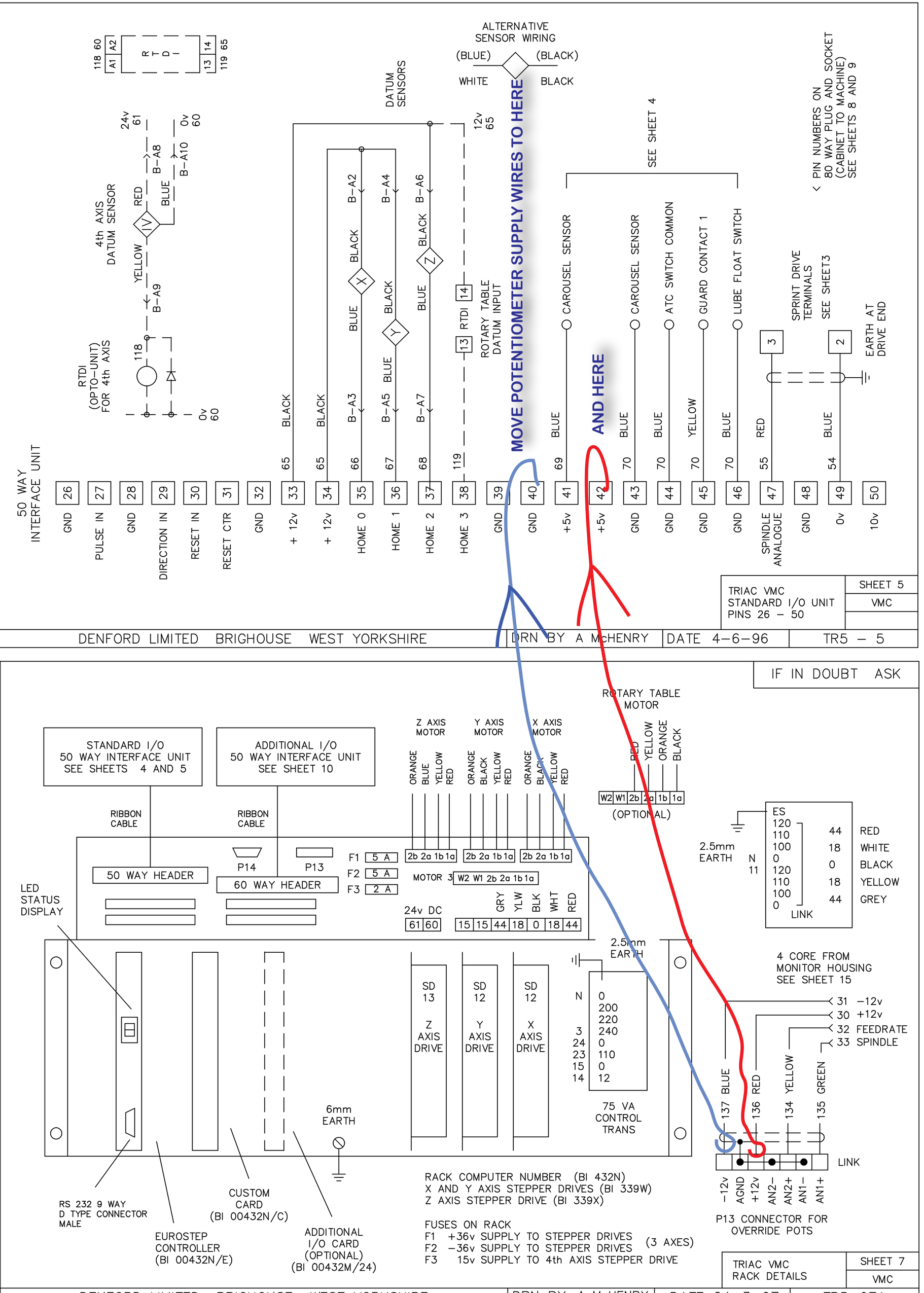

ALTERNATIVE SENSOR WIRING
(BLUE) (BLACK)
WHITE BLACK
DATUM SENSORS
MOVE POTENTIOMETER SUPPLY WIRES TO HERE
AND HERE
SEE SHEET 4
< PIN NUMBERS ON 80 WAY PLUG AND SOCKET (CABINET TO MACHINE) SEE SHEETS 8 AND 9
4th AXIS DATUM SENSOR
RTDI (OPTO-UNIT) FOR 4th AXIS
ROTARY TABLE DATUM INPUT
CAROUSEL SENSOR
ATC SWITCH COMMON
GUARD CONTACT 1
LUBE FLOAT SWITCH
SPRINT DRIVE TERMINALS SEE SHEET3
EARTH AT DRIVE END
50 WAY INTERFACE UNIT
GND
PULSE IN
DIRECTION IN
RESET IN
RESET CTR
+ 12v
HOME 0
HOME 1
HOME 2
HOME 3
+5v
SPINDLE ANALOGUE
0v
10v
TRIAC VMC STANDARD I/O UNIT PINS 26 – 50
SHEET 5
VMC
DENFORD LIMITED BRIGHOUSE WEST YORKSHIRE
DRN BY A McHENRY
DATE 4–6–96
TR5 – 5
IF IN DOUBT ASK
STANDARD I/O 50 WAY INTERFACE UNIT SEE SHEETS 4 AND 5
ADDITIONAL I/O 50 WAY INTERFACE UNIT SEE SHEET 10
RIBBON CABLE
50 WAY HEADER
60 WAY HEADER
P14
P13
LED STATUS DISPLAY
Z AXIS MOTOR
Y AXIS MOTOR
X AXIS MOTOR
ROTARY TABLE MOTOR
(OPTIONAL)
MOTOR 3
24v DC
2.5mm EARTH
ES
LINK
4 CORE FROM MONITOR HOUSING SEE SHEET 15
31 –12v
30 +12v
32 FEEDRATE
33 SPINDLE
SD 13 Z AXIS DRIVE
SD 12 Y AXIS DRIVE
SD 12 X AXIS DRIVE
75 VA CONTROL TRANS
6mm EARTH
RS 232 9 WAY D TYPE CONNECTOR MALE
EUROSTEP CONTROLLER (BI 00432N/E)
CUSTOM CARD (BI 00432N/C)
ADDITIONAL I/O CARD (OPTIONAL) (BI 00432M/24)
RACK COMPUTER NUMBER (BI 432N)
X AND Y AXIS STEPPER DRIVES (BI 339W)
Z AXIS STEPPER DRIVE (BI 339X)
FUSES ON RACK
F1 +36v SUPPLY TO STEPPER DRIVES
F2 –36v SUPPLY TO STEPPER DRIVES (3 AXES)
F3 15v SUPPLY TO 4th AXIS STEPPER DRIVE
P13 CONNECTOR FOR OVERRIDE POTS
TRIAC VMC RACK DETAILS
SHEET 7
VMC
DENFORD LIMITED BRIGHOUSE WEST YORKSHIRE
DRN BY A McHENRY
DATE 24–3–97
TR5–07A