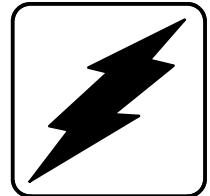


Wiring Diagrams

Industrial Generator Sets



Models:

600/900/1000/2000ROZM

Controllers:

Decision-Maker™ 550

Decision-Maker™ 340

Decision-Maker™ 3+

Engine Gauge Box for Paralleling Switchgear



KOHLER®

POWER SYSTEMS

TP-6058 5/01c

This manual provides wiring diagrams for the 600/900/1000/2000ROZM generator sets equipped with one of the following controllers:

- Decision-Maker™ 550
- Decision-Maker™ 340
- Decision-Maker™ 3+
- 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. Kohler Co. 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 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

Africa, Europe, Middle East

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

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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

Notes

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.
600ROZM	60	GM13277-GA1-	1-1
900ROZM	50	PA-111002-	1-1
900ROZM	60	PA-111001-	1-1
1000ROZM	50	PA-111003-	1-1
1000ROZM	60	PA-111004-	1-1
2000ROZM	50	GM16647-GA2-	2-1
2000ROZM	60	GM16647-GA1-	2-1

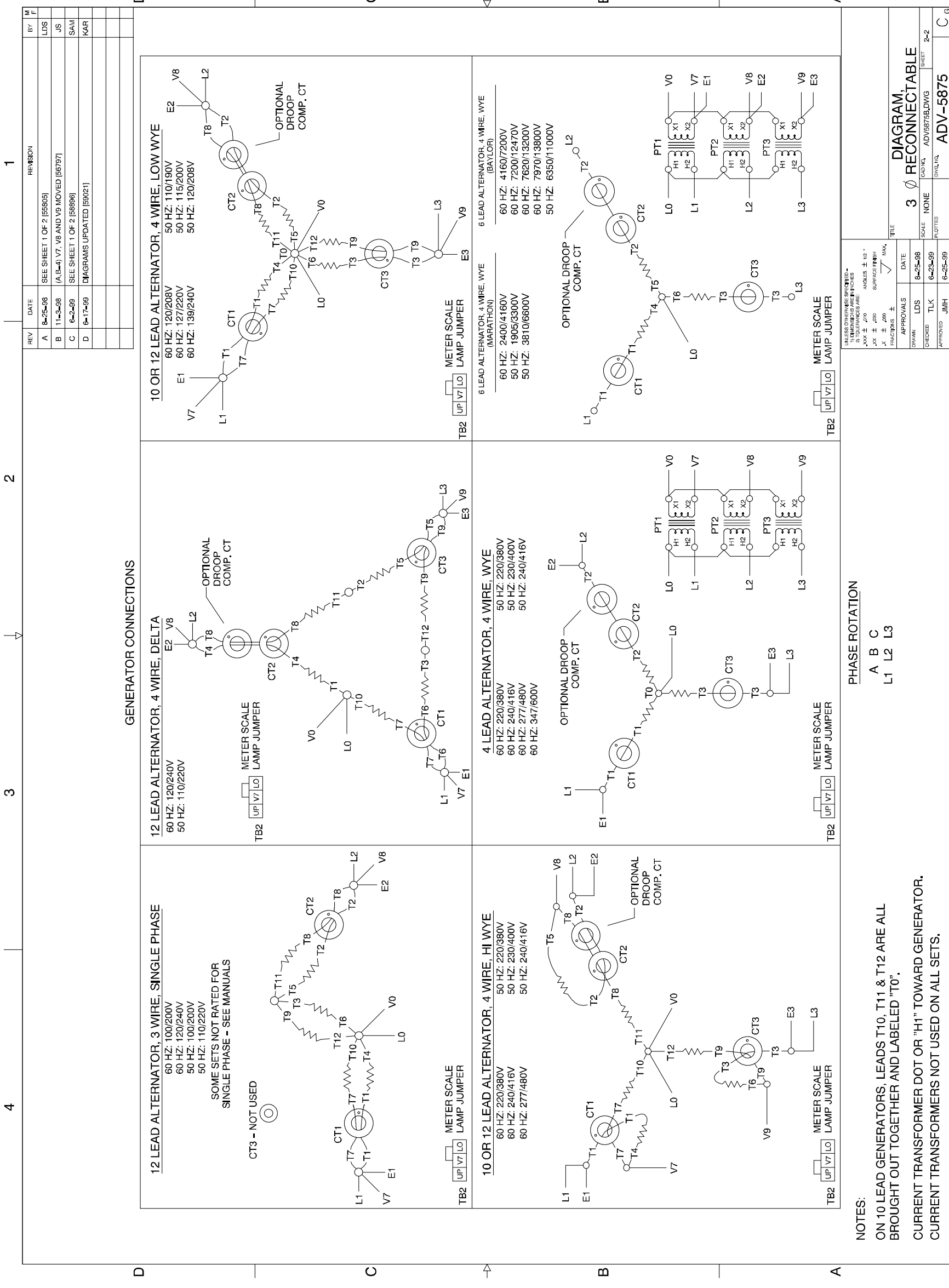
Controller Wiring Diagrams Reference

Controller Description	Version 1-1	Page	Version 2-1	Page
Decision-Maker™ 550 (190–600 Volt)				
Point-to-Point Wiring Diagram				
Sheet 1	GM15497A	18	GM18092A-A	31
Sheet 2	GM15497B	19	GM18092B-A	32
Schematic Diagram				
Sheet 1	ADV-6588A	6	ADV-6615A-A	8
Sheet 2	ADV-6588B	7	ADV-6615B-A	9
Accessory Connections				
Sheet 1	GM16088A-A	20	GM16088A-A	20
Sheet 2	GM16088B-A	21	GM16088B-A	21
Sheet 3	GM16759B-B	28	GM16759B-B	28
Sheet 4	GM16759C-B	29	GM16759C-B	29
Sheet 5	GM16759D-B	30	GM16759D-B	30
Decision-Maker™ 550 (1905–4160 Volt)				
Point-to-Point Wiring Diagram				
Sheet 1	—	—	GM18093A	33
Sheet 2	—	—	GM18093B	34
Schematic Diagram				
Sheet 1	—	—	ADV-6616A	10
Sheet 2	—	—	ADV-6616B	11
Accessory Connections				
Sheet 1	GM16088A-A	20	GM16088A-A	20
Sheet 2	GM16088B-A	21	GM16088B-A	21
Sheet 3	GM16759B-B	28	GM16759B-B	28
Sheet 4	GM16759C-B	29	GM16759C-B	29
Sheet 5	GM16759D-B	30	GM16759D-B	30

continued on next page

Controller Wiring Diagrams Reference, continued

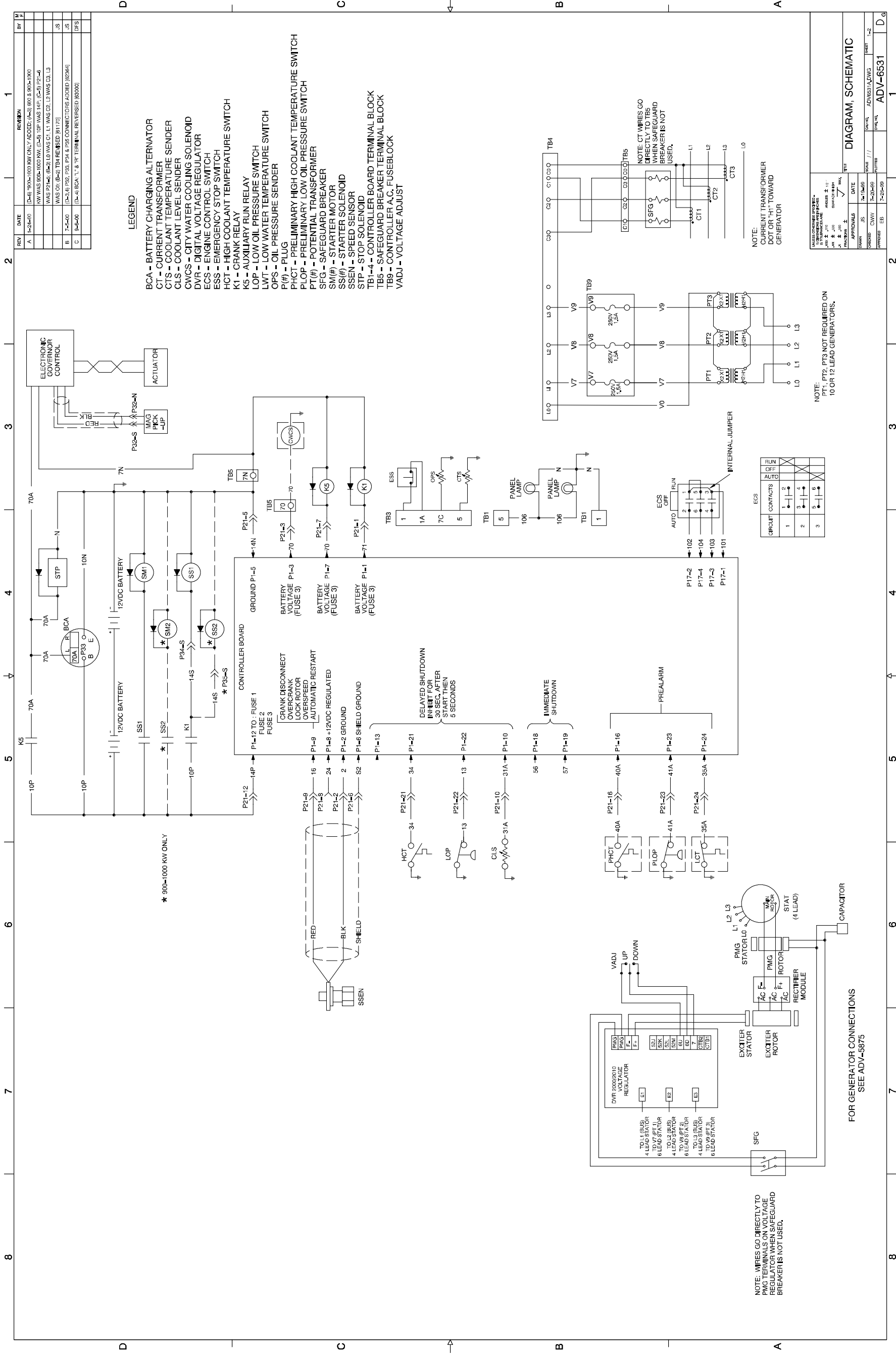
Controller Description	Version 1-1	Page	Version 2-1	Page
Decision-Maker™ 340				
Point-to-Point Wiring Diagram				
Sheet 1	GM11409A-C	14	—	—
Sheet 2	GM11409B-C	15	—	—
Schematic Diagram				
Sheet 1	ADV-6531A-C	3	—	—
Sheet 2	ADV-6531B-C	4	—	—
Accessory Connections				
Sheet 1	354246A-D	38	—	—
Sheet 2	354246B-D	39	—	—
Sheet 3	GM16758C-A	23	—	—
Sheet 4	GM16758E-A	25	—	—
Sheet 5	GM16758G-A	27	—	—
Decision-Maker™ 3+				
Point-to-Point Wiring Diagram				
Sheet 1	GM11001A-B	12	—	—
Sheet 2	GM11001B-B	13	—	—
Schematic Diagram				
Sheet 1	ADV-6528-B	2	—	—
Accessory Connections				
Sheet 1	328912A-F	35	—	—
Sheet 2	328912B-F	36	—	—
Sheet 3	328912C-F	37	—	—
Sheet 4	GM16758B-A	22	—	—
Sheet 5	GM16758D-A	24	—	—
Sheet 6	GM16758F-A	26	—	—
Engine Gauge Box for Paralleling Switchgear Controller				
Point-to-Point Wiring Diagram				
Sheet 1	GM11410A-B	16	—	—
Sheet 2	GM11410B-B	17	—	—
Schematic Diagram				
Sheet 1	ADV-6532-B	5	—	—
Generator Reconnections	ADV-5875B-D	1	ADV-5875B-D	1



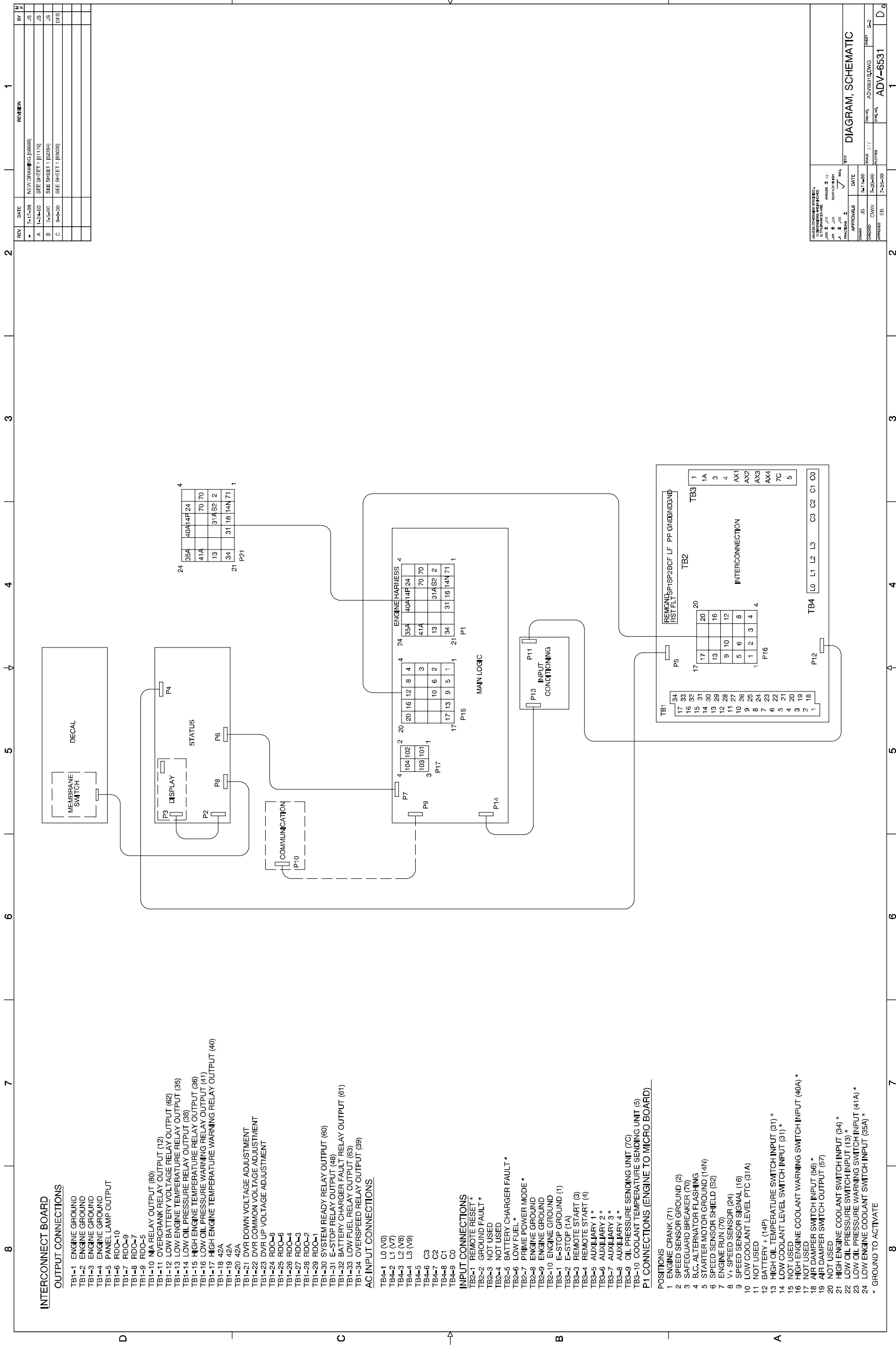
REV	DATE	REVISION	BY	APP
A	8-25-98	SEE SHEET 1 OF 2 (58505)	LDS	
B	11-5-98	(A,B-4) V7, V8 AND V9 MOVED (56797)	JS	
C	6-2-99	SEE SHEET 1 OF 2 (58896)	SAM	
D	6-17-99	DIAGRAMS UPDATED (59021)	KAR	

UNLESS OTHERWISE SPECIFIED -	UNLESS OTHERWISE SPECIFIED -
1) TOLERANCES ARE	ANGLES ± 12°
± .005	± .005
± .005	SURFACE FINISH
± .005	MAX.
FRACTIONS ±	
APPROVALS	DATE
DRAWN LDS	6-25-98
CHECKED TLK	6-25-99
APPROVED JMH	6-25-99
DIAGRAM, RECONNECTABLE	
3 Ø	
CAD NO.	ADV5875B.DWG
SCALE	NONE
SHEET	2-2
PLOTTED	
ADV-5875	

Generator Reconnections, ADV-5875B-D



Decision-Maker™ 340 Controller, Schematic Diagram, Sheet 1, ADV-6531A-C



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 N/A 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 (1A)
- TB3-2 REMOTE START (3)
- TB3-3 REMOTE START (4)
- TB3-4 AUXILIARY 1*
- TB3-5 AUXILIARY 2*
- TB3-6 AUXILIARY 3*
- TB3-7 AUXILIARY 4*
- 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 ENGINE COOLANT WARNING SWITCH INPUT (40A)*
 - 17 NOT USED
 - 18 AIR DAMPER SWITCH INPUT (56)*
 - 19 AIR DAMPER SWITCH OUTPUT (57)
 - 20 NOT USED
 - 21 HIGH ENGINE COOLANT SWITCH INPUT (34)*
 - 22 LOW OIL PRESSURE SWITCH INPUT (13)*
 - 23 LOW OIL PRESSURE WARNING SWITCH INPUT (41A)*
 - 24 LOW ENGINE COOLANT SWITCH INPUT (35A)*

* GROUND TO ACTIVATE

REV	DATE	REVISION	BY	CHK
A	7-17-98	NEW DRAWING (64668)	JS	JS
B	7-24-00	SITE SHEET 1 (61170)	JS	JS
C	7-24-00	SITE SHEET 1 (62084)	JS	JS
D	9-2-00	SITE SHEET 1 (60008)	JS	JS

DESIGNED BY	DATE	SCALE	SHEET
ADV-6531B-C	7-24-00	1/1	34-2

APPROVALS	DATE
DESIGNED BY: JS	7-24-00
CHECKED BY: JS	7-24-00
APPROVED BY: EB	7-24-00

DATE	SCALE	SHEET
7-24-00	1/1	34-2

Decision-Maker™ 340 Controller, Schematic Diagram, Sheet 2, ADV-6531B-C

Engine Gauge Box for Paralleling Switchgear Controller, Schematic Diagram, ADV-6532-B

REVISION	DATE	BY
1	7-2-03	JS
2	7-2-03	JS
3	8-2-03	JS
4	8-2-03	JS
5	8-2-03	JS
6	8-2-03	JS
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10	8-2-03	JS

DESCRIPTION	DATE	BY
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REVISED (88888)	7-2-03	JS
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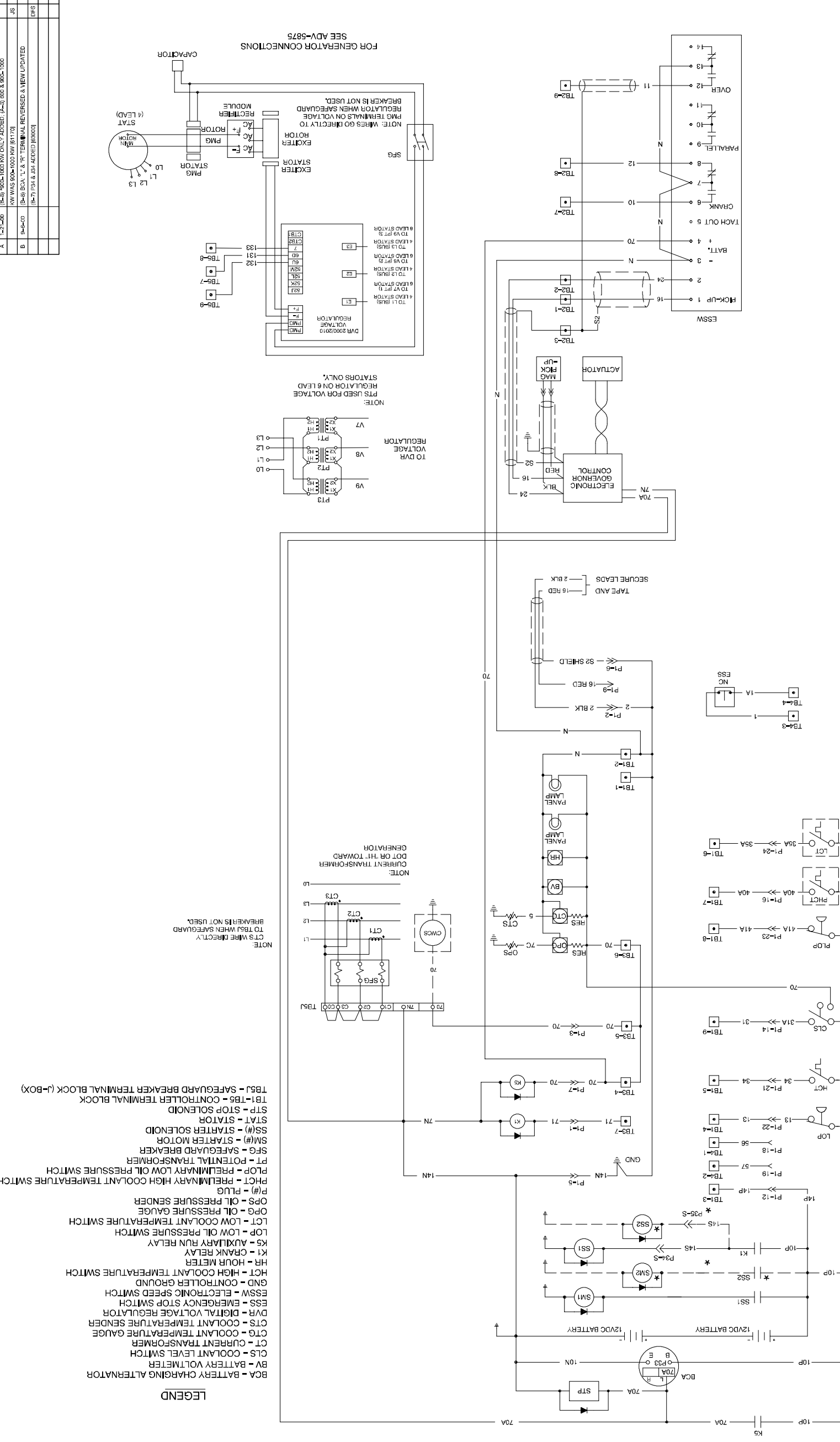
DIAGRAM, SCHEMATIC	ADV-6532
ENG. GAUGE BOX CONTR.	ADV-6532
DATE	7-2-03
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9	8-2-03	JS
10	8-2-03	JS

FOR GENERATOR CONNECTIONS
SEE ADV-5875

NOTE: WIRES GO DIRECTLY TO
PMG TERMINALS ON VOLTAGE
REGULATOR WHEN SAFEGUARD
BREAKER IS NOT USED.

NOTE:
PTS USED FOR VOLTAGE
REGULATOR ON LEAD
STATORS ONLY.

NOTE:
CURRENT TRANSFORMER
DOT OR "H" TOWARD
GENERATOR

NOTE:
CTS WIRE DIRECTLY
TO TB5 WHEN SAFEGUARD
BREAKER IS NOT USED.

NOTE:
DVR 220V/210V
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DVR 220V/210V
MAG VOLTAGE
REGULATOR

NOTE:
DVR 220V/210V
MAG VOLTAGE
REGULATOR

NOTE:
DVR 220V/210V
MAG VOLTAGE
REGULATOR

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DVR 220V/210V
MAG VOLTAGE
REGULATOR

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MAG VOLTAGE
REGULATOR

NOTE:
DVR 220V/210V
MAG VOLTAGE
REGULATOR

NOTE:
DVR 220V/210V
MAG VOLTAGE
REGULATOR

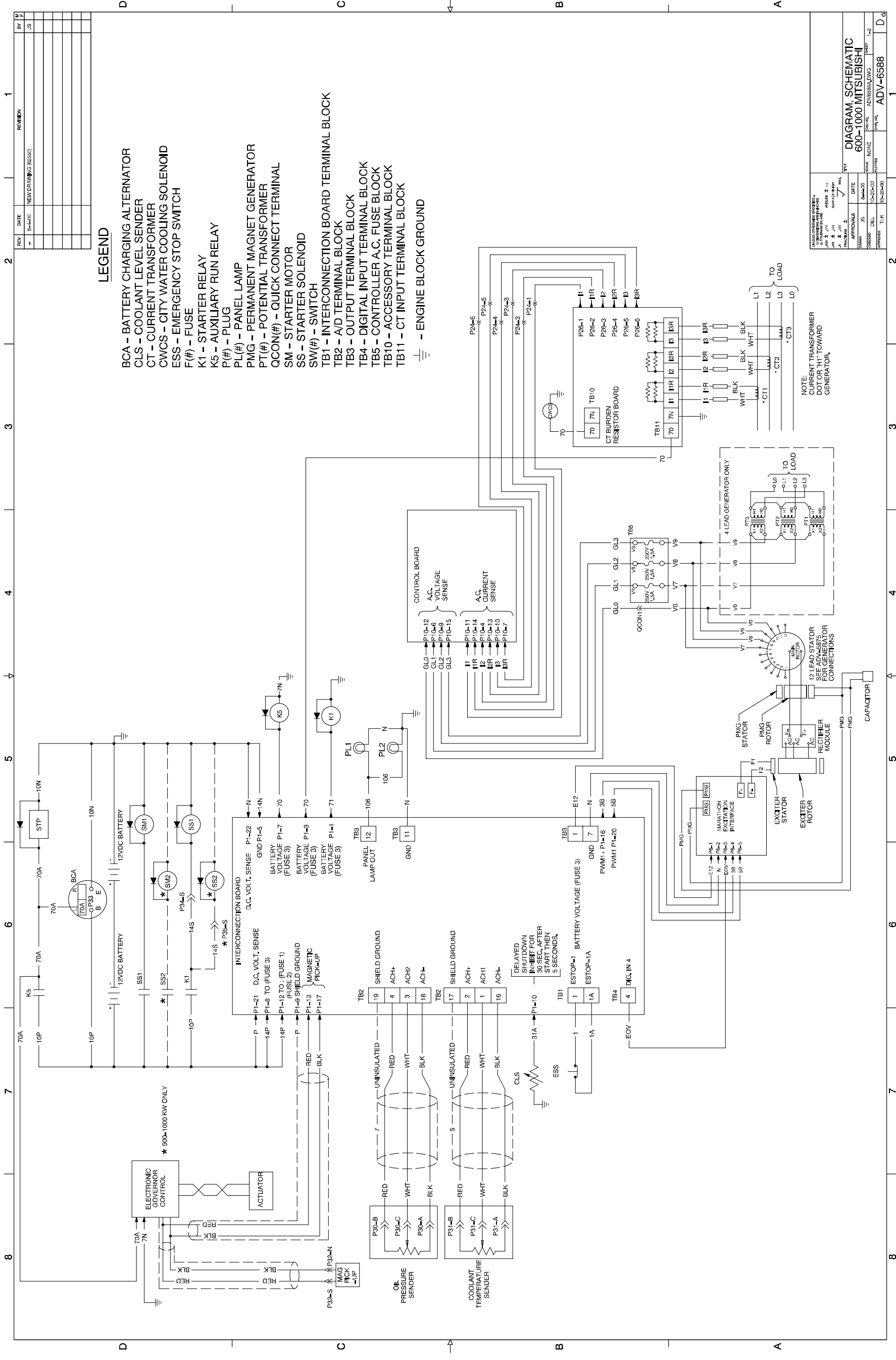
NOTE:
DVR 220V/210V
MAG VOLTAGE
REGULATOR

NOTE:
DVR 220V/210V
MAG VOLTAGE
REGULATOR

NOTE:
DVR 220V/210V
MAG VOLTAGE
REGULATOR

NOTE:
DVR 220V/210V
MAG VOLTAGE
REGULATOR

NOTE:
DVR 220V/210V
MAG VOLTAGE
REGULATOR



LEGEND

- BCA - BATTERY CHARGING ALTERNATOR
- CLS - COOLANT LEVEL SENDER
- CT - CURRENT TRANSFORMER
- CWCS - CITY WATER COOLING SOLENOID
- ESS - EMERGENCY STOP SWITCH
- F(#) - FUSE
- K1 - STARTER RELAY
- K5 - AUXILIARY RUN RELAY
- P(#)- PLUG
- PL(#)- PANEL LAMP
- PMG - PERMANENT MAGNET GENERATOR
- PT(#)- POTENTIAL TRANSFORMER
- QCON(#)- QUICK CONNECT TERMINAL
- SM - STARTER MOTOR
- SS - STARTER SOLENOID
- SW(#)- SWITCH
- 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
- TB11 - CT INPUT TERMINAL BLOCK
- ⊥ - ENGINE BLOCK GROUND

REVISION	DATE	BY
1	8-1-00	JS
NEW DRAWING (82550)		

APPROVALS	DATE
DESIGNED BY: JS	8-1-00
CHECKED BY: DEL	8-2-00
APPROVED BY: TJK	10-20-00

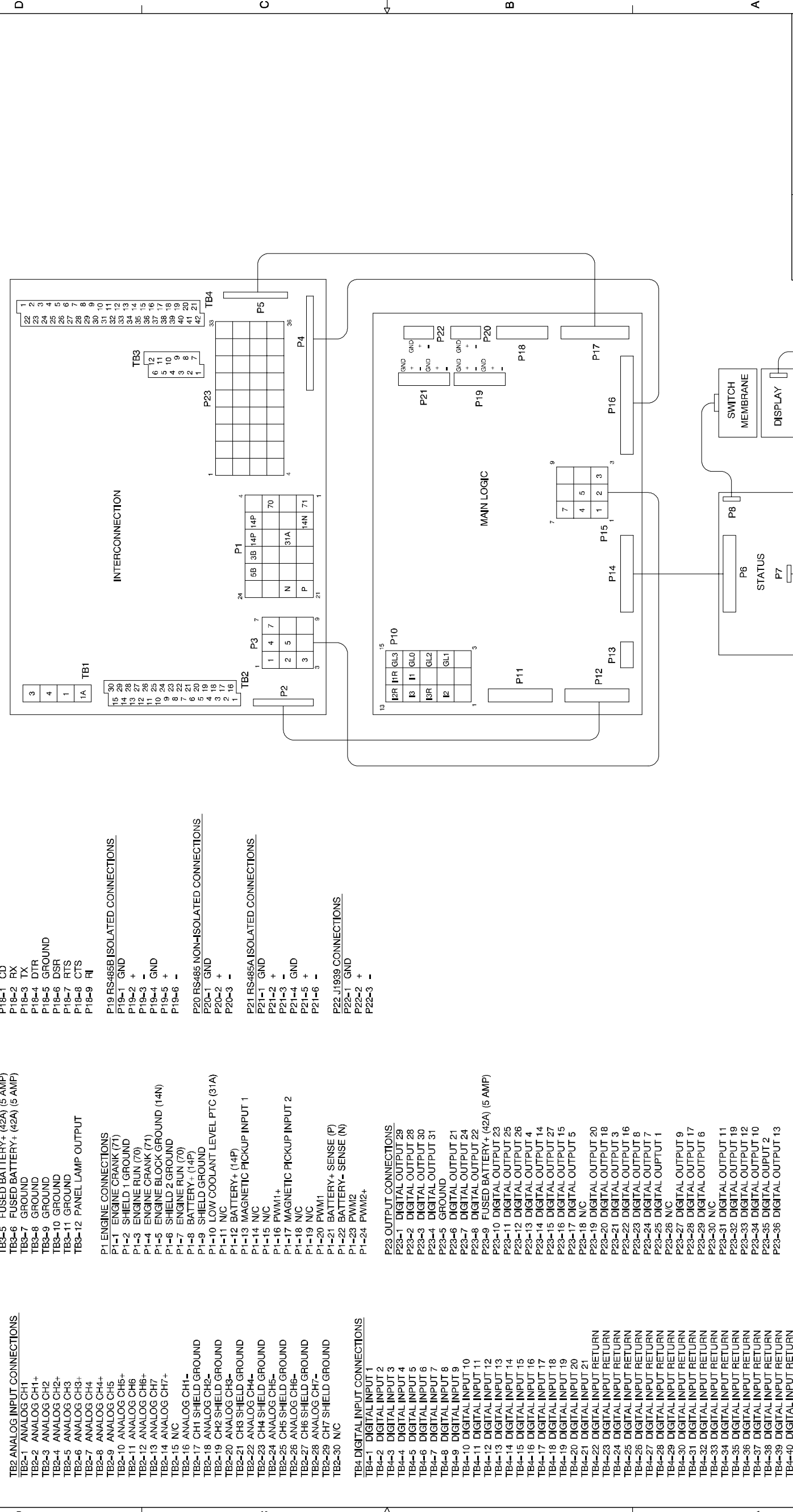
PROJECT	NO.	REV.
ADV-6588A	1	1-2

DIAGRAM, SCHEMATIC
600-1000 MITSUBISHI

Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 1, ADV-6588A

REV	DATE	REVISION	BY	APP
1	8-4-80	NEW DRAWING (82459)		
2				
3				
4				
5				
6				
7				
8				

REV	DATE	REVISION	BY	APP
1	8-4-80	NEW DRAWING (82459)		
2				
3				
4				
5				
6				
7				
8				



APPROVALS		DATE	REF
DESIGNED BY	J.S.	8-4-80	
CHECKED BY	DEL	8-25-80	
APPROVED BY	T.L.K.	10-20-80	

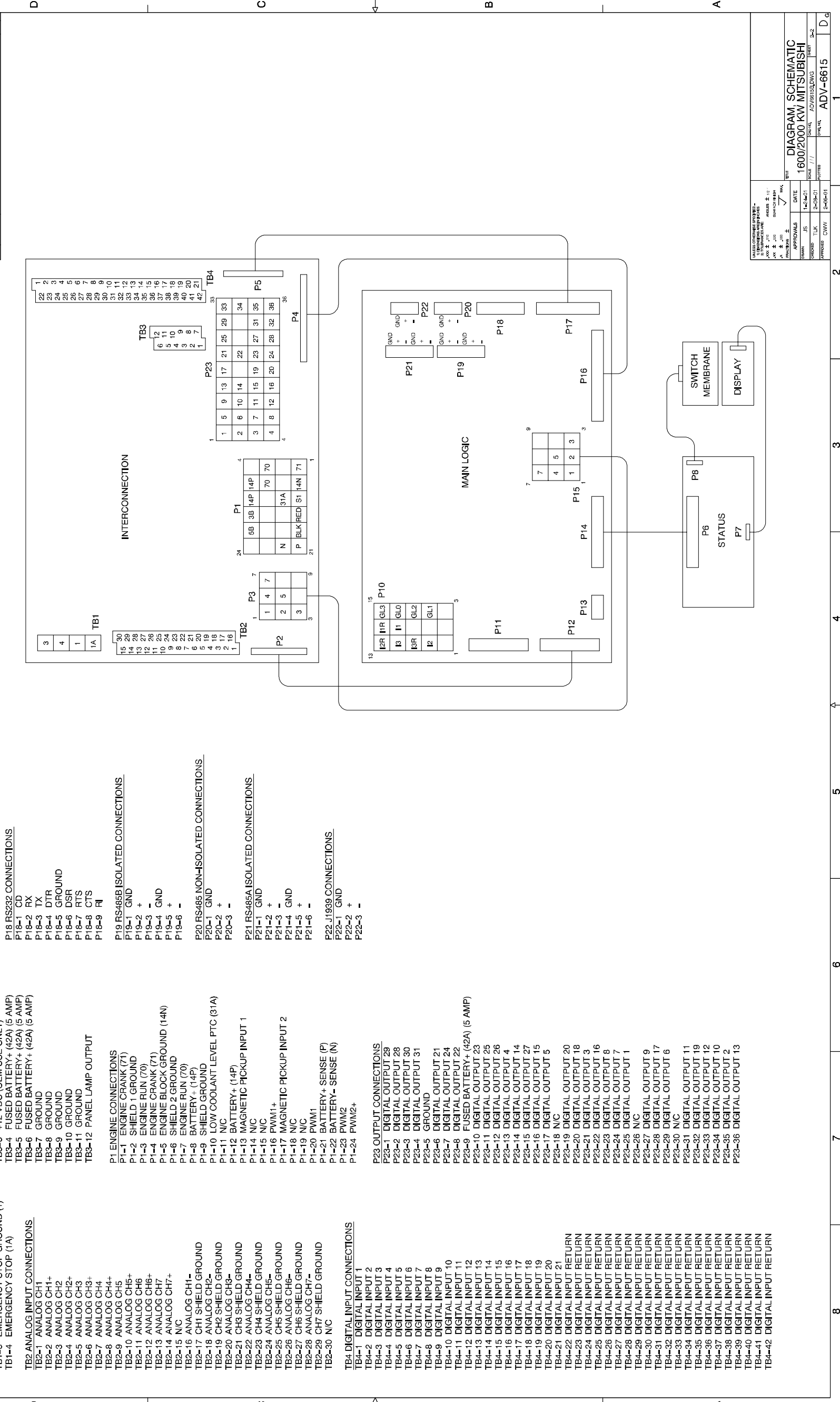
TITLE		SCALE	SHEET
DIAGRAM, SCHEMATIC		1/1	3-2
600-1000 MITSUBISHI			

PROJECT	WORKING DRAWING	DATE	BY	APP
ADV-6588B	ADV-6588B			

Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 2, ADV-6588B

REV	DATE	DESCRIPTION	BY	APP
1	1-24-01	NEW DRAWING (85/21)	JS	
2	4-5-01	SEE SHEET 1 OF 2 (86/51)	JS	

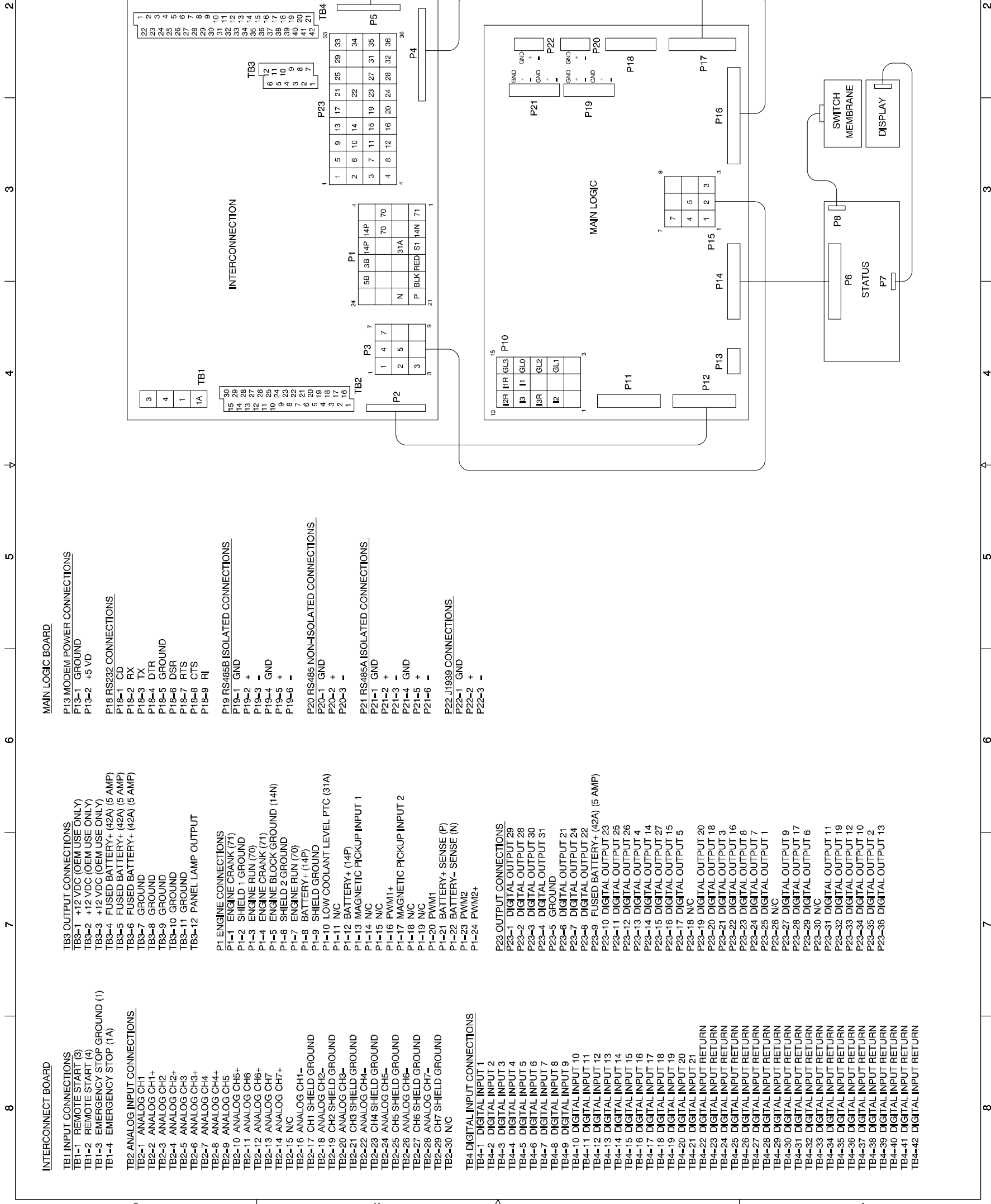
REV	DATE	DESCRIPTION	BY	APP
1	1-24-01	NEW DRAWING (85/21)	JS	
2	4-5-01	SEE SHEET 1 OF 2 (86/51)	JS	



REV	DATE	DESCRIPTION	BY	APP
1	1-24-01	NEW DRAWING (85/21)	JS	
2	4-5-01	SEE SHEET 1 OF 2 (86/51)	JS	

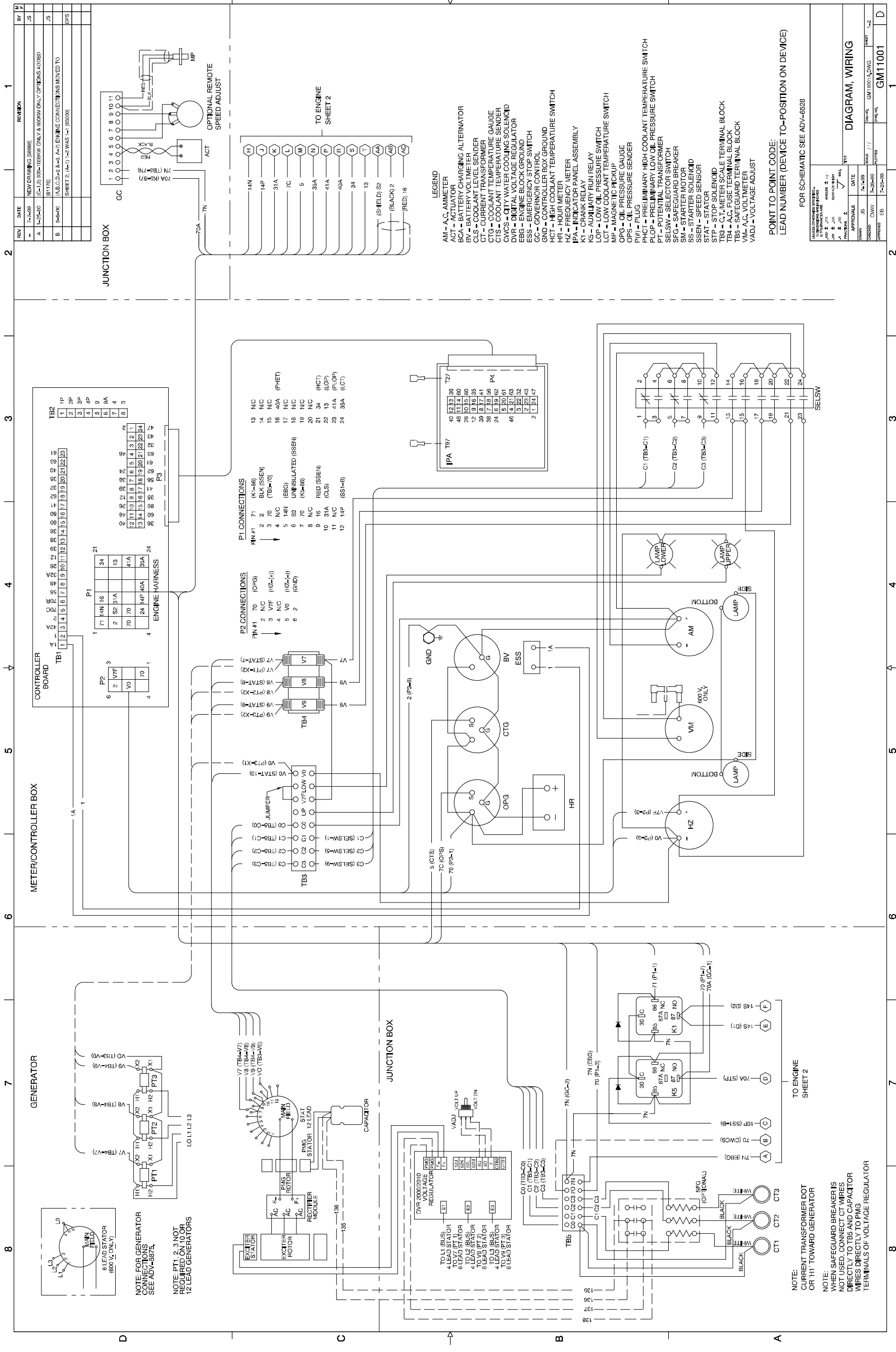
Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 2, ADV-6615B-A

REV	DATE	REVISION	BY	APP
1	1-23-01	NEW DRAWING (85721)		



REV	DATE	REVISION	BY	APP
1	1-23-01	NEW DRAWING (85721)		

Decision-Maker™ 550 Controller, Schematic Diagram, Sheet 2, ADV-6616B



Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 1, GM11001A-B

REV	DATE	REVISION	BY	APP
1	7-2-89	NEW DRAWING (88888)		JS
2	7-25-90	(C-1,2) 500V/1000V ONLY & 600V ONLY OPTIONS ADDED		JS
3	8-24-90	(A,B,C,D-E) 1-3, 7-7) ENGINE CONNECTIONS MOVED TO SHEET 2, (A-1) 1-2) WAS 1-1 (8000)		DPS

APPROVALS		DATE	BY
DESIGNED	CHKD	7-2-89	JS
DRAWN	APP'D	7-25-90	DPS
INSTRUMENTED	TESTED	7-25-90	DPS
WIRING	EB	7-25-90	DPS

POINT TO POINT CODE		LEAD NUMBER (DEVICE TO-POSITION ON DEVICE)
1	1P	1
2	2P	2
3	3P	3
4	4P	4
5	5P	5
6	6P	6
7	7P	7
8	8P	8
9	9P	9
10	10P	10
11	11P	11
12	12P	12
13	13P	13
14	14P	14
15	15P	15
16	16P	16
17	17P	17
18	18P	18
19	19P	19
20	20P	20
21	21P	21
22	22P	22
23	23P	23
24	24P	24

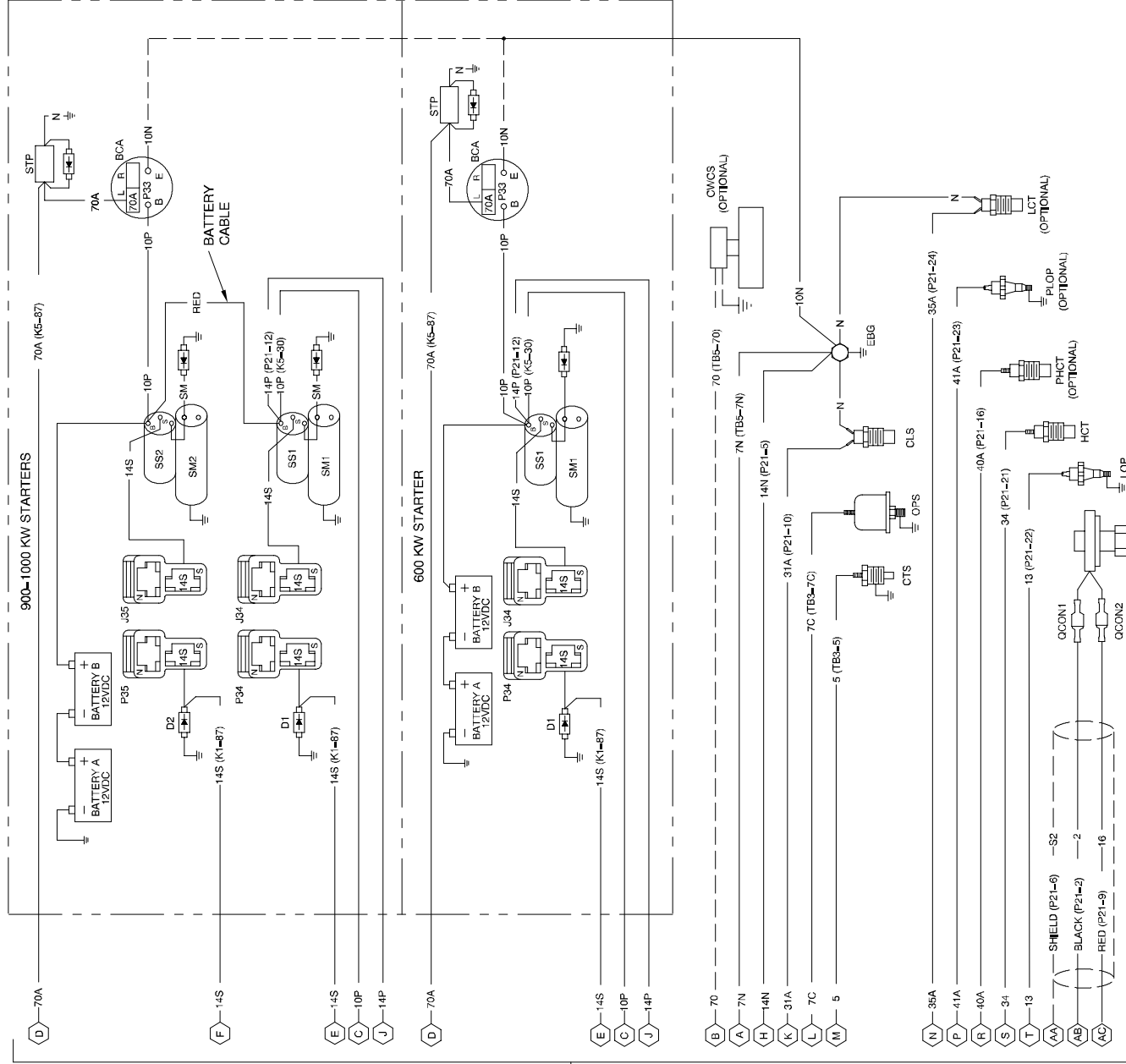
FOR SCHEMATIC SEE ADV-6628	
DESIGNED	CHKD
DRAWN	APP'D
INSTRUMENTED	TESTED
WIRING	EB

NOTE: CURRENT TRANSFORMER DOT OR HIT TOWARD GENERATOR

NOTE: WHEN SAFEGUARD BREAKER IS NOT USED, CONNECT CT WIRES DIRECTLY TO TB5 AND CAPACITOR WIRES DIRECTLY TO PMG TERMINALS OF VOLTAGE REGULATOR

REV	DATE	REVISION	BY
B	6-25-90	THIS SHEET ADDED: (C-1, D-4) BCA, 'L' & 'R' TERMINALS. REVERSED & VIEW UPDATED (2 PLACES); (C-5, D-5) P2M & P2S ADDED (2 PLACES); (D-8) P2S & (2S) ADDED (2S00E)	DP/S

ENGINE

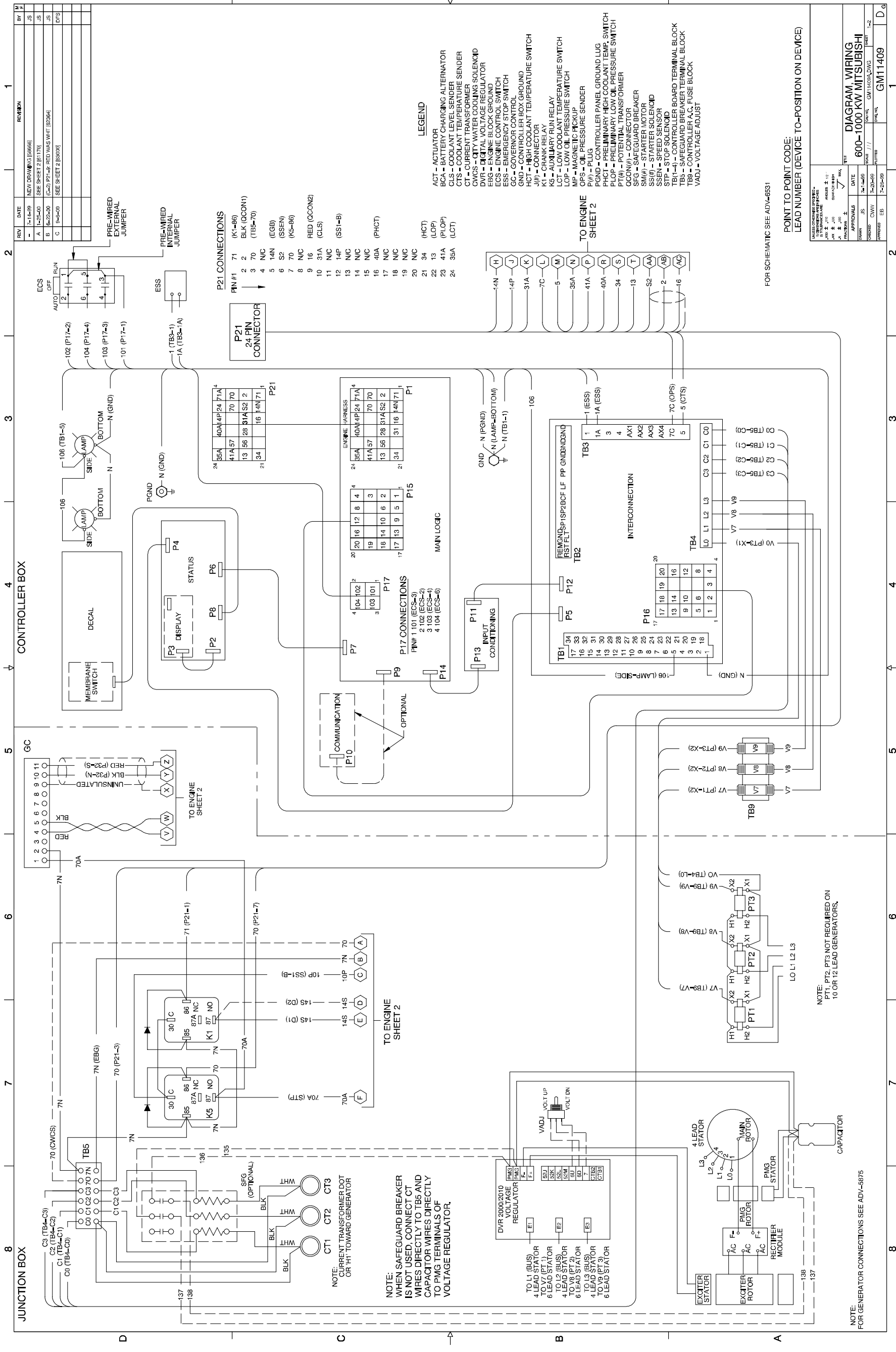


FROM SHEET 1

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

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR CONSTRUCTION	7-2-90	EB
2	REVISION	7-2-90	EB
3	REVISION	7-2-90	EB
4	REVISION	7-2-90	EB
5	REVISION	7-2-90	EB
6	REVISION	7-2-90	EB
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20	REVISION	7-2-90	EB
21	REVISION	7-2-90	EB
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23	REVISION	7-2-90	EB
24	REVISION	7-2-90	EB
25	REVISION	7-2-90	EB
26	REVISION	7-2-90	EB
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28	REVISION	7-2-90	EB
29	REVISION	7-2-90	EB
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69	REVISION	7-2-90	EB
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71	REVISION	7-2-90	EB
72	REVISION	7-2-90	EB
73	REVISION	7-2-90	EB
74	REVISION	7-2-90	EB
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93	REVISION	7-2-90	EB
94	REVISION	7-2-90	EB
95	REVISION	7-2-90	EB
96	REVISION	7-2-90	EB
97	REVISION	7-2-90	EB
98	REVISION	7-2-90	EB
99	REVISION	7-2-90	EB
100	REVISION	7-2-90	EB

Decision-Maker™ 3+ Controller, Point-to-Point Wiring Diagram, Sheet 2, GM11001B-B



JUNCTION BOX

CONTROLLER BOX

TO ENGINE SHEET 2

TO ENGINE SHEET 2

TO ENGINE SHEET 2

TO ENGINE SHEET 2

NOTE: WHEN SAFEGUARD BREAKER IS NOT USED, CONNECT CT WIRES DIRECTLY TO TB5 AND CAPACITOR WIRES DIRECTLY TO PMG TERMINALS OF VOLTAGE REGULATOR.

NOTE: CURRENT TRANSFORMER DOT OR 'H' TOWARD GENERATOR.

NOTE: PTT1, PTT2, PTT3 NOT REQUIRED ON 10 OR 12 LEAD GENERATORS.

NOTE: FOR GENERATOR CONNECTIONS SEE ADV-6875

LEGEND

- ACT - ACTUATOR
- BCA - BATTERY CHARGING ALTERNATOR
- CLS - COOLANT LEVEL SENDER
- CTS - COOLANT TEMPERATURE SENDER
- CT - CURRENT TRANSFORMER
- DVR - DIGITAL WATER COOLING SOLENOID
- ECS - ENGINE STOP SWITCH
- ESS - EMERGENCY STOP SWITCH
- GC - GOVERNOR CONTROL
- GC - GOVERNOR CONTROL
- GND - CONTROLLER BOX GROUND
- HCT - HIGH COOLANT TEMPERATURE SWITCH
- J/P - CONNECTOR
- K1 - CRANK RELAY
- K5 - AUXILIARY RUN RELAY
- LCT - LOW COOLANT TEMPERATURE SWITCH
- LCP - LOW OIL PRESSURE SWITCH
- OP - OPERATOR PICKUP
- OP - OIL PRESSURE SENDER
- P/# - PLUS
- PGND - CONTROLLER PANEL GROUND LUG
- PHCT - PRELIMINARY HIGH COOLANT TEMP. SWITCH
- PLOP - PRELIMINARY LOW OIL PRESSURE SWITCH
- PT/# - POTENTIAL TRANSFORMER
- OCCON/# - CONNECTOR
- SFG - SAFEGUARD BREAKER
- SM/# - STARTER MOTOR
- SSM/# - STARTER SOLENOID
- SSN - STOP SENDER
- STS - STOP SOLENOID
- TB# - CONTROLLER BOARD TERMINAL BLOCK
- TB5 - SAFEGUARD BREAKER TERMINAL BLOCK
- TB8 - CONTROLLER A.C. FUSE BLOCK
- VADJ - VOLTAGE ADJUST

REV	DATE	DESCRIPTION	BY	CHK
1	1-14-99	NEW DRAWING (58666)	J.S.	J.S.
2	1-25-00	SEE SHEET 2 (P17)	J.S.	J.S.
3	1-25-00	(C-2) P21-8 RED WAS WHT (E204)	J.S.	J.S.
4	1-25-00	SEE SHEET 2 (E203)	J.S.	J.S.

P21 CONNECTIONS

FIN #1	(K1-86)
1	BLK (OCON1)
2	(115-70)
3	4 N/C
4	5 14N (EGB)
5	6 S2 (SSN)
6	7 70 (K5-86)
7	8 N/C
8	9 16 RED (OCON2)
9	10 31A (CLS)
10	11 N/C
11	12 14P (SS1-B)
12	13 N/C
13	14 N/C
14	15 N/C
15	16 40A (PHCT)
16	17 N/C
17	18 N/C
18	19 N/C
19	20 N/C
20	21 34 (HCT)
21	22 13 (LOP)
22	23 41A (PLOP)
23	24 35A (LCT)

P17 CONNECTIONS

FIN #1	(ECS-3)
1	103 (ECS-3)
2	102 (ECS-4)
3	104 (ECS-5)
4	104 (ECS-6)

P15 CONNECTIONS

FIN #1	(ECS-3)
1	103 (ECS-3)
2	102 (ECS-4)
3	104 (ECS-5)
4	104 (ECS-6)

P16 CONNECTIONS

FIN #1	(ECS-3)
1	103 (ECS-3)
2	102 (ECS-4)
3	104 (ECS-5)
4	104 (ECS-6)

P17 CONNECTIONS

FIN #1	(ECS-3)
1	103 (ECS-3)
2	102 (ECS-4)
3	104 (ECS-5)
4	104 (ECS-6)

P21 CONNECTIONS

FIN #1	(ECS-3)
1	103 (ECS-3)
2	102 (ECS-4)
3	104 (ECS-5)
4	104 (ECS-6)

P21 CONNECTIONS

FIN #1	(ECS-3)
1	103 (ECS-3)
2	102 (ECS-4)
3	104 (ECS-5)
4	104 (ECS-6)

P21 CONNECTIONS

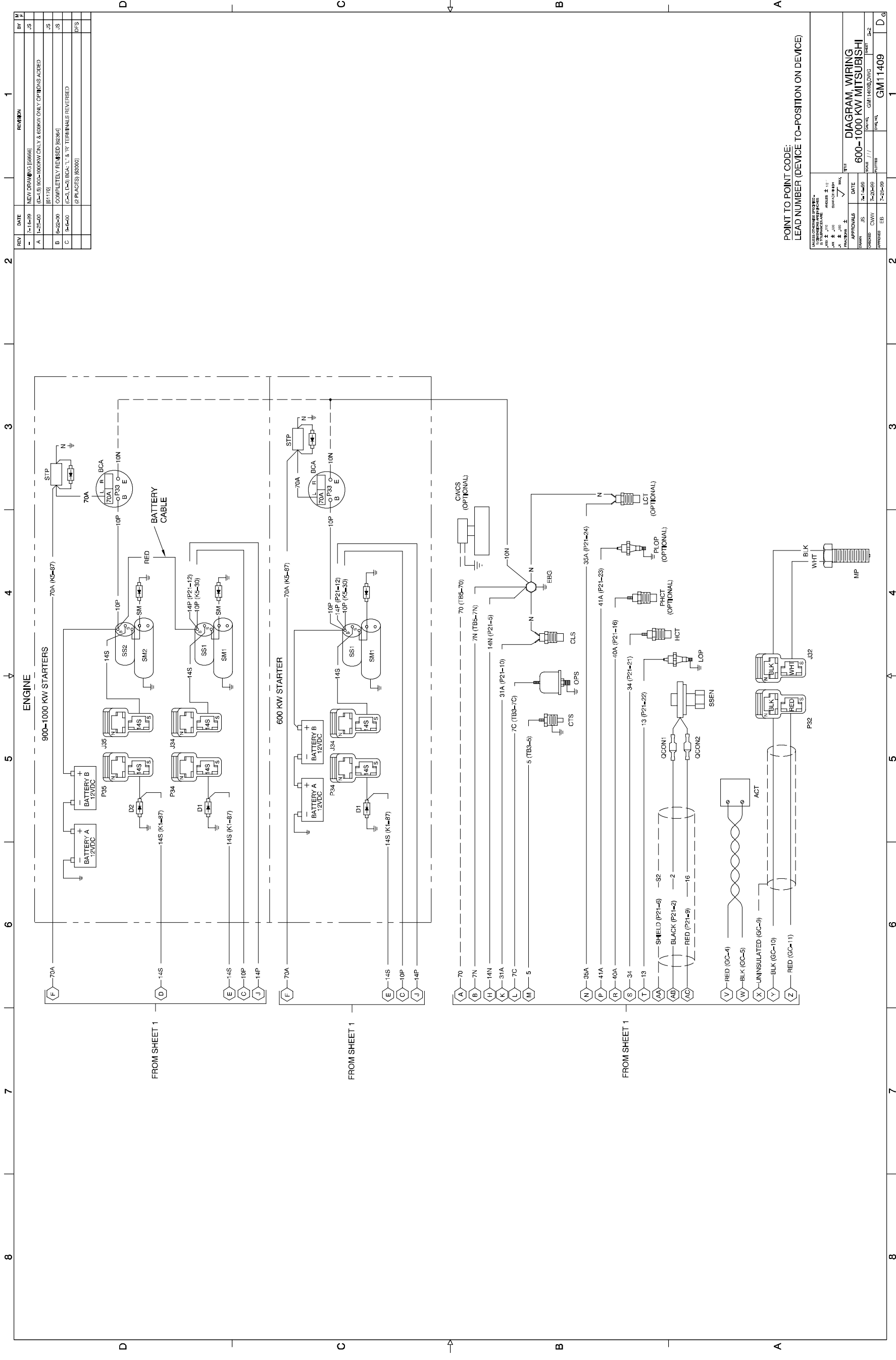
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1	103 (ECS-3)
2	102 (ECS-4)
3	104 (ECS-5)
4	104 (ECS-6)

P21 CONNECTIONS

FIN #1	(ECS-3)
1	103 (ECS-3)
2	102 (ECS-4)
3	104 (ECS-5)
4	104 (ECS-6)

P21 CONNECTIONS

FIN #1	(ECS-3)
1	103 (ECS-3)
2	102 (ECS-4)
3	104 (ECS-5)
4	104 (ECS-6)



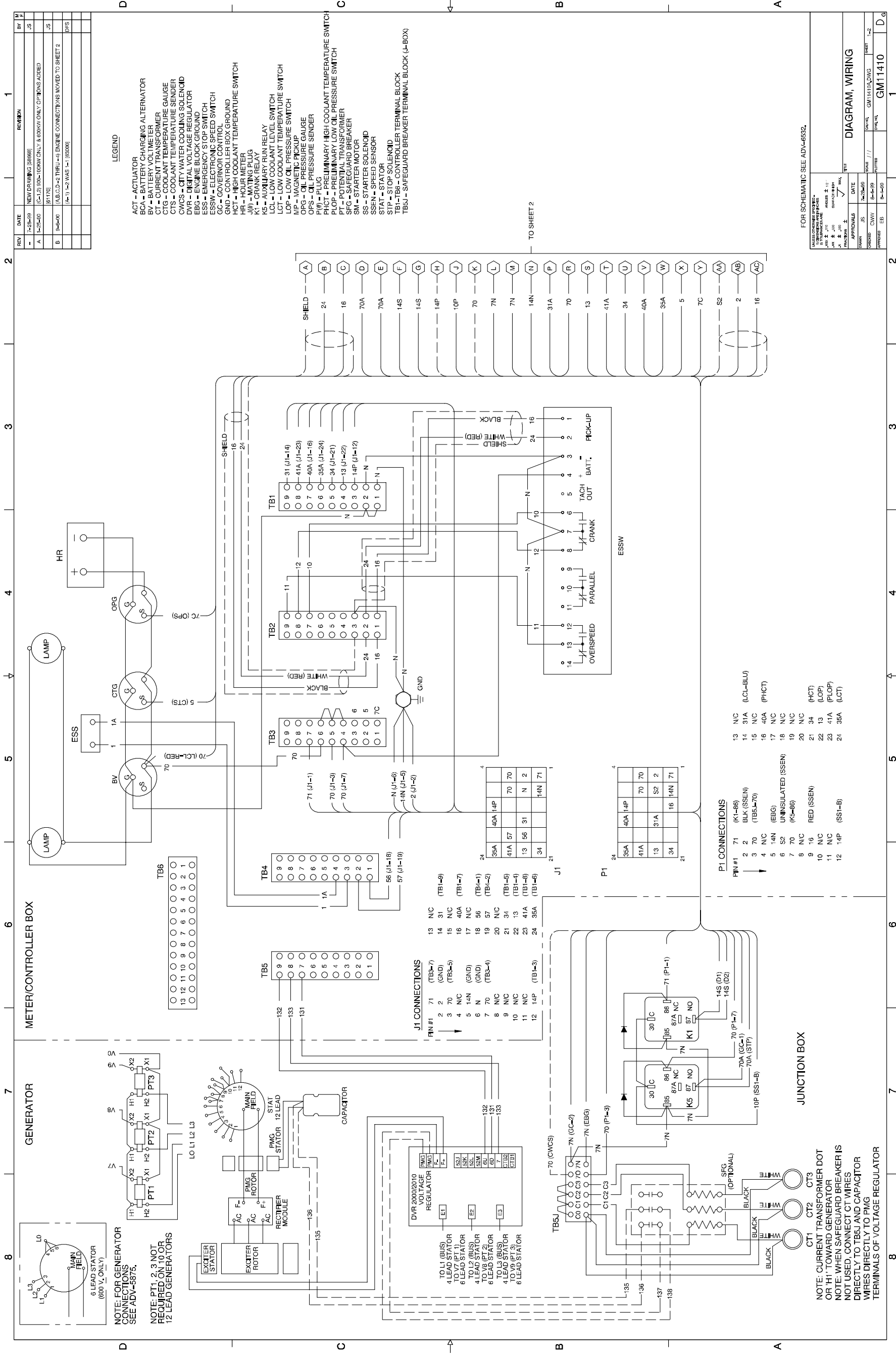
REV	DATE	REVISION	BY
-	7-14-89	NEW DRAWING (58666)	JS
A	1-25-90	(E-1) 600-1000KW ONLY & 600KW ONLY OPTIONS ADDED (E1170)	JS
B	6-26-90	COMPLETELY REWROTE (6064)	JS
C	9-24-90	(C-1) (C-2) (C-3) (C-4) L & R TERMINALS REVERSED (2 PLACES) (6000)	JS
			JS

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

DESIGNED BY	DATE	APPROVALS	DATE
DRWING	SCALE	REVISED	REVISION
CHECKED	CWV	DATE	BY
APPROVED	EB	7-25-90	JS

TITLE: 600-1000 KW MITSUBISHI
 DRAWING: GM11409B.DWG
 SHEET: 3-2
 SHEETS: 3-1, 3-2, 3-3, 3-4, 3-5, 3-6, 3-7, 3-8, 3-9, 3-10, 3-11, 3-12, 3-13, 3-14, 3-15, 3-16, 3-17, 3-18, 3-19, 3-20, 3-21, 3-22, 3-23, 3-24, 3-25, 3-26, 3-27, 3-28, 3-29, 3-30, 3-31, 3-32, 3-33, 3-34, 3-35, 3-36, 3-37, 3-38, 3-39, 3-40, 3-41, 3-42, 3-43, 3-44, 3-45, 3-46, 3-47, 3-48, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-58, 3-59, 3-60, 3-61, 3-62, 3-63, 3-64, 3-65, 3-66, 3-67, 3-68, 3-69, 3-70, 3-71, 3-72, 3-73, 3-74, 3-75, 3-76, 3-77, 3-78, 3-79, 3-80, 3-81, 3-82, 3-83, 3-84, 3-85, 3-86, 3-87, 3-88, 3-89, 3-90, 3-91, 3-92, 3-93, 3-94, 3-95, 3-96, 3-97, 3-98, 3-99, 3-100, 3-101, 3-102, 3-103, 3-104, 3-105, 3-106, 3-107, 3-108, 3-109, 3-110, 3-111, 3-112, 3-113, 3-114, 3-115, 3-116, 3-117, 3-118, 3-119, 3-120, 3-121, 3-122, 3-123, 3-124, 3-125, 3-126, 3-127, 3-128, 3-129, 3-130, 3-131, 3-132, 3-133, 3-134, 3-135, 3-136, 3-137, 3-138, 3-139, 3-140, 3-141, 3-142, 3-143, 3-144, 3-145, 3-146, 3-147, 3-148, 3-149, 3-150, 3-151, 3-152, 3-153, 3-154, 3-155, 3-156, 3-157, 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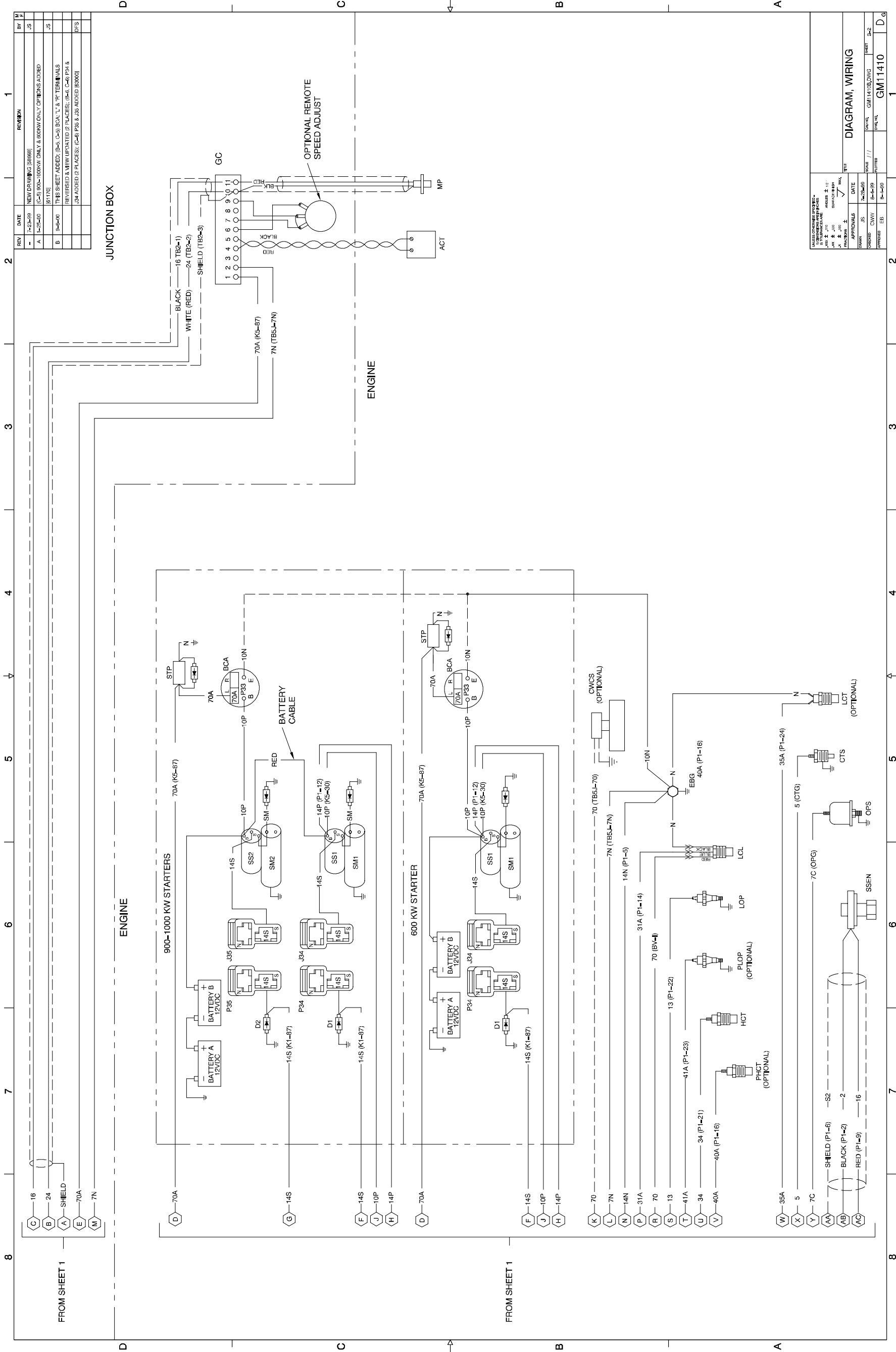
Decision-Maker™ 340 Controller, Point-to-Point Wiring Diagram, Sheet 2, GM11409B-C



- LEGEND**
- ACT - ACTUATOR
 - ACA - BATTERY CHARGING ALTERNATOR
 - BV - BATTERY VOLT METER
 - CT - CURRENT TRANSFORMER
 - CTG - COOLANT TEMPERATURE GAUGE
 - CTS - COOLANT TEMPERATURE SENDER
 - CWCS - CITY WATER COOLING SOLENOID
 - DVR - DIGITAL VOLTAGE REGULATOR
 - EBG - ENGINE BLOCK GROUND
 - ESS - EMERGENCY STOP SWITCH
 - ESSW - ELECTRONIC SPEED SWITCH
 - GC - GOVERNOR CONTROL
 - HCT - HIGH COOLANT TEMPERATURE SENDER
 - HCT - HIGH COOLANT TEMPERATURE SWITCH
 - HR - HOUR METER
 - J/P - JUMPING PLUG
 - K5 - AUXILIARY RUN RELAY
 - LCL - LOW COOLANT LEVEL SWITCH
 - LCT - LOW COOLANT TEMPERATURE SWITCH
 - LOP - LOW OIL PRESSURE SWITCH
 - MP - MAGNETIC PICKUP
 - OPS - OIL PRESSURE SENDER
 - P/P - PLUG
 - P/ICT - PRELIMINARY HIGH COOLANT TEMPERATURE SWITCH
 - P/LOP - PRELIMINARY LOW OIL PRESSURE SWITCH
 - PT - POTENTIAL TRANSFORMER
 - SFG - SAFEGUARD BREAKER
 - SM - STARTER MOTOR
 - SS - STARTER SOLENOID
 - SSEN - SPEED SENSOR
 - STAT - STATOR
 - SIP - STOP SOLENOID
 - TB1-TB5 - CONTROLLER TERMINAL BLOCK (-BOX)
 - TB5J - SAFEGUARD BREAKER TERMINAL BLOCK (-BOX)

FOR SCHEMATIC SEE ADV-6552.

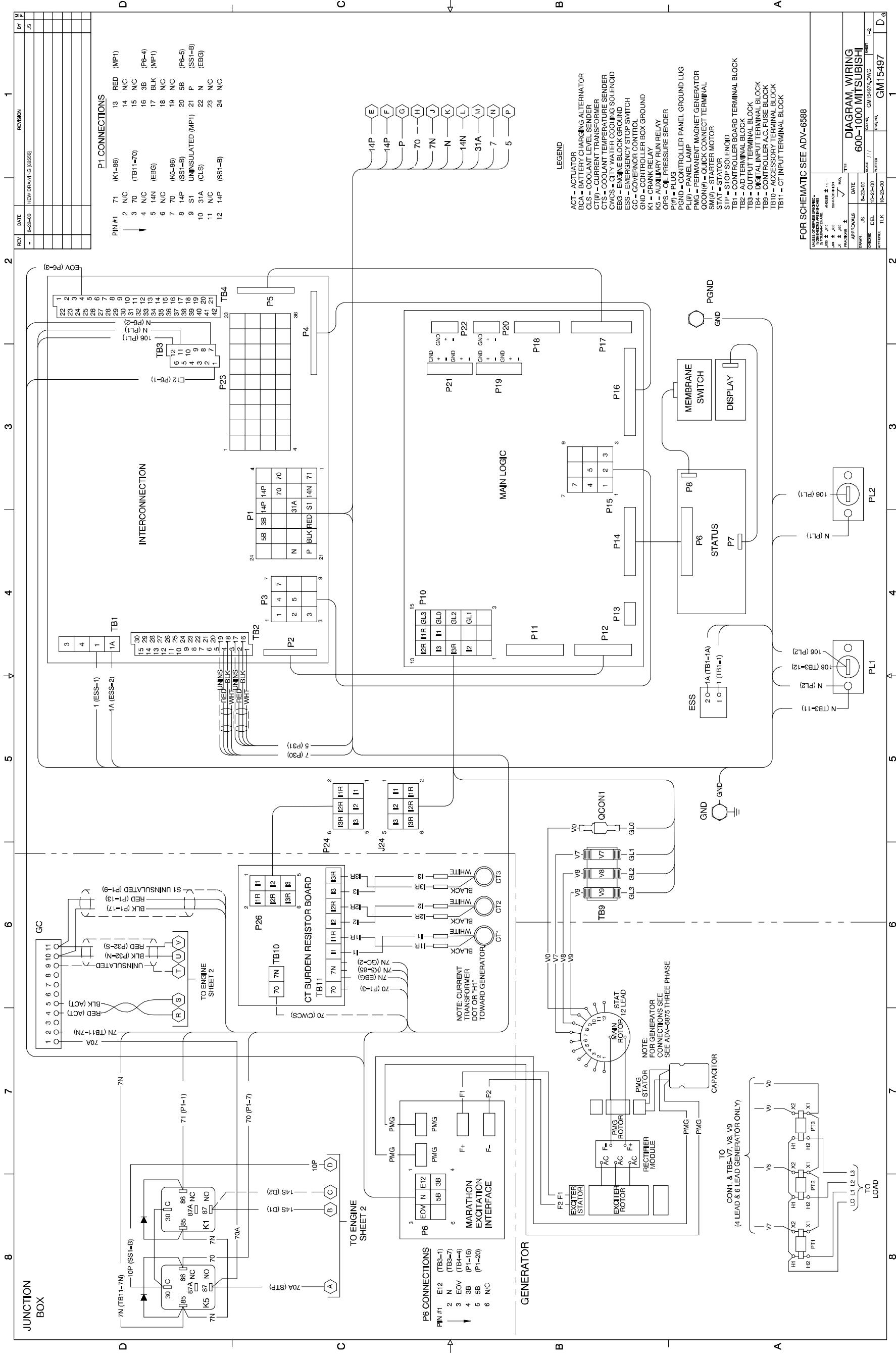
DATE	10/14/03
BY	GM11410A
REV	1
DESCRIPTION	DIAGRAM, WIRING



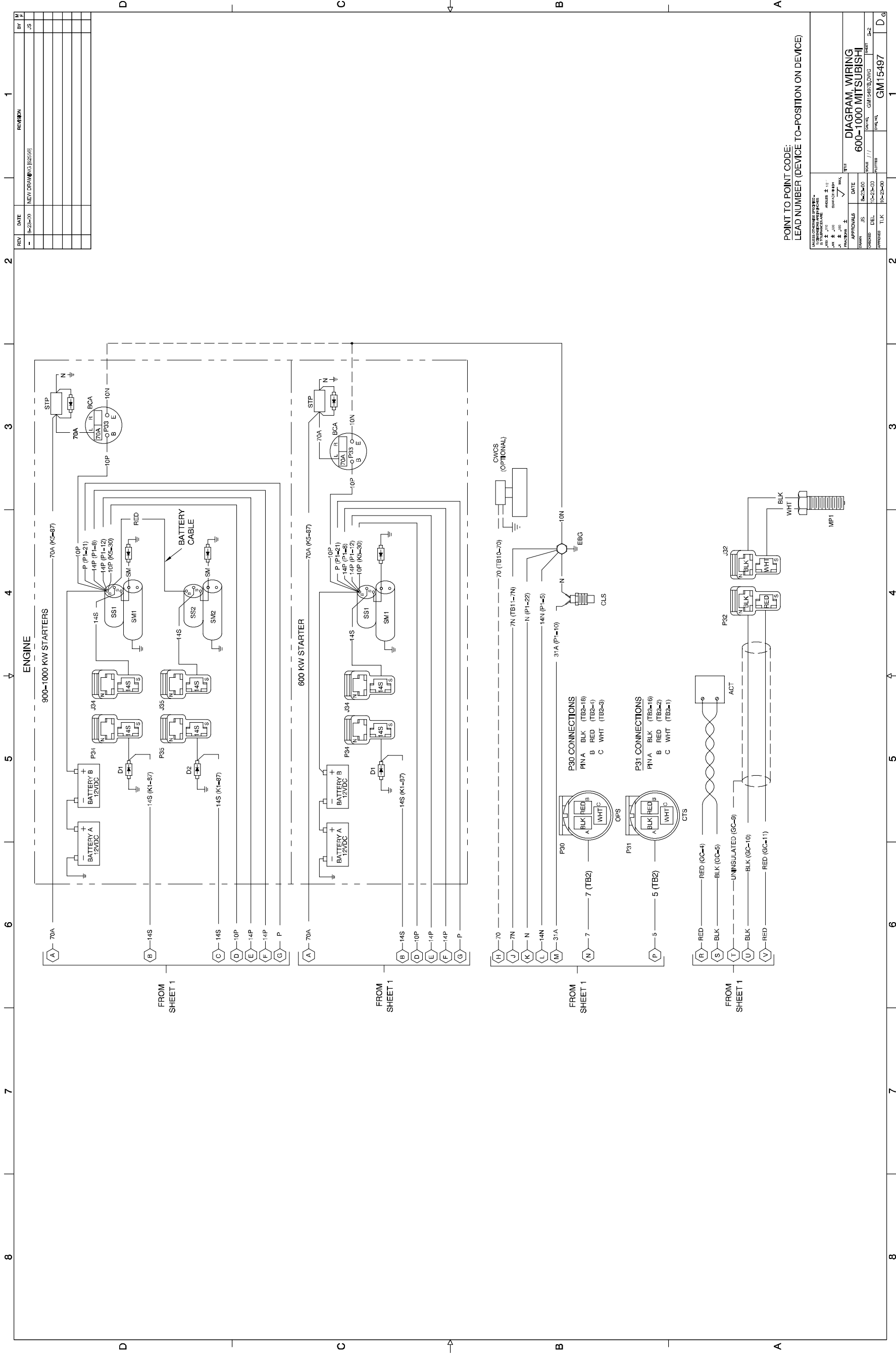
REV	DATE	REVISION	BY	CHK
-	7-23-88	NEW DRAWING (88888)	JS	JS
A	1-25-90	(C-5) 800-1000KW ONLY & 600KW ONLY OPTIONS ADDED (6110)	JS	JS
B	3-24-90	THIS SHEET ADDED: (B-4, C-5) BCA, "L" & "R" TERMINALS REVERSED & NEW UPDATED 2 PLACES: (C-4), (C-6) P24 & J34 ADDED 2 PLACES; (C-6) P35 & JS ADDED (5000)	JS	JS

APPROVALS		DATE	SCALE	SHEET
DESIGNED	CVW	7-23-88	1/1	3-2
DRAWN	JS			
CHECKED	EB			
APPROVED	EB			

Engine Gauge Box for Paralleling Switchgear, Point-to-Point Wiring Diagram, Sheet 2, GM11410B-B



Decision-Maker™ 550 Controller, Point-to-Point Wiring Diagram, Sheet 1, GM15497A



REV	DATE	REVISION	BY
-	8-23-00	NEW DRAWING (82459)	JS

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

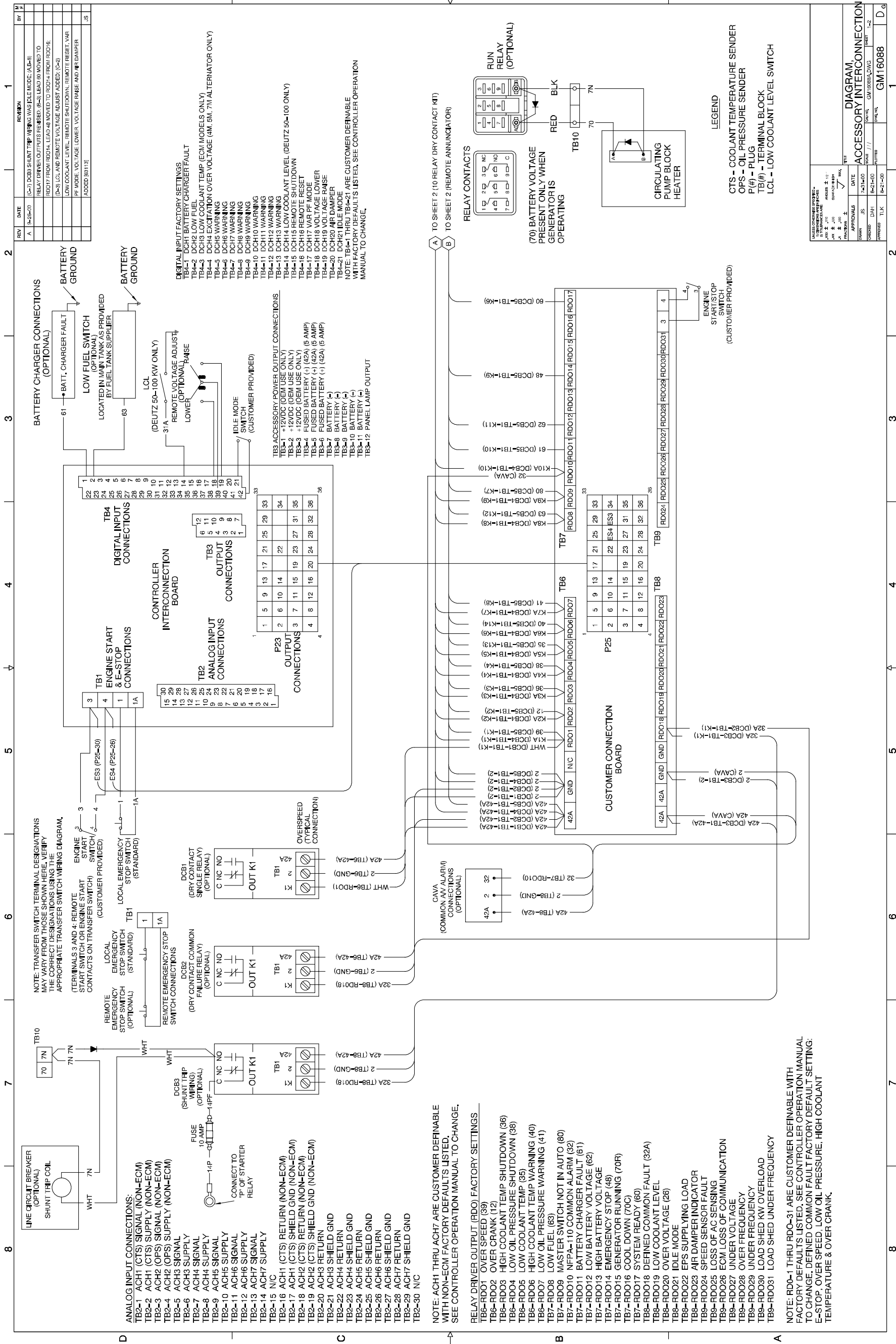
NO.	DATE	BY	CHKD.	APP'D.	DATE	NO.	DATE	BY	CHKD.	APP'D.	DATE
DESIGNED	DEL	12-22-00									
DRAWN	TJK	10-25-00									

DIAGRAM, WIRING
600-1000 MITSUBISHI

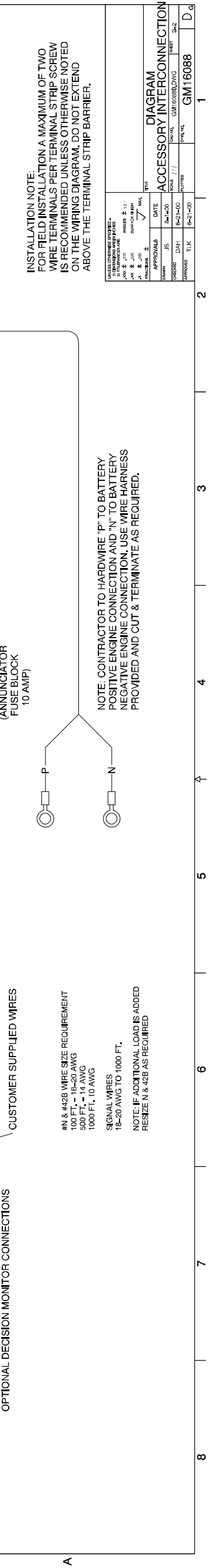
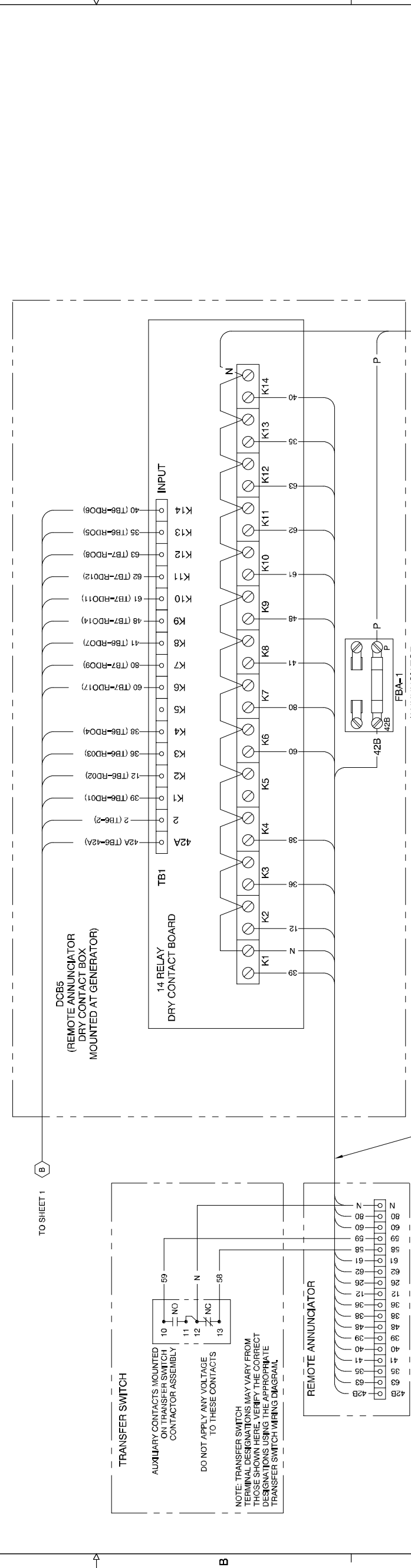
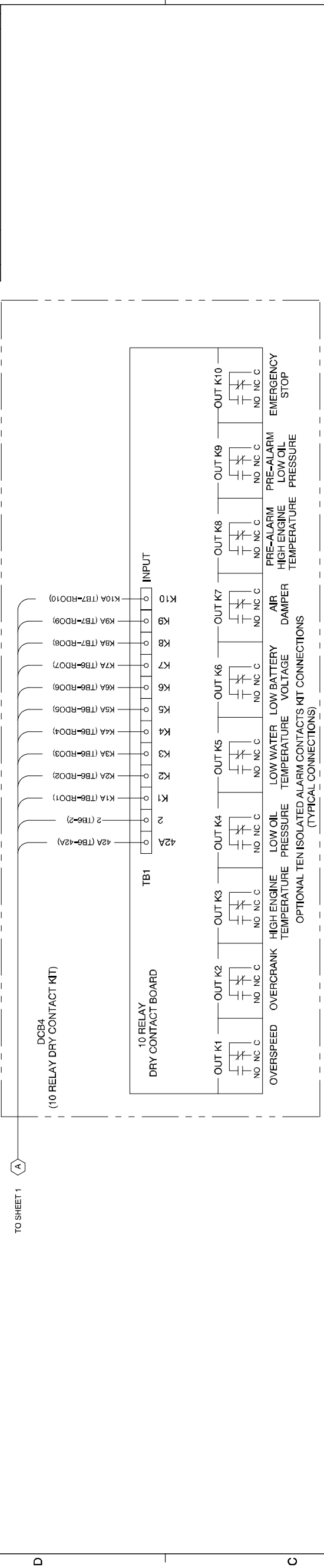
DATE: 10/25/00
DRAWN: GM15497B.DWG
SHEET: 3-2

NO. 15497

Decision-Maker™ 550 Controller, Accessory Connections, Sheet 1, GM16088A-A



REV	DATE	REVISION	BY
A	8-1-00	NEW DRAWING (62616)	JS
B	8-28-00	(C-1) (T6-RD017) WAS (T6-RD014); (B) (T7- RD014) WAS (T7-RD016) (B3113)	JS



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.

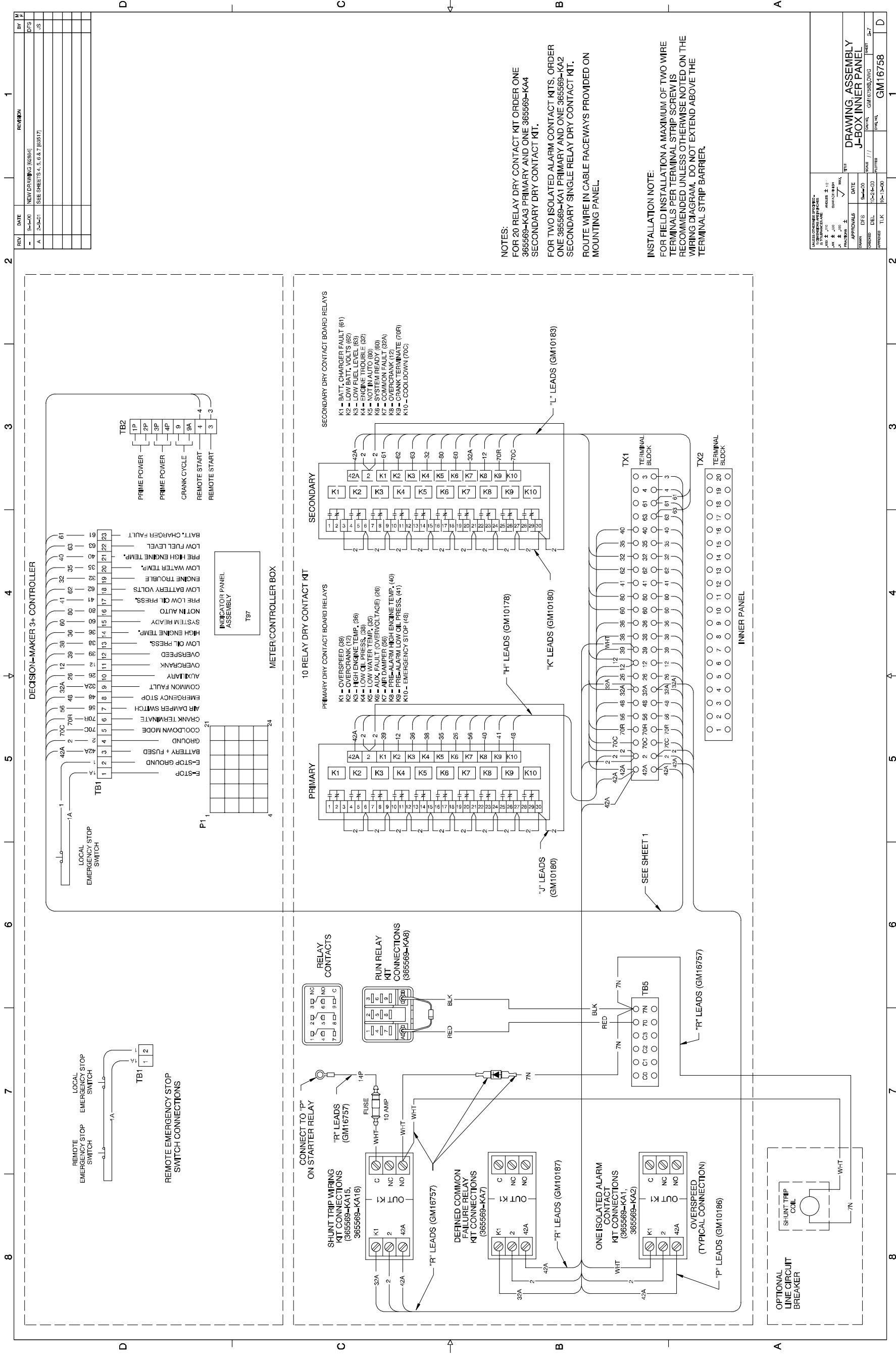
APPROVALS	DATE	REVISION	BY
DESIGNED BY: JS	8-1-00		JS
CHECKED BY: DHT	8-2-00		JS
APPROVED BY: TLK	8-2-00		JS

DIAGRAM ACCESSORY INTERCONNECTION	
PROJECT: TP-6058	SHEET: 3-2
DRAWING: GM16088B.DWG	SHEET: 3-2
REV: 1	DATE: 8/1/00
REV: 2	DATE: 8/2/00
REV: 3	DATE: 8/2/00

#N & #42B WIRE SIZE REQUIREMENT
100 FT. - 18-20 AWG
500 FT. - 14 AWG
1000 FT. - 10 AWG

SIGNAL WIRES
18-20 AWG TO 1000 FT.
NOTE: IF ADDITIONAL LOAD IS ADDED RESIZE N & 42B AS REQUIRED

Decision-Maker™ 550 Controller, Accessory Connections, Sheet 2, GM16088B-A

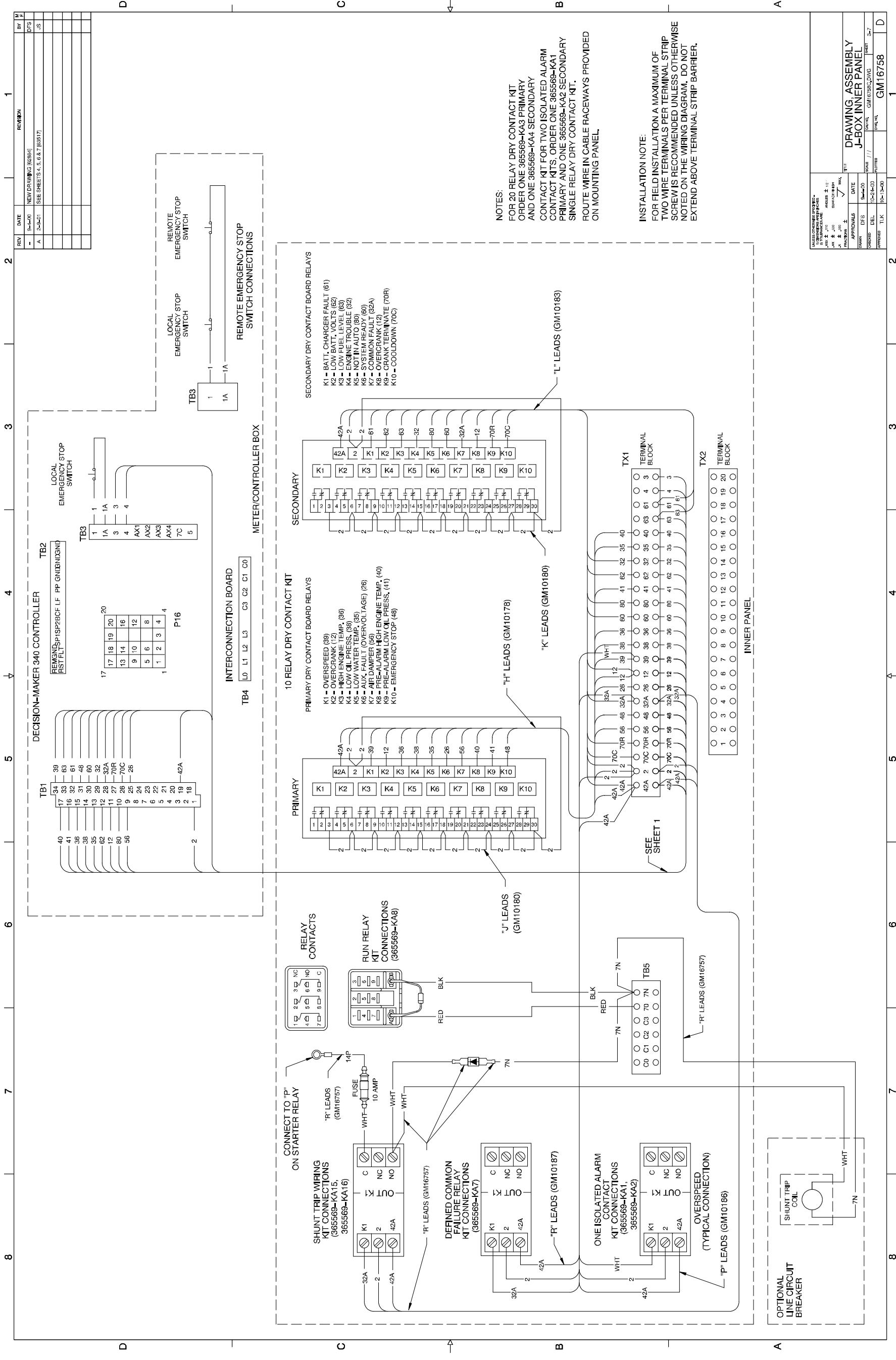


NOTES:
 FOR 20 RELAY DRY CONTACT KIT ORDER ONE 365569-KA3 PRIMARY AND ONE 365569-KA4 SECONDARY DRY CONTACT KIT.
 FOR TWO ISOLATED ALARM CONTACT KITS, ORDER ONE 365569-KA1 PRIMARY AND ONE 365569-KA2 SECONDARY SINGLE RELAY DRY CONTACT KIT.
 ROUTE WIRE IN CABLE RACEWAYS PROVIDED ON MOUNTING PANEL.

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

REV	DATE	DESCRIPTION	BY	CHK
1	3-2-00	NEW DRAWING (86884)	DFP	
2	2-2-01	SEE SHEETS 4, 5, 6 & 7 (86917)	JS	

TITLE DRAWING ASSEMBLY J-BOX INNER PANEL	DATE 12-2-00	SCALE 1:1	SHEET 3-7
APPROVALS DESIGNED BY T.L.K.	CHECKED BY T.L.K.	DRAWN BY T.L.K.	PART NO. GM16758



REV	DATE	DESCRIPTION	BY	APP
1	3-1-00	NEW DRAWING (365569)	DPS	
2	3-1-01	SEE SHEETS 4, 5, 6, 7, 8, 9, 10, 11, 12	DPS	

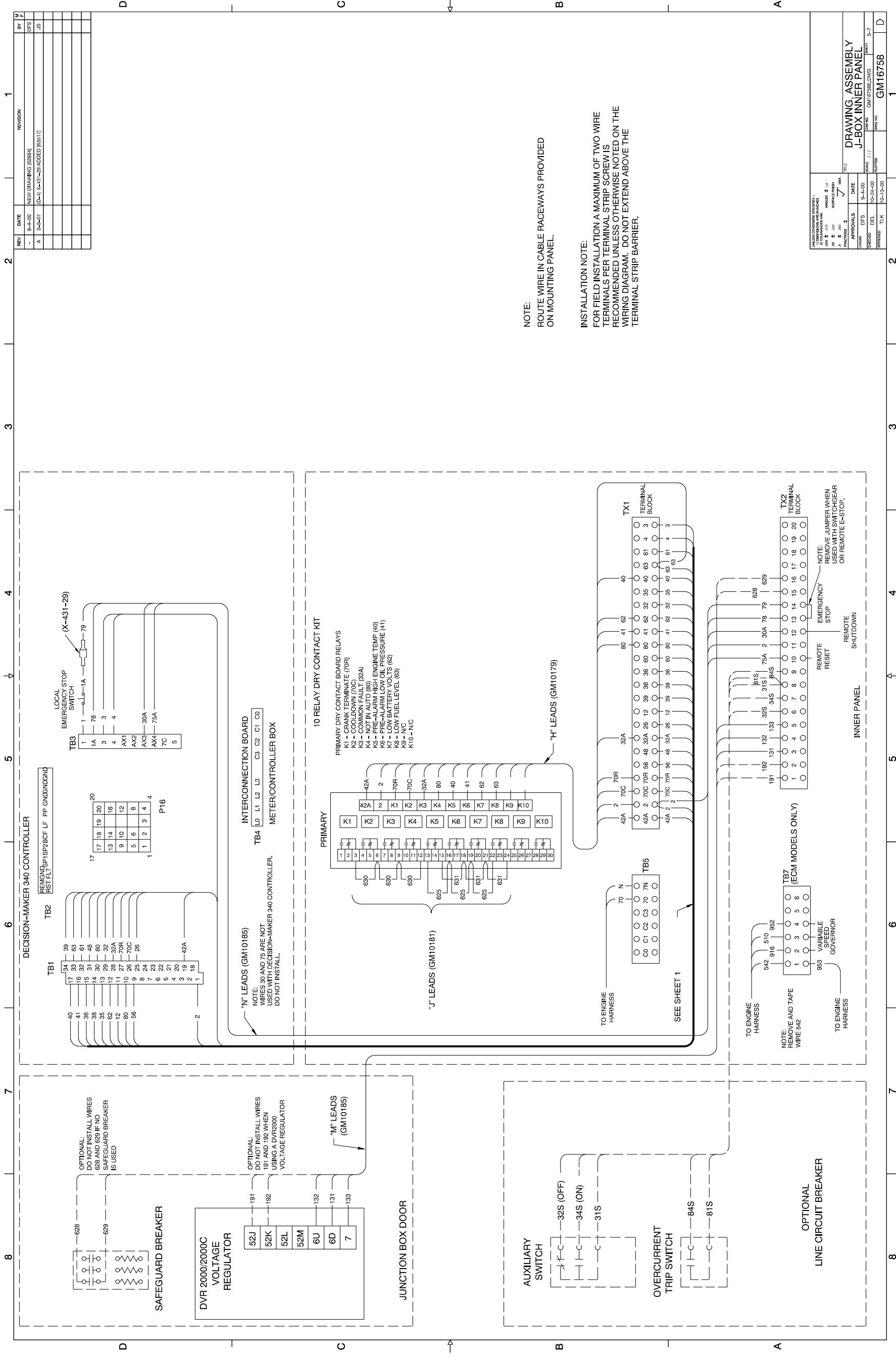
NOTES:
 FOR 20 RELAY DRY CONTACT KIT
 ORDER ONE 365569-KA3 PRIMARY
 AND ONE 365569-KA4 SECONDARY
 CONTACT KIT FOR TWO ISOLATED ALARM
 CONTACT KITS, ORDER ONE 365569-KA1
 PRIMARY AND ONE 365569-KA2 SECONDARY
 SINGLE RELAY DRY CONTACT KIT.
 ROUTE WIRE IN CABLE RACEWAYS PROVIDED
 ON MOUNTING PANEL.

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

APPROVALS	DATE	SCALE	SHEET
DESIGNED BY: [Signature]	3-1-00	1:1	3-7
CHECKED BY: [Signature]	3-1-00		
APPROVED BY: [Signature]	3-1-00		

DRAWING ASSEMBLY J-BOX INNER PANEL

GM16758

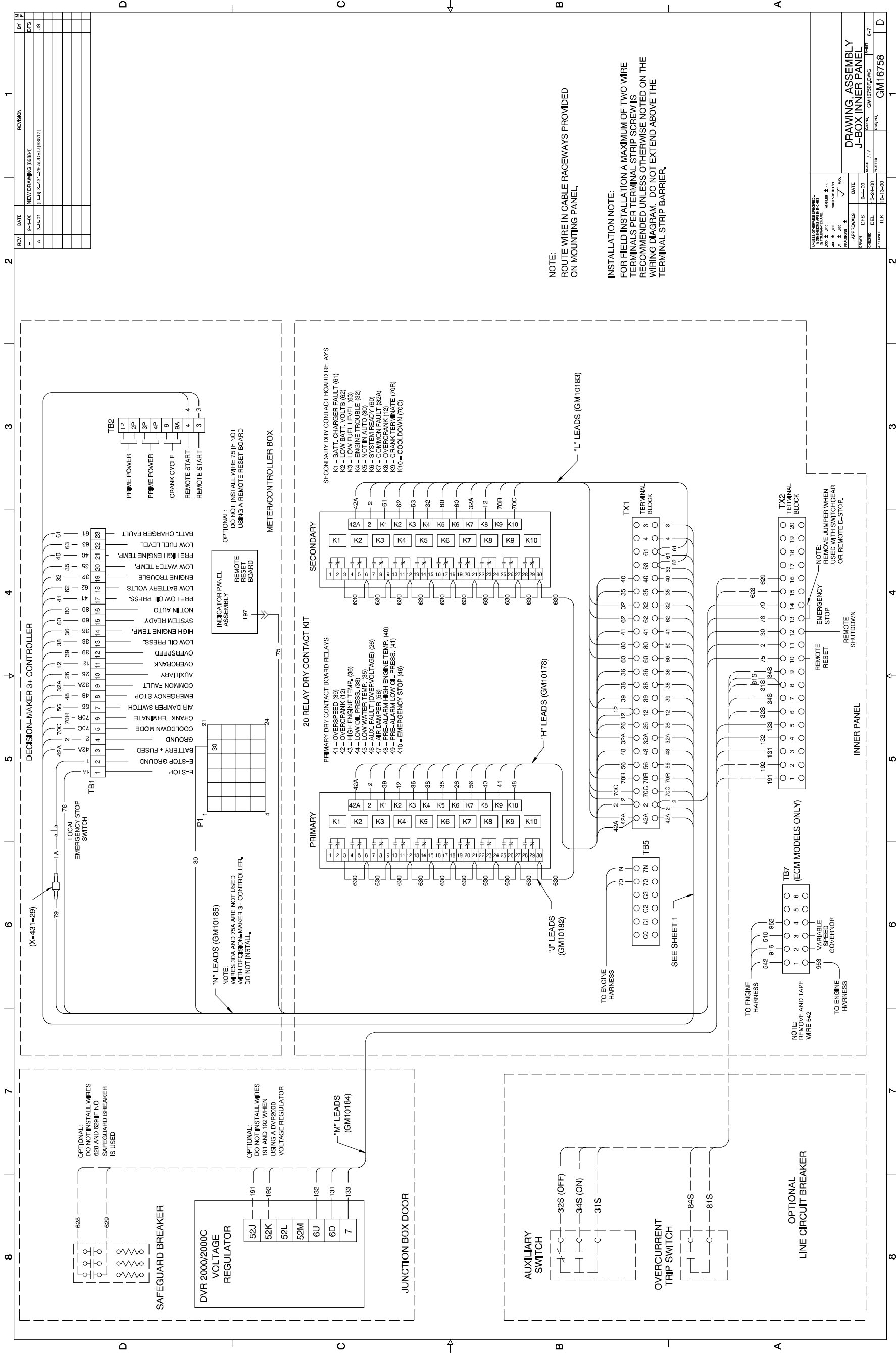


REV	DATE	REVISION	BY	APP
-	9-4-00	NEW DRAWING (82884)	DFS	
A	2-26-01	(D-1) X-431-29 ADDED (82817)	JS	

APPROVALS	DATE	TITLE
DESIGNED: DFS	9-4-00	DRAWING ASSEMBLY J-BOX INNER PANEL
CHECKED: DEL	10-26-00	
APPROVED: TJK	10-15-00	

NOTE:
ROUTE WIRE IN CABLE RACEWAYS PROVIDED
ON MOUNTING PANEL.

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.



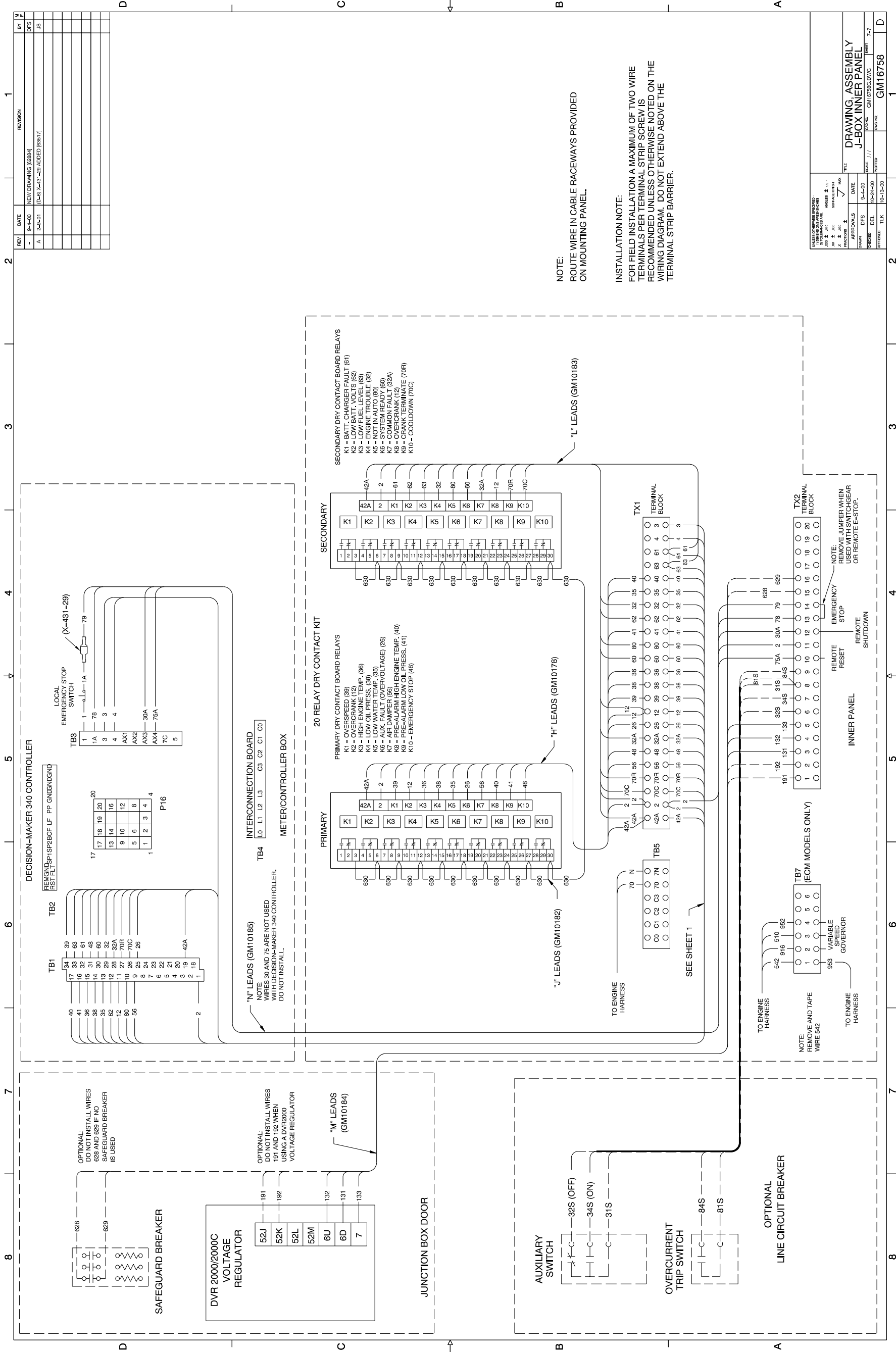
REV	DATE	DESCRIPTION	BY
1	2-2-00	NEW DRAWING (82884)	DPS
2	2-2-01	(1-6) X-431-29 ADDED (82817)	JS

APPROVALS	DATE	SCALE	SHEET
DESIGNER: TJK	10-13-00	1:1	6-7
DRAWN: GM16758F.DWG			

DRAWING ASSEMBLY J-BOX INNER PANEL

GM16758

Decision-Maker™ 3+ Controller, Accessory Connections, Sheet 6, GM16758F-A



REV	DATE	REVISION	BY
-	9-4-00	NEW DRAWING (82884)	DFS
A	2-6-01	(D-6) X-431-29 ADDED (83171)	JS

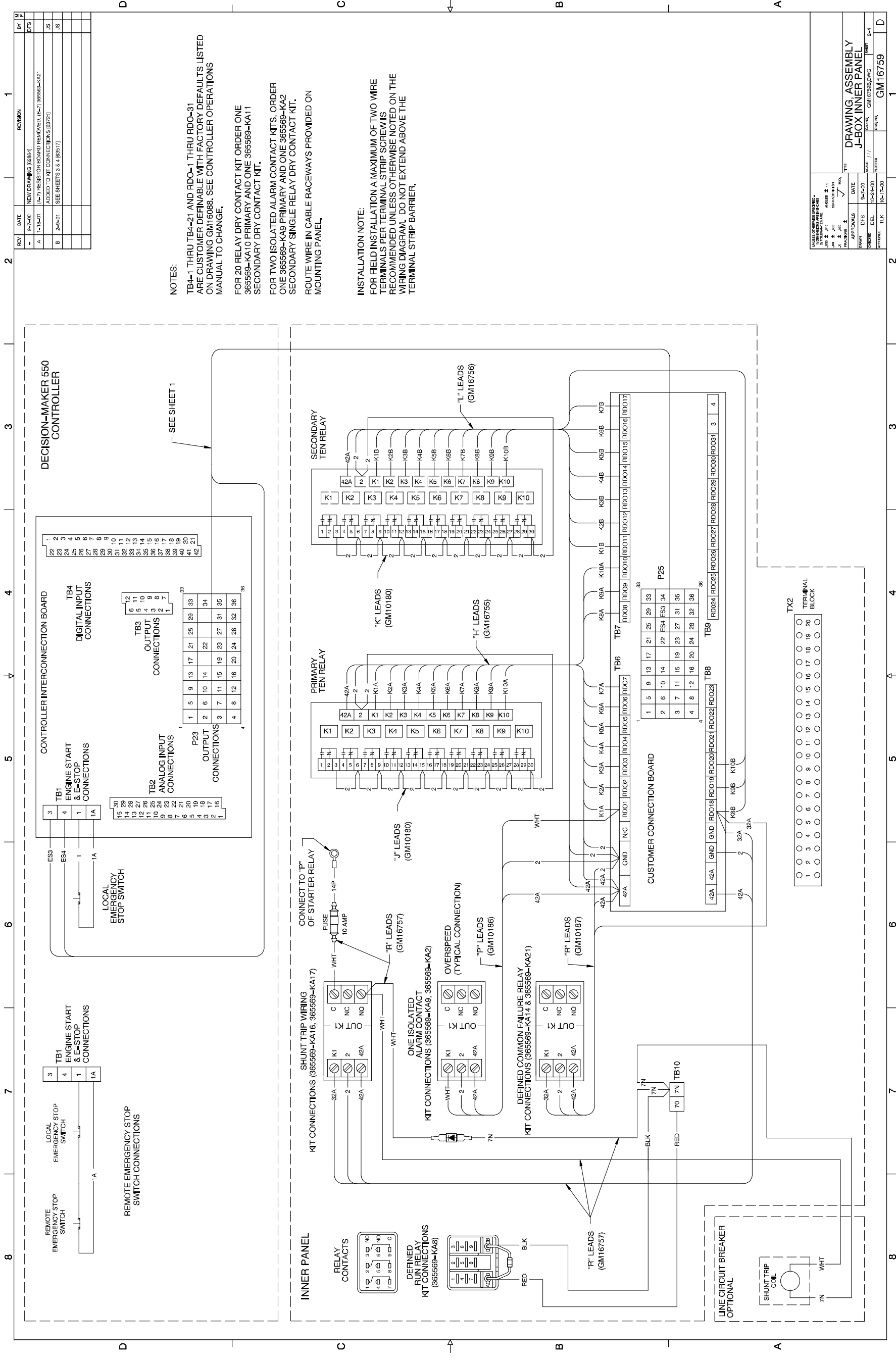
APPROVALS		DATE	MARK
DESIGNED	DFS	9-4-00	
CHECKED	DEL	10-26-00	
APPROVED	TLK	10-15-00	

TITLE	DATE	MARK
DRAWING - ASSEMBLY J-BOX INNER PANEL	9-4-00	

REV	DATE	REVISION	BY
1	10-15-00		

NOTE:
ROUTE WIRE IN CABLE RACEWAYS PROVIDED ON MOUNTING PANEL.

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.



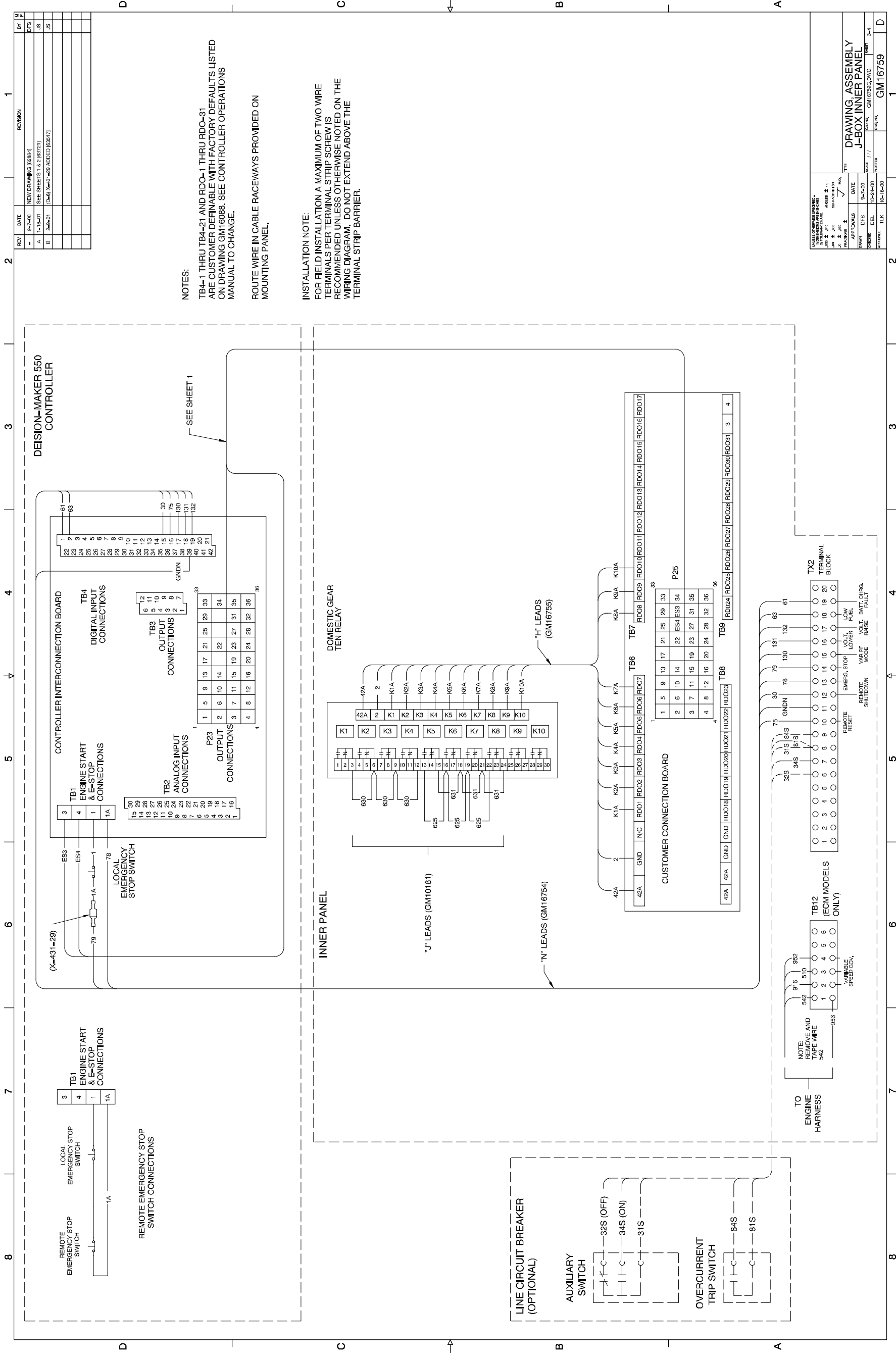
REV	DATE	DESCRIPTION	BY	APP
1	03-01-00	NEW DRAWING (82884)	DPS	
2	03-01-01	(4-7) RESISTOR BOARD REMOVED. (8-7) 365569-KA21 ADDED TO KIT CONNECTIONS (82921)	J.S.	
3	03-01-01	SEE SHEETS 8 & 1 (85717)	J.S.	

APPROVALS		DATE	SCALE	SHEET	TOTAL
DESIGNED	DPS	03-01-00	1/1	1	1
CHECKED	DEL	03-01-00			
APPROVED	T.L.K.	03-01-00			

DRAWING ASSEMBLY J-BOX INNER PANEL

GM16759B.DWG

GM16759



REV	DATE	DESCRIPTION	BY	CHK
-	3-7-00	NEW DRAWING (82884)	DFS	
A	10-01	SEE SHEETS 1 & 2 (82721)	JS	
B	2-26-01	(D-8) 3-431-29 ADDED (83171)	JS	

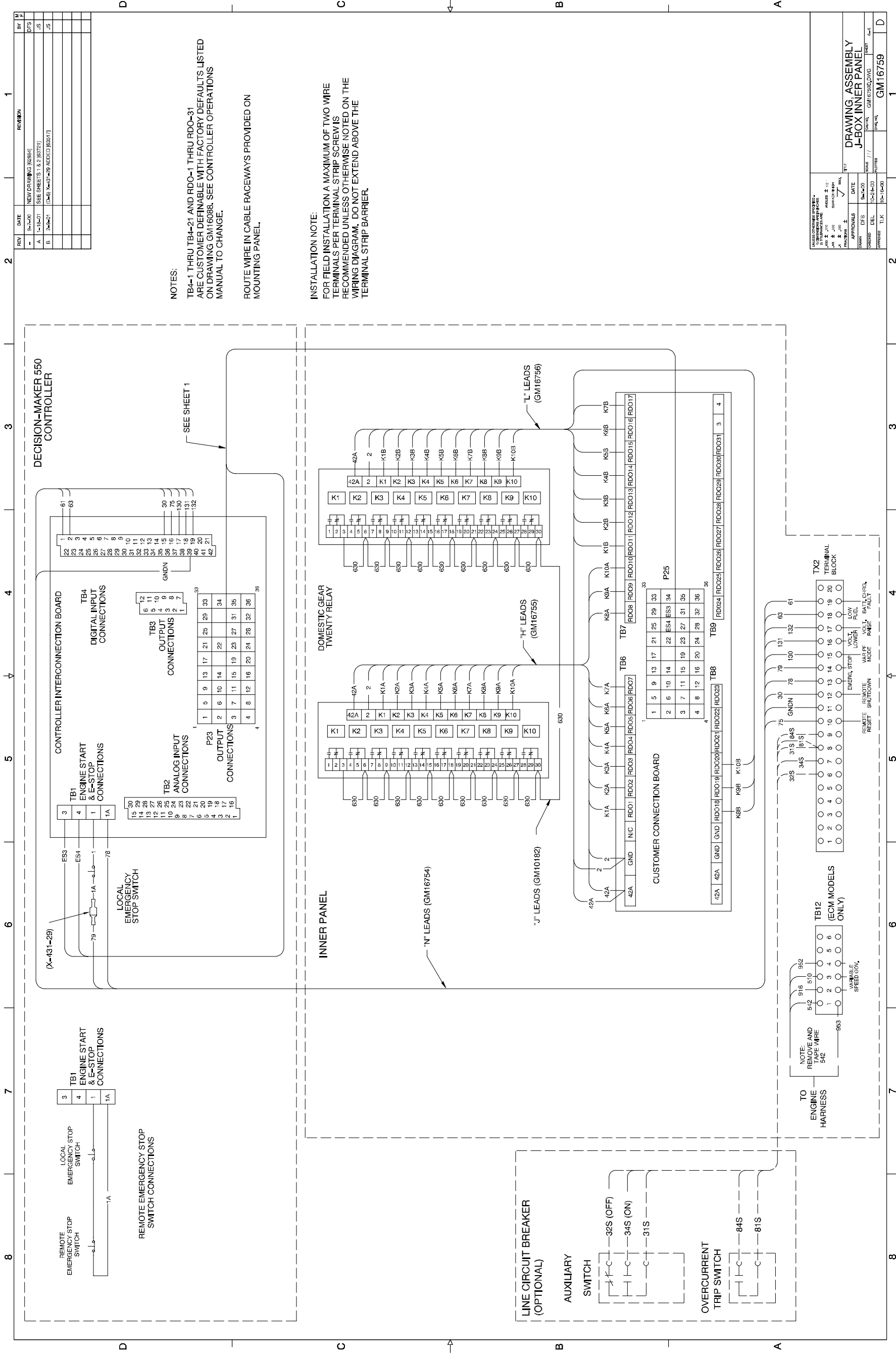
NOTES:
 TB4-1 THRU TB4-21 AND RDO-1 THRU RDO-31 ARE CUSTOMER DEFINABLE WITH FACTORY DEFAULTS LISTED ON DRAWING GM16088. SEE CONTROLLER OPERATIONS MANUAL TO CHANGE.
 ROUTE WIRE IN CABLE RACEWAYS PROVIDED ON MOUNTING PANEL.
INSTALLATION NOTE:
 FOR FIELD INSTALLATION A MAXIMUM OF TWO WIRE TERMINALS PER TERMINAL STRIP SCREW IS RECOMMENDED UNLESS OTHERWISE NOTED ON THE WIRING DIAGRAM. DO NOT EXTEND ABOVE THE TERMINAL STRIP BARRIER.

APPROVALS	DATE	DATE	DATE
DESIGNED	3-7-00	DESIGNED	3-7-00
CHECKED	10-01	CHECKED	10-01
APPROVED	10-01	APPROVED	10-01

DRAWING ASSEMBLY J-BOX INNER PANEL

DWG. NO.	GM16759C-DWG	SHEET	3-4
REV. NO.	1	REV. DATE	

Decision-Maker™ 550 Controller, Accessory Connections, Sheet 4, GM16759C-B



REV	DATE	DESCRIPTION	BY	APP
1	03-01-00	NEW DRAWING (86884)	DPS	
2	03-01-01	SEE SHEETS 1 & 2 (86721)	JS	
3	03-01-01	(0-8) 3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000	JS	

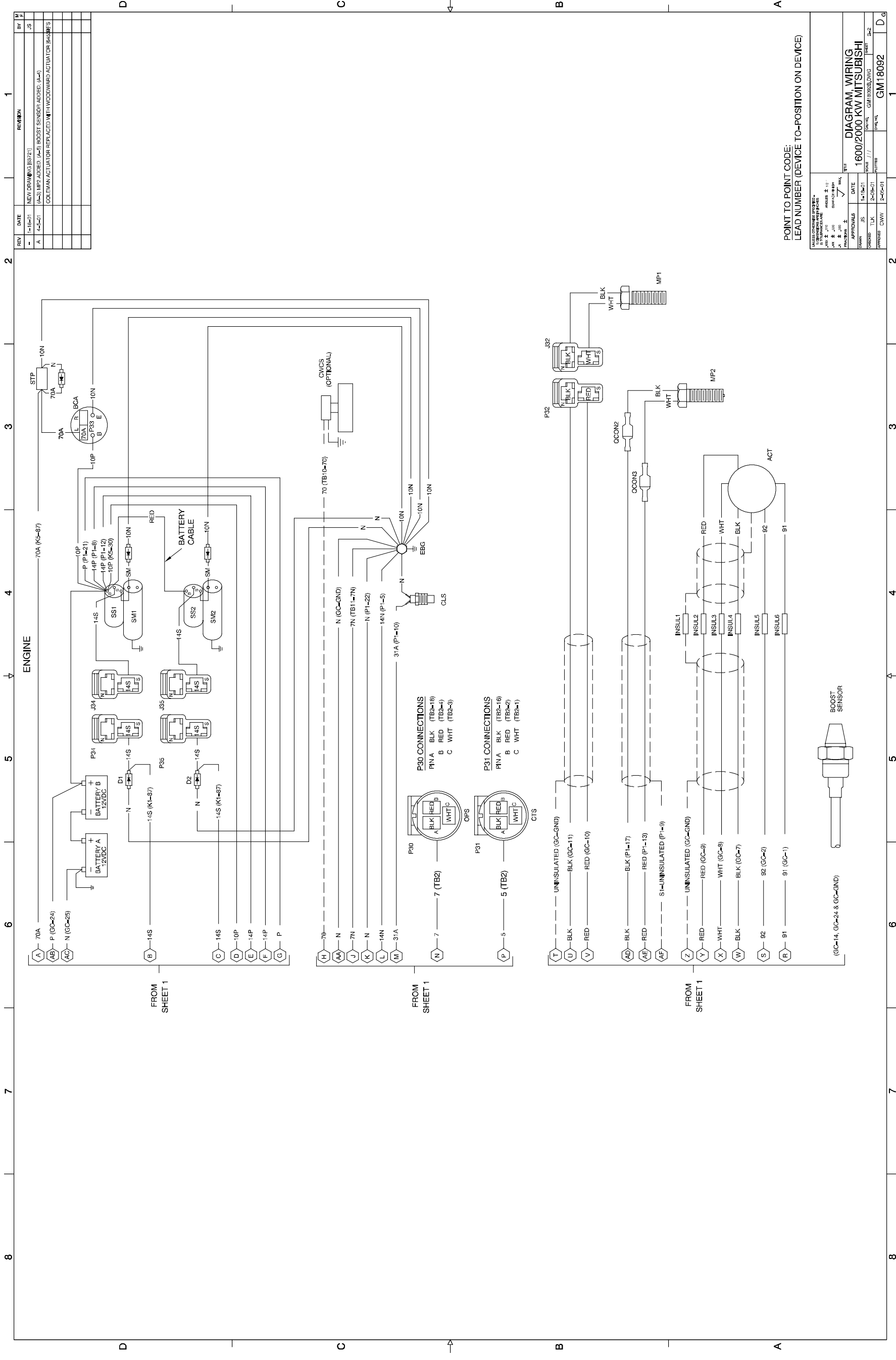
NOTES:
 TB4-1 THRU TB4-21 AND RDO-1 THRU RDO-31 ARE CUSTOMER DEFINABLE WITH FACTORY DEFAULTS LISTED ON DRAWING GM16088. SEE CONTROLLER OPERATIONS MANUAL TO CHANGE.
 ROUTE WIRE IN CABLE RACEWAYS PROVIDED ON MOUNTING PANEL.

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

APPROVALS	DATE	BY
DESIGN	03-01-00	DPS
CHECKED	03-01-00	DEL
APPROVED	03-01-00	TLK

DRAWING ASSEMBLY J-BOX INNER PANEL

GM16759



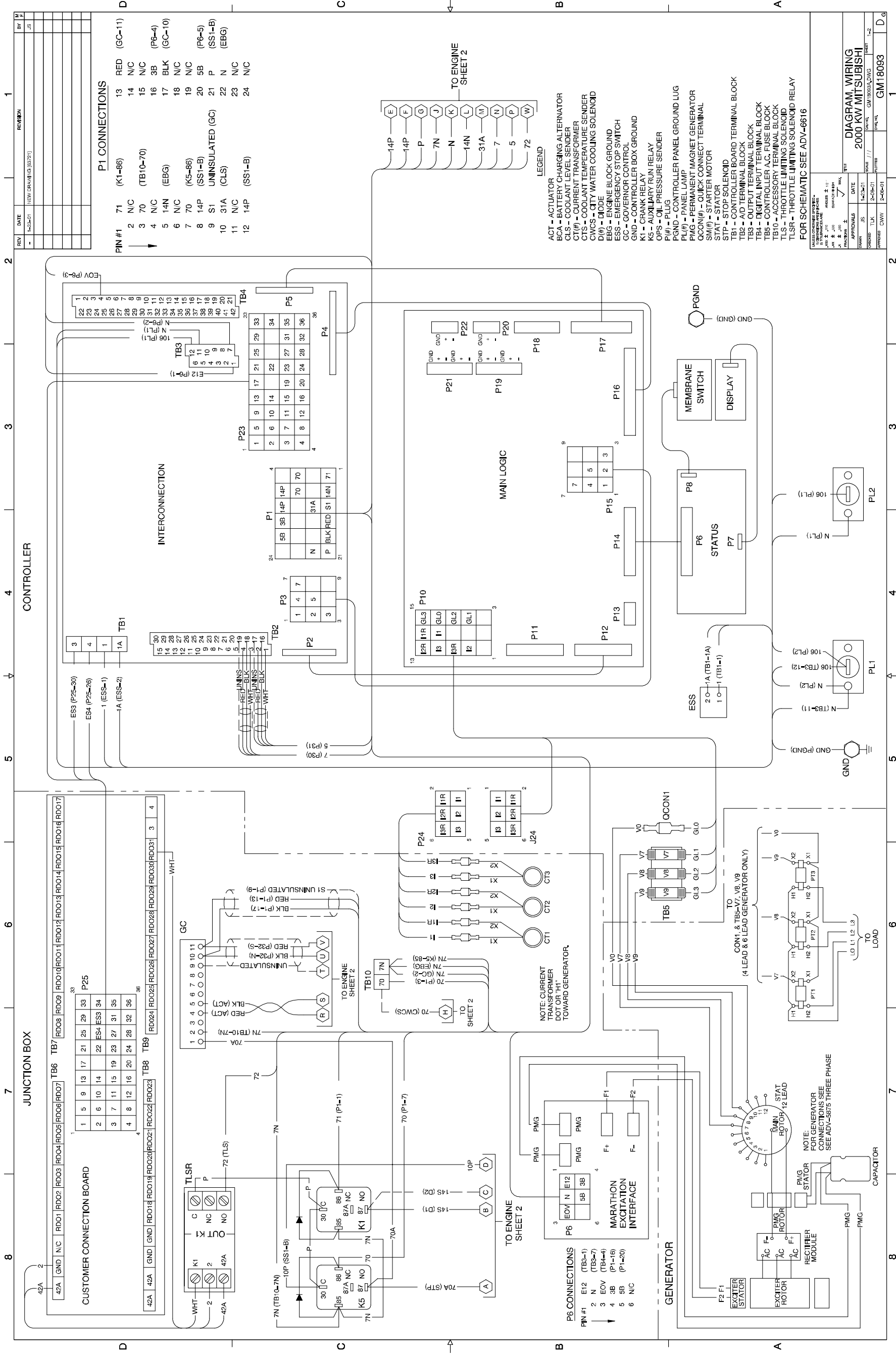
REV	DATE	REVISION	BY
1	1-16-01	NEW DRAWING (85721)	JS
2	4-5-01	(A-3) MP2 ADDED (A-4) BOOST SENSOR ADDED (A-4)	
3		COLEMAN ACTUATOR REPLACED WITH FORWARD ACTUATOR (84389'S)	

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

APPROVALS		DATE
DESIGNED	CHK	2-10-01
DRAWN	CHK	2-10-01
CHECKED	CHK	2-10-01
APPROVED	CHK	2-10-01

NO.	REV.	DATE	BY	CHK.
1	1	2-10-01	JS	JS

DIAGRAM WIRING	
1600/2000 KW MITSUBISHI	SHEET 3-2
GM 18092B.DWG	REV. 1
GM 18092	DWG. NO.



REV	DATE	DESCRIPTION	BY	APP
1	1-23-01	NEW DRAWING (85721)		

PIN #1	71	13	RED (GC-11)
2	N/C	14	N/C
3	70	15	N/C
4	N/C	16	3B (P6-4)
5	14N (EBG)	17	BLK (GC-10)
6	N/C	18	N/C
7	70	19	N/C
8	14P (SS1-B)	20	5B (P6-5)
9	S1 UNINSULATED (GC)	21	P (SS1-B)
10	31A (CLS)	22	N (EBG)
11	N/C	23	N/C
12	14P (SS1-B)	24	N/C

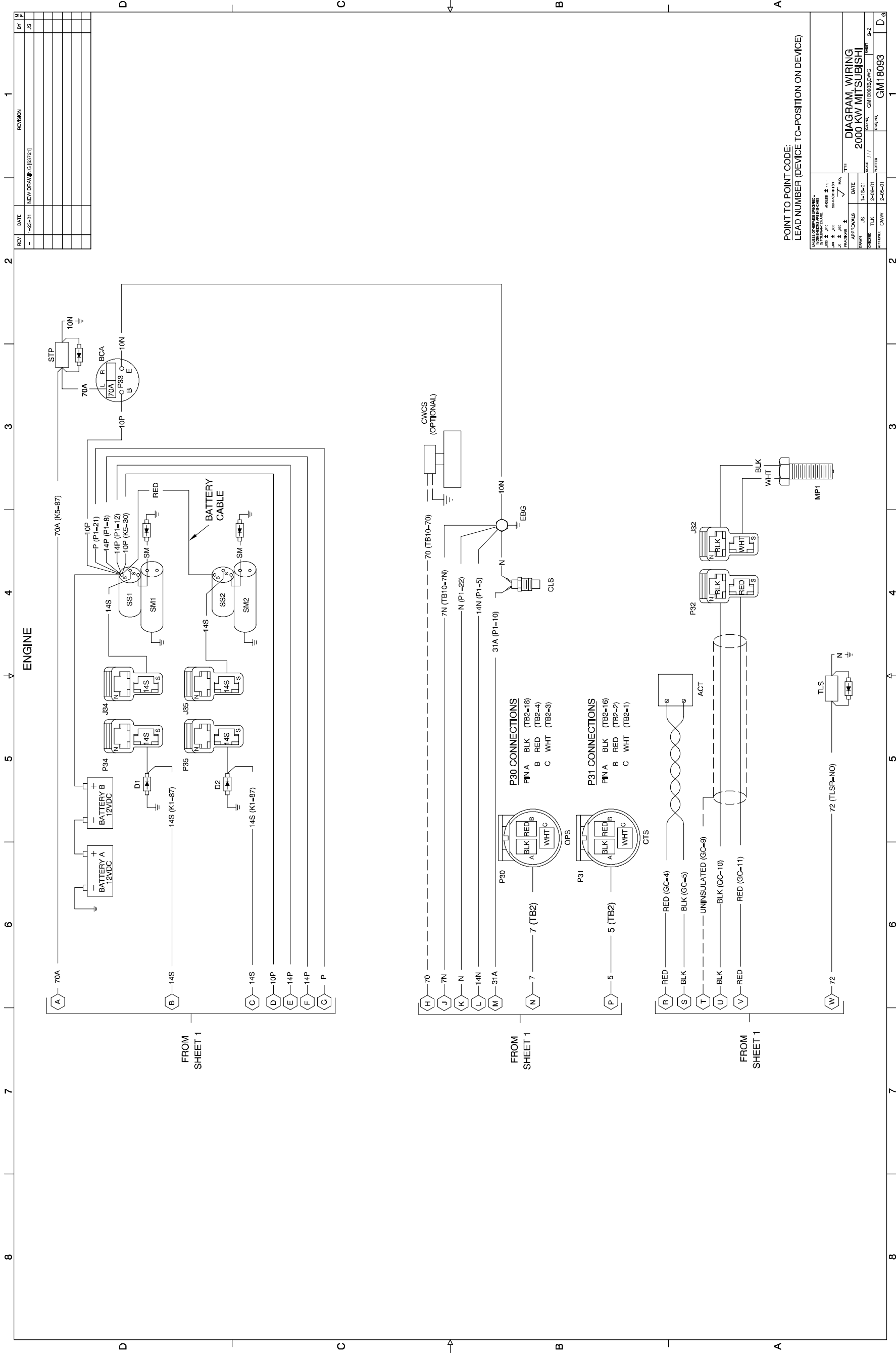
- LEGEND**
- ACT - ACTUATOR
 - BCA - BATTERY CHARGING ALTERNATOR
 - CLS - COOLANT LEVEL SENDER
 - CT(#)- COOLANT TEMPERATURE SENDER
 - CWS - COOLANT WATER COOLING SOLENOID
 - D(#)- DIODE
 - EBG - ENGINE BLOCK GROUND
 - ESS - EMERGENCY STOP SWITCH
 - GC - GOVERNOR CONTROL
 - GND - CONTROLLER BOX GROUND
 - K1 - CRANK RELAY
 - K5 - ADJ. PARKING RELAY
 - KPS - OIL PRESSURE SENDER
 - PLUG - PLUG
 - PCND - CONTROLLER PANEL GROUND LUG
 - PMG - PERMANENT MAGNET GENERATOR
 - OCN(#)- QUICK CONNECT TERMINAL
 - SM(#)- STARTER MOTOR
 - STAT - STOP SOLENOID
 - STP - STOP SOLENOID
 - TB1 - CONTROLLER BOARD TERMINAL BLOCK
 - TB2 - A/D TERMINAL BLOCK
 - TB3 - DIGITAL INPUT TERMINAL BLOCK
 - TB4 - OUTPUT TERMINAL BLOCK
 - TB5 - CONTROLLER A.C. FUSE BLOCK
 - TL5 - ACCESSORY TERMINAL BLOCK
 - TL5R - THROTTLE LIMITING SOLENOID RELAY
- FOR SCHEMATIC SEE ADV-6616

APPROVALS	DATE	DESCRIPTION
DESIGNED BY: [Signature]	1-23-01	NEW DRAWING (85721)
CHECKED BY: [Signature]	1-23-01	NEW DRAWING (85721)
APPROVED BY: [Signature]	1-23-01	NEW DRAWING (85721)

DIAGRAM, WIRING
2000 KW MITSUBISHI

GM18093A

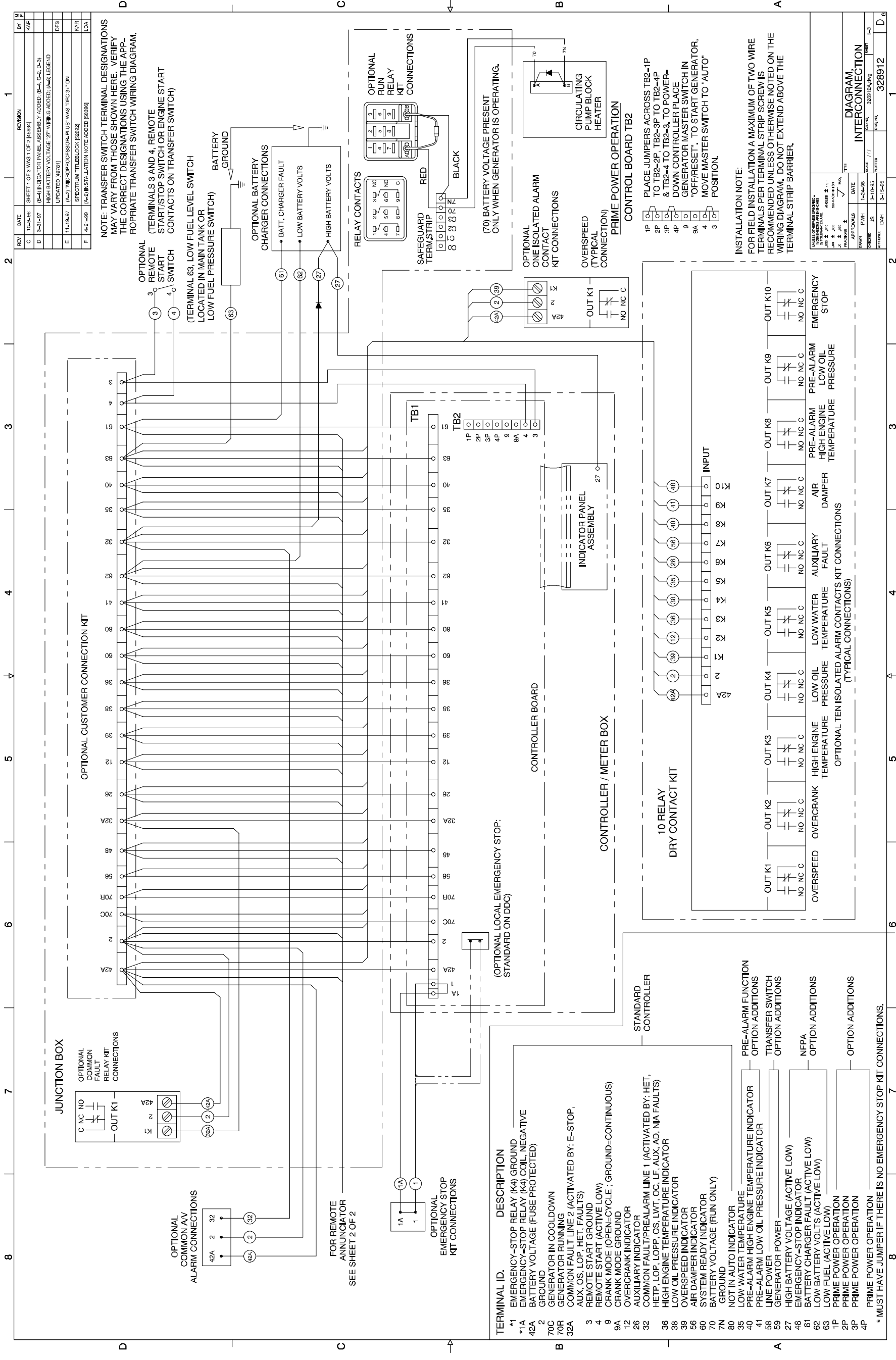
Decision-Maker™ 550 Controller, Point-to-Point Wiring Diagram, Sheet 1, GM18093A



REV	DATE	BY	REVISION
1	1-25-01	JS	NEW DRAWING (85721)

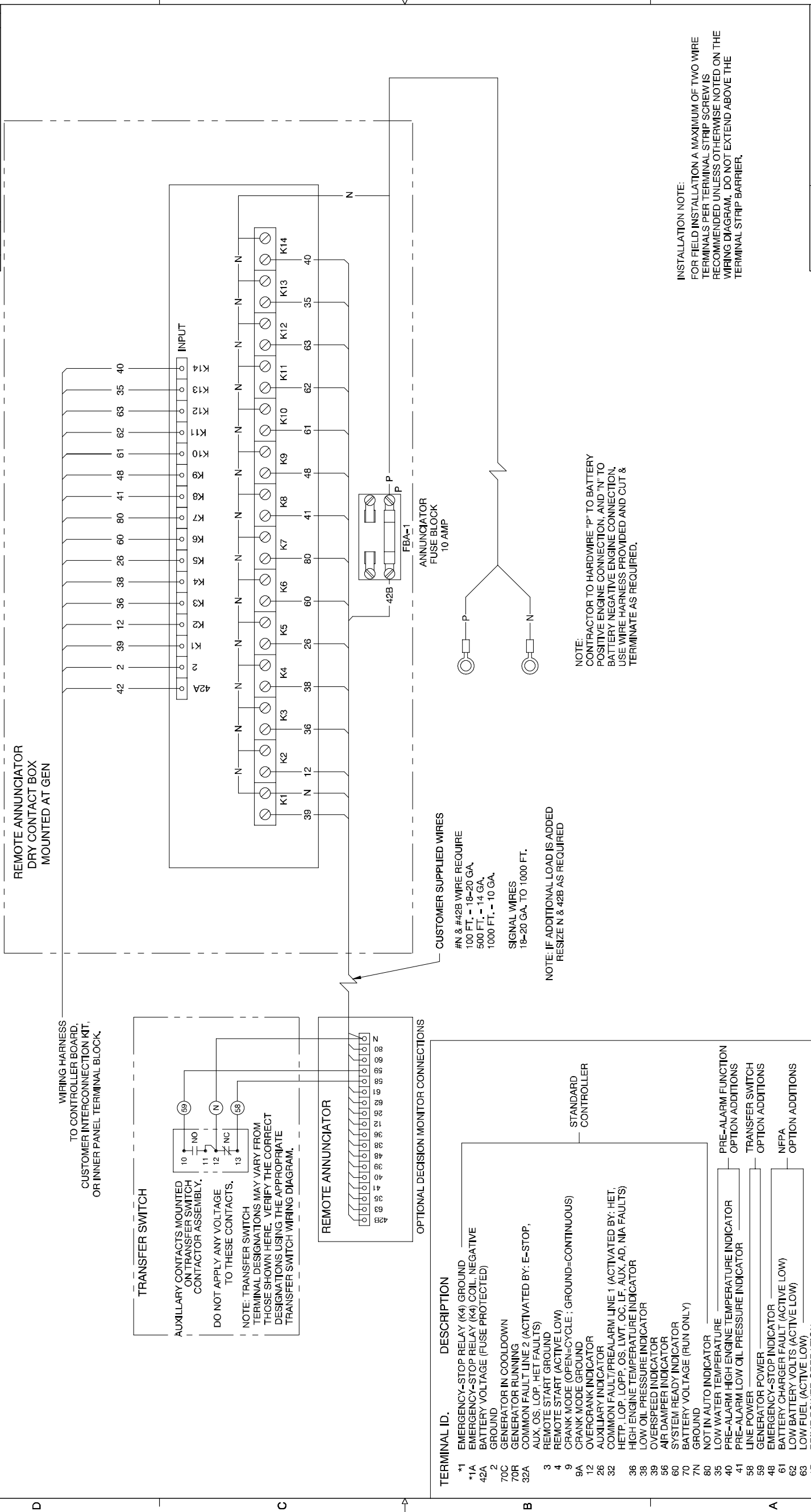
POINT TO POINT CODE: LEAD NUMBER (DEVICE TO-POSITION ON DEVICE)	
TITLE DIAGRAM, WIRING 2000 KW MITSUBISHI	SHEET 3-2
DRAWN TUK	CHECKED CWW
DATE 2-10-01	APPROVED CWW
SCALE 1:1	PARTIAL GM18093
DRAWING GM18093.DWG	SHEET 3-2
PARTIAL GM18093	DRAWING GM18093

Decision-Maker™ 550 Controller, Point-to-Point Wiring Diagram, Sheet 2, GM18093B



Decision-Maker™ 3+ Controller, Accessory Connections, Sheet 1, 328912A-F

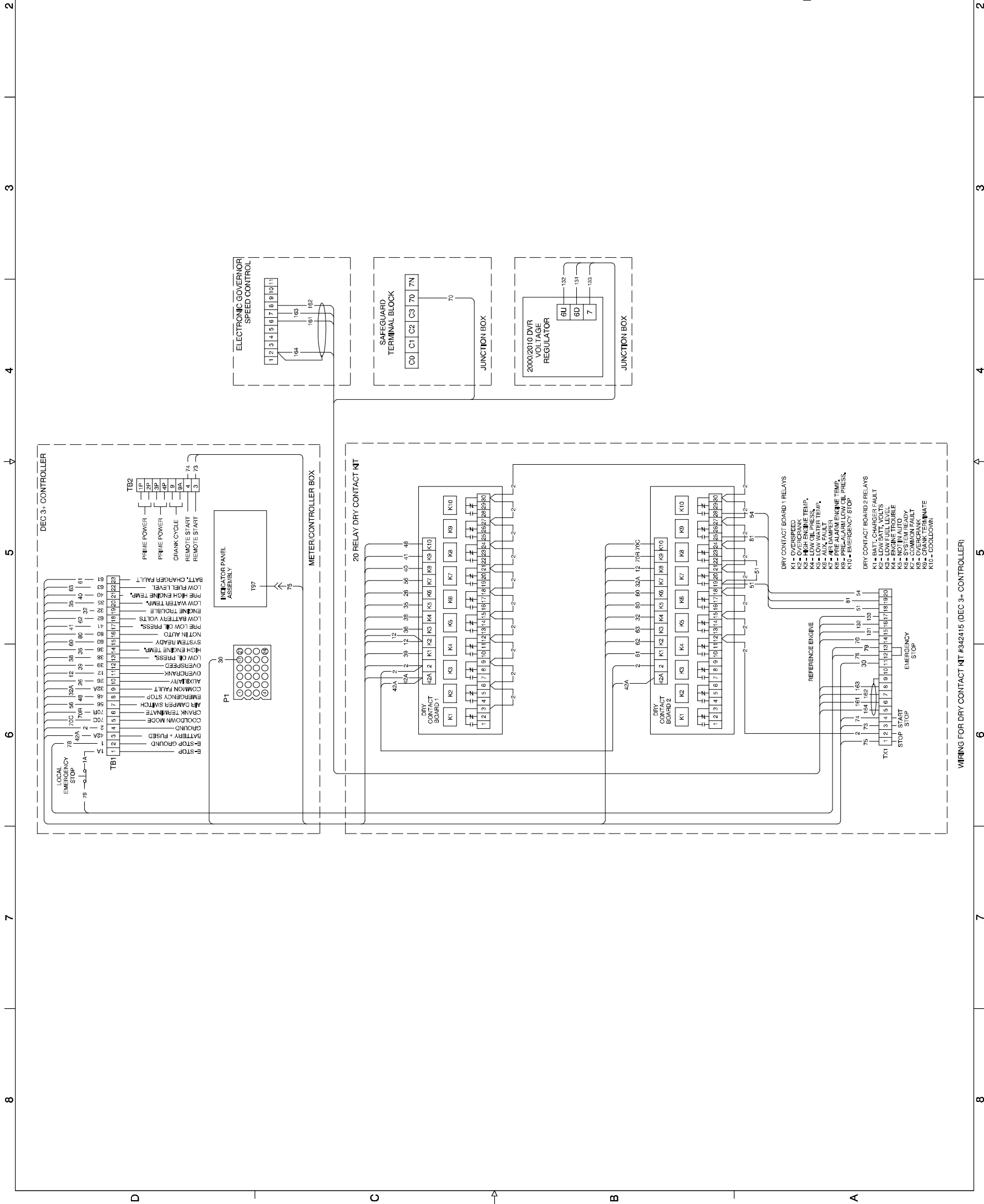
REV	DATE	REVISION	BY
C	11-19-97	(A-2) TECH PROCESSOR PLUS WAS DEC 3+ & (B-7) REMOTE ANNUNCIATOR WAS DECISION MONITOR ON SPECTRUM TITLE BLOCK (9898)	MAP
D	04-24-98	(A-2) 200/200 (W) WAS 200/400 (W) (D-4) CUSTOMER INTERCONNECTION KIT OR INNER PANEL TERMINAL BLOCK ADDED (9875)	US
F	11-27-99	(A-2) INSTALLATION NOTE ADDED (9898)	LDA



TERMINAL ID.	DESCRIPTION	PRE-ALARM FUNCTION	OPTION ADDITIONS
*1	EMERGENCY-STOP RELAY (K4) GROUND		
*1A	EMERGENCY-STOP RELAY (K4) COIL NEGATIVE		
42A	BATTERY VOLTAGE (FUSE PROTECTED)		
2	GROUND		
70C	GENERATOR IN COOLDOWN		
70R	GENERATOR RUNNING		
32A	COMMON FAULT LINE 2 (ACTIVATED BY: E-STOP, AUX. OS, LOP, HET FAULTS)		
3	REMOTE START GROUND		
4	REMOTE START (ACTIVE LOW)		
9	CRANK MODE (OPEN=CYCLE ; GROUND=CONTINUOUS)		
9A	CRANK MODE GROUND		
12	OVERCRANK INDICATOR		
26	AUXILIARY INDICATOR		
32	COMMON FAULT/PREALARM LINE 1 (ACTIVATED BY: HET, HETP, LOP, LOPP, OS, LWT, OC, LF, AUX, AD, NFA FAULTS)		
36	HIGH ENGINE TEMPERATURE INDICATOR		
38	LOW OIL PRESSURE INDICATOR		
39	OVERSPEED INDICATOR		
56	AIR DAMPER INDICATOR		
60	SYSTEM READY INDICATOR		
70	BATTERY VOLTAGE (RUN ONLY)		
7N	GROUND		
80	NOT IN AUTO INDICATOR		
35	LOW WATER TEMPERATURE		
40	PRE-ALARM HIGH ENGINE TEMPERATURE INDICATOR		
41	PRE-ALARM LOW OIL PRESSURE INDICATOR		
58	LINE POWER		
59	GENERATOR POWER		
48	EMERGENCY-STOP INDICATOR		
61	BATTERY CHARGER FAULT (ACTIVE LOW)		NEPA
62	LOW BATTERY VOLTS (ACTIVE LOW)		OPTION ADDITIONS
63	LOW FUEL (ACTIVE LOW)		OPTION ADDITIONS
1P	PRIME POWER OPERATION		
2P	PRIME POWER OPERATION		
3P	PRIME POWER OPERATION		
4P	PRIME POWER OPERATION		

* MUST HAVE JUMPER IF THERE IS NO EMERGENCY STOP KIT CONNECTIONS.

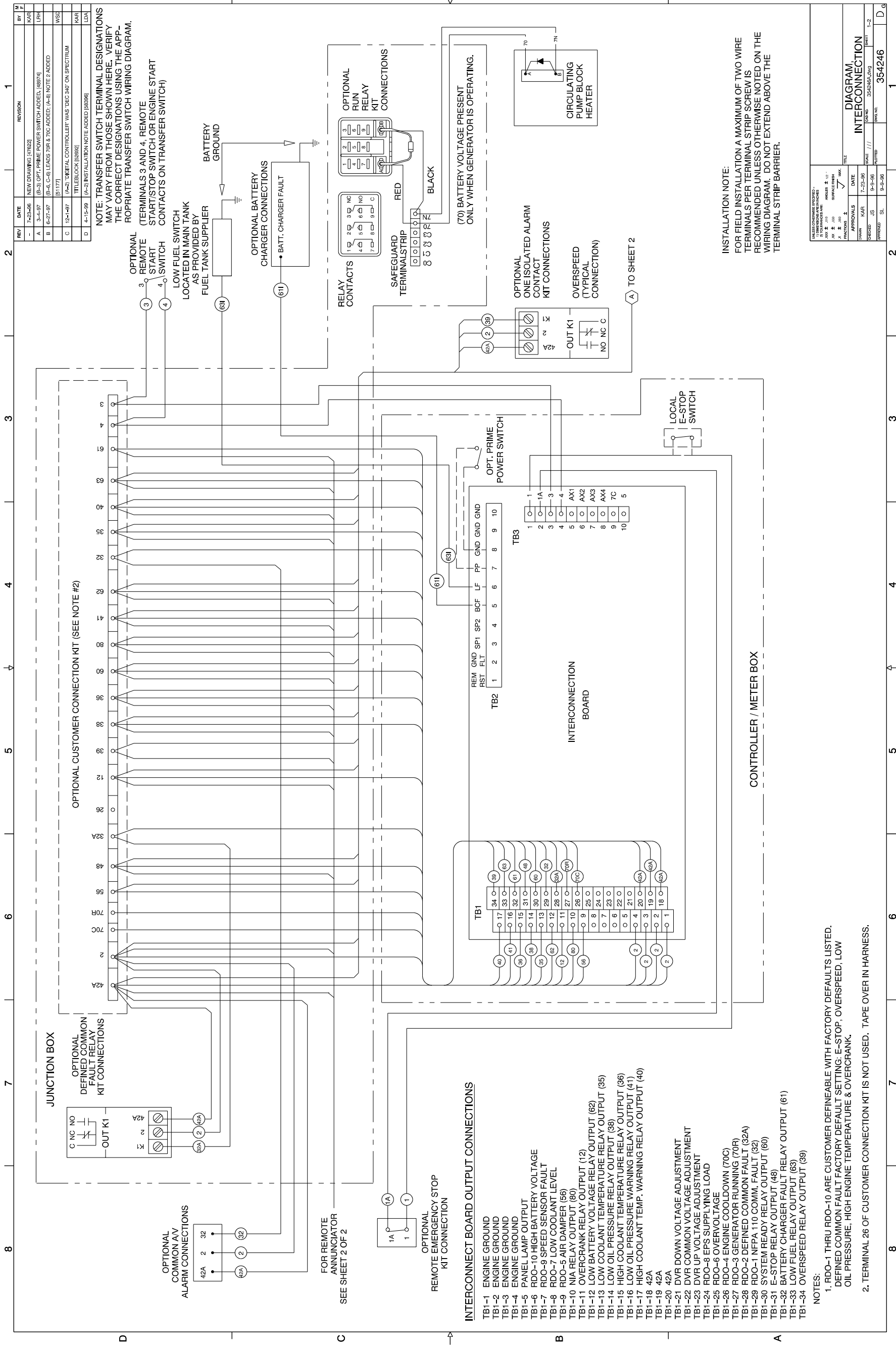
REV	DATE	REVISION	BY
A	11-21-96	SHEET 3 OF 3 ADDED (4566A)	KAR
B	11-14-97	(A-2) MICROPROCESSOR PLUS WAS "DEC 3+" ON SPECTRUM TITLE BLOCK (98920)	KAR
F	4-21-98	(A-2) INSTALLATION NOTE ADDED (9898)	LDA



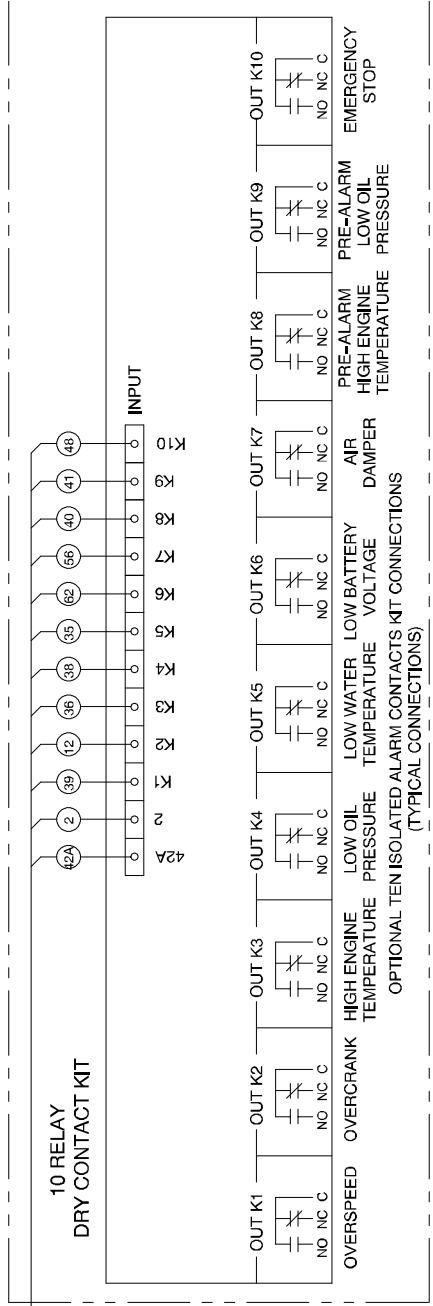
INSTALLATION NOTE:
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REV	DATE	REVISION	BY
A	11-21-96	SHEET 3 OF 3 ADDED (4566A)	KAR
B	11-14-97	(A-2) MICROPROCESSOR PLUS WAS "DEC 3+" ON SPECTRUM TITLE BLOCK (98920)	KAR
F	4-21-98	(A-2) INSTALLATION NOTE ADDED (9898)	LDA

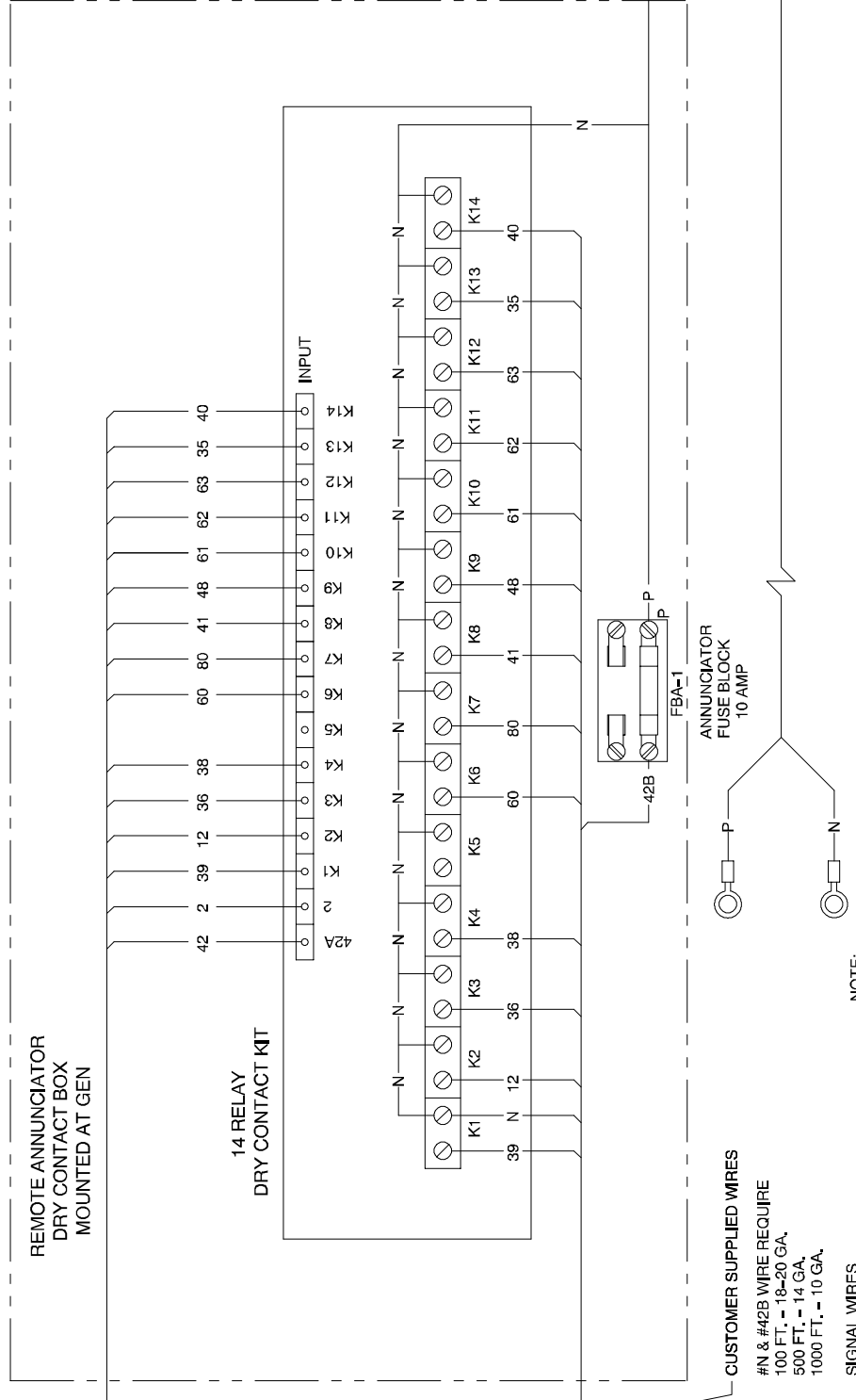
Decision-Maker™ 3+ Controller, Accessory Connections, Sheet 3, 328912C-F



REV	DATE	DESCRIPTION	BY	APP
1	7-28-96	NEW DRAWING (7/7/92)	KAR	
2	1-24-97	(A-2) TERMINAL CONTROL LEAF WAS MOVED TO SPECTRUM	KAR	
3		TILTBLOCK (8/8/98)	KAR	
4	4-15-99	(C-2) INSTALLATION NOTE ADDED (8/8/98)	LDA	
5				
6				
7				
8				

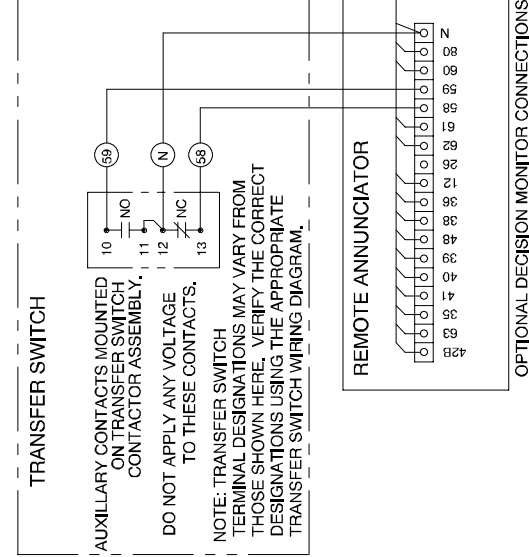


INSTALLATION NOTE:
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REMOTE ANNUNCIATOR DRY CONTACT BOX MOUNTED AT GEN

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 & #2B AS REQUIRED

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.

DESIGNED BY	CHECKED BY	DATE	SCALE	SHEET	TOTAL SHEETS
W. J. ...	J. S. ...	7-28-96	1/1	1	1

DIAGRAM INTERCONNECTION

PROJECT	DATE	SCALE	SHEET
354246B-D	7-28-96	1/1	1

Decision-Maker™ 340 Controller, Accessory Connections, Sheet 2, 354246B-D

TP-6058 5/01c

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