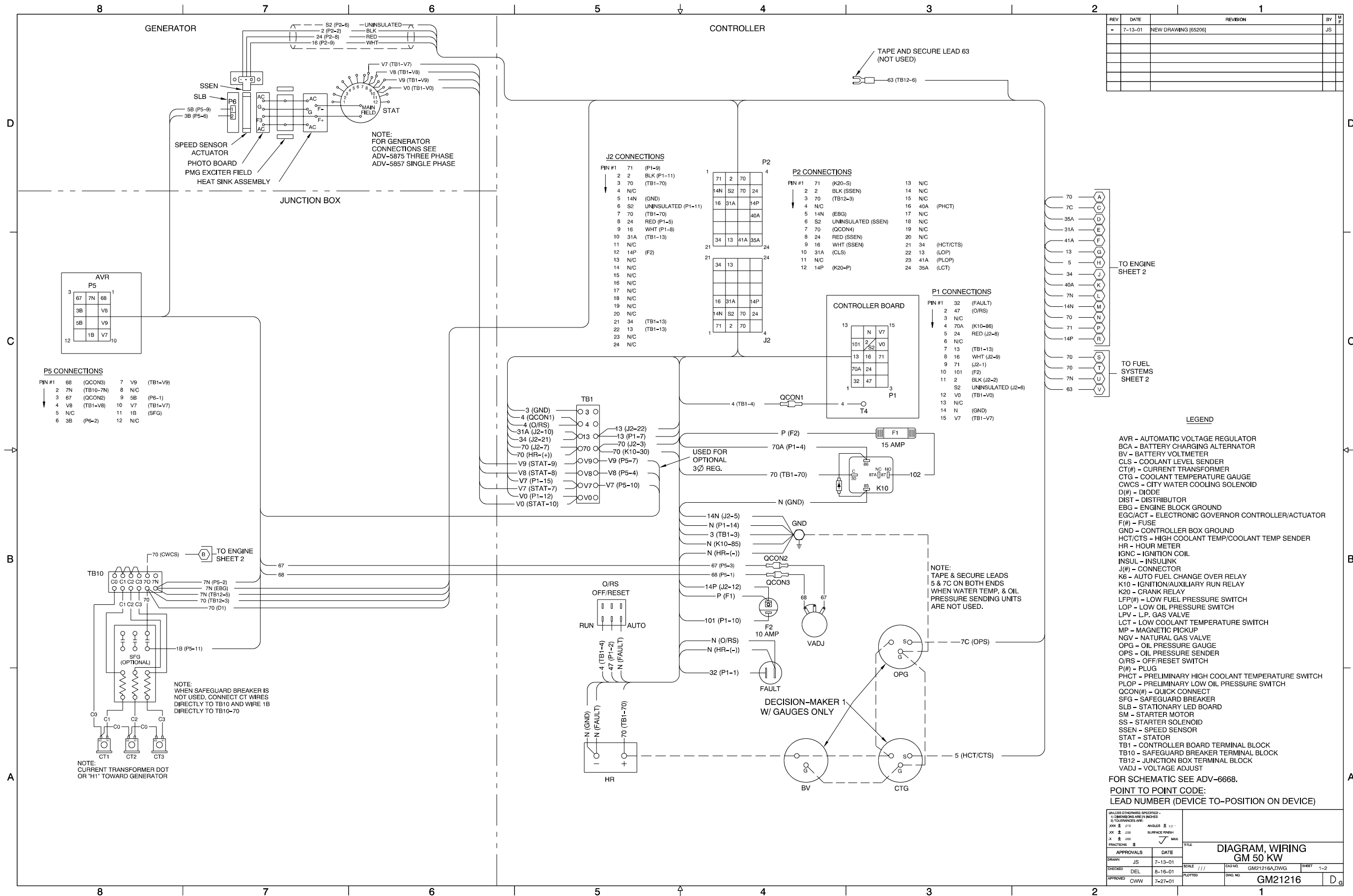
APPROVALS		DATE	TITLE
DRAWN	DFS	6-15-01	DIAGRAM, WIRING GM 80-125 KW
CHECKED	DEL	8-06-01	
APPROVED	CWW	7-31-01	
SCALE		///	
Dwg No.		GM20732B.DWG	SHEET 2-2
Dwg No.		GM20732	D



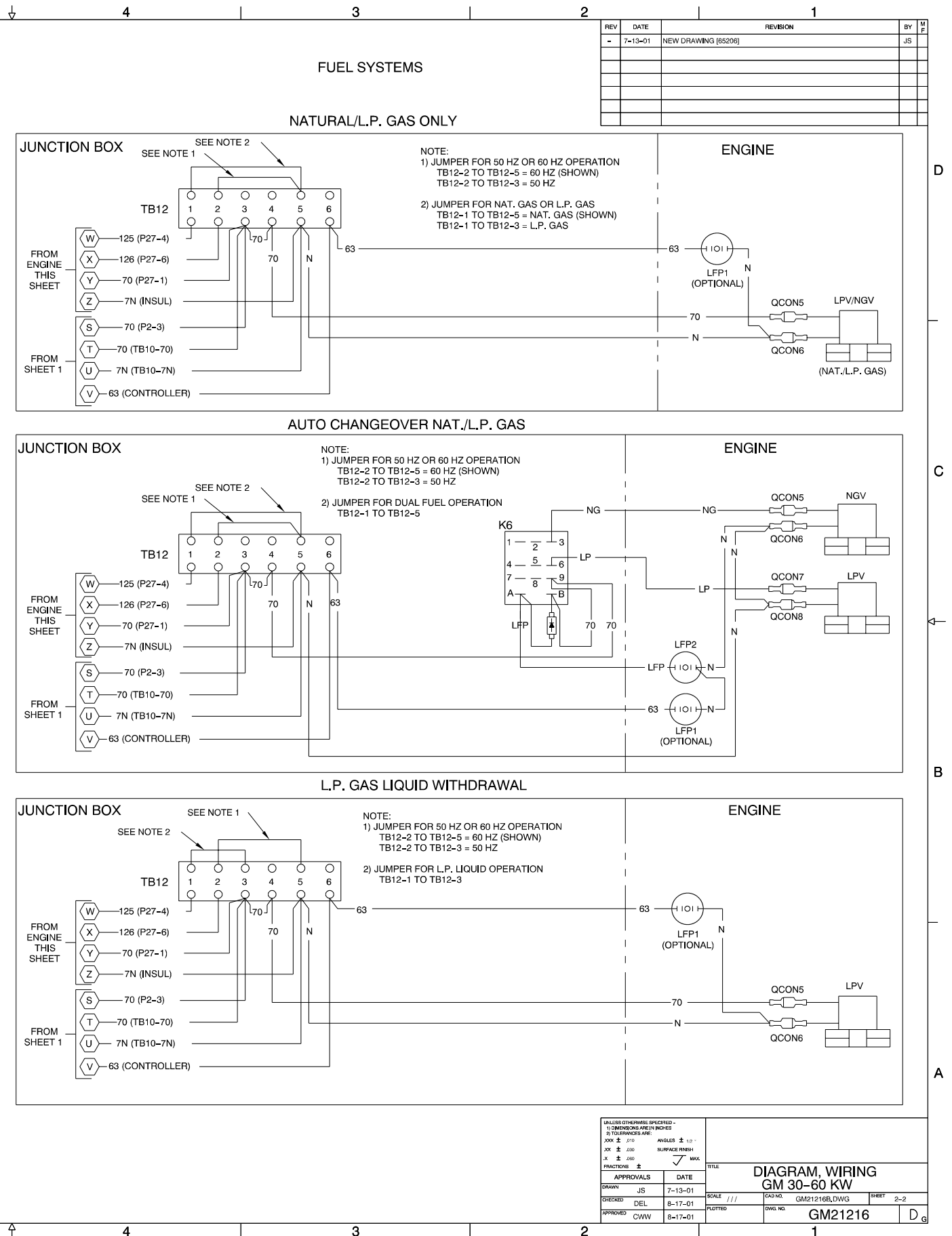
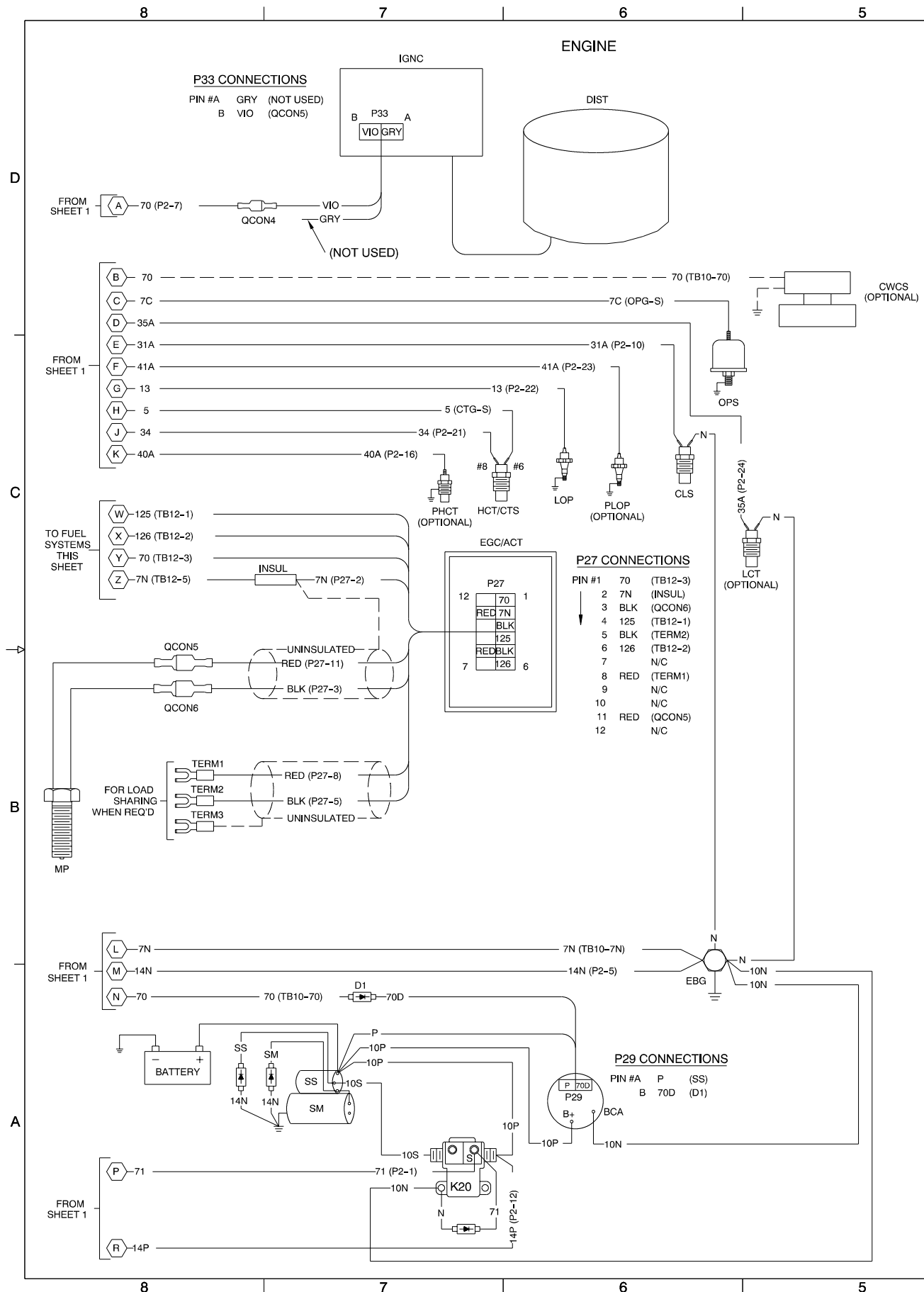
Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Point-to-Point Wiring Diagram, Sheet 2, GM20732B-B



Decision-Maker™ 550 Controller, Point-to-Point Wiring Diagram, Sheet 1, GM20733A-A



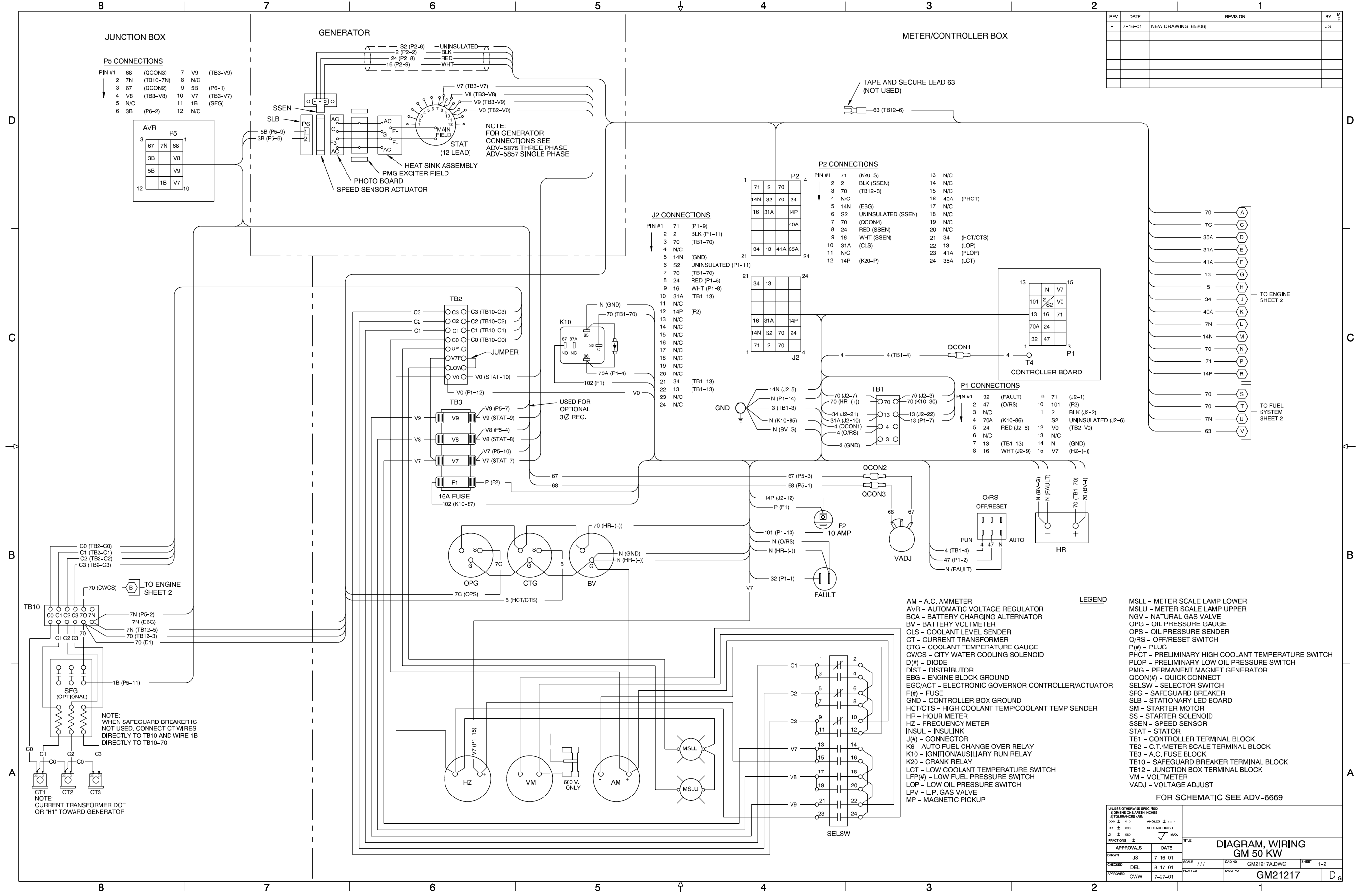
REV	DATE	REVISION	BY	APP
-	7-13-01	NEW DRAWING (85206)	JS	



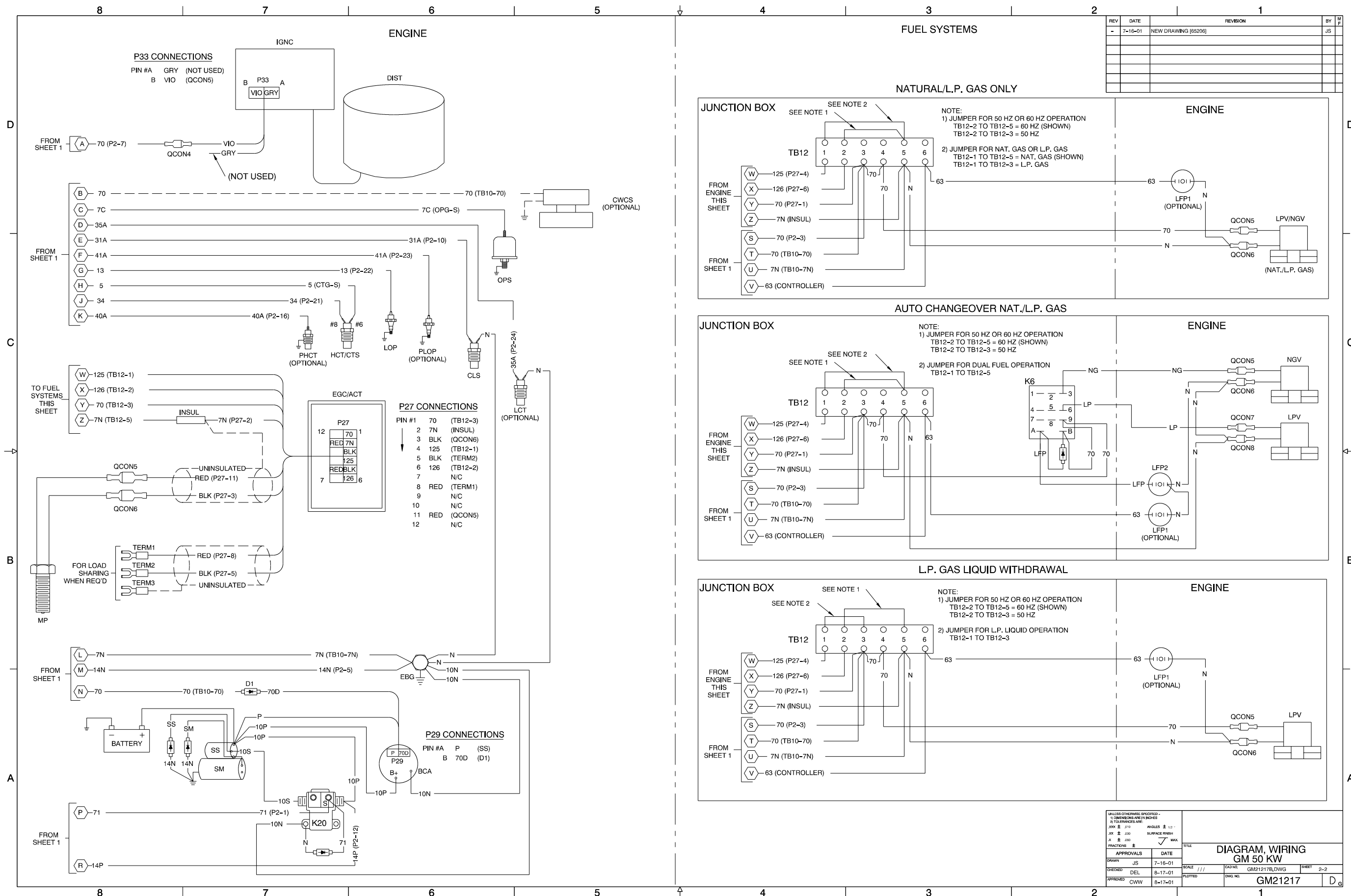
APPROVALS		DATE	TITLE
DRAWN	JS	7-13-01	DIAGRAM, WIRING GM 30-60 KW
CHECKED	DEL	8-17-01	SCALE: 1/1
APPROVED	CWW	8-17-01	GM21216

Decision-Maker™ 1, Standard and Standard w/Engine Gauges, Point-to-Point Wiring Diagram, Sheet 2, GM21216B-

REV	DATE	REVISION	BY	APP
-	7-16-01	NEW DRAWING (85206)	JS	

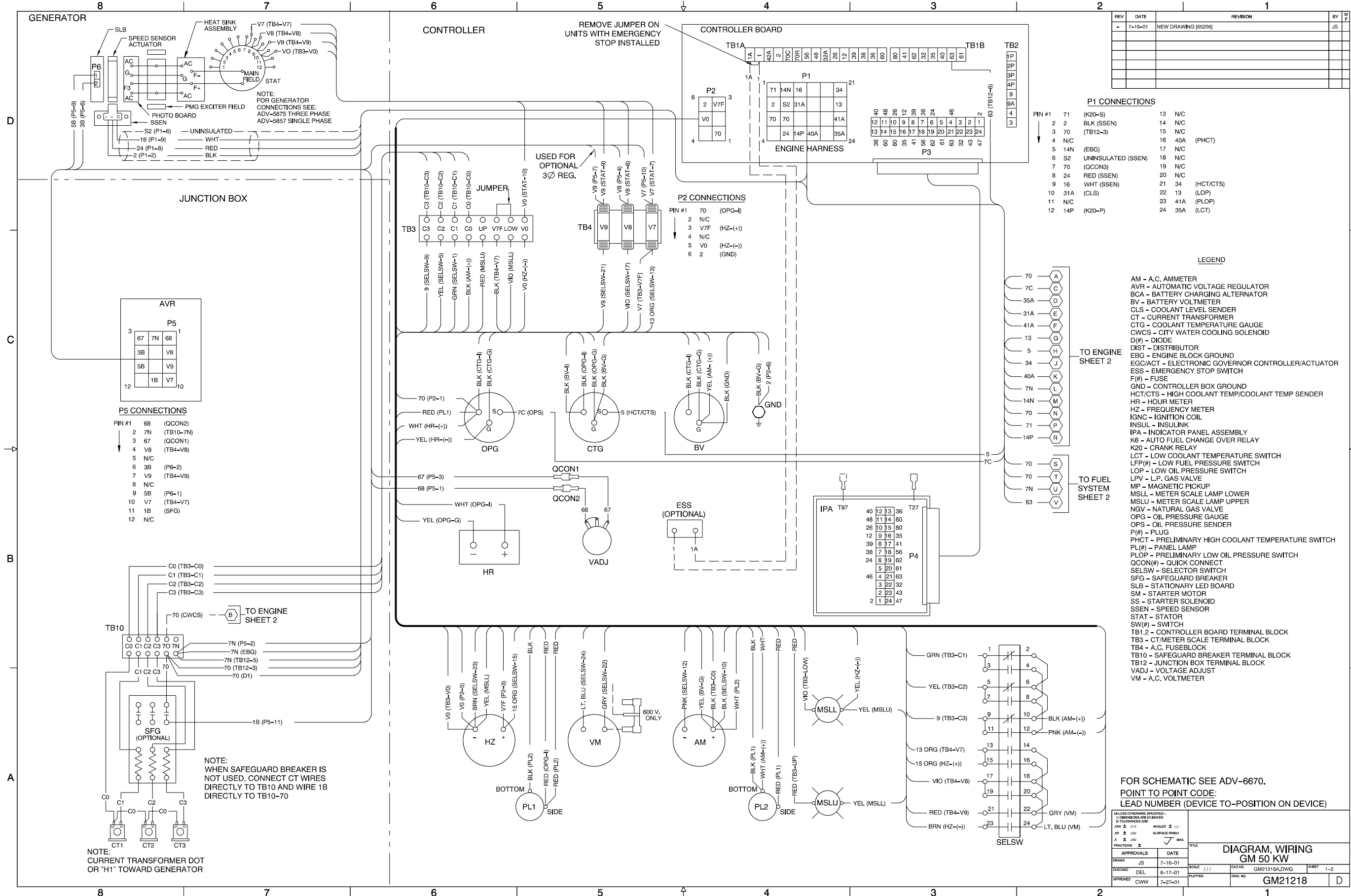


Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Point-to-Point Wiring Diagram, Sheet 1, GM21217A-



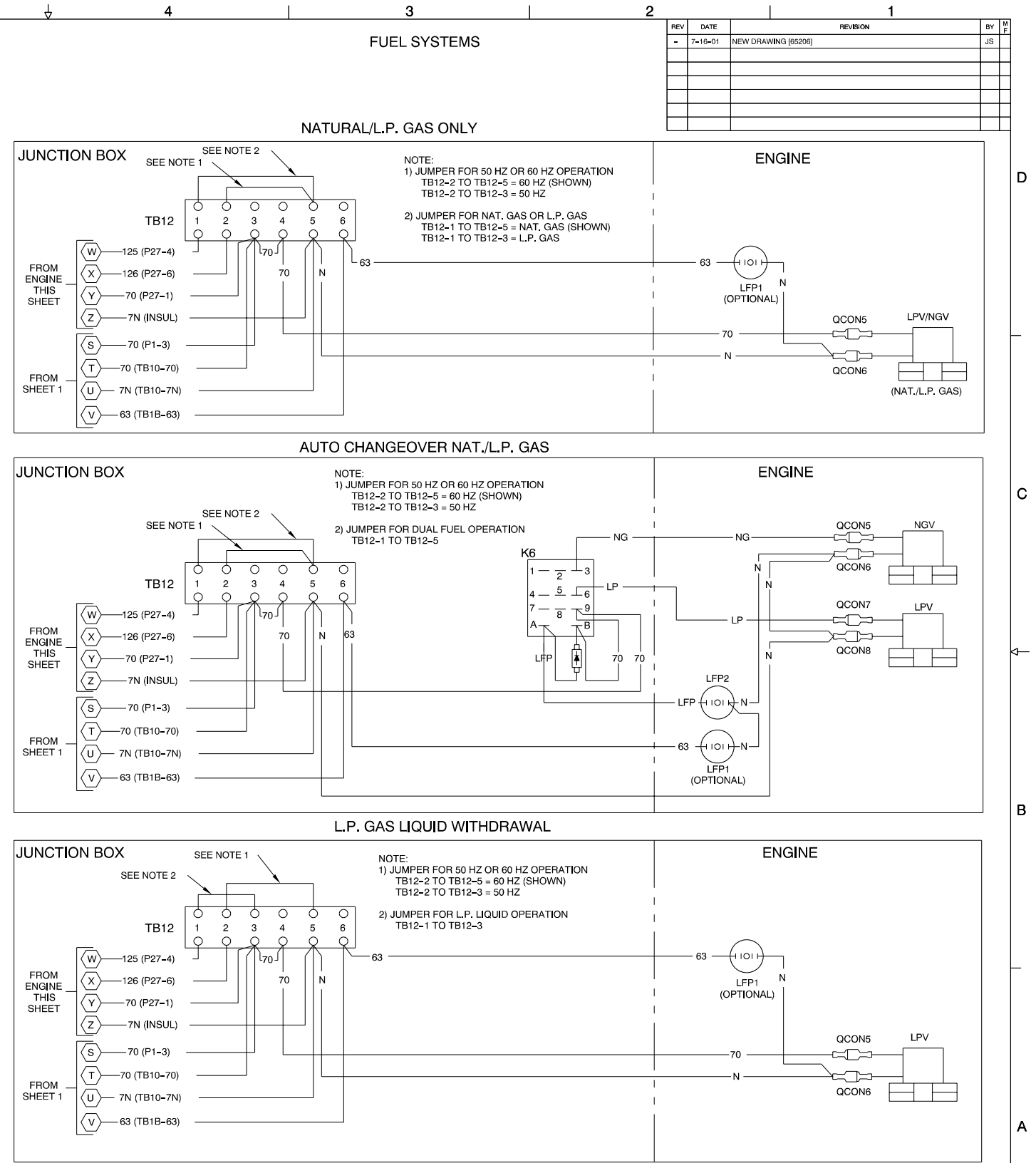
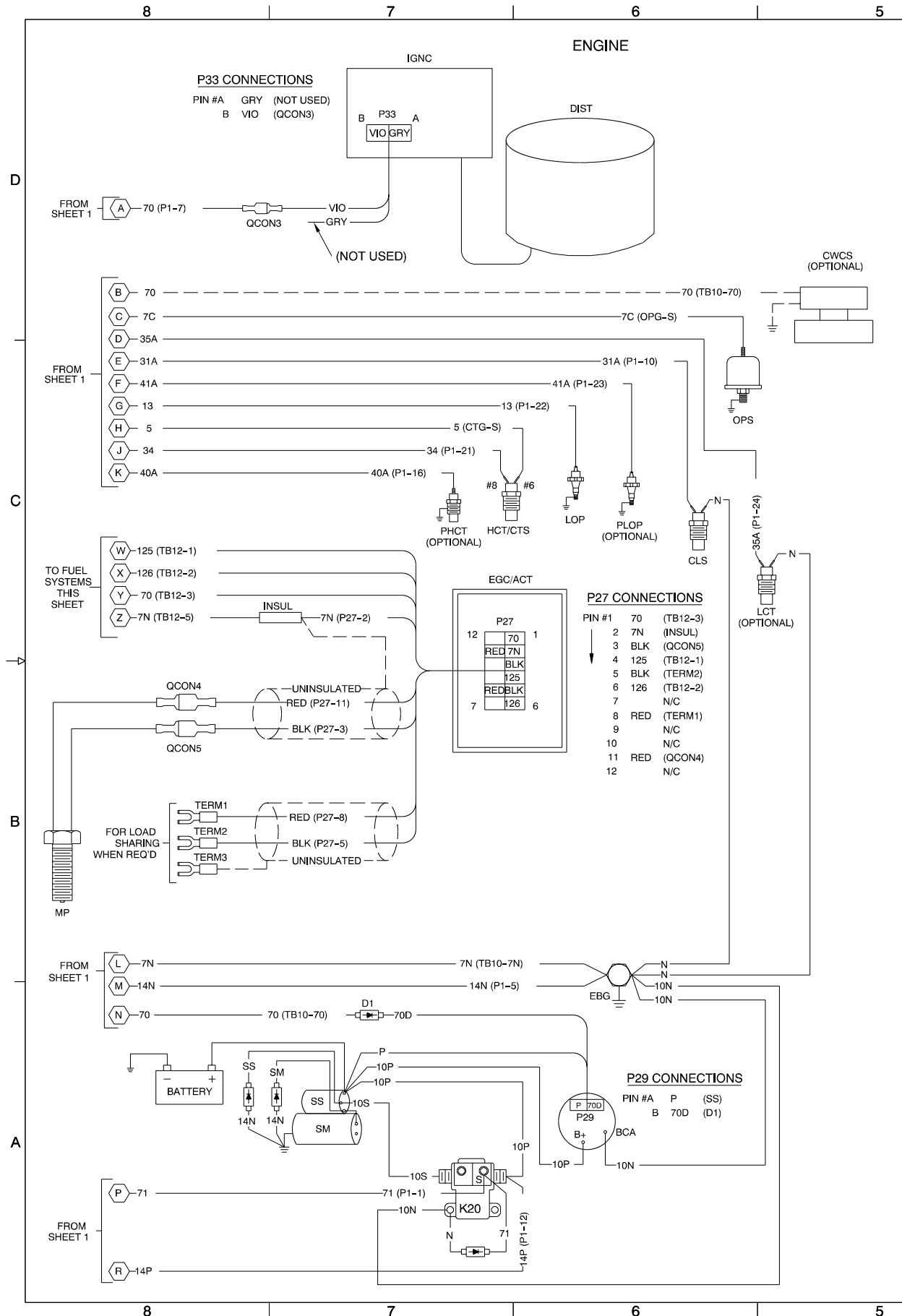
Decision-Maker™ 1, Expanded w/Engine Gauges and AC Meters, Point-to-Point Wiring Diagram, Sheet 2, GM21217B-

REV	DATE	REVISION	BY	APP
-	7-16-01	NEW DRAWING (85209)	JS	



Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 1, GM21218A-

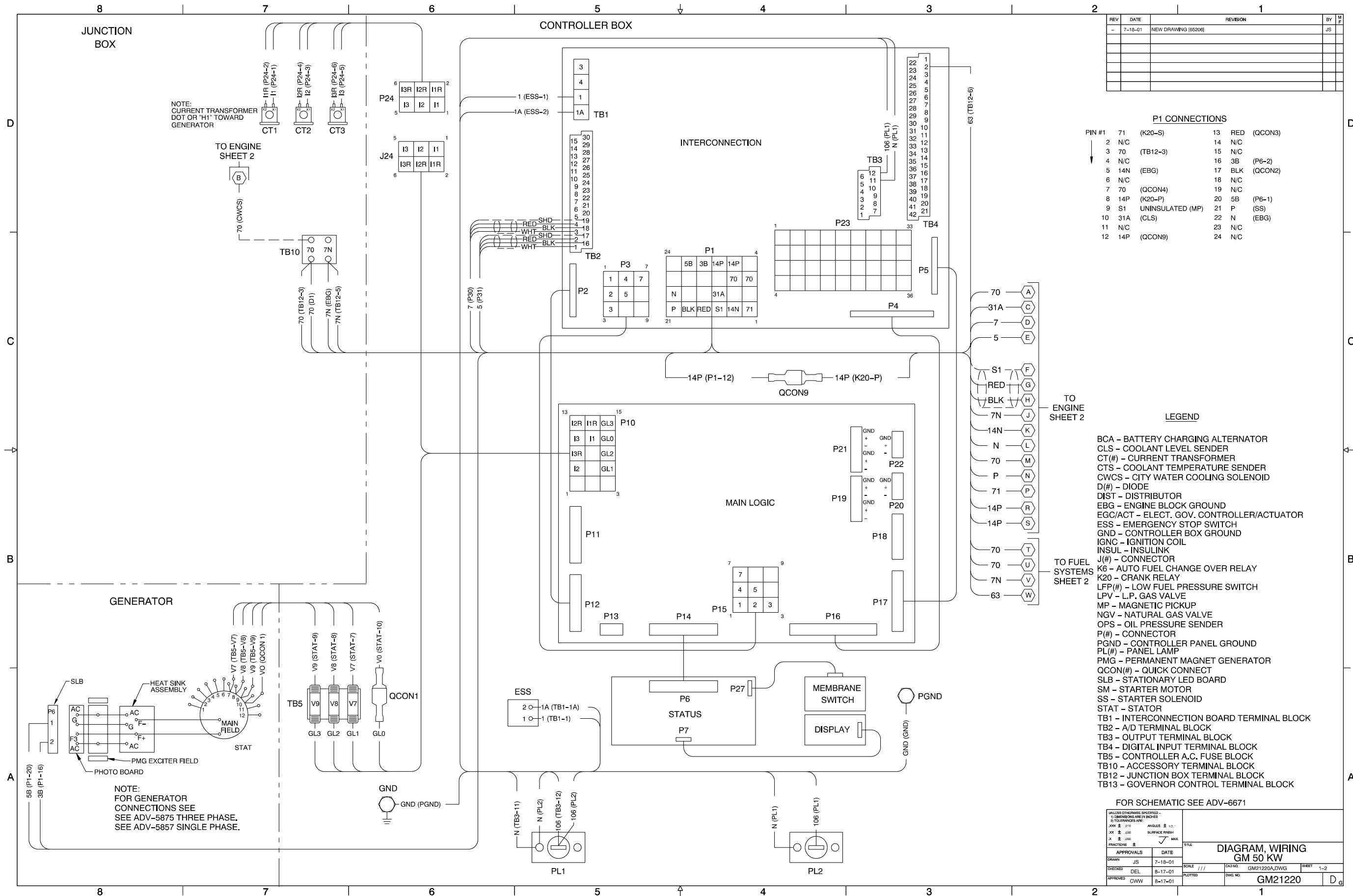
REV	DATE	REVISION	BY	APP
-	7-16-01	NEW DRAWING (85206)	JS	



APPROVALS		DATE	TITLE
DRAWN	JS	7-16-01	DIAGRAM, WIRING GM 50 KW
CHECKED	DEL	8-17-01	SCALE: / / /
APPROVED	CWW	8-17-01	PLOTTED

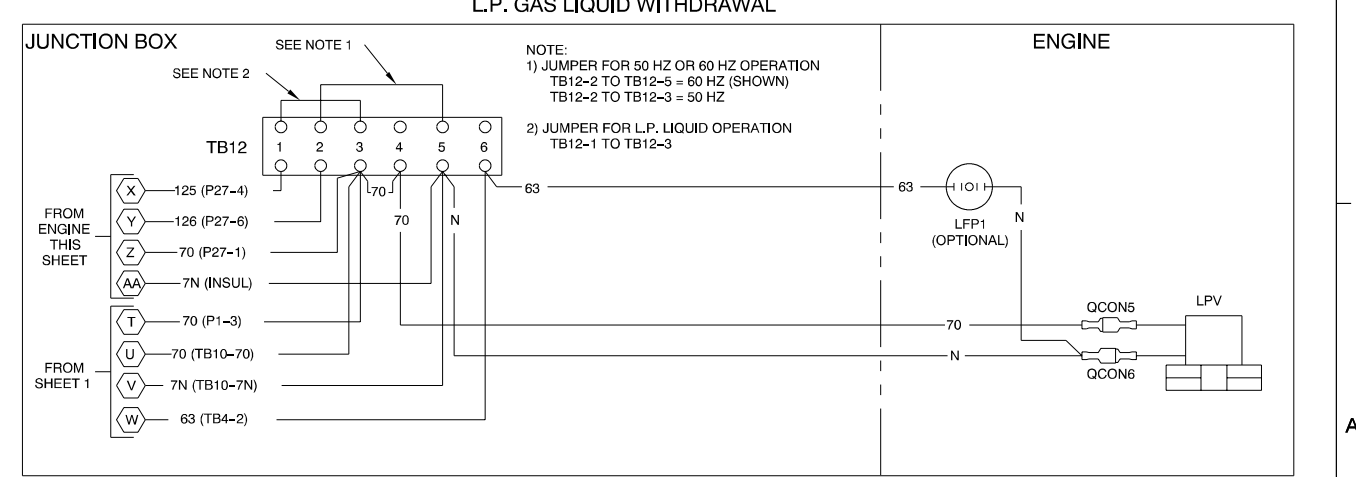
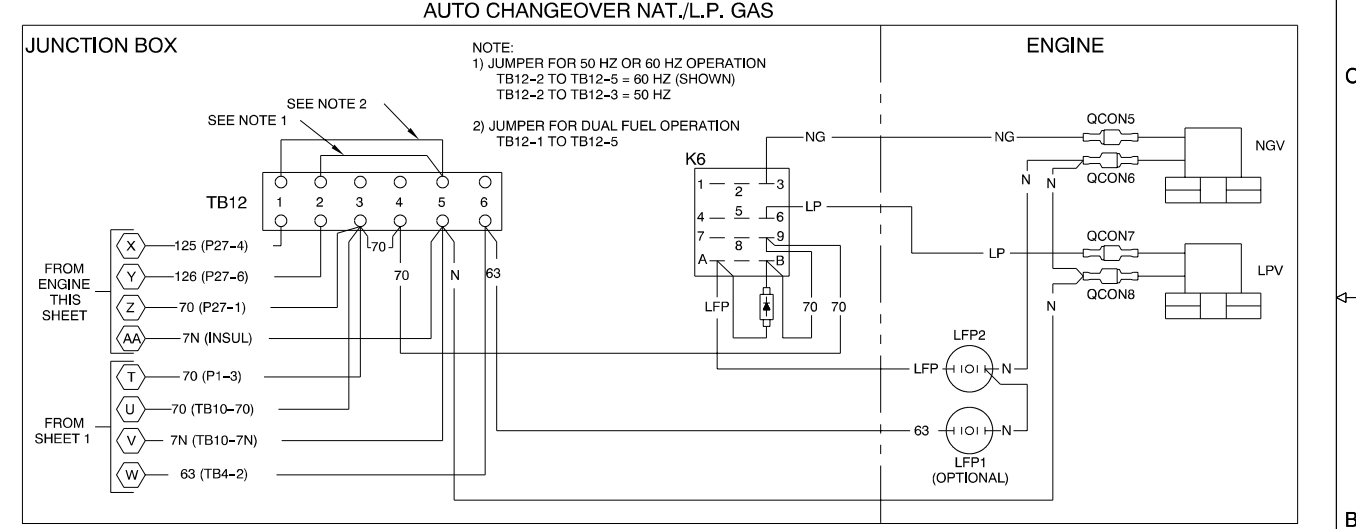
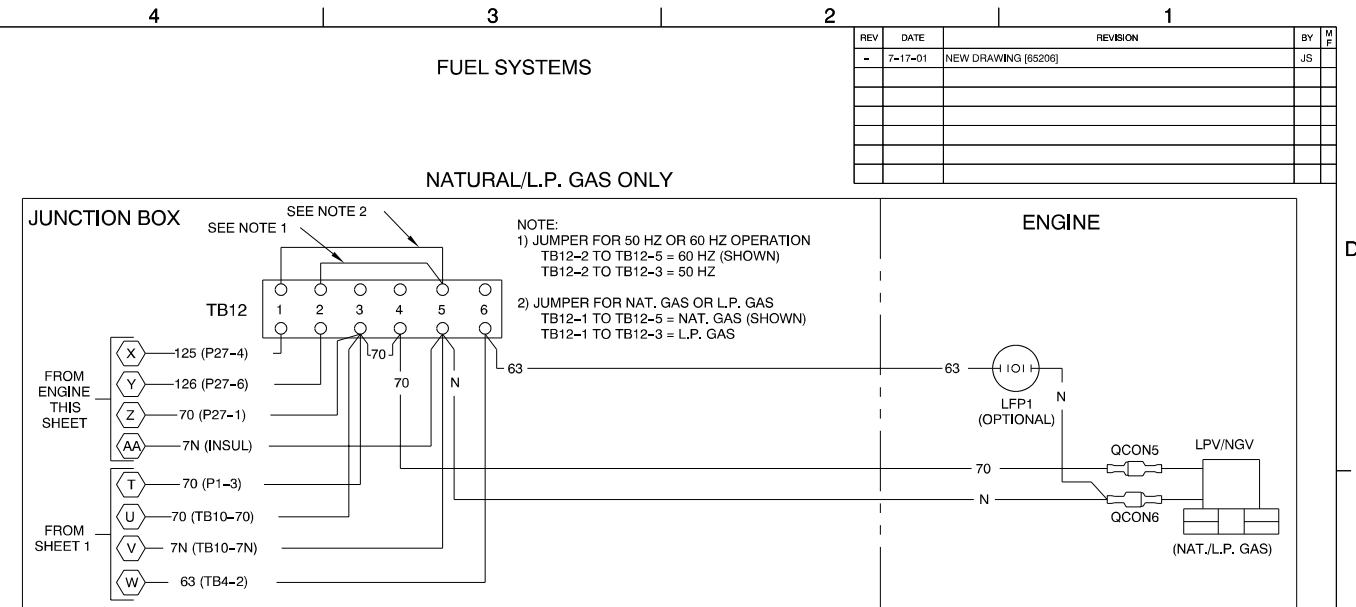
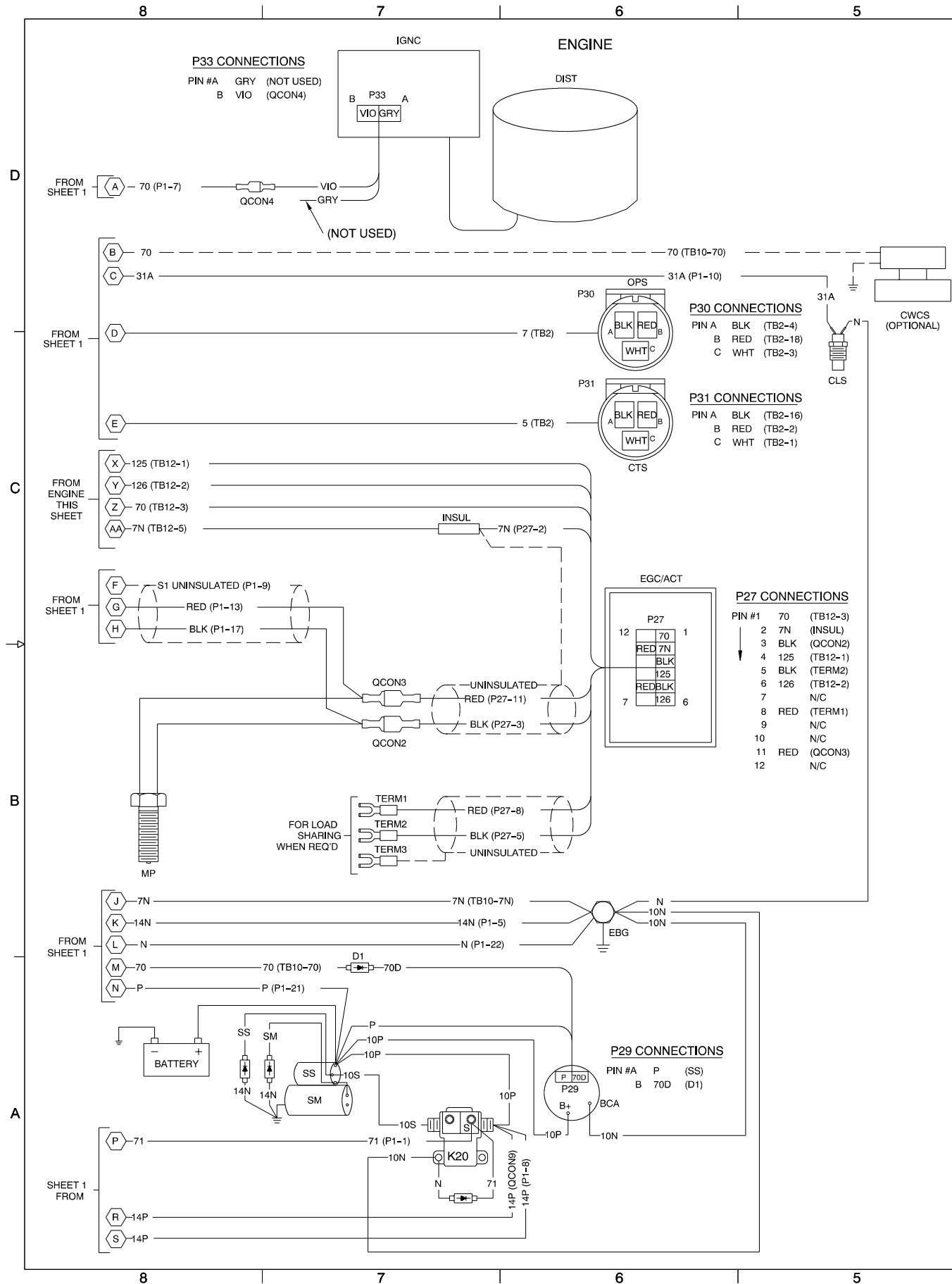
DWG NO.	GM21218B/DWG	SHEET	2-2
DWG NO.	GM21218		

Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 2, GM21218B-



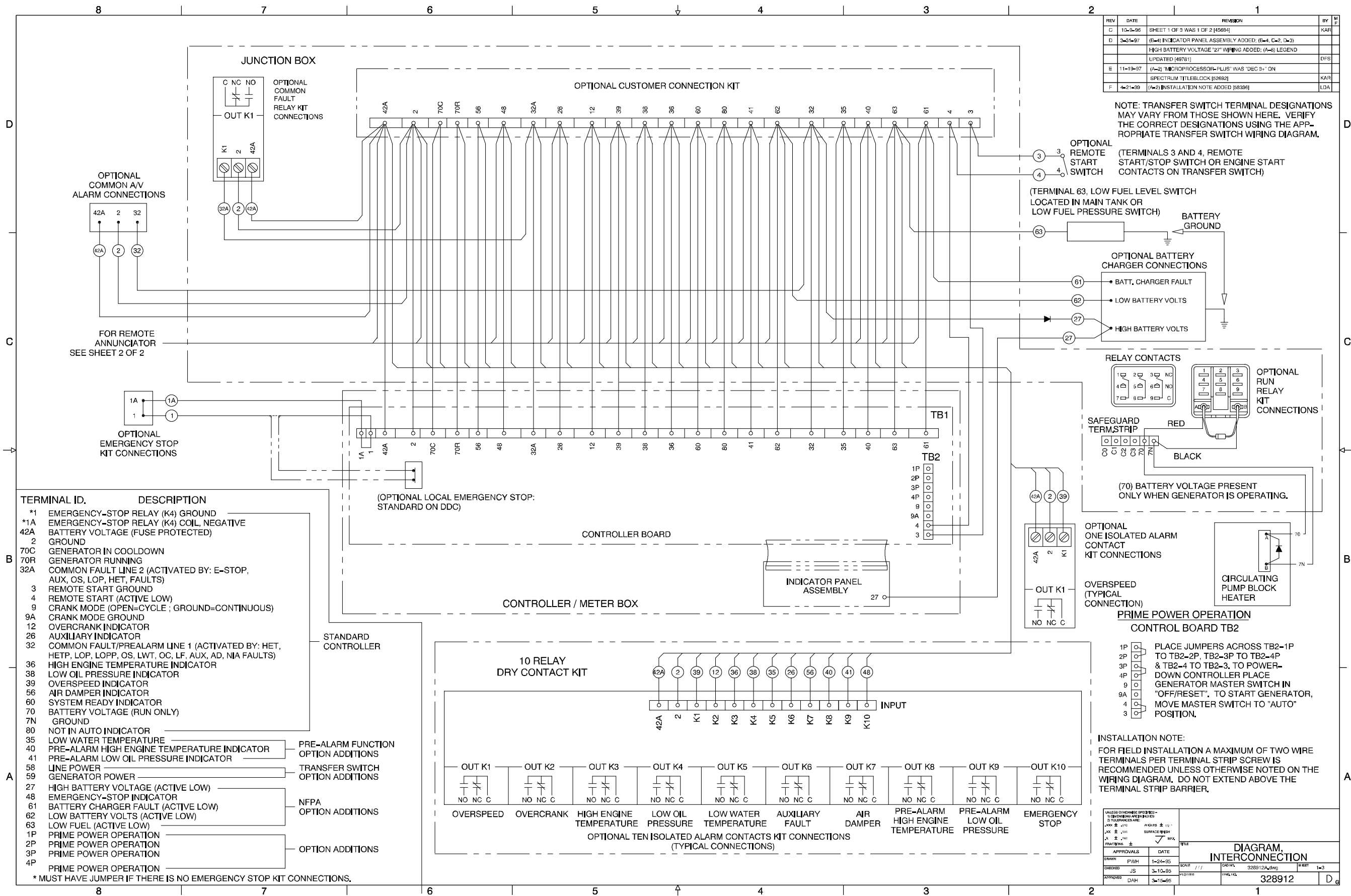
Decision-Maker™ 550 Controller, Point-to-Point Wiring Diagram, Sheet 1, GM21220A-

REV	DATE	REVISION	BY	APP
-	7-17-01	NEW DRAWING (85206)	JS	



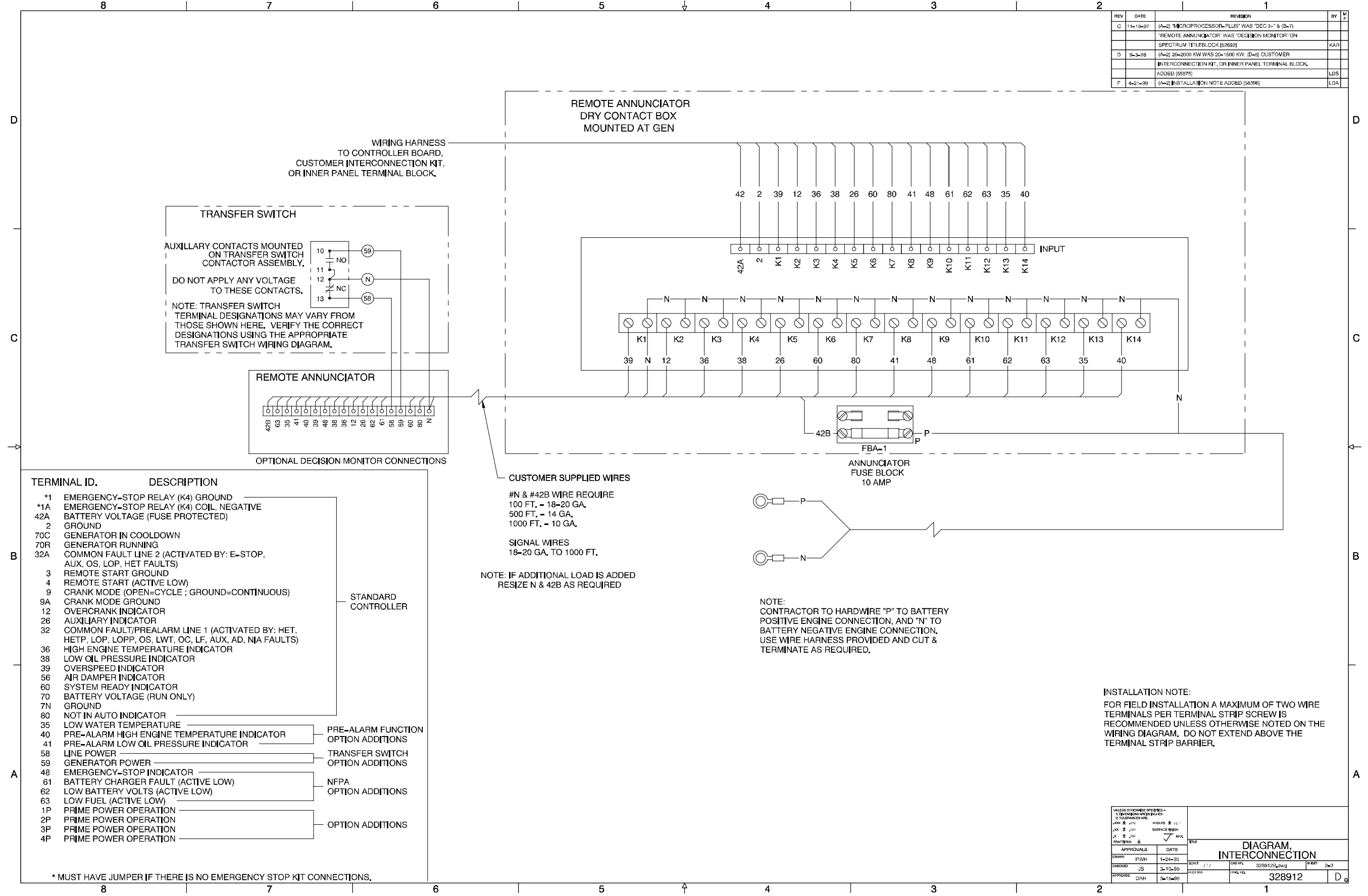
APPROVALS		DATE	TITLE
DRAWN	JS	7-17-01	DIAGRAM, WIRING GM 50 KW
CHECKED	DEL	8-17-01	SCALE: 1/1
APPROVED	CWW	8-17-01	PLOTTED

QTY	DESCRIPTION	UNIT	QTY	DESCRIPTION	UNIT
1	GM21220B	DWG	1	GM21220B	DWG

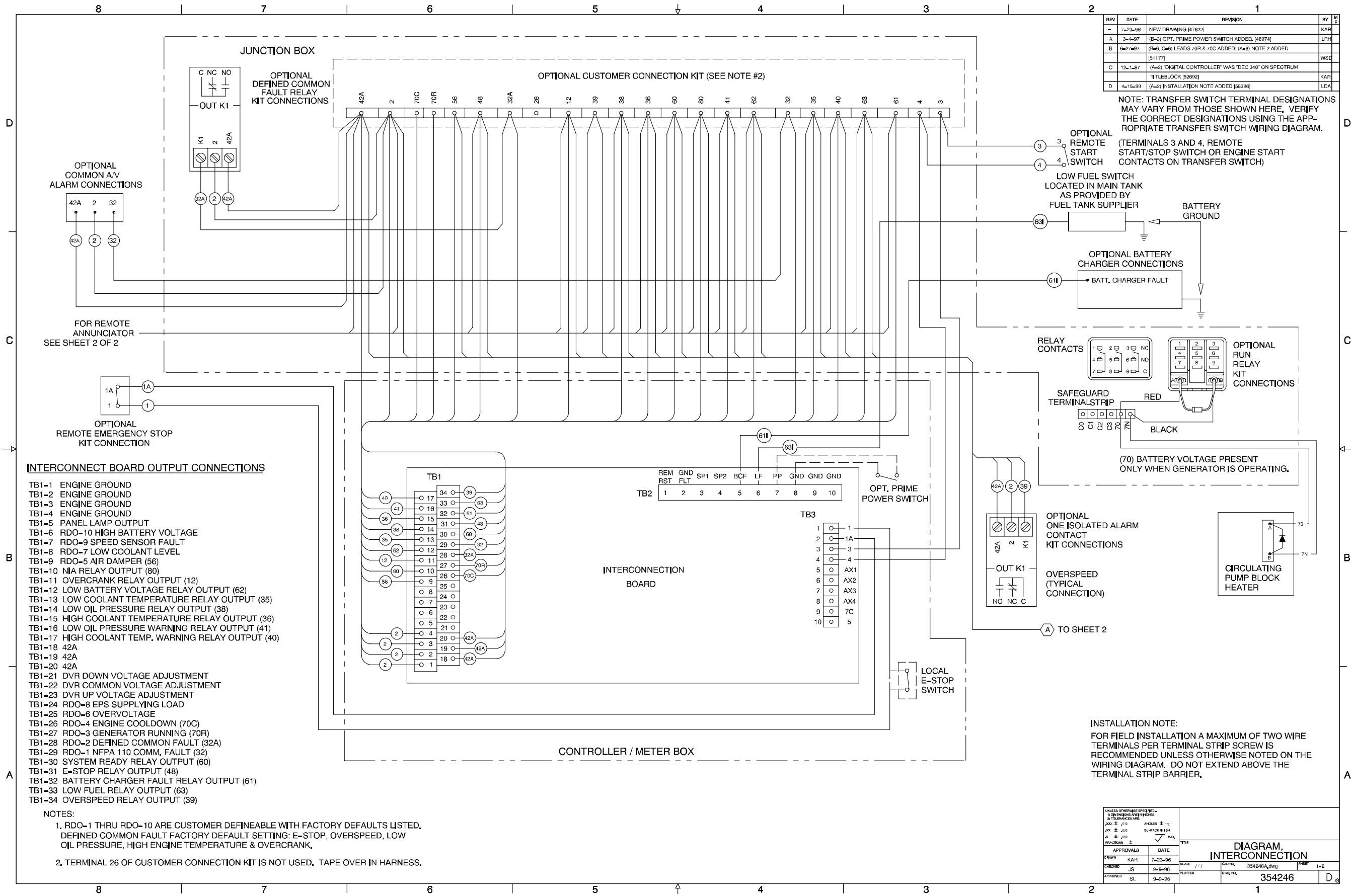


Decision-Maker™ 3+ Controller, Accessory Connections, Accessories, 328912A-F

REV	DATE	REVISION	BY	CHK
C	11-19-97	(A-2) MICROPROCESSOR-PLUS WAS DEC 3+ & (B-7)		
		"REMOTE ANNUNCIATOR" WAS "DECISION MONITOR" ON SPECTRUM TITLEBLOCK [5892]	KAR	
D	3-3-98	(A-2) 20-2000 KW WAS 20-1600 KW, (D-5) CUSTOMER INTERCONNECTION KIT, OR INNER PANEL TERMINAL BLOCK, ADDED [58975]	LDS	
F	4-21-99	(A-2) INSTALLATION NOTE ADDED [58306]	LDA	



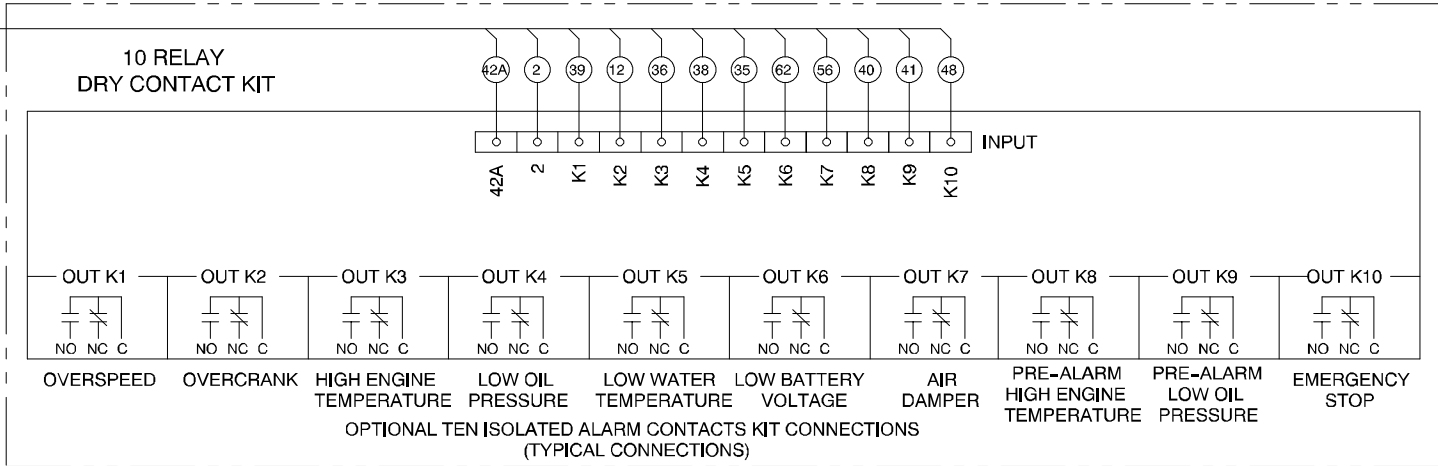
Decision-Maker™ 3+ Controller, Accessory Connections, Remote Annunciator Kit, 328912B-F



Decision-Maker™ 340 Controller, Accessory Connections, Accessories, 354246A-D

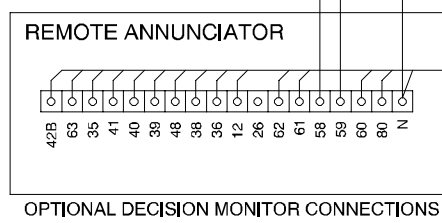
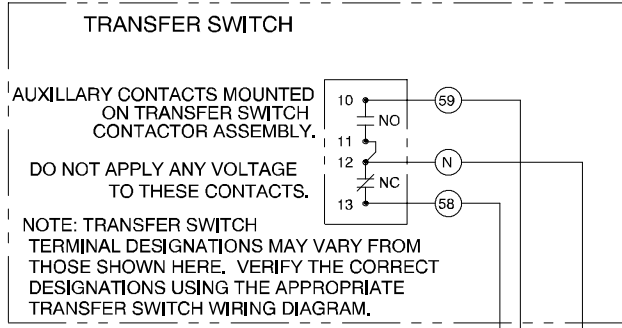
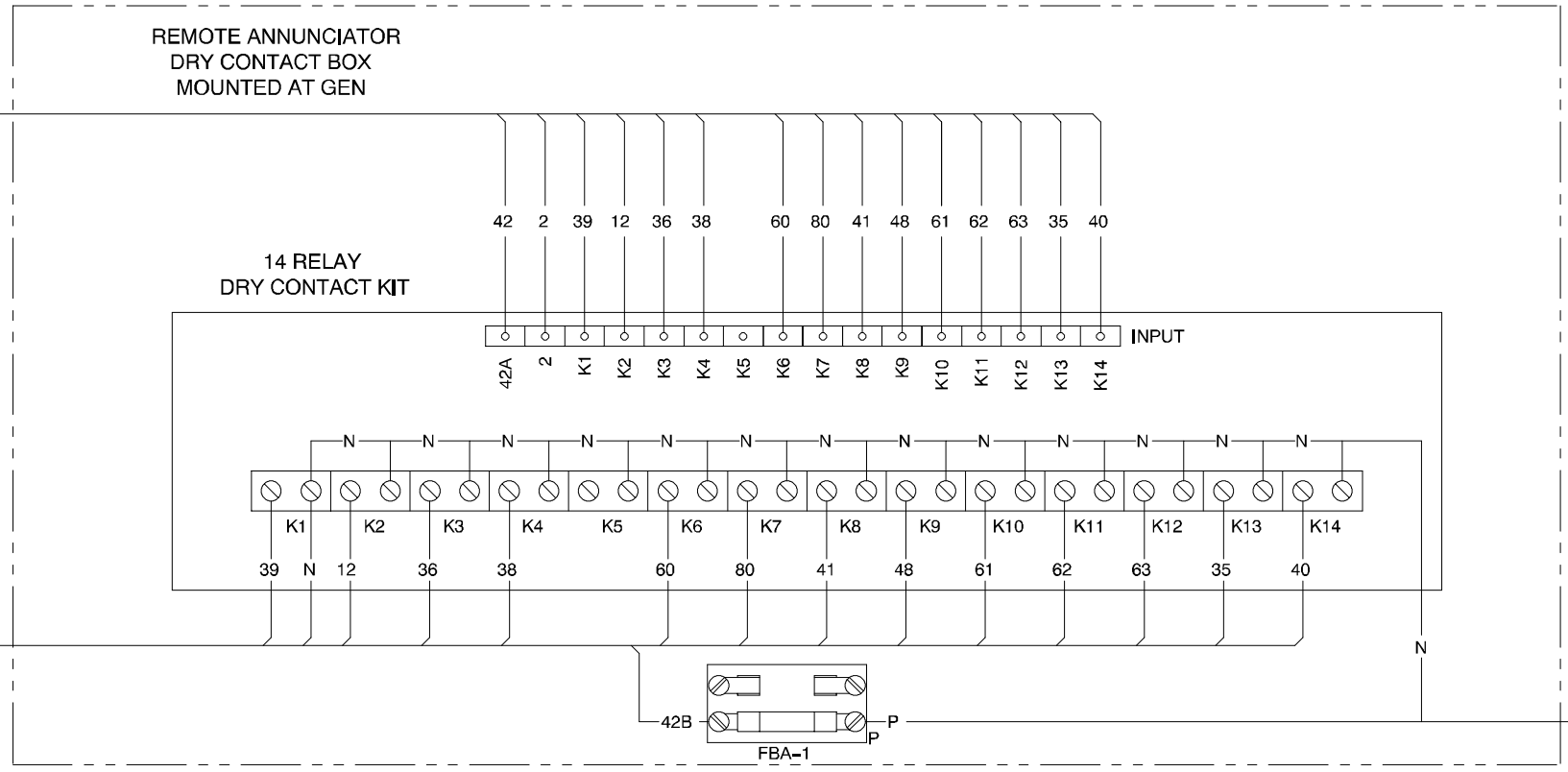
REV	DATE	REVISION	BY	MR
-	7-23-06	NEW DRAWING (47822)	KAR	
A	12-1-07	(A-2) DIGITAL CONTROLLER WAS "DEC 340" ON SPECTRUM	KAR	
		TITLEBLOCK (38892)	KAR	
D	4-15-09	(C-2) INSTALLATION NOTE ADDED (38899)	LDA	

TO SHEET 1 



INSTALLATION NOTE:
FOR FIELD INSTALLATION A MAXIMUM OF TWO WIRE TERMINALS PER TERMINAL STRIP SCREW IS RECOMMENDED UNLESS OTHERWISE NOTED ON THE WIRING DIAGRAM. DO NOT EXTEND ABOVE THE TERMINAL STRIP BARRIER.

WIRING HARNESS TO CONTROLLER BOARD



CUSTOMER SUPPLIED WIRES
#N & #42B WIRE REQUIRE
100 FT. - 18-20 GA.
500 FT. - 14 GA.
1000 FT. - 10 GA.
SIGNAL WIRES
18-20 GA. TO 1000 FT.
NOTE: IF ADDITIONAL LOAD IS ADDED
RESIZE N & 42B AS REQUIRED

ANNUNCIATOR FUSE BLOCK 10 AMP
NOTE:
CONTRACTOR TO HARDWIRE "P" TO BATTERY POSITIVE ENGINE CONNECTION, AND "N" TO BATTERY NEGATIVE ENGINE CONNECTION. USE WIRE HARNESS PROVIDED AND CUT & TERMINATE AS REQUIRED.

APPROVALS		DATE	TITLE
DESIGNED	KAR	7-23-06	DIAGRAM, INTERCONNECTION
DRAWN	JS	9-9-06	
APPROVED	SL	9-9-06	

SCALE	1/1	DWG. NO.	354246	SHEET	2-2
PLOTTED			DWG. NO.	354246	D

Decision-Maker™ 340 Controller, Accessory Connections, Remote Annunciator Kit, 354246B-D

TP-6098 9/01c

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Phone 1-800-544-2444

Kohler Power Systems
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Singapore 619159
Phone (65)264-6422, Fax (65)264-6455