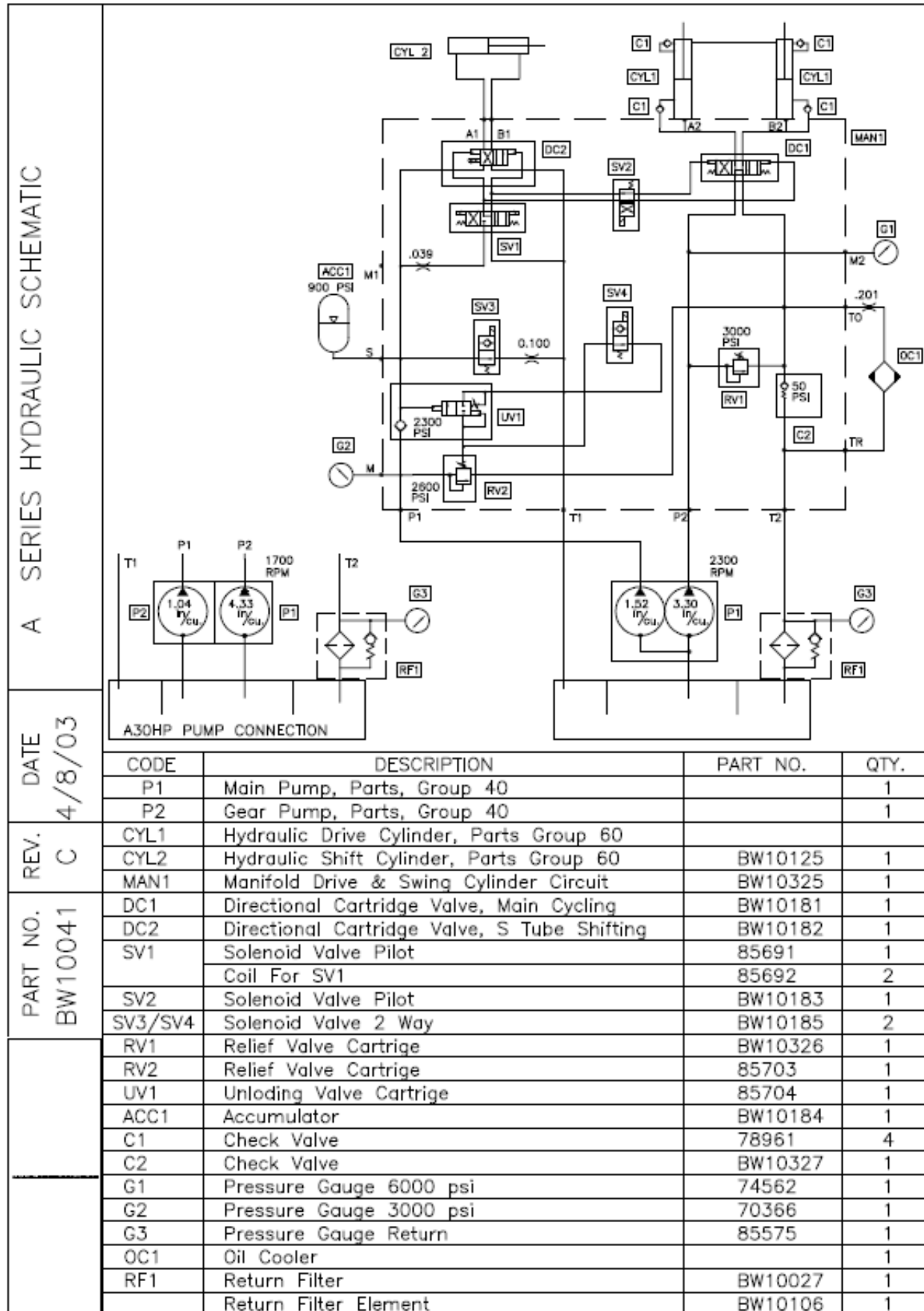


HYDRAULIC AND ELECTRICAL SCHEMATICS



1

2

3

4

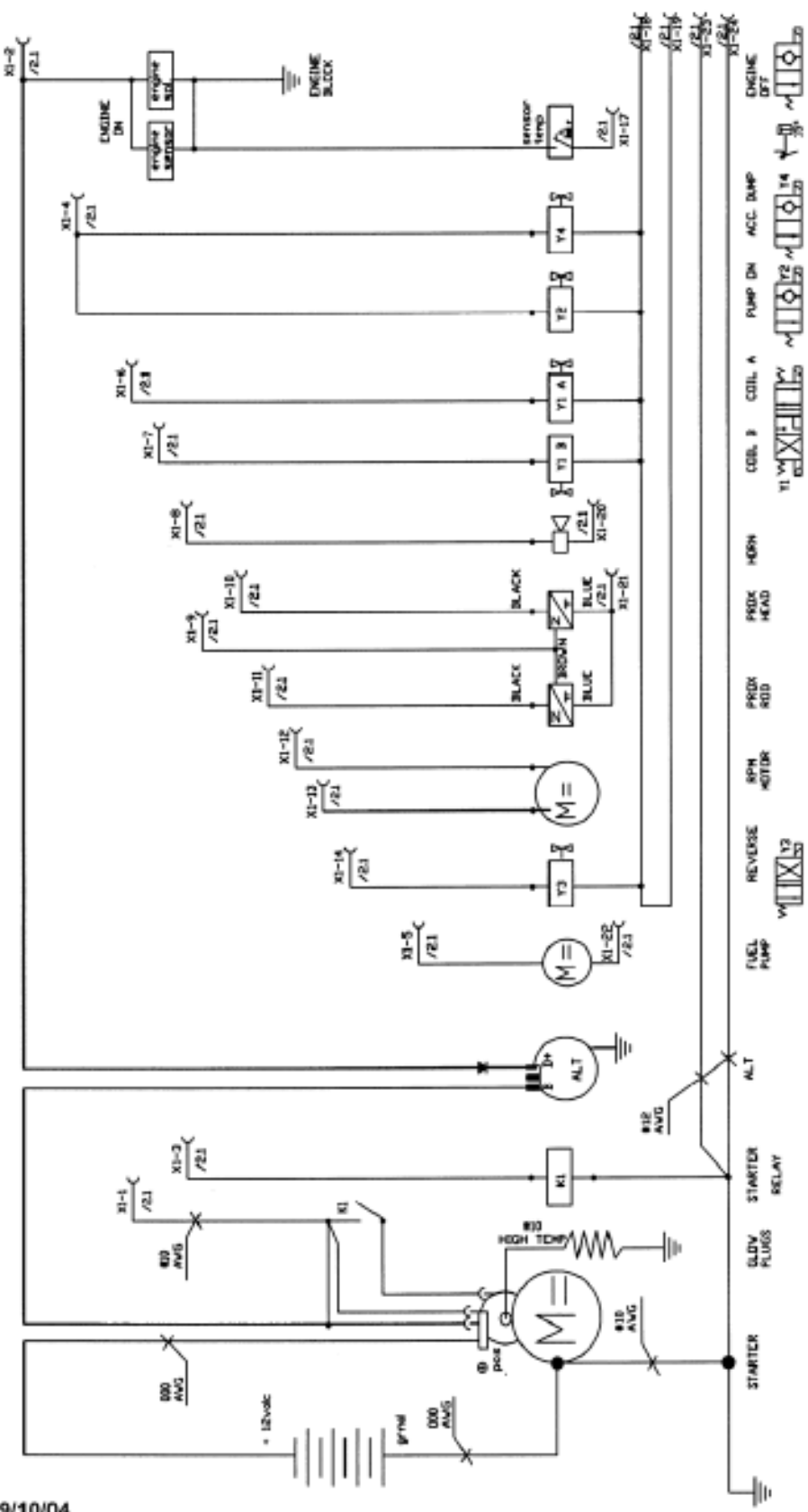
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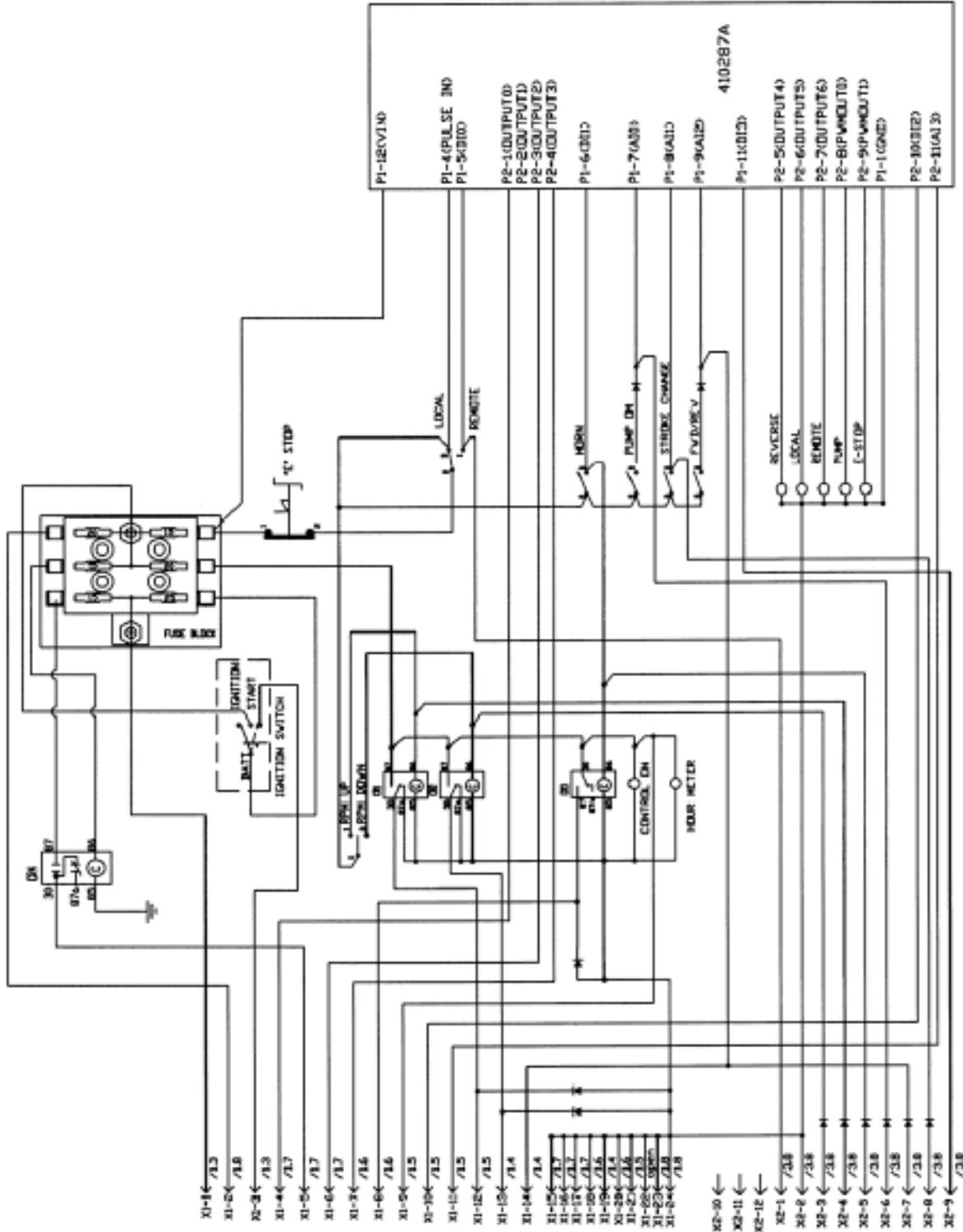
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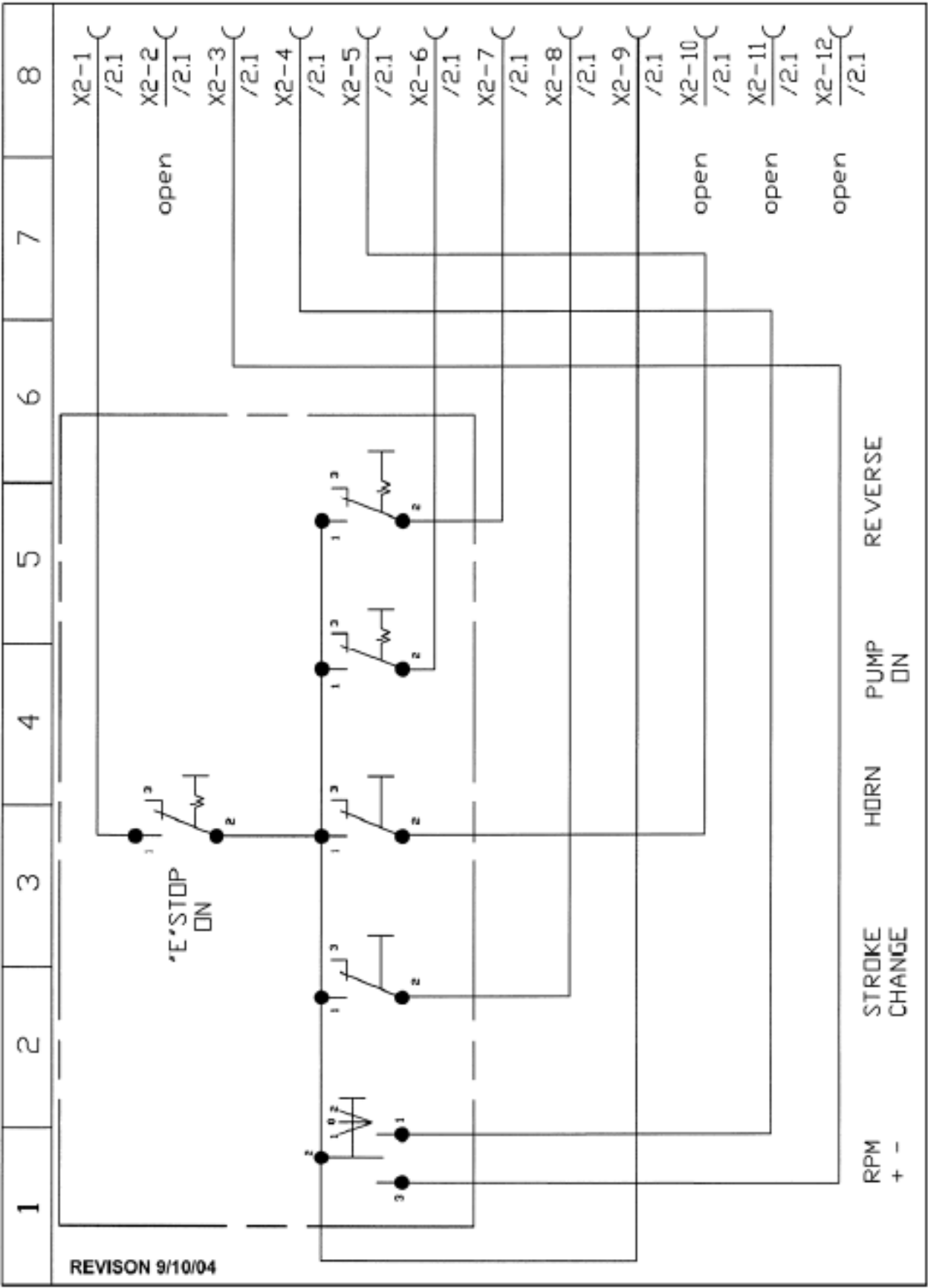
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REVISION 9/10/04



REVISION 9/10/04

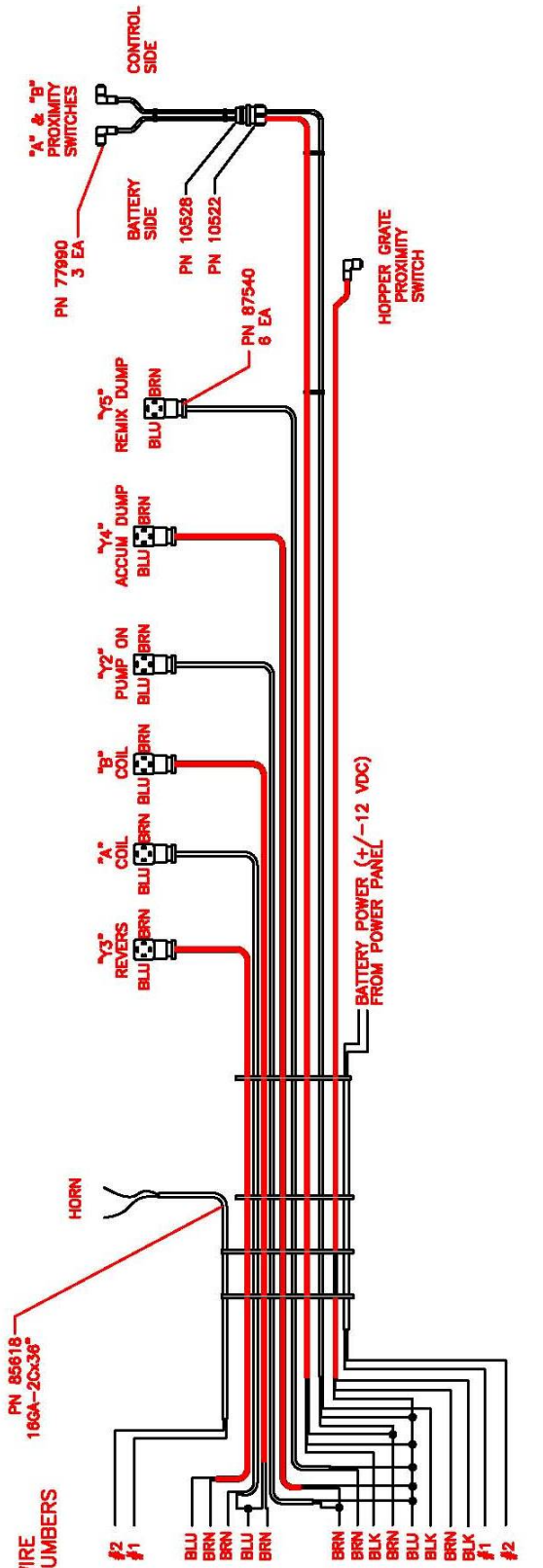




DEUSCH CONNECTOR PARTS
 PLUG BW10145
 BOOT BW10146
 PINS BW10147

24 PIN WIRE
 PLUG NUMBERS
 X1

- | | |
|---|-----|
| — | #20 |
| — | #8 |
| — | #13 |
| — | #12 |
| — | #19 |
| — | #14 |
| — | #6 |
| — | #18 |
| — | #7 |
| — | #4 |
| — | #15 |
| — | #11 |
| — | #9 |
| — | #21 |
| — | #10 |
| — | #16 |
| — | #17 |
| — | #1 |
| — | #22 |
| — | #23 |
| — | #24 |



DO NOT SCALE DRAWING		CONCRETE PLACING EQUIPMENT	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.		CHINO, CA 91710	
TOLERANCES:		TITLE	
XC .030	FRAC TION 1/32	WIRING HARNESS, A SER, ELECTRIC	
XJK .010	ANGLE 1/2°	PART NUMBER	
DRAWN SK		REV	
1/30/08		BW10445-1	
REV	DATE	DESCRIPTION OF CHANGE	SHEET 1 OF 1
		REVISIONS	

REED

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REED

CONTROL-PANEL
75HP-460V/60HZ

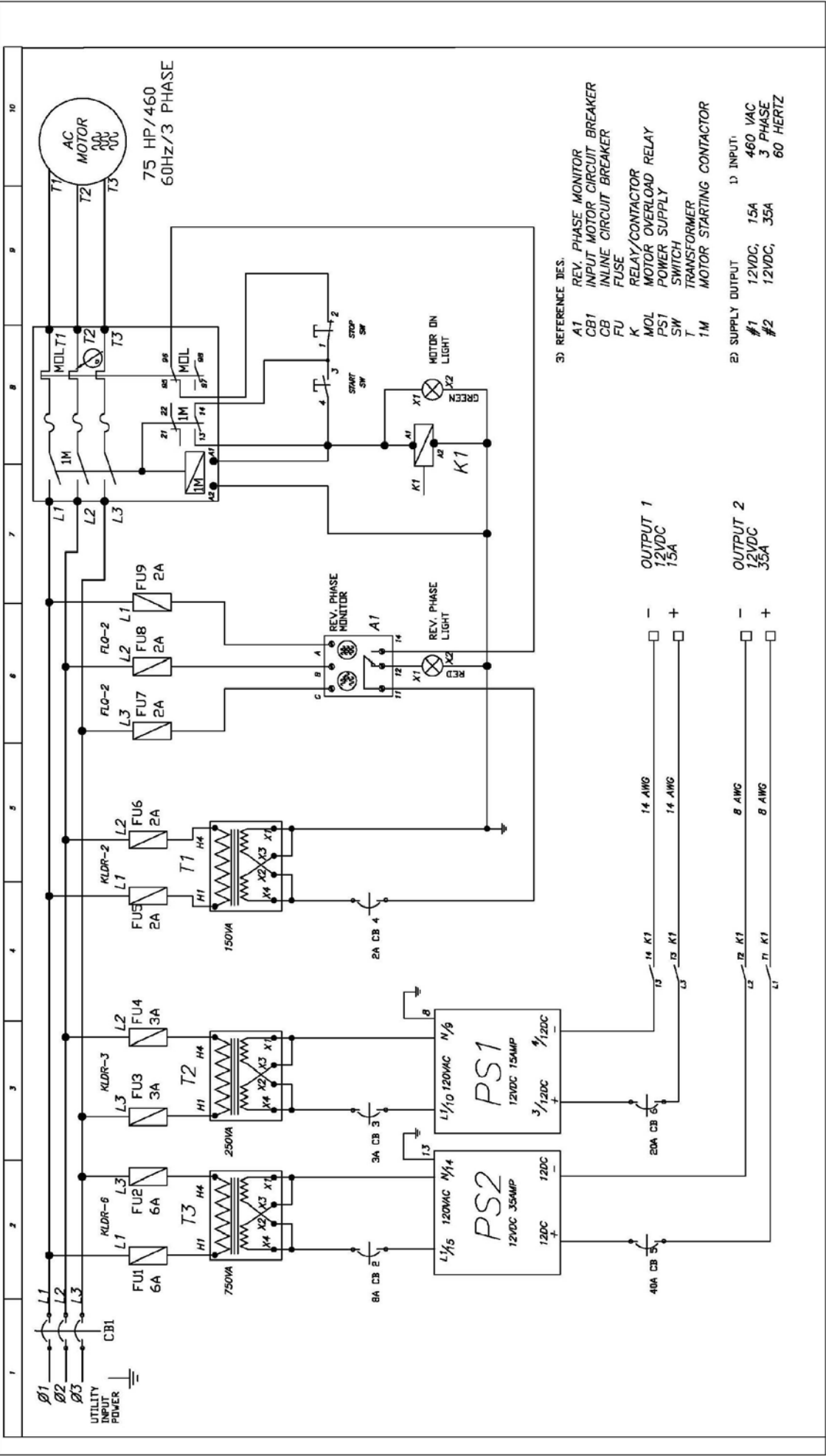
A40HP-E

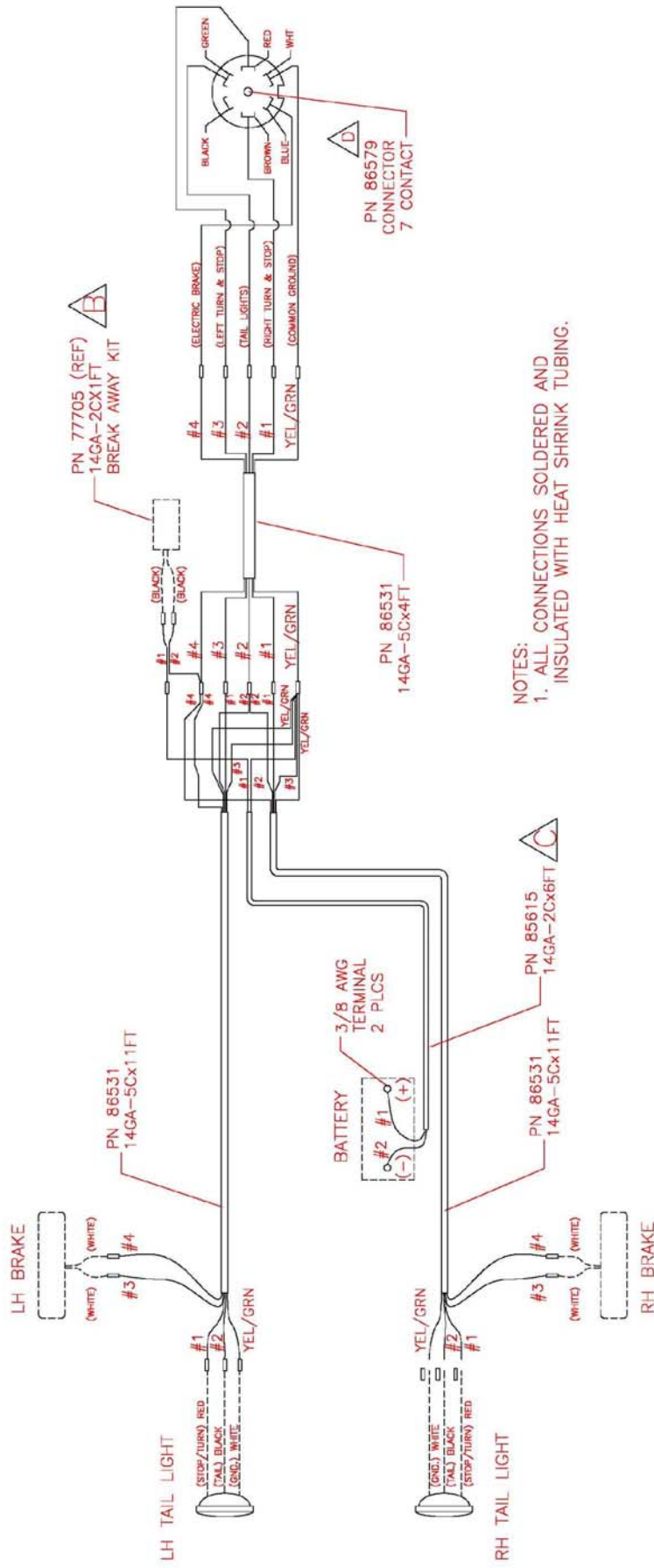
SECTION

PAGE

DRAWING NO. REV DATE
85997-10DWG - 3/5/10

B-SERIES





NOTES:
1. ALL CONNECTIONS SOLDERED AND INSULATED WITH HEAT SHRINK TUBING.

DO NOT SCALE DRAWING		CONCRETE PLACING EQUIPMENT	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.		CHINO, CA 91710	
D	3/19/07	ECN#12000	SK
C	08/11/02	ECN#596	HR
B	04/11/02	ECN#536	HR
A	03/12/02	ECN#490	HR
REV	DATE	DESCRIPTION	OF CHANGE
			BY
			APPROV
REVISIONS			
TITLE		PART NUMBER	
TRAILER HARNESS, A SERIES		BW10139	
MATERIAL		REV	
		D	
		SHEET 1 OF 1	

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APPLICATION NOTES:

The following connections are made through the REED Interface Cable, p/n HAR4002.

1. Remote Power Return

The system will provide a +12Vdc signal on pin 9 of the Reed connector when the remote handheld unit is turned ON.

2. Pump On/Off

The system provides a +12Vdc signal on pin 6 of the Reed connector when the remote Pump On button is pressed. When the Pump Off button on the remote is pressed, the +12Vdc signal is removed.

3. Pump Forward/Reverse

The system provides a latched +12Vdc signal on pin 7 when the Reverse button is pressed. When the Forward button is pressed, the +12Vdc signal is removed.

4. Engine Throttle

A +12Vdc voltage will be present (momentary operation) between pins 3 and 4 of the Reed connector when the Throttle Up button is pressed.
A negative 12Vdc voltage will be present on these same pins when the Throttle Down button is pressed.

5. Pump Stroke Change

A momentary +12Vdc signal will be placed on pin 8 of the Reed connector when the Volume Up button is pressed.

6. Horn

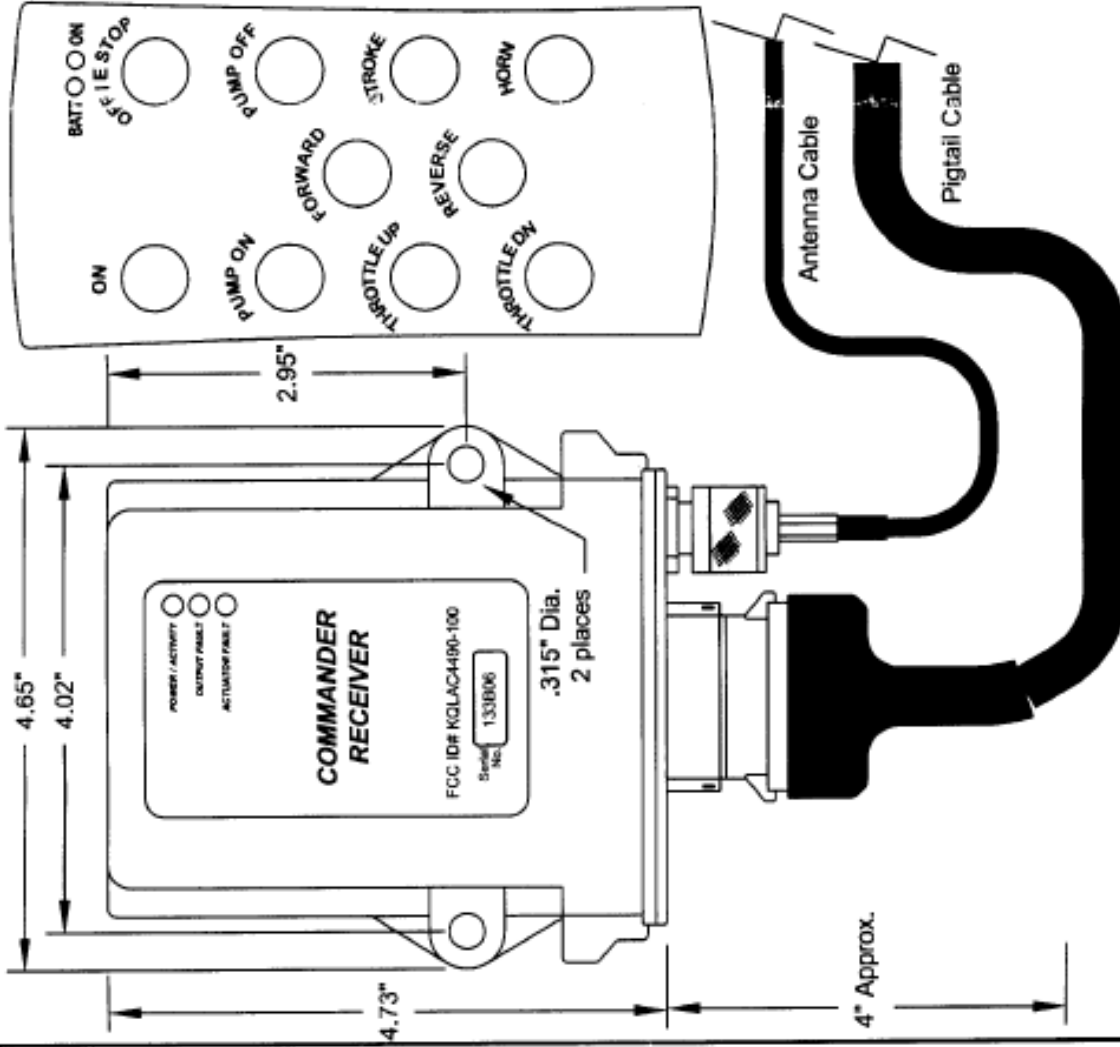
A momentary +12Vdc signal will be placed on pin 5 of the Reed connector when the Horn button is pressed.

7. Power Connections

System power must be provided through a keyed and fused +12VDC power source. The system must be fused with a 10 amp fuse.
The receiver must also be connected to a suitable electrical ground. These connections are made through the pins 1 and 2 of the Reed connector respectively.

8. Antenna Connection

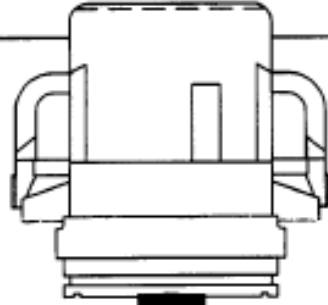
Mount the antenna to the top side of the concrete pumper cowling. Connect the antenna to the receiver using the supplied 5 foot coax cable.
Using cable ties, affix the cable to suitable locations to prevent flexing due to vibration. Excessive flexing can cause the internal conductor to suffer fatigue and break.



Title Concrete Pumper System REED Series A Type		
Size A	Number 20030	Rev 3
Date October 24, 2008	Drawn By MGS	
Filename 20030Ar3.dwg		
		Sheet 1 of 4

REED Series A Controller Unit

For specific detail on the connections to the Series A controller, please consult REED drawing No. 41-028-6-A and the table below.



REED Controller Connector



Interface Cable from **BASE** Receiver

SYSTEM CONNECTION

Base Pin #	Colour	Base Function	Reed Pin #	Reed Function
1	Blue	CH4 Output	9	Remote to Power Return
2	White	CH3 Output	5	Horn
3	Green	CH2 Output	7	Pump Reverse
4	Black/White	RS232 TX	N/C	-
5	Blue/Black	RS232 RX	N/C	-
6	Red	VBatt (Power In)	1	Remote Power
7	Green/Black	Bridges Output 2-1	8	Pump Stroke Change
8	Orange/Black	Bridges Output 2-2	N/C	-
9	Red/Black	Bridges Output 1-2	3	Throttle Down
10	White/Black	Bridges Output 1-1	4	Throttle Up
11	Orange	CH1 Output	6	Pump On
12	Black	GND	2	Remote GND

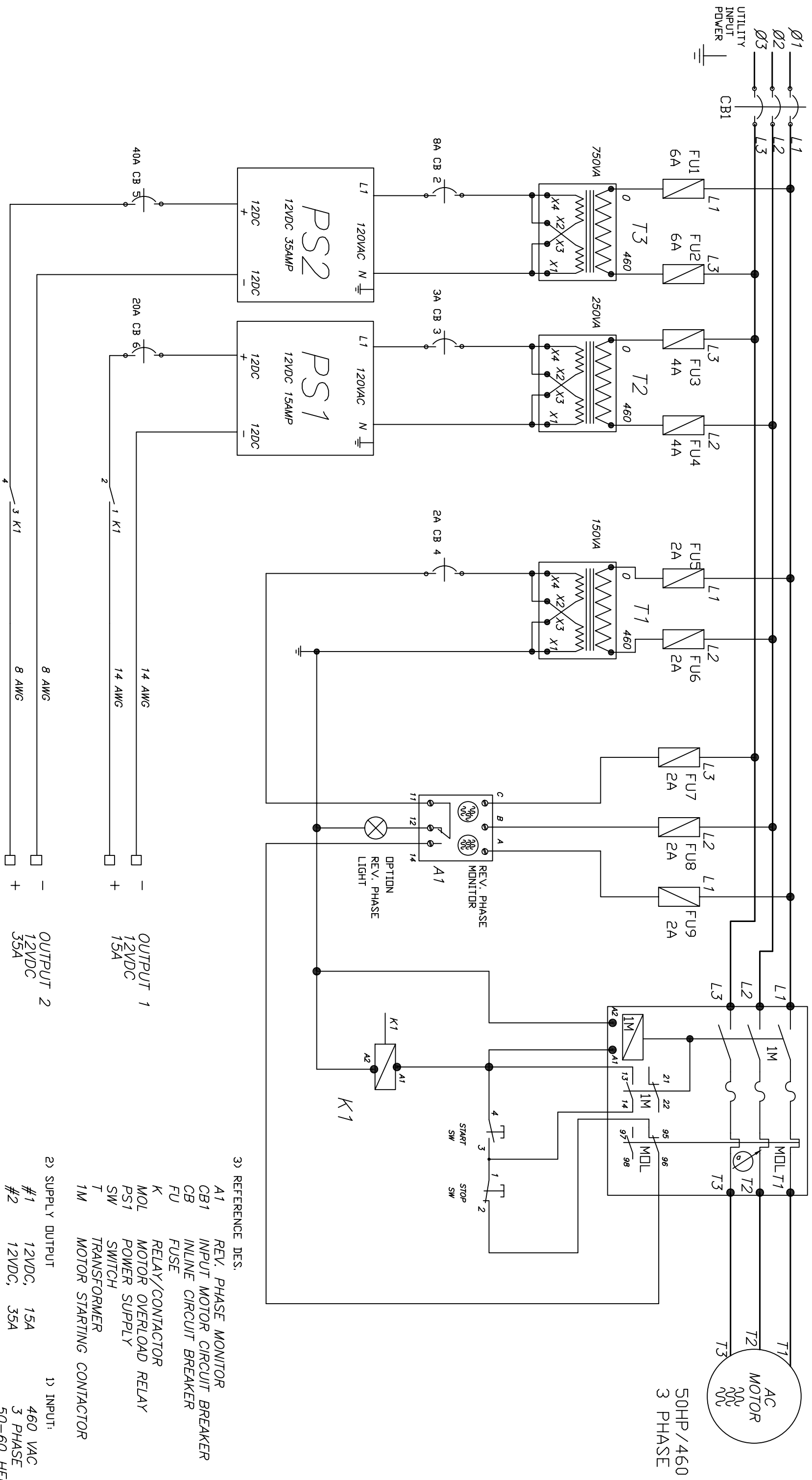
BASE ENGINEERING INC.
WIRELESS INDUSTRIAL CONTROLS

Title Concrete Pumper System
REED Series A Type

Size	Number	Rev
A	20030	3

Date	October 24, 2008	Drawn By	MGS
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Filename	20030Br3.dwg	Sheet	2 of 4
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3) REFERENCE DES.

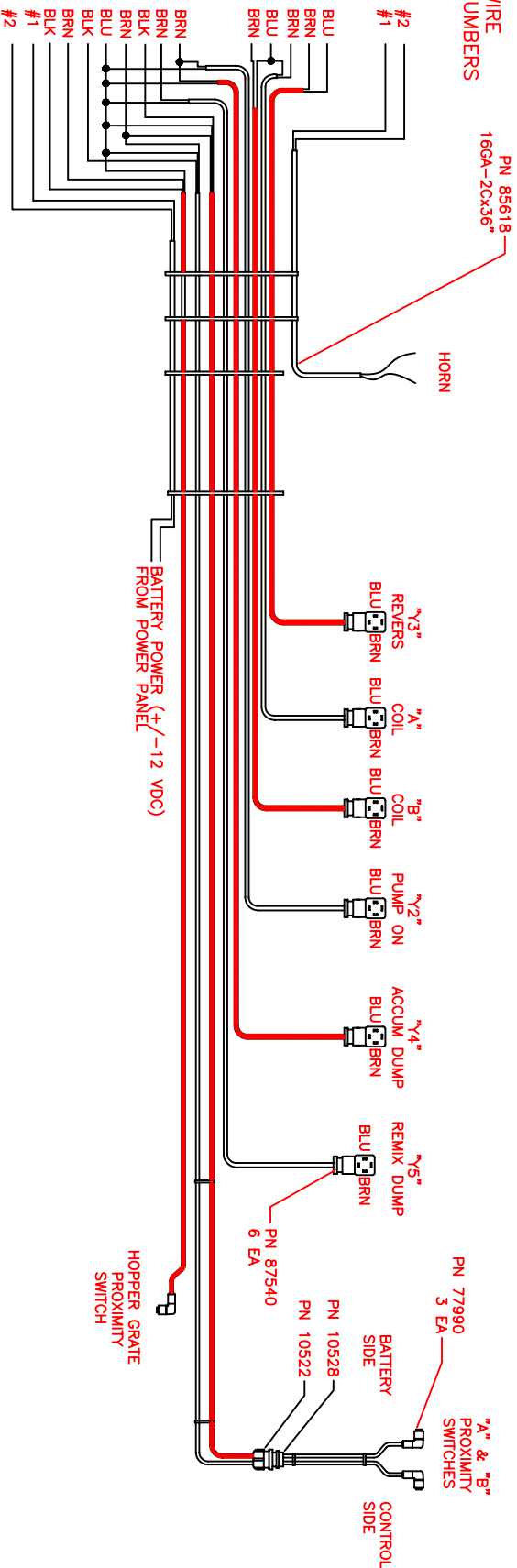
- A1 REV. PHASE MONITOR
- CB1 INPUT MOTOR CIRCUIT BREAKER
- CB INLINE CIRCUIT BREAKER
- FU FUSE
- K RELAY/CONTACTOR
- MOL MOTOR OVERLOAD RELAY
- PS1 POWER SUPPLY
- SW SWITCH
- T TRANSFORMER
- 1M MOTOR STARTING CONTACTOR

- 2) SUPPLY OUTPUT
- | | | |
|----|------------|---------|
| #1 | 12VDC, 15A | 460 VAC |
| #2 | 12VDC, 35A | 3 PHASE |
- 1) INPUT:
- 460 VAC
 3 PHASE
 50-60 HERTZ

DEUSCH CONNECTOR PARTS
 PLUG BW10145
 BOOT BW10146
 PINS BW10147

24 PIN WIRE
 PLUG NUMBERS
 X 1

- | | |
|---------------------|-----|
| HORN - | #20 |
| HORN + | #8 |
| RPM - | #13 |
| RPM + | #12 |
| REVERSE - | #19 |
| REVERSE + | #14 |
| COIL "A" | #6 |
| GROUND | #18 |
| COIL "B" | #7 |
| ACCUM DUMP + | #4 |
| REMIXER DUMP "B" | #15 |
| PROX SWITCH + | #11 |
| PROX SWITCH - | #9 |
| GROUND | #21 |
| PROX SWITCH "A" | #10 |
| PROX SWITCH + | #16 |
| PROX SWITCH "GRATE" | #17 |
| BATTERY + | #1 |
| GROUND | #22 |
| GROUND | #23 |
| GROUND | #24 |



BATTERY POWER (+/- 12 VDC)
 FROM POWER PANEL

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.		TOLERANCES: .XX .030 .XXX .010 FRACTION 1/32 ANGLE 1/2		DRAWN SK 1/30/08		APPROV	
TITLE REED CONCRETE PLACING EQUIPMENT CHINO, CA 91710		MATERIAL WIRING HARNESS, A SER, ELECTRIC		PART NUMBER BW10445-1		REV	
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DESCRIPTION OF CHANGE		BY		DATE		REV	