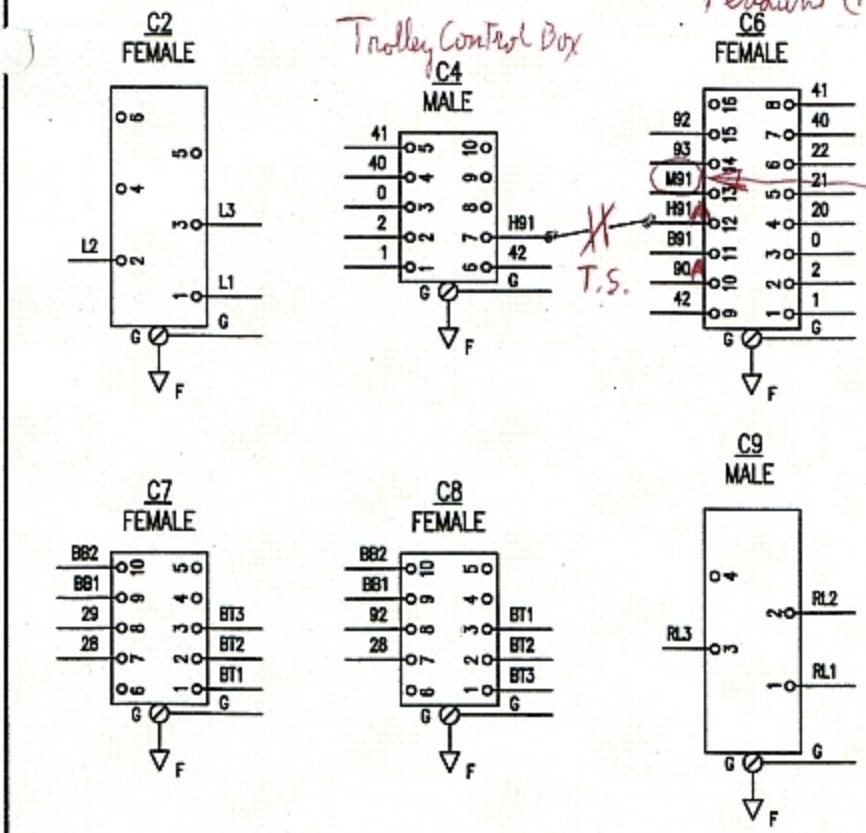
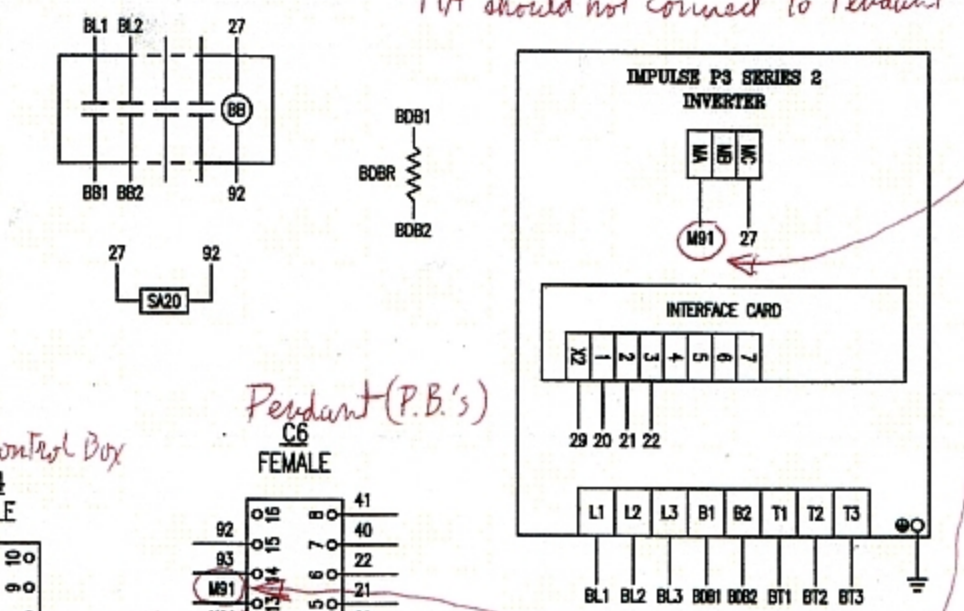
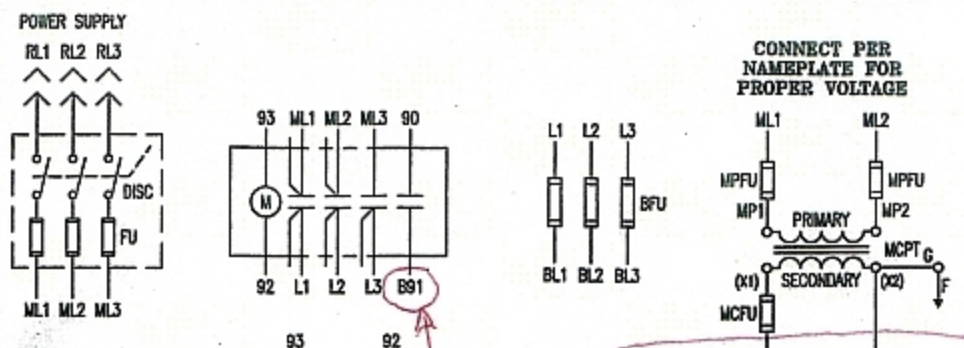


WIRE #	DEVICE CONNECTED
RL1	C9 DISC
RL2	C9 DISC
RL3	C9 DISC
ML1	C2 C2
ML2	C2 C2
ML3	C2 C2
MP1	M, MPFU
MP2	M, MPFU
M	M, BFU
BT1	BT1, BT2, BT3
BT2	BT1, BT2, BT3
BT3	BT1, BT2, BT3
C4	C4, C5, C6
C5	C4, C5, C6
C6	C4, C5, C6
SA90	SA90
SA20	SA20
BB1	BB
BB2	BB
BDB1	BB
BDB2	BB



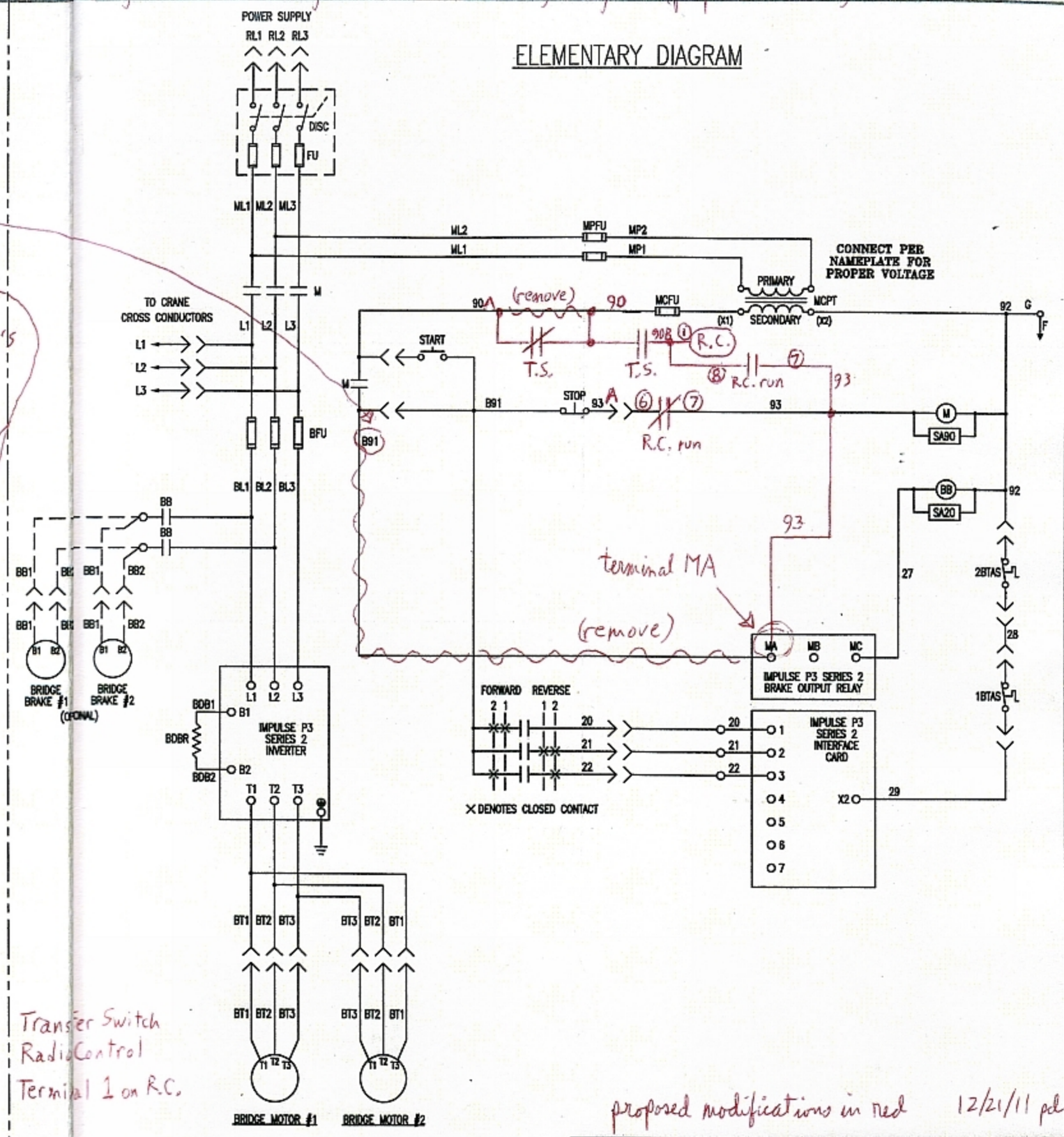
NOTE: THIS WIRING DIAGRAM SHOWS 2 SPEED CONTROL. THE INVERTER MAY BE PROGRAMMED MANY DIFFERENT WAYS. CONSULT THE IMPULSE P3 SERIES 2 MANUAL FOR ADDITIONAL PROGRAMMING FEATURES.

WARNING:
THIS EQUIPMENT MUST BE EFFECTIVELY GROUNDED ACCORDING TO APPLICABLE CODES.
AVERTISSEMENT:
CET EQUIPEMENT DOIT ETRE MIS A LA TERRE EN ACCORDANCE AVEC LES NORMES EN VIGUEUR.

- SYMBOL DESIGNATIONS**
- DISC - POWER DISCONNECT SWITCH
 - FU - MAIN FUSES
 - M - MAINLINE CONTACTOR
 - MPFU - TRANSFORMER PRIMARY FUSING
 - MCPT - CONTROL CIRCUIT TRANSFORMER
 - MCFU - CONTROL CIRCUIT FUSE
 - BFU - BRIDGE MOTOR CIRCUIT FUSING
 - BB - BRIDGE BRAKE RELAY
 - BDBR - BRIDGE DYNAMIC BRAKING RESISTOR
 - SA - SURGE ABSORBER
 - TB - TERMINAL BOARD
 - C - CONNECTOR
 - G - FRAME GROUND.
 - F - F
- FEMALE CONNECTOR << MALE CONNECTOR

T.S. Transfer Switch
R.C. RadioControl
① Terminal 1 on R.C.

ELEMENTARY DIAGRAM



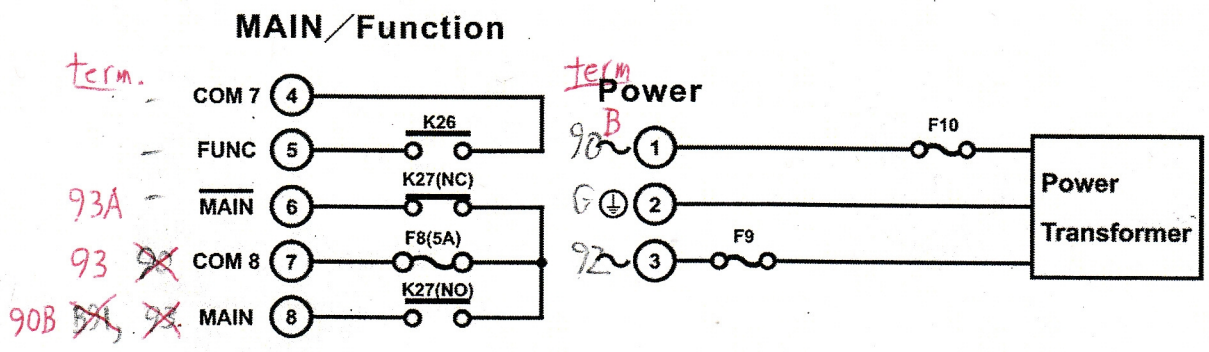
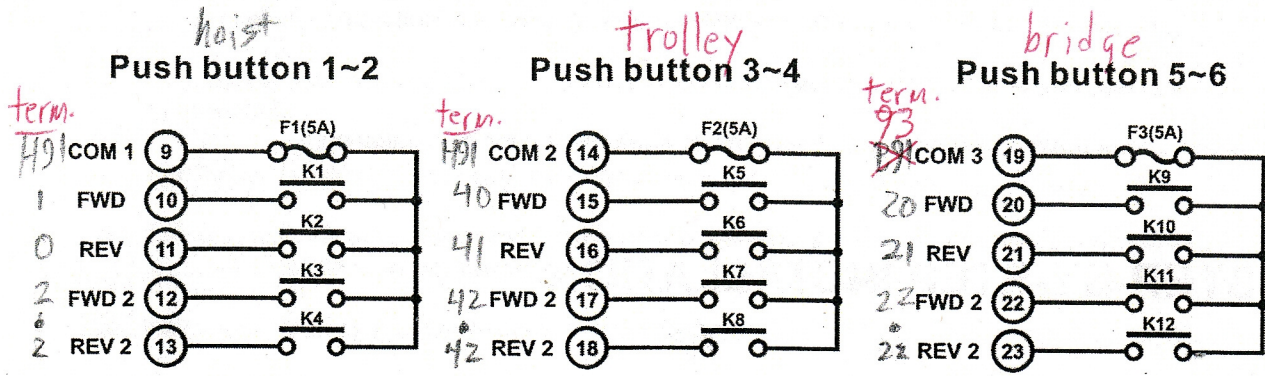
NO.	CHANGE	DATE	ITL	WIRING DIAGRAM	A.C.
				P3 SERIES 2 ADJUSTABLE FREQUENCY CONTROL	
				BRIDGE 2-SPEED	
				PLUG AND PLAY, W/ OPTIONAL BRAKES	
				SC. _____	
				DA. 04/10/02	
				DR. S.J.A.	
				CK.	

YALE LIFT-TECH
SHEET 1 OF 1 SHEETS
448989

proposed modifications in red 12/21/11 pl

Wiring Diagram: Bridge Control Box Terminals as connected to R.C.
6. Receiver Installation

A. OUTPUT RELAY CONTACT DIAGRAM



- * For 3-relay (shared 2nd speed) and 4-relay (separate 2nd speed) configurations please refer to page 19.
- * For 4-relay closed/closed and 4-relay opened/closed relay configurations please refer to page 20.
- * For 12~24VDC power supply, wire #1 corresponds to the negative charge (-) and wire #3 corresponds to the positive charge (+). Wire #2 is for GROUND.
- * Wire #6 is for "Normal Close" and wire #8 is for "Normal Open" MAIN output.

proposed modifications in red. 12/21/11 pd

W. M. Co. - Bridge Crane ***proposed control wiring modifications***

The following modifications are recommended:

1. CORRECT CONNECTION OF TERMINAL "MA"

Terminal "MA" is the Bridge Brake Input on the Bridge Motor Controller ("Impulse P3 Series 2"). When we got there (last Monday), MA was connected to terminal B91. However, the manufacturer's wiring diagram shows MA connected to B91 and/or M91; the diagram is self-contradictory and in error.

Terminal M91 connects exclusively to the festoon cable going to the Pendant pushbutton station. I can see no reason why the Bridge Brake Input should be connected to the Pendant.

- Disassemble Pendant; check if M91 is connected to any pushbuttons. Disconnect MA from B91; connect MA to 93. Check Bridge Brake for correct operation. (est. 1 hour)

2. REWIRE FOR DUAL CONTROL / INSTALL TRANSFER SWITCH

For safety reasons, you probably don't want any pushbuttons on the Pendant to be active, while the Radio Control is being used. For example, while one person is operating the crane with the Radio Control, you don't want anything to happen if someone else presses a button on the Pendant. Your options are:

a) No Transfer Switch

With Radio Control transmitter switched to "Off": all Pendant controls will work correctly (except for any existing defects with the pushbuttons). (Also, the Radio transmitter pushbuttons will do nothing.)

With Radio Control having been switched to "Start", then to "On": all Radio controls will work correctly. On the Pendant, the Bridge, Trolley, and Hoist pushbuttons will also work ("Start" and "Stop" pushbuttons will do nothing).

- Do minor rewire inside Bridge Control Box as needed. Reattach pendant. (est. 1-1/2 hours)

b) Install 2-Pole Transfer Switch (recommended)

With Transfer Switch set to "Pendant": all Pendant controls will work correctly (minus any existing defects). (All of the Radio transmitter switches and pushbuttons will do nothing.)

With Transfer Switch set to "Radio Control": all Radio transmitter controls will work correctly. On the Pendant, all of the pushbuttons will do nothing.

- Install transfer switch (D.P.D.T.) on Bridge Control Box. Reattach Pendant. (est. \$_____ + 2 hours)

3. INSTALL WARNING LIGHT(S) ?

- If desired, install Warning Light(s) on the top of the Bridge Control Box: one for "Bridge Crane Active" (red ?), and/or one for "Radio Control Active" (yellow ?) and/or one for "Pendant Active" (blue ?). (est. \$_____ + 1/2 hr., per light)