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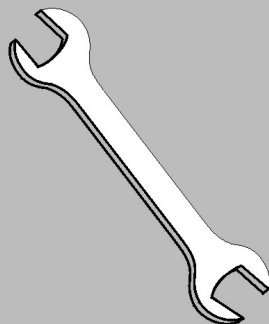


Kit Instruction—

KQEXTPHI02

KQEXTPHI04

KQEXTPHI05



Please Read

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This manual may contain references to "yellow pages." Although the pages containing troubleshooting procedures are no longer printed on yellow paper, troubleshooting instructions, if any, will be contained in the easily located "Troubleshooting" chapter or section. See the table of contents.

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M7E42 CENTRIFUGAL EXTRACTOR RETROFIT

LOOSE GOODS PHOTO EYE

Before beginning retrofit become familiar with and observe all safety precautions in the technical manual. Read and understand these instructions completely before beginning retrofit. Secure power and lock and tag out the extractor while working on the extractor. Also, inventory the parts received with the kit. The purpose of this retrofit is to keep goods from protruding from the basket opening before the onset of extract. If goods are protruding from the basket opening during drain speed the photo eye will sense the goods and jog the basket back and forth, three times. This is to draw the goods back into the basket and allowing the extractor to go into extract. The approximate time to complete this retrofit is nine and a half hours. Persons required, one.

First, tilt the extractor up to the full up position. Then place safety stands under the extractor hydraulic cylinders. For extractors loaded by a Cobuc open the extractor door. Secure power and lock and tag out the extractor. Remove old load chute photo eyes. Disconnect and remove the wiring and the hardware used to mount the photo eyes. Mark and drill the holes to mount the brackets and cover for the new photo eyes. The photo eye covers may stick out beyond the edge of the shell front. Drill the photo eye bracket holes using the 27/64ths and 5/16ths drill bits supplied. Tap the holes to mount photo eye brackets. Use the 3/8" 16 and 1/2" 13 taps supplied. Use cutting oil when using the tap to prevent the tap

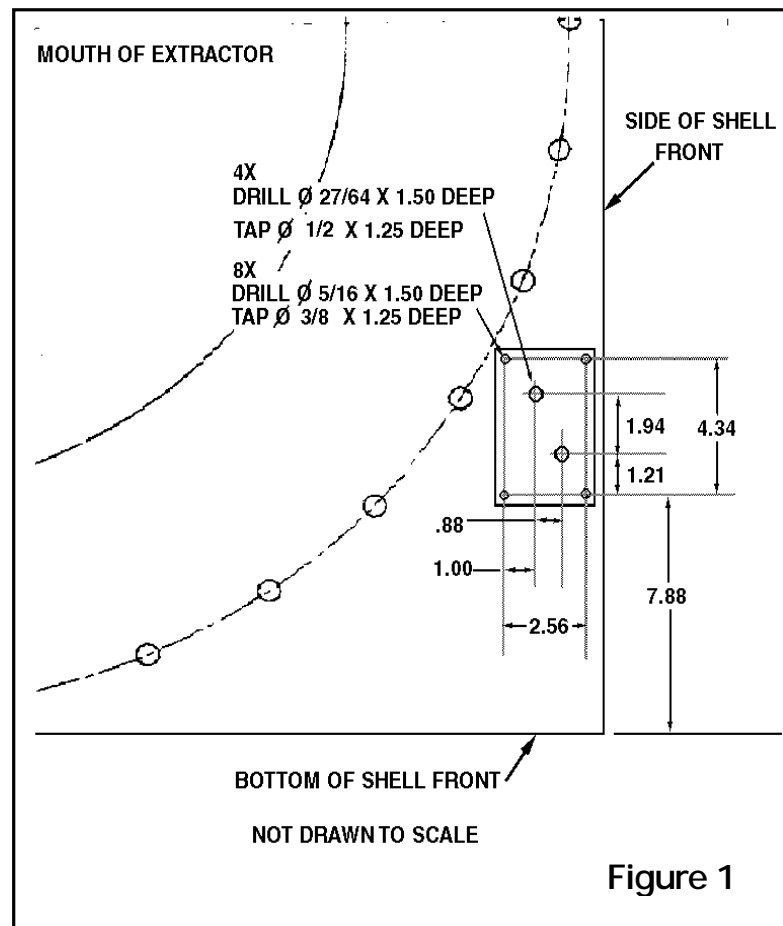
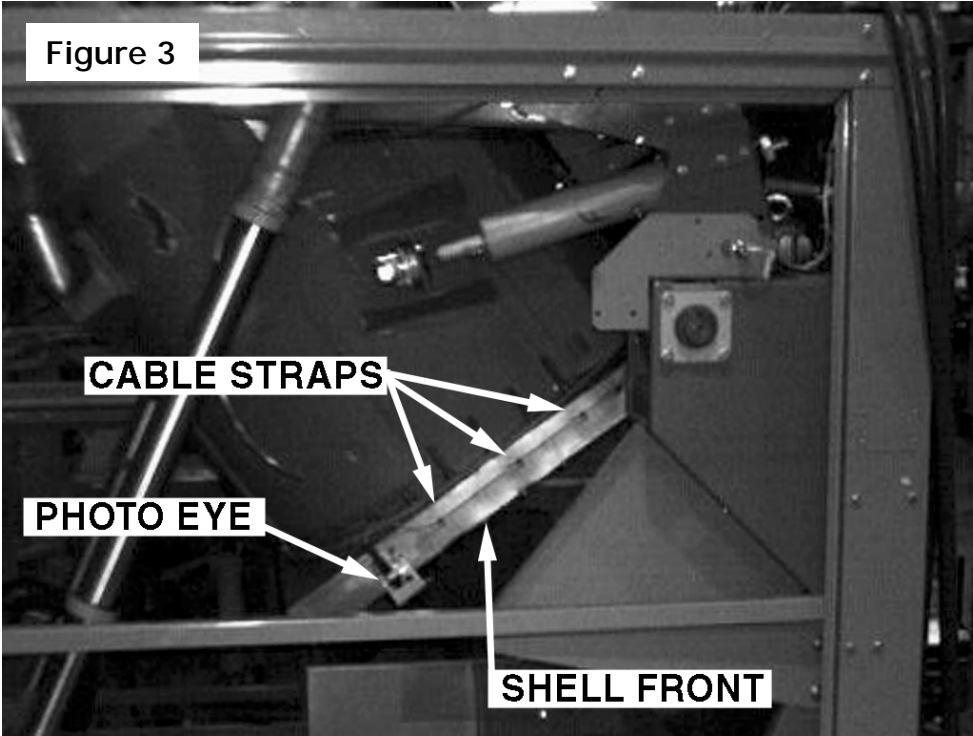
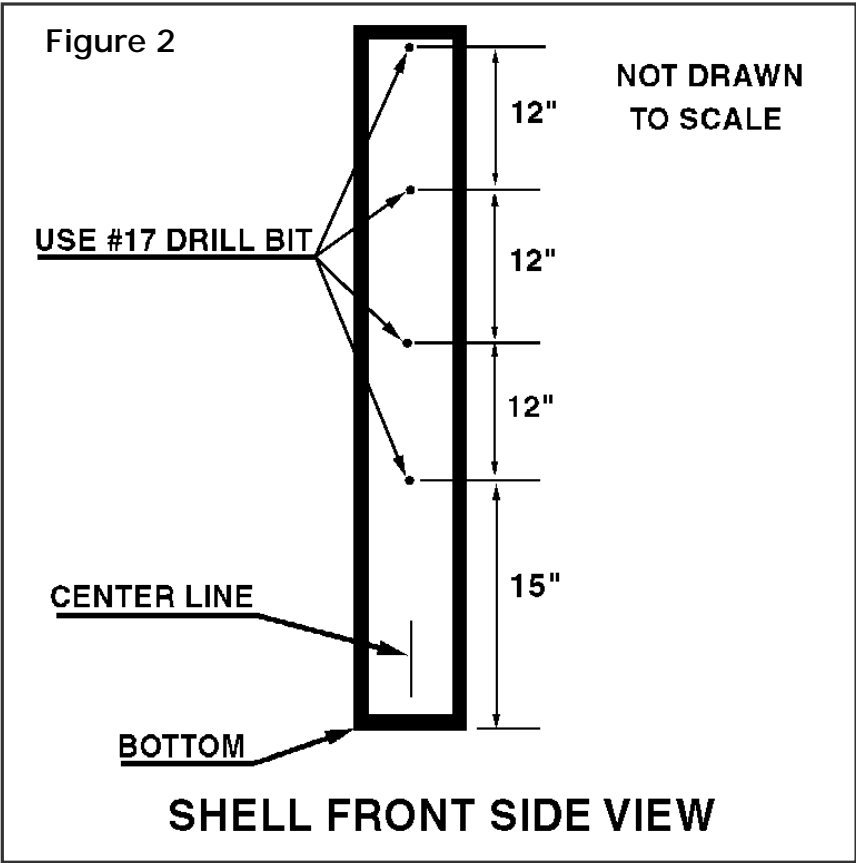
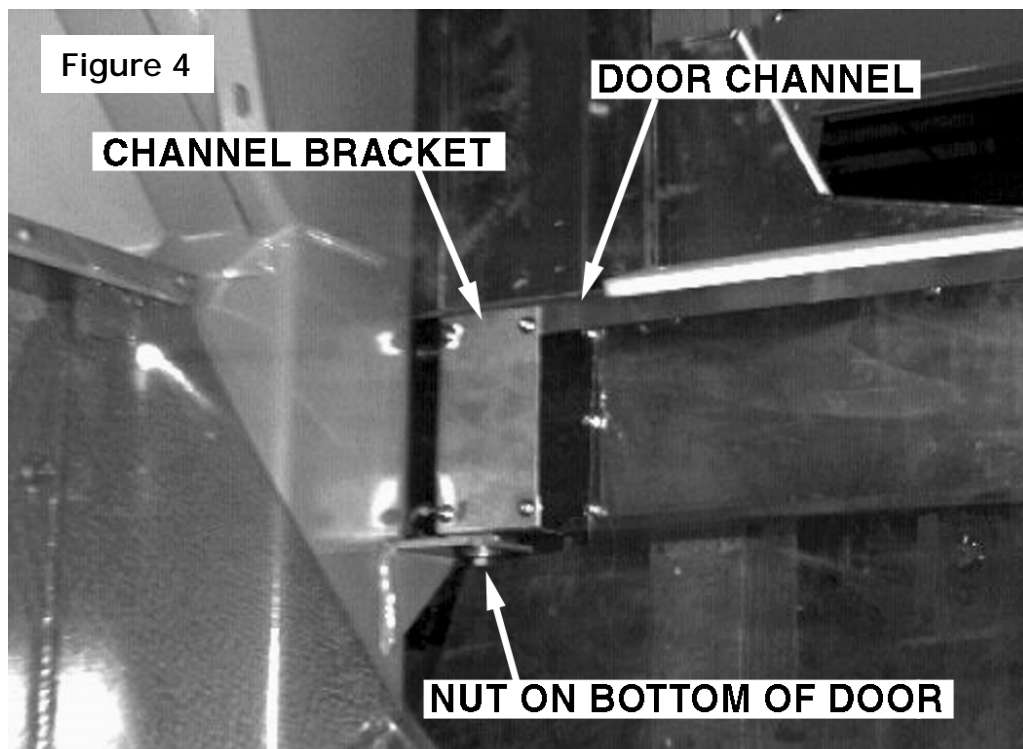


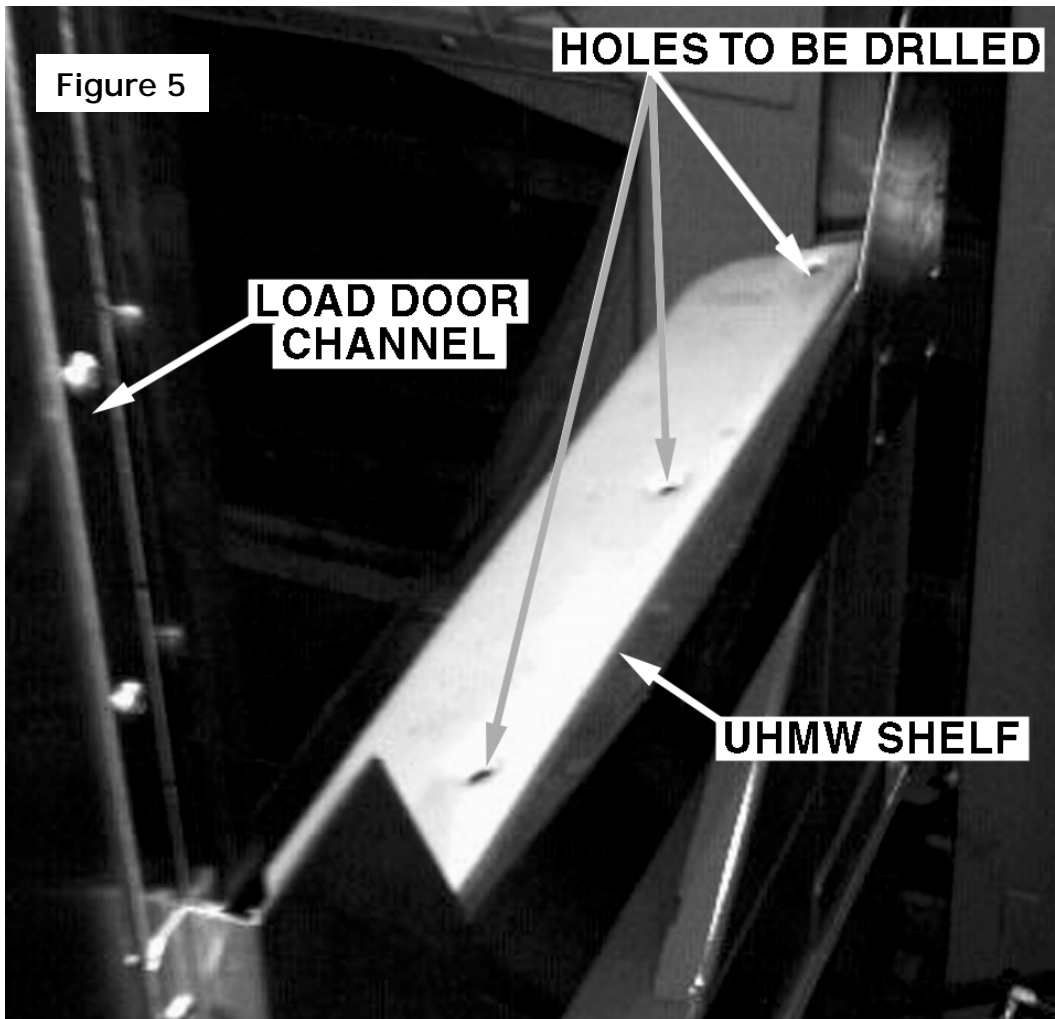
Figure 1

from breaking off in the hole. Also mark and drill the holes for the cable clamps. Refer to figures one, two and three.

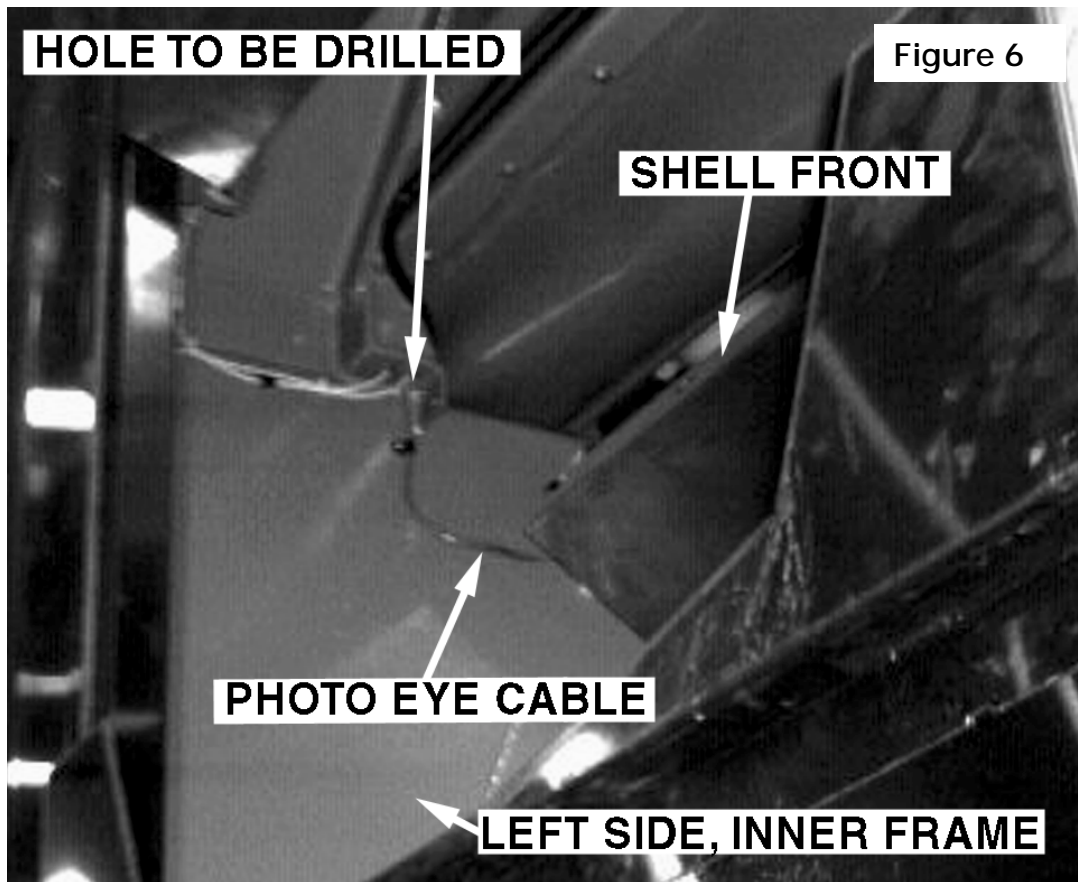


IF THE EXTRACTOR IS COBUC LOADED DO THIS STEP, OTHERWISE SKIP THIS STEP. Second, remove and replace the lower door frame channel and the brackets with the hardware supplied. With the door frame remaining on the extractor, remove the hardware that attaches the bottom of the door frame to the extractor. Remove the hardware for the lower door frame channel. Remove the bracket that holds the clear plastic sheet to the door frame. Pull the bottom of the door frame away from the extractor so that the lower door frame channel can be removed. Refer to figure three. Install the new lower door frame channel and reverse the process. Reinstall the clear plastic to the door frame. Next, mark and drill the holes to mount the UHMW shelf to the door frame channel. Install the UHMW shelf. Refer to figure four.





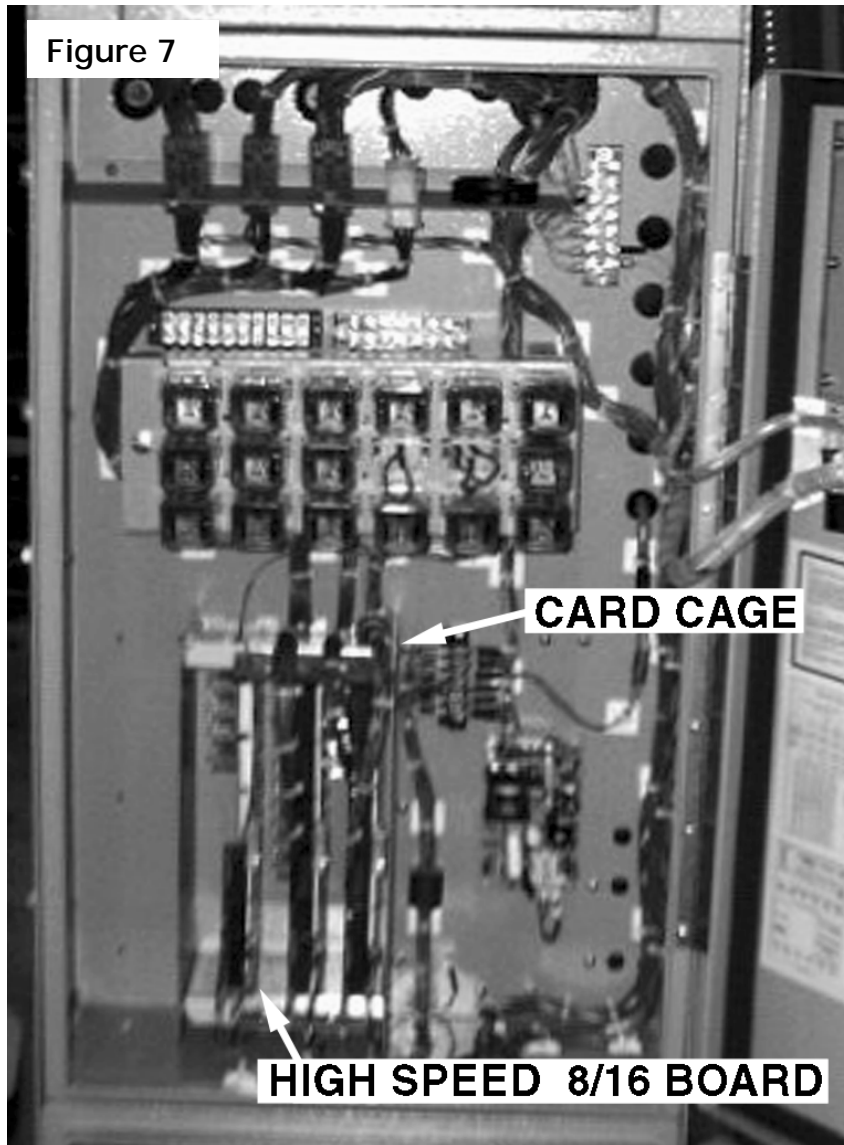
Third, mount the photo eye brackets using the hardware supplied. Mount the photo eyes to the brackets. Run the wires along the shell front using the hardware supplied. Drill holes in the frame of the extractor to run the photo eye cables to the top of the machine and into the upper electrical box. Refer to figure five. Put the extractor in the down position. Tag and lockout power. In the control box on top of the machine using a red female faston connector hook the brown wires from the photo eyes to TBZ blade 3. Also, using a red female faston connector hook the blue wires from the photo eyes to TBZ blade 4. Hook the black wire from the receiver photo eye to WCB pin 32. Refer to, Tag extractor controls, on the lid of the control box.



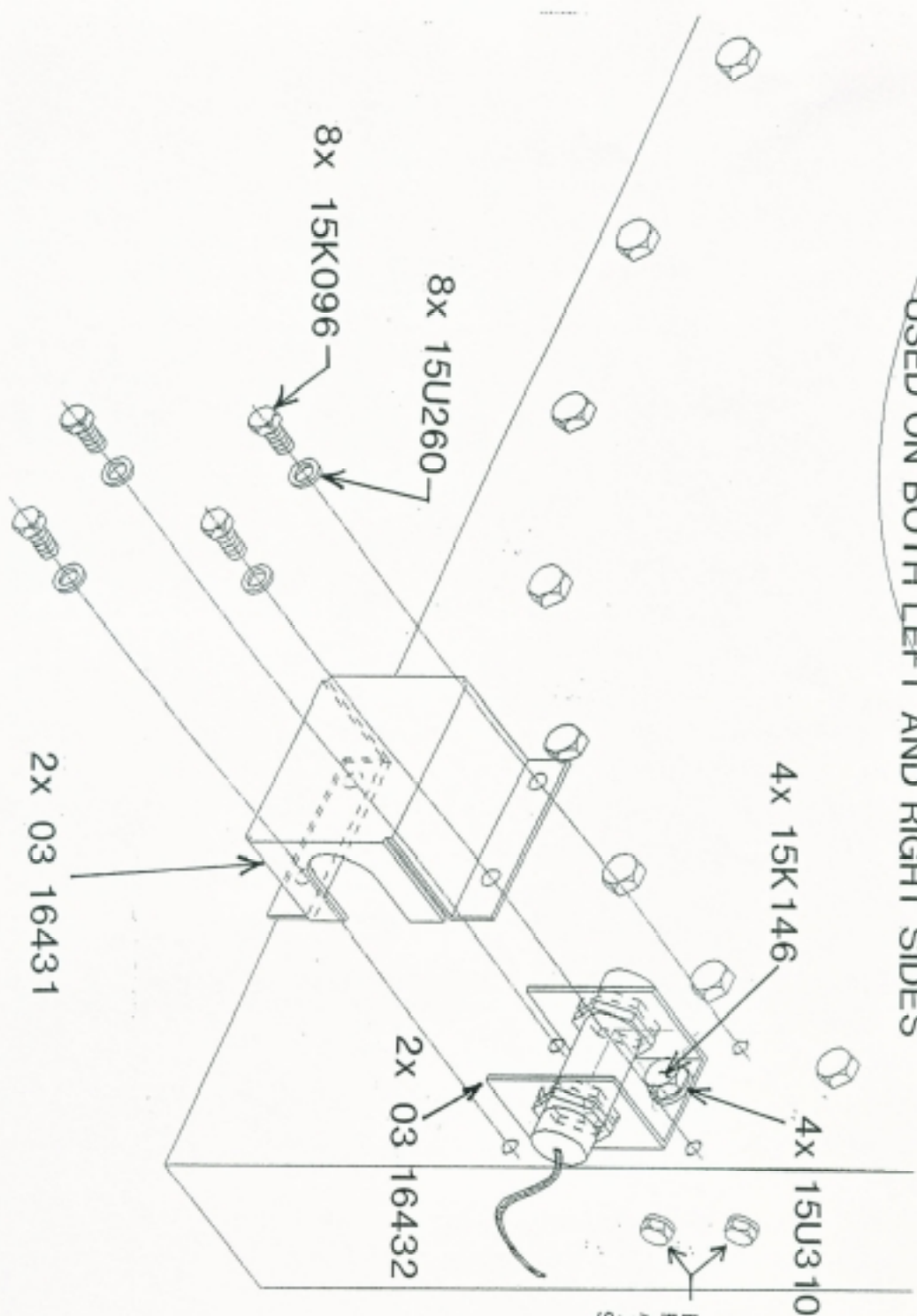
Forth, in the extractor controller, tag the MTA connector locations on the boards. Disconnect the connectors and remove the boards. Place the boards on a clean nonconducting safe surface. Remove old card cage and install the new one in its place. Install the old boards in the new card cage and reconnect the connectors accordingly. Set the third dip switch to ON and the rest OFF on the high speed 8/16 board supplied. Refer to schematic W6EXTBW. Using the schematics and the wire harness supplied, install the new high speed 8/16 board. Refer to figure six.

Finally, enter the configure decision for CW & CCW TURN TIME as 03 and CHECK LOAD EYE TIME as 3 seconds. The processor looks for the photo eye input for the last 3 seconds of drain speed. Test the extractor by placing a rag over the photo eye and run a formula on the extractor. The extractor should cycle two times and then on the third time it cycles the processor should display an error of "PHOTO EYE BLOCKED" OR "LOAD CHUTE BLOCKED" depending on how that individual extractor is configured. Then remove the rag and run a formula on the extractor. The extractor should then function as usual. Repeat the test process until satisfied of proper installation. If you have any questions please call Milnor technical support at (504) 467-9591 extension 7780.

Figure 7



RETROFIT FOR 42M7E SHELL-FRONT PHOTO-EYE BRACKET AND COVER
USED ON BOTH LEFT AND RIGHT SIDES

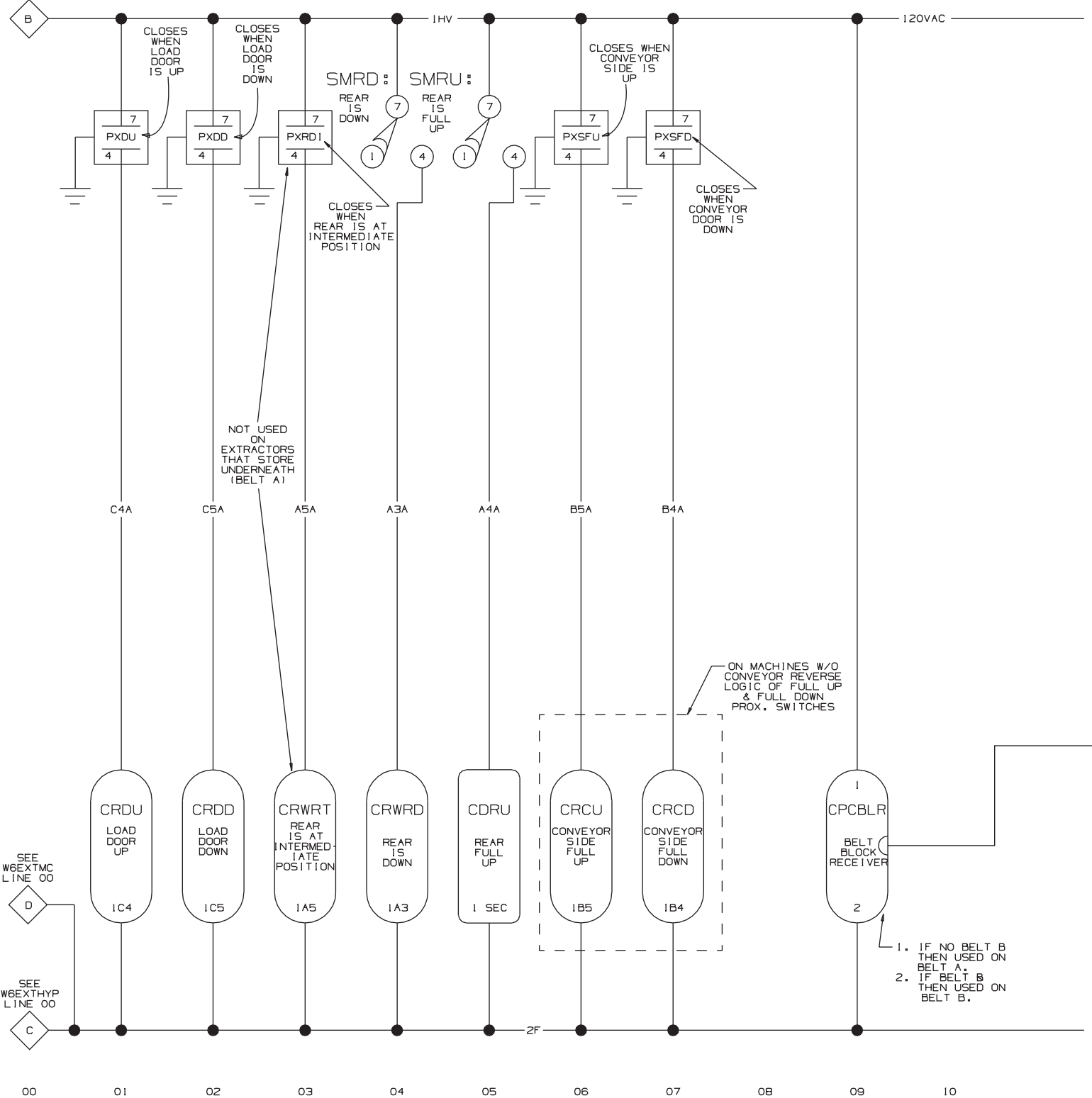


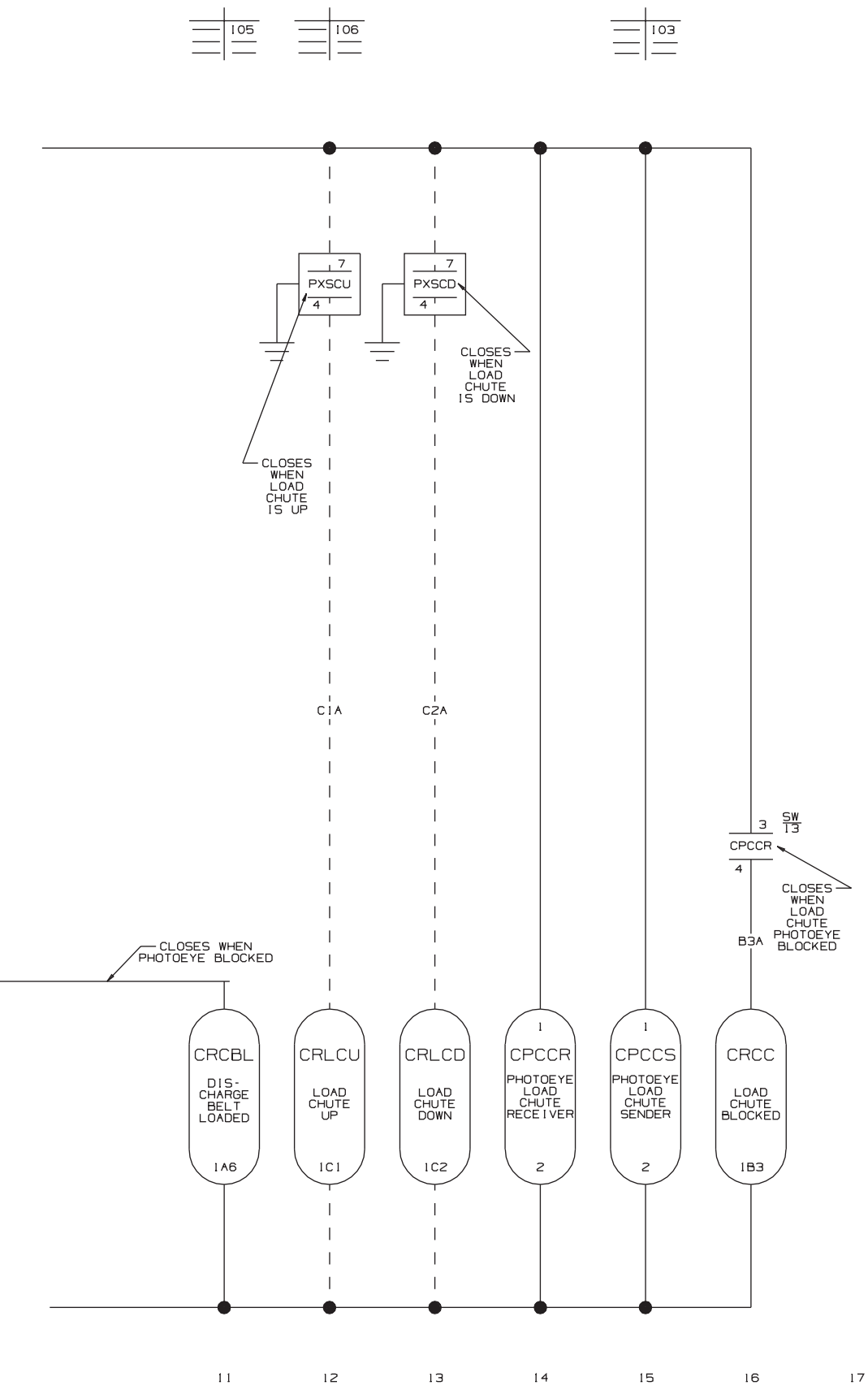
REMOVE EXISTING
PHOTO-EYE BRACKETS
AND REINSTALL EXIST
ING HARDWARE AS
SHOWN

RIGHT SIDE SHOWN

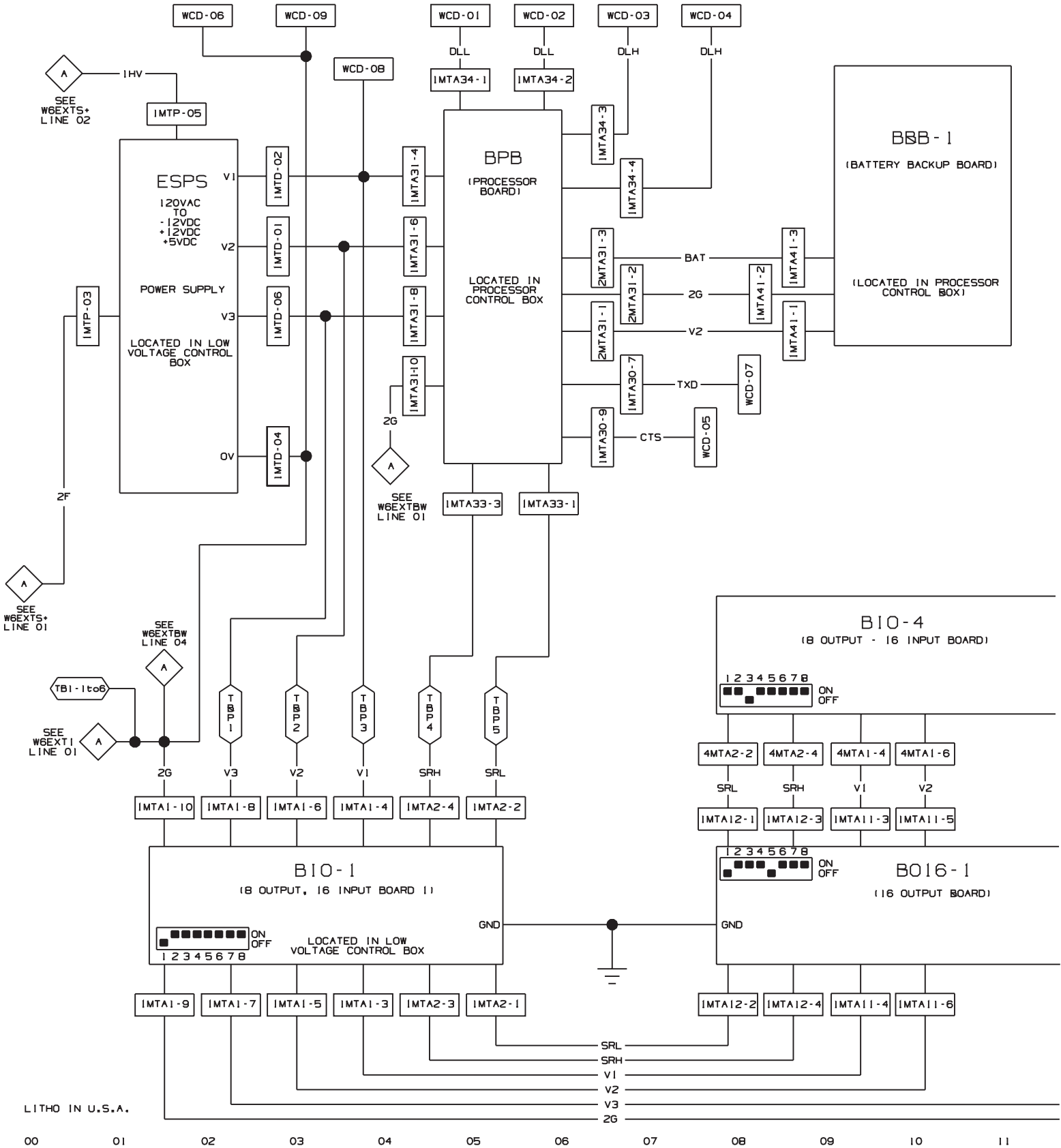
107 108 YP14 S+06 MC03 103 117 YPOB 116 102

SEE W6EXTS+ LINE 05



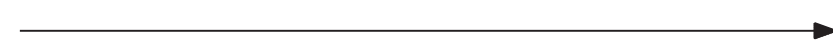


W6EXTSW
 MICRO 6 SYSTEMS
 SCHEMATIC: DOOR AND TILT SWITCHES
 110V1P50HZ/120V1P60HZ
 PELLERIN MILNOR CORPORATION

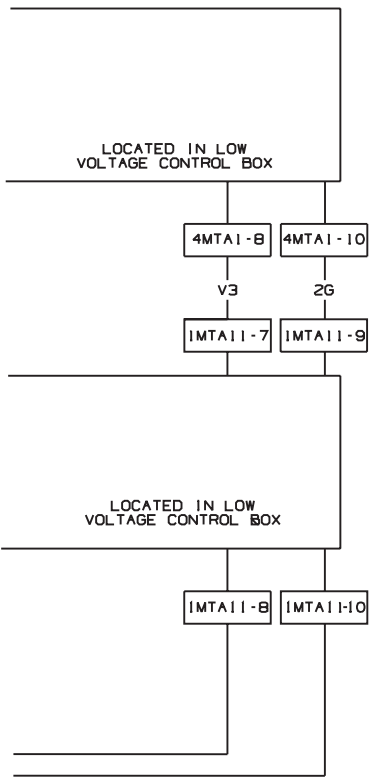


LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10 11



WIRE NO.	VOLTAGE	WIRE COLOR
V1	+5VDC	BLUE
V2	+12VDC	BLUE/ORANGE
V3	-12VDC	BLUE/BLACK
2G	GROUND	BLUE/WHITE
SRH	SERIAL HIGH	BLUE/RED
SRL	SERIAL LOW	BLUE/BLACK
INPUTS	-	BLUE/BLACK
-	24VAC	BLUE/RED
-	120VAC	RED
2F	CONTROL GROUND	RED/WHITE

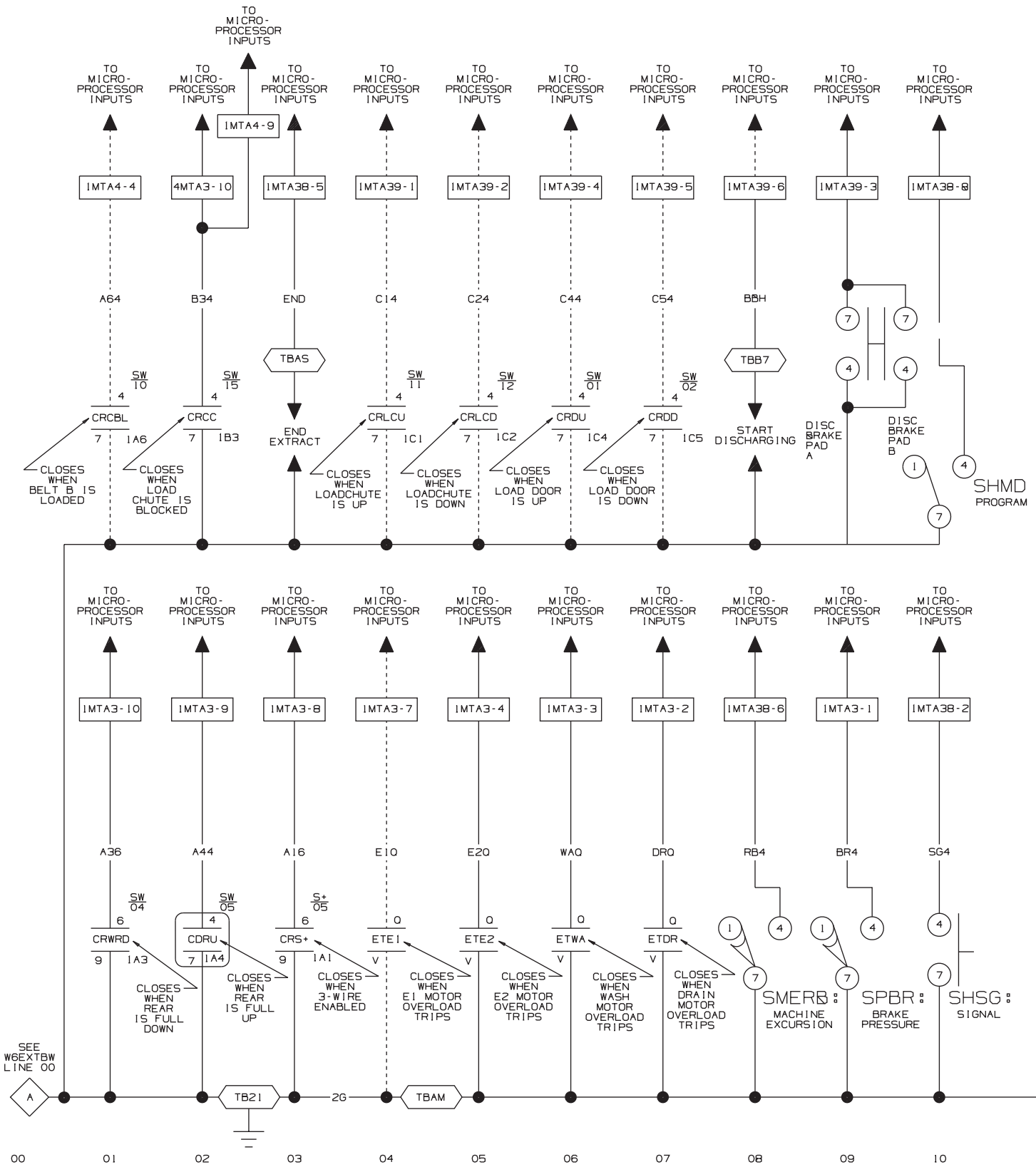


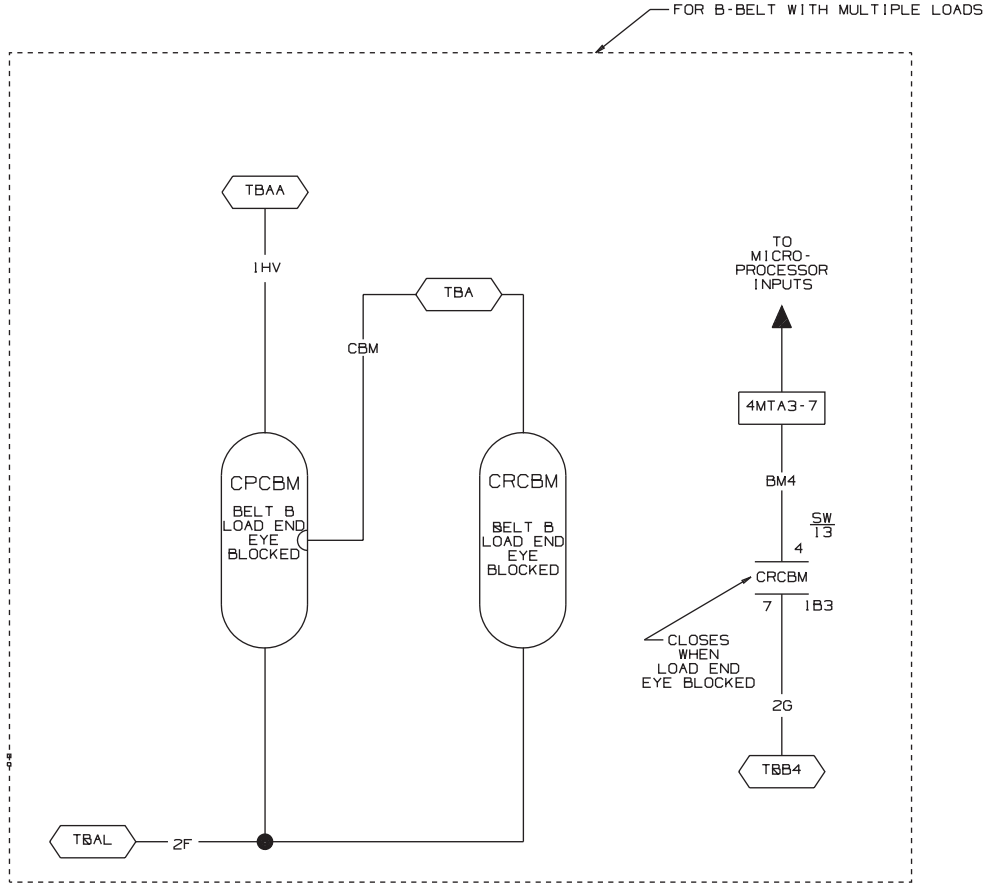
NOTES:

1. 1MTP, 1MTD ARE LOCATED ON ESPS (POWER SUPPLY).
2. 1MTA31, 1MTA33, 2MTA31 ARE LOCATED ON BPB (PROCESSOR BOARD).
3. 1MTA1, 1MTA2, ARE LOCATED ON B10-1 (8 OUTPUT-16 INPUT BOARD).
4. 1MTA11, 1MTA12 ARE LOCATED ON B016-1 (16 OUTPUT BOARD).
5. 1MTA41 IS LOCATED ON BBB-1 (BATTERY BACKUP BOARD).
6. WCD IS THE DOWN LOAD/PRINTER/MILDATA CONNECTOR.
7. TBP IS LOCATED IN THE LOW VOLTAGE CONTROL BOX.
8. TBI IS LOCATED IN THE PROCESSOR BOX.

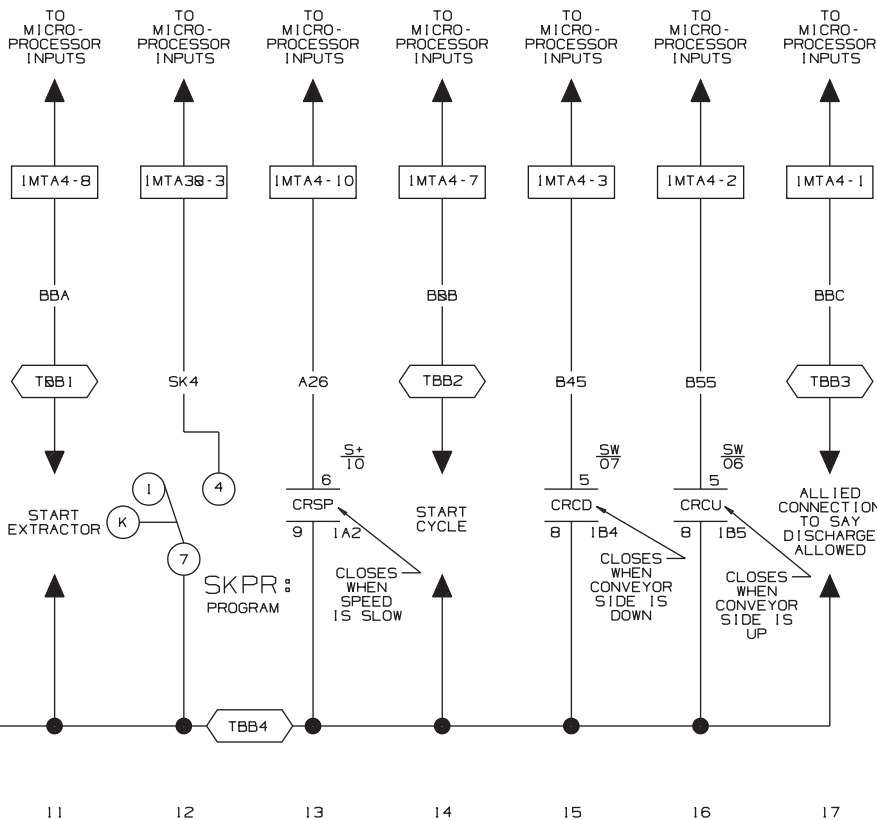
W6EXTBW

MICRO 6 SYSTEMS SERIAL CONTROLS
 SCHEMATIC: BOARD TO BOARD WIRING (SERIAL CONTROLS)
 110V1P50HZ/120V1P60HZ
 PELLERIN MILNOR CORPORATION





W6EXT1
MICRO 6 SYSTEMS
SCHEMATIC: INPUTS
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION



NOTE:

1. IMTA39 AND IMTA4 IS LOCATED ON BPM (BOBB PROCESSOR BOARD).
2. IMTA3 AND IMTA4 ARE LOCATED ON B10-1 (B OUTPUT, 16 INPUT BOARD).