

Serial #: All

Sep. 5, 2018

Product Bulletin # PDC-017

PWH PLC Cabinet Circuit Protection Modification

Some rigs with standalone server cabinets have been experiencing loss of communication as a result of circuit breaker 5 (CB5) tripping. This CB feeds power to the server cabinet in the Powerhouse PLC cabinet. The power distribution from CB5 leads to the PLC cabinet and field installed start/stop circuits.

Upon investigation, it has been discovered that the cause of CB5 tripping is likely the result of a short circuit. In the event of a short circuit, CB5 trips and shuts off network communication between all Ethernet IP devices connected to the Stratix switch in the Powerhouse server cabinet. Canrig recommends installing a Circuit Breaker modification kit (AY24262) to address this issue.

Affected Rigs

This modification applies to all PACE 1, 2, and 3 series. Also, B-, S-, M- and F- rigs which have had server cabinet upgrades may present this issue.

Recommendation

Order Canrig Kit AY24262 to replace add 2 More Circuit Breakers (CB9 & CB10) with a 2 and 5 Amp load protection. Only one order is needed per rig. If any rigs encounter the issues described above please order the kit below. Illustrations for changes are described below.

Table 1: PLC Cabinet Circuit Protection Modification Kit

Part No.	Qty	Description
AY24262	1	Kit, Upgrade, Server Cabinet Branch Breaker

Procedure

- 1. **For all rigs.** Refer to Figure 4 on page 6 (for M59-M62, B7-B29, and \$887 \$893 rigs), or Figure 8 on page 10 (for F34 F37, and M36 B06 rigs).
 - a. Locate the PLC Cabinet in the Powerhouse.
 - b. Install new circuit breakers in an open spot near the existing 24VDC installed circuit breakers:
 - Clip the 2 Amp breakers on DIN rail and label it CB9.
 - Clip the 5 Amp breakers on DIN Rail and label it CB10.



Model: See Affected Rigs	Sep. 5, 2018
Serial #: All	3 e p. 3, 2010

- 2. **For all rigs.** Refer to Figure 4 on page 6(for M59-M62, B7-B29, and \$887 \$893 rigs), or Figure 8 on page 10 (for F34 F37, and M36 B06 rigs).
 - a. Cut a long enough 16 AWG wire to install in the top terminals of the newly-supplied circuit breakers.
 - b. Crimp non-insulated ferrules on both ends of the wires.
 - c. Install one end of the 16 AWG wire into the top side termination of **CB8.1**, and use it as a jumper.
 - d. Install the other end of the wire into the top screw termination of CB9.1.
 - e. Do the same install as previous described from CB9.1 to the top screw termination of **CB10.1**.
- 3. For M59-M62, B7-B29, S887 S893 rigs only. Refer to Figure 4 on page 6.
 - a. Move Field Start stop motor wire labeled +24V.3S from TB5.3 to the bottom termination side of newly installed **CB9.2**.
 - b. Connect the other end of this wire to TB230.1.
- 4. For M59-M62, B7-B29, S887 S893 rigs only. Refer to Figure 4 on page 6.
 - a. Move Server Cabinet 24VDC Power wire labeled +24V.6A from TB5.6 to the bottom termination side of newly installed **CB10.2**.



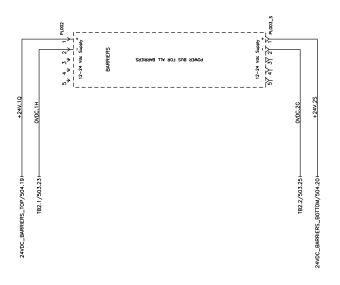
Serial #: All

			CB5 Before Changes	
Termination	Wire Number	Termination		Note
	0.5.5	RACK 0, SLOT 5, Terminal 5	VER SUPPLY OK	RACK 0, SLOT 5, Terminal 5
	+24V.1N	TB200:13/14		RACK 0, SLOT 1, Terminal 0
		TB200:15/16	MUD PUMP 1 (MP1) BLOWER PRESS. SW 1=OK 0=FAULT	RACK 0, SLOT 1, Terminal 3
		TB200:17/18	MUD PUMP 1 (MP1) OILER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 1, Terminal 6
		TB200:19/20	MUD PUMP 1 (MP1) WATER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 2, Terminal 1
		TB200:23/24	MUD PUMP 1 (MP1) VIBRATION SWITCH	RACK 0, SLOT 7, Terminal 0
TB5:1		TB200:25/26	MUD PUMP 1 STROKE SWITCH (counter)	RACK 0, SLOT 8, Terminal 2
	+24V.1P	TB202:13/14		RACK 0, SLOT 1, Terminal 1
		TB202:15/16		RACK 0, SLOT 1, Terminal 4
		TB202:17/18	MUD PUMP 2 (MP2) OILER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 1, Terminal 7
		TB202:19/20	MUD PUMP 2 (MP2) WATER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 2, Terminal 2
		TB202:23/24	MUD PUMP 2 (MP2) VIBRATION SWITCH	RACK 0, SLOT 7, Terminal 1
		TB202:25/26	MUD PUMP 2 STROKE SWITCH (counter)	RACK 0, SLOT 8, Terminal 3
	+24V.2R	TB204:13/14	MUD PUMP 3 (MP3) LOCKOUT SWITCH	RACK 0, SLOT 1, Terminal 2
		TB204:15/16	I	RACK 0, SLOT 1, Terminal 5
		TB204:17/18	MUD PUMP 3 (MP3) OILER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 2, Terminal 0
TB5:2		TB204:19/20	MUD PUMP 3 (MP3) WATER PRESSURE SW 1=OK 0=FAULT	RACK 0, SLOT 2, Terminal 3
		TB204:23/24	MUD PUMP 3 (MP3) VIBRATION SWITCH	RACK 0, SLOT 7, Terminal 2
		TB204:25/26	MUD PUMP 3 STROKE SWITCH (counter)	RACK 0, SLOT 8, Terminal 4
	0.2.7	RACK 0, SLOT 2, Terminal 7	MUD PUMP 1 (MP1) M RIG PLUG JUMPER 1=M RIG CONNECTION (24VDC JUMPER) (NOT ON B RIG)	RACK 0, SLOT 2, Terminal 7
	+24V.3R	TB207:7	MAIN HPU OIL LEVEL LOW LEVEL SWITCH	RACK 0, SLOT 3, Terminal 0
		Jumped In Field	MAIN HPU OIL TEMPERATURE HIGH SWITCH	RACK 0, SLOT 3, Terminal 3
		Jumped In Field	MAIN HPU OIL PRESSURE HIGH SWITCH	RACK 0, SLOT 3, Terminal 5
		Jumped In Field	MAIN HPU MOTOR OL TRIPPED/ABERDEER MOTOR 1 OVERLOAD STATUS (NOT ON B RIG)	RACK 0, SLOT 8, Terminal 5
		Jumped In Field	MAIN HPU DIESEL ENGINE RUNNING (NOT ON B RIG)	RACK 0, SLOT 8, Terminal 6
	+24V.3S	TB230:1	MUD MIX 1 START/STOP CONTROLS	RACK 0, SLOT 3, Terminal 6
		TB231:1		RACK 0, SLOT 3, Terminal 7
		TB232:1	S	RACK 0, SLOT 4, Terminal 4
		TB233:1		RACK 0, SLOT 4, Terminal 5
TR5-3		TB234:1	LS	RACK 0, SLOT 4, Terminal 6
2		TB235:1		RACK 0, SLOT 6, Terminal 2
		TB236:1	01.5	RACK 0, SLOT 6, Terminal 3
		TB237:1		RACK 0, SLOT 2, Terminal 4
		TB238:1	TRIP TANK 2 START/STOP CONTROLS	RACK 0, SLOT 2, Terminal 5
		TB243:1	SPARE MCC S6J START/STOP	RACK 0, SLOT 6, Terminal 6
		TB244:1		RACK 0, SLOT 6, Terminal 7
		TB251:1		RACK 0, SLOT 4, Terminal 0
		TB253:1	GENERATOR 2 RAD FAN START/STOP CONTROLS	RACK 0, SLOT 4, Terminal 1
		TB255:1	GENERATOR 3 RAD FAN START/STOP CONTROLS	RACK 0, SLOT 4, Terminal 2
		TB255:7	GENERATOR 4 RAD FAN START/STOP CONTROLS	RACK 0, SLOT 4, Terminal 3
	0.5.1	RACK 0, SLOT 5, Terminal 1	MUD PUMP 2 (MP2) M RIG PLUG JUMPER M RIG CONNECTED (NOT ON B RIG)	RACK 0, SLOT 5, Terminal 1
		TB259:5		RACK 0, SLOT 7, Terminal 3
TB5:4	JAW 40	TB260:5	BRAKE RESISTOR 2 (blower) PRESSURE SWITCH	RACK 0, SLOT 7, Terminal 4
	04:747	TB259:7		RACK 0, SLOT 7, Terminal 5
		TB260:7	BRAKE RESISTOR 2 TEMP SWITCH	RACK 0, SLOT 7, Terminal 6
		CR0.13.0:11		RACK 0, SLOT 13, Terminal 0
TB5.5	+24V.5B	CR0.13.1:11	OT ON B RIG)	RACK 0, SLOT 13, Terminal 1
		CR0.13.2:11	RT (NOT ON B RIG)	RACK 0, SLOT 13, Terminal 2
TB5:6	+24V.6A	SERVER CABINET	SERVER CABINET 24VDC Distribution SERVER CABINET 24VDC Distribution	Server Cabinet Power
TB5:7				
TB5:8				

Figure 1: Before Wiring Changes (M59-M62, B7-B29 Rigs)



Model: See Affected Rigs Serial #: All



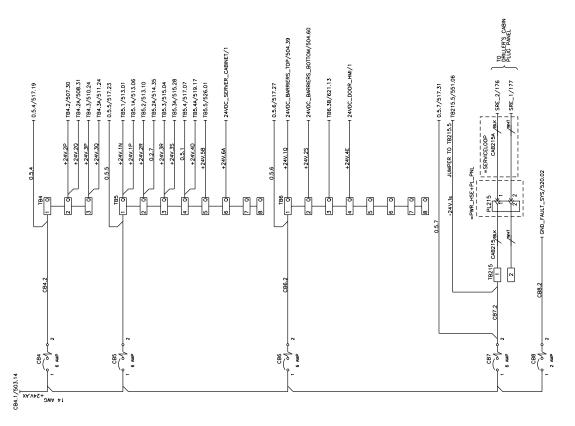


Figure 2: Schematic Before Wiring Changes (M59 – M62, B7– B29, S887 – S893 Rigs)



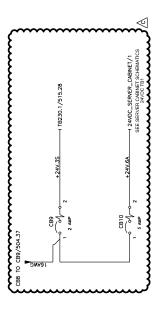
Serial #: All

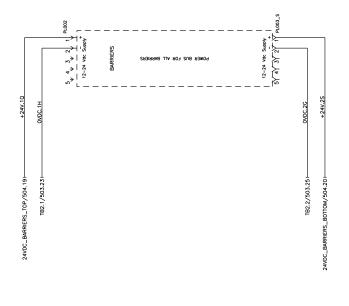
			CB5 After Changes	
Termination	Wire Number	Termination		Note
	0.5.5	RACK 0, SLOT 5, Terminal 5	VER SUPPLY OK	RACK 0, SLOT 5, Terminal 5
	+24V.1N	TB200:13/14		RACK 0, SLOT 1, Terminal 0
		TB200:15/16	MUD PUMP 1 (MP1) BLOWER PRESS. SW 1=OK 0=FAULT	RACK 0, SLOT 1, Terminal 3
		TB200:17/18		RACK 0, SLOT 1, Terminal 6
		TB200:19/20	CH 1=OK 0=FAULT	RACK 0, SLOT 2, Terminal 1
		TB200:23/24	MUD PUMP 1 (MP1) VIBRATION SWITCH	RACK 0, SLOT 7, Terminal 0
TB5:1		TB200:25/26	MUD PUMP 1 STROKE SWITCH (counter)	RACK 0, SLOT 8, Terminal 2
	+24V.1P	TB202:13/14	MUD PUMP 2 (MP2) LOCKOUT SWITCH	RACK 0, SLOT 1, Terminal 1
		TB202:15/16	MUD PUMP 2 (MP2) BLOWER PRESS. SW 1=OK O=FAULT	RACK 0, SLOT 1, Terminal 4
		TB202:17/18	MUD PUMP 2 (MP2) OILER PRESS, SWITCH 1=OK 0=FAULT	RACK 0, SLOT 1, Terminal 7
		TB202:19/20	MUD PUMP 2 (MP2) WATER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 2, Terminal 2
		TB202:23/24	MUD PUMP 2 (MP2) VIBRATION SWITCH	RACK 0, SLOT 7, Terminal 1
		TB202:25/26	MUD PUMP 2 STROKE SWITCH (counter)	RACK 0, SLOT 8, Terminal 3
	+24V.2R	TB204:13/14	MUD PUMP 3 (MP3) LOCKOUT SWITCH	RACK 0, SLOT 1, Terminal 2
		TB204:15/16	MUD PUMP 3 (MP3) BLOWER PRESSURE SW 1=OK 0=FAULT	RACK 0, SLOT 1, Terminal 5
		TB204:17/18		RACK 0, SLOT 2, Terminal 0
TB5:2		TB204:19/20	MUD PUMP 3 (MP3) WATER PRESSURE SW 1=OK 0=FAULT	RACK 0, SLOT 2, Terminal 3
		TB204:23/24	MUD PUMP 3 (MP3) VIBRATION SWITCH	RACK 0, SLOT 7, Terminal 2
		TB204:25/26	MUD PUMP 3 STROKE SWITCH (counter)	RACK 0, SLOT 8, Terminal 4
	0.2.7	RACK 0, SLOT 2, Terminal 7	MUD PUMP 1 (MP1) M RIG PLUG JUMPER 1=M RIG CONNECTION (24VDC JUMPER) (NOT ON B RIG)	RACK 0, SLOT 2, Terminal 7
	+24V.3R	TB207:7		RACK 0, SLOT 3, Terminal 0
		Jumped In Field	MAIN HPU OIL TEMPERATURE HIGH SWITCH	RACK 0, SLOT 3, Terminal 3
TB5:3		Jumped In Field	MAIN HPU OIL PRESSURE HIGH SWITCH	RACK 0, SLOT 3, Terminal 5
		Jumped In Field	MAIN HPU MOTOR OL TRIPPED/ABERDEER MOTOR 1 OVERLOAD STATUS (NOT ON B RIG)	RACK 0, SLOT 8, Terminal 5
		Jumped In Field		RACK 0, SLOT 8, Terminal 6
	0.5.1	RACK 0, SLOT 5, Terminal 1	IG CONNECTED (NOT ON B RIG)	RACK 0, SLOT 5, Terminal 1
		TB259:5		RACK 0, SLOT 7, Terminal 3
TB5:4	424V AD	TB260:5	URE SWITCH	RACK 0, SLOT 7, Terminal 4
	01:47:	TB259:7		RACK 0, SLOT 7, Terminal 5
		TB260:7	BRAKE RESISTOR 2 TEMP SWITCH	RACK 0, SLOT 7, Terminal 6
		CR0.13.0:11	MAIN HPU STOP CONTACT	RACK 0, SLOT 13, Terminal 0
TB5.5	+24V.5B	CR0.13.1:11	OT ON B RIG)	RACK 0, SLOT 13, Terminal 1
		CR0.13.2:11	DIESEL E-STOP/ABERDEER MTR2 START (NOT ON B RIG)	RACK 0, SLOT 13, Terminal 2
TB5:6				
TB5:7				
TB5:8				
			New Added CB9 After Changes	
Termination	Wire Number	Termination	Circuit/Signal	Note
	+24V.3R	TB207:7	MAIN HPU OIL LEVEL LOW LEVEL SWITCH	RACK 0, SLOT 3, Terminal 0
			MAIN HPU OIL TEMPERATURE HIGH SWITCH	RACK 0, SLOT 3, Terminal 3
CB9:2			MAIN HPU OIL PRESSURE HIGH SWITCH	RACK 0, SLOT 3, Terminal 5
			MAIN HPU MOTOR OL TRIPPED/ABERDEER MOTOR 1 OVERLOAD STATUS (NOT ON B RIG)	RACK 0, SLOT 8, Terminal 5
			MAIN HPU DIESEL ENGINE RUNNING (NOT ON B RIG)	RACK 0, SLOT 8, Terminal 6
			Naw Addad 1810 After Changes	
Tourston	Miles Misselber	T. C.		444
Coro	wire Number	Termination	errando primira	Note
CBIU:Z	+24V.bA	SERVER CABINET		Server Cabinet Power

Figure 3: Circuit Breaker Branch Circuits After Wiring Changes (M59 – M62, B7 – B29, and S887 – S893 Rigs)



Model: See Affected Rigs Serial #: All





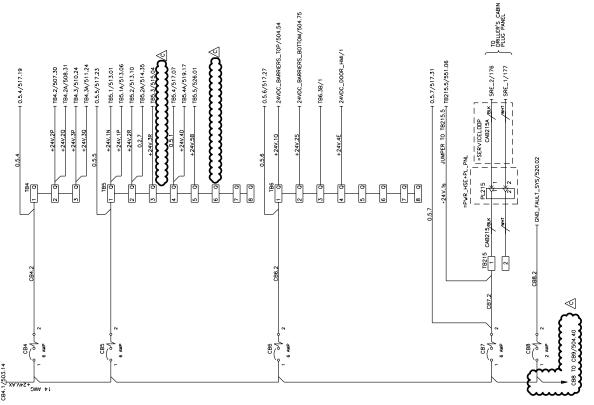


Figure 4: Schematic After Wiring Changes (M59-M62, B7-B29, S887 – S893 Rigs)



Serial #: All

Fermination	Wire Number	Termination	Circuit/Signal	Note
		TB200:13/14	MUD PUMP 1 (MP1) LOCKOUT SWITCH	RACK 0, SLOT 4, Terminal 2
		18200:15/16	MUD PUMP 1 (MP1) BLOWER PRESS. SW 1=OK U=FAULI	RACK U, SLU1 4, Terminal 5
		TB200:17/18	MUD PUMP 1 (MP1) OILER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 8
		TB200:19/20	MUD PUMP 1 (MP1) WATER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 3, Terminal 7
		TB200:21	MUD PUMP 1 F RIG JUMPER	RACK 0, SLOT 4, Terminal 18
		TB201:22	MUD PUMP 1 M RIG JUMPER	RACK 0, SLOT 4, Terminal 19
		TB200:23/24	MUD PUMP 1 (MP1) VIBRATION SWITCH	RACK 0, SLOT 7, Terminal 2
		TB200:25/26	MUD PUMP 1 STROKE SWITCH (counter)	RACK 0, SLOT 7, Terminal 14
		TB202:13/14	MUD PUMP 2 (MP2) LOCKOUT SWITCH	RACK 0, SLOT 4, Terminal 3
		TB202:15/16	MUD PUMP 2 (MP2) BLOWER PRESS. SW 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 6
		TB202:17/18	MUD PUMP 2 (MP2) OILER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 9
		TB202:19/20	MUD PUMP 2 (MP2) WATER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 14
		TB202:21	MUD PUMP 2 (MP2) F Rig Jumper	RACK 0, SLOT 6, Terminal 2
		TB202:22	MUD PUMP 2 (MP2) M Rig Jumper	RACK 0, SLOT 6, Terminal 3
		TB202:23/24	MUD PUMP 2 (MP2) VIBRATION SWITCH	RACK 0, SLOT 7, Terminal 3
		TB202:25/26	MUD PUMP 2 STROKE SWITCH (counter)	RACK 0, SLOT 7, Terminal 15
		TB204:13/14	MUD PUMP 3 (MP3) LOCKOUT SWITCH	RACK 0, SLOT 4, Terminal 4
		TB204:15/16	MUD PUMP 3 (MP3) BLOWER PRESSURE SW 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 7
		TB204:17/18	MUD PUMP 3 (MP3) OILER PRESS. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 12
		TB204:19/20	MUD PUMP 3 (MP3) WATER PRESSURE SW 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 15
		TB204:23/24	MUD PUMP 3 (MP3) VIBRATION SWITCH	RACK 0, SLOT 7, Terminal 4
		TB204:25/26	MUD PUMP 3 STROKE SWITCH (counter)	RACK 0, SLOT 7, Terminal 16
		RACK 0, SLOT 2, Terminal 7	MUD PUMP 1 (MP1) M RIG PLUG JUMPER 1=M RIG CONNECTION (24VDC JUMPER) (NOT ON B RIG)	RACK 0, SLOT 2, Terminal 7
TB5.1	CRAZAVDC	TB207:7	MAIN HPU OIL LEVEL LOW LEVEL SWITCH	RACK 0, SLOT 5, Terminal 2
1	20124	Jumped In Field	MAIN HPU OIL LEVEL HIGH LEVEL SWITCH	RACK 0, SLOT 5, Terminal 3
		Jumped In Field	MAIN HPU OIL TEMPERATURE LOW SWITCH	RACK 0, SLOT 5, Terminal 4
		Jumped In Field	MAIN HPU OIL TEMPERATURE HIGH SWITCH	RACK 0, SLOT 5, Terminal 5
		Jumped In Field	MAIN HPU OIL PRESSURE HIGH SWITCH	RACK 0, SLOT 5, Terminal 7
		TB230:1	MUD MIX 1 START/STOP CONTROLS	RACK 0, SLOT 5, Terminal 8
		TB231:1	MUD MIX 2 START/STOP CONTROLS	RACK 0, SLOT 5, Terminal 9
		TB232:1	DESANDER MOTOR START/STOP CONTROLS	RACK 0, SLOT 5, Terminal 16
		TB233:1	DESILTER MOTOR START/STOP CONTROLS	RACK 0, SLOT 5, Terminal 17
		TB234:1	DEGASSER MOTOR START/STOP CONTROLS	RACK 0, SLOT 5, Terminal 18
		TB235:1	WATER PUMP 1 START/STOP CONTROLS	RACK 0, SLOT 6, Terminal 14
		TB236:1	WATER PUMP 2 START/STOP CONTROLS	RACK 0, SLOT 6, Terminal 15
		TB237:1	TRIP TANK 1 START/STOP CONTROLS	RACK 0, SLOT 4, Terminal 16
		TB238:1	TRIP TANK 2 START/STOP CONTROLS	RACK 0, SLOT 4, Terminal 17
		TB243:1	SPARE MCC S6J START/STOP	RACK 0, SLOT 6, Terminal 14
		TB244:1	SPARE MCC S6L START/STOP	RACK 0, SLOT 6, Terminal 15
		TB251:1	GENERATOR 1 RAD FAN START/STOP CONTROLS	RACK 0, SLOT 5, Terminal 12
		TB253:1	GENERATOR 2 RAD FAN START/STOP CONTROLS	RACK 0, SLOT 5, Terminal 13
		TB255:1	GENERATOR 3 RAD FAN START/STOP CONTROLS	RACK 0, SLOT 5, Terminal 14
		TB255:7	GENERATOR 4 RAD FAN START/STOP CONTROLS	RACK 0, SLOT 5, Terminal 15
		TB259:5	BRAKE RESISTOR 1 (blower) PRESSURE SWITCH	RACK 0, SLOT 7, Terminal 5
		TB260:5	BRAKE RESISTOR 2 (blower) PRESSURE SWITCH	RACK 0, SLOT 7, Terminal 6
		TB259:7	BRAKE RESISTOR 1 TEMP SWITCH	RACK 0, SLOT 7, Terminal 7
		TB260:7	BRAKE RESISTOR 2 TEMP SWITCH	RACK 0, SLOT 7, Terminal 8
	_	6		

Figure 5: Circuit Breaker Branch Circuits Before Wiring Changes (F34 – F37, and M36 – B06 Rigs)



Serial #: All

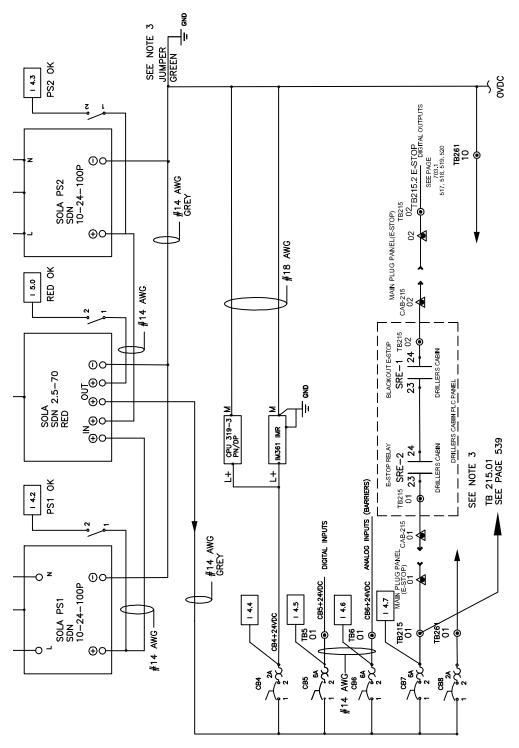


Figure 6: Schematic Before Modification (F34 – F37, M36 – B06 Rigs)



Serial #: All

			CB5 After Changes	
Termination	Wire Number	Termination TR200-13/14	Note Nata	Note RACK 0 SLOT 4 Terminal 2
		TB200:15/16	W 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 5
		TB200:17/18		RACK 0, SLOT 4, Terminal 8
		TB200:19/20	MUD PUMP 1 (MP1) WATER PRESS. SWITCH 1=OK 0=FAULT RACK 0	RACK 0, SLOT 3, Terminal 7
		TB200:21		RACK 0, SLOT 4, Terminal 18
		TB201:22		RACK 0, SLOT 4, Terminal 19
		TB200:23/24		RACK 0, SLOT 7, Terminal 2
		TB200:25/26 TB202:13/14	MUD PUMP 1 STROKE SWITCH (counter) MID PUMP 1 MAD 2 MAD 3 M	RACK 0, SLOT 7, Terminal 14
		TB202:15/16	(MP2) BLOWER PRESS. SW 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 6
		TB202:17/18	11	RACK 0, SLOT 4, Terminal 9
		TB202:19/20	. SWITCH 1=OK 0=FAULT	RACK 0, SLOT 4, Terminal 14
		TB202:21		RACK 0, SLOT 6, Terminal 2
		TB202:22		RACK 0, SLOT 6, Terminal 3
		TB202:23/24		RACK 0, SLOT 7, Terminal 3
		1B202:25/26 TB204:13/14	MND POWR 2 SINCH (1900THEF) MND POWR 2 SINCH (1900THEF) FRACK MND BILMS 2 MADSULOCKOUT SWITCH BACKE	RACK U, SLOT 7, Terminal 15
		TB204:15/16	SW 1=OK 0=FAULT	RACK 0. SLOT 4, Terminal 7
		TB204:17/18		RACK 0, SLOT 4, Terminal 12
		TB204:19/20		RACK 0, SLOT 4, Terminal 15
		TB204:23/24		RACK 0, SLOT 7, Terminal 4
		TB204:25/26	MUDD PUMP 3 STROKE SWITCH (countre) A MADE COMMERCIAL MADE UNANDED LIMATED MEDITAL AMERICAN PROPERTY OF THE PR	RACK 0, SLOT 7, Terminal 16
TB5:1	CB+24VDC	TB207-7		RACK 0, SLOT 5, Terminal /
		Jumped In Field		RACK 0, SLOT 5, Terminal 3
		Jumped In Field	ЭН	RACK 0, SLOT 5, Terminal 4
		Jumped In Field	ІТСН	RACK 0, SLOT 5, Terminal 5
		Jumped In Field	CH.	RACK 0, SLOT 5, Terminal 7
		TB230:1		RACK 0, SLOT 5, Terminal 8
		TB231:1		RACK 0, SLOT 5, Terminal 9
		18232:1 TB233:1	DESENDER MUU US JAK 175 JUP CON RUIS HACK UDESEN BACKE HACK UD PER PART RUIS HACK UD PART RUIS HACK PART RUIS PART	RACK U, SLUT 5, Terminal 16
		TB233:1		RACK O SLOT 5, Terminal 17
		TB235:1		RACK 0. SLOT 6. Terminal 14
		TB236:1		RACK 0, SLOT 6, Terminal 15
		TB237:1		RACK 0, SLOT 4, Terminal 16
		TB238:1		RACK 0, SLOT 4, Terminal 17
		TB243:1		RACK 0, SLOT 6, Terminal 14
		TB244:1		RACK 0, SLOT 6, Terminal 15
		TB251:1		RACK 0, SLOT 5, Terminal 12
		TB253:1	GENERATOR Z BAD FAN STATY/STOP CONTROLS GENERATOR AND EAST FEATURE CONTROLS RACKE	RACK 0, SLOT 5, Terminal 13
		18233:1 TR255:7		RACK 0, SLOT 5, Terminal 14
		TB259:5		RACK 0, SLOT 7, Terminal 5
		TB260:5		ACK 0, SLOT 7, Terminal 6
		TB259:7		RACK 0, SLOT 7, Terminal 7
		TB260:7	BRAKE RESISTOR 2 TEMP SWITCH RACK C	RACK 0, SLOT 7, Terminal 8
			New Added CB9 After Changes	
Termination	Wire Number	Termination	Circuit/Signal Note	ote
CB9:2				
		-	New Added CB10 After Changes	
Termination	Wire Number	Termination		ote
CB10:2	+24V.6A	SERVER CABINET	SERVER CABINET 24VDC Distribution Server	Server Cabinet Power

Figure 7: Circuit Breaker Branch Circuit After Modification (F34 – F37, and M36 – B06 Rigs)



Serial #: All

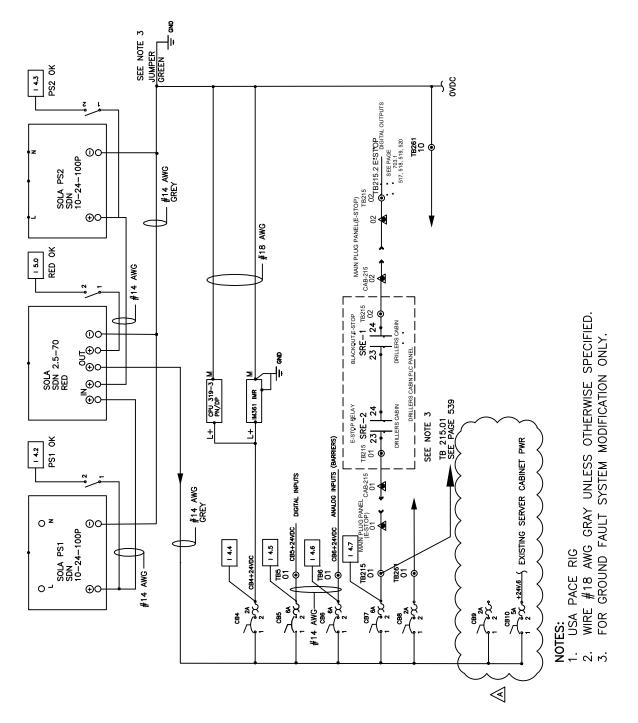


Figure 8: Schematic After Modification (F34 - F37, M36 - B06 Rigs)