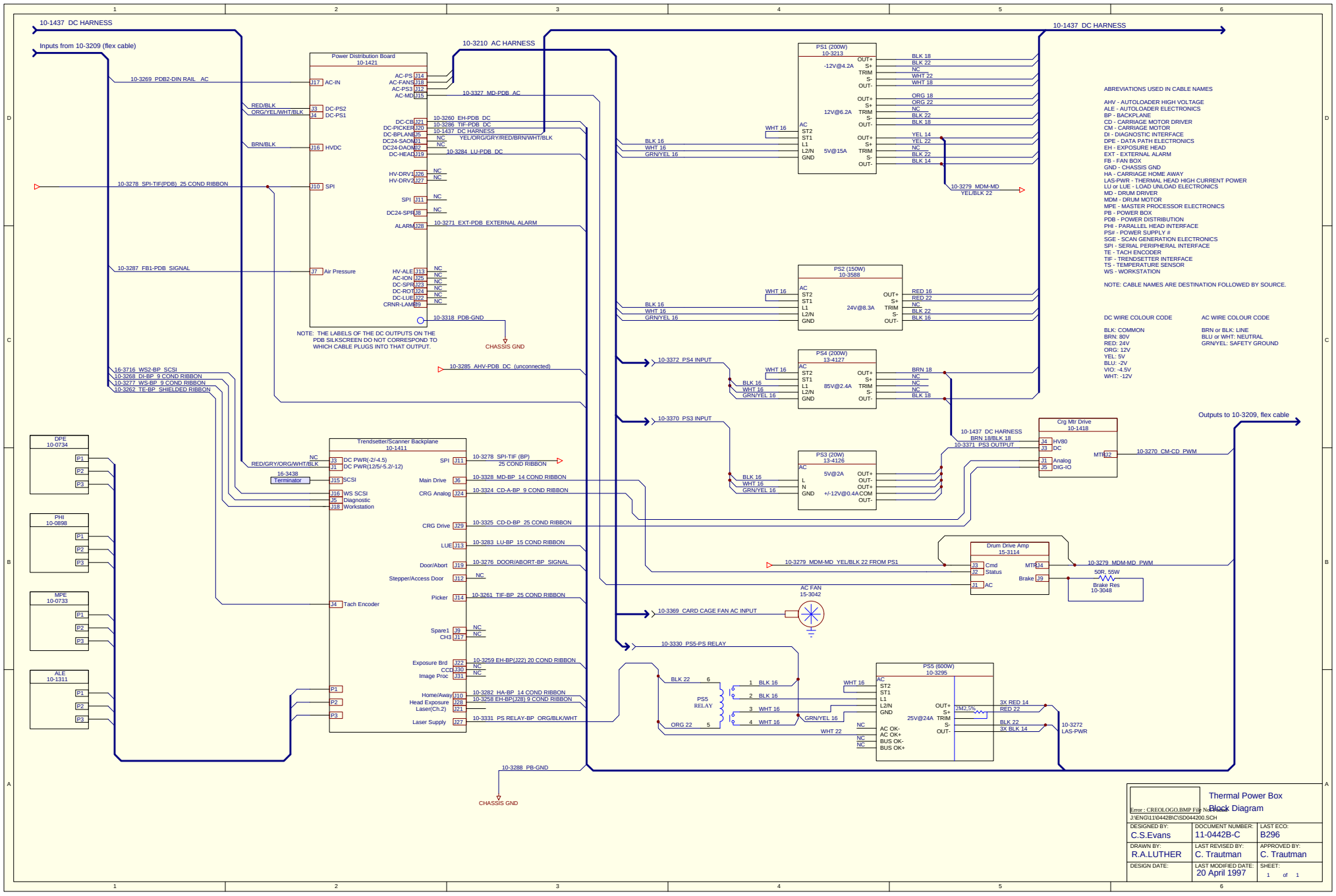
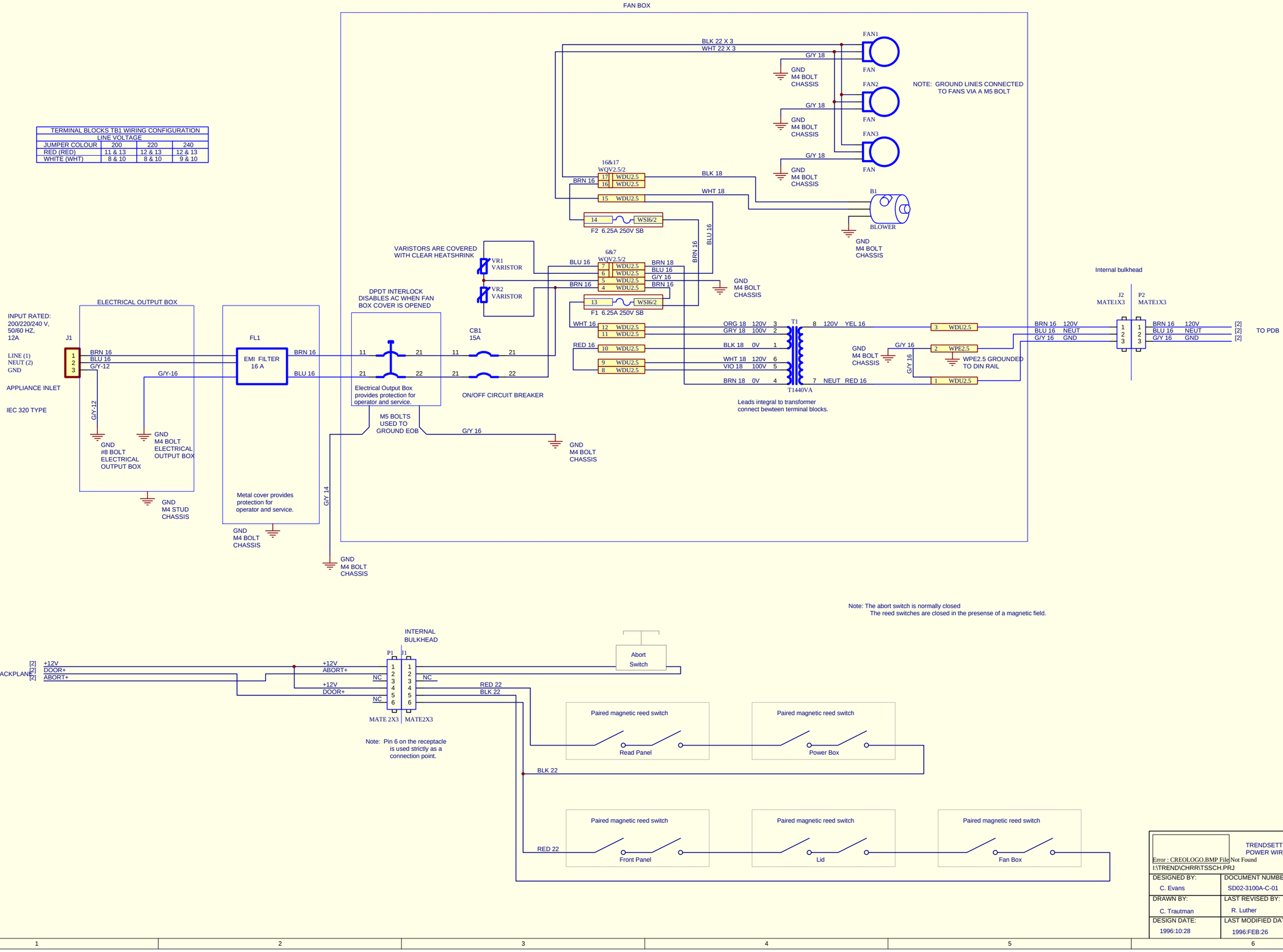

10-1437 DC HARNESS
Inputs from 10-3209 (flex cable)
10-3210 AC HARNESS
10-1437 DC HARNESS
Power Distribution Board
10-1421
10-3269 PDB2-DIN RAIL AC
AC-IN
AC-PS
AC-FANS
AC-PS3
AC-MD
10-3327 MD-PDB AC
RED/BLK
ORG/YEL/WHT/BLK
DC-PS2
DC-PS1
DC-CB
DC-PICKER
DC-BPLANE
DC24-SAON
DC24-DAON
DC-HEAD
10-3260 EH-PDB DC
10-3286 TIF-PDB DC
10-1437 DC HARNESS
YEL/ORG/GRY/RED/BRN/WHT/BLK
BRN/BLK
HVDC
10-3284 LU-PDB DC
HV-DRV1
HV-DRV2
10-3278 SPI-TIF(PDB) 25 COND RIBBON
SPI
DC24-SPR
ALARM
10-3271 EXT-PDB EXTERNAL ALARM
10-3287 FB1-PDB SIGNAL
Air Pressure
HV-ALE
AC-ION
DC-SPR
DC-ROT
DC-LUE
CRNR-LAMP
10-3318 PDB-GND
NOTE: THE LABELS OF THE DC OUTPUTS ON THE PDB SILKSCREEN DO NOT CORRESPOND TO WHICH CABLE PLUGS INTO THAT OUTPUT.
CHASSIS GND
10-3285 AHV-PDB DC (unconnected)
16-3716 WS2-BP SCSI
10-3268 DI-BP 9 COND RIBBON
10-3277 WS-BP 9 COND RIBBON
10-3262 TE-BP SHIELDED RIBBON
DPE
10-0734
PHI
10-0898
MPE
10-0733
ALE
10-1311
Trendsetter/Scanner Backplane
10-1411
RED/GRY/ORG/WHT/BLK
DC PWR(-2/-4.5)
DC PWR(12/5/-5.2/-12)
16-3438
Terminator
SCSI
WS SCSI
Diagnostic
Workstation
Tach Encoder
SPI
10-3278 SPI-TIF (BP) 25 COND RIBBON
Main Drive
10-3328 MD-BP 14 COND RIBBON
CRG Analog
10-3324 CD-A-BP 9 COND RIBBON
CRG Drive
10-3325 CD-D-BP 25 COND RIBBON
LUE
10-3283 LU-BP 15 COND RIBBON
Door/Abort
10-3276 DOOR/ABORT-BP SIGNAL
Stepper/Access Door
Picker
10-3261 TIF-BP 25 COND RIBBON
Spare1
CH3
Exposure Brd
CCD
Image Proc
10-3259 EH-BP(J22) 20 COND RIBBON
Home/Away
Head Exposure
Laser(Ch.2)
10-3282 HA-BP 14 COND RIBBON
10-3258 EH-BP(J28) 9 COND RIBBON
Laser Supply
10-3331 PS RELAY-BP ORG/BLK/WHT
10-3288 PB-GND
CHASSIS GND
PS1 (200W)
10-3213
-12V@4.2A
12V@6.2A
5V@15A
PS2 (150W)
10-3588
24V@8.3A
PS4 (200W)
13-4127
85V@2.4A
PS3 (20W)
13-4126
5V@2A
+/-12V@0.4A
10-3372 PS4 INPUT
10-3370 PS3 INPUT
10-3369 CARD CAGE FAN AC INPUT
AC FAN
15-3042
10-3330 PS5-PS RELAY
PS5 RELAY
PS5 (600W)
10-3295
25V@24A
2M2,5%
3X RED 14
RED 22
BLK 22
3X BLK 14
10-3272
LAS-PWR
10-3279 MDM-MD
YEL/BLK 22
10-3371 PS3 OUTPUT
Crg Mtr Drive
10-1418
HV80
DC
Analog
DIG-IO
MTR
10-3270 CM-CD PWM
Outputs to 10-3209, flex cable
Drum Drive Amp
15-3114
Cmd
Status
AC
Brake
10-3279 MDM-MD YEL/BLK 22 FROM PS1
10-3279 MDM-MD PWM
50R, 55W
Brake Res
10-3048
ABREVIATIONS USED IN CABLE NAMES
AHV - AUTOLOADER HIGH VOLTAGE
ALE - AUTOLOADER ELECTRONICS
BP - BACKPLANE
CD - CARRIAGE MOTOR DRIVER
CM - CARRIAGE MOTOR
DI - DIAGNOSTIC INTERFACE
DPE - DATA PATH ELECTRONICS
EH - EXPOSURE HEAD
EXT - EXTERNAL ALARM
FB - FAN BOX
GND - CHASSIS GND
HA - CARRIAGE HOME AWAY
LAS-PWR - THERMAL HEAD HIGH CURRENT POWER
LU or LUE - LOAD UNLOAD ELECTRONICS
MD - DRUM DRIVER
MDM - DRUM MOTOR
MPE - MASTER PROCESSOR ELECTRONICS
PB - POWER BOX
PDB - POWER DISTRIBUTION
PHI - PARALLEL HEAD INTERFACE
PS# - POWER SUPPLY #
SGE - SCAN GENERATION ELECTRONICS
SPI - SERIAL PERIPHERAL INTERFACE
TE - TACH ENCODER
TIF - TRENDSETTER INTERFACE
TS - TEMPERATURE SENSOR
WS - WORKSTATION
NOTE: CABLE NAMES ARE DESTINATION FOLLOWED BY SOURCE.
DC WIRE COLOUR CODE
BLK: COMMON
BRN: 80V
RED: 24V
ORG: 12V
YEL: 5V
BLU: -2V
VIO: -4.5V
WHT: -12V
AC WIRE COLOUR CODE
BRN or BLK: LINE
BLU or WHT: NEUTRAL
GRN/YEL: SAFETY GROUND
Thermal Power Box
Block Diagram
J:\ENG\11\0442B\C\SD044200.SCH
DESIGNED BY: C.S.Evans
DOCUMENT NUMBER: 11-0442B-C
LAST ECO: B296
DRAWN BY: R.A.LUTHER
LAST REVISED BY: C. Trautman
APPROVED BY: C. Trautman
DESIGN DATE:
LAST MODIFIED DATE: 20 April 1997
SHEET: 1 of 1

TERMINAL BLOCKS TB1 WIRING CONFIGURATION			
LINE VOLTAGE			
JUMPER COLOUR	200	220	240
RED (RED)	11 & 13	12 & 13	12 & 13
WHITE (WHT)	8 & 10	8 & 10	9 & 10

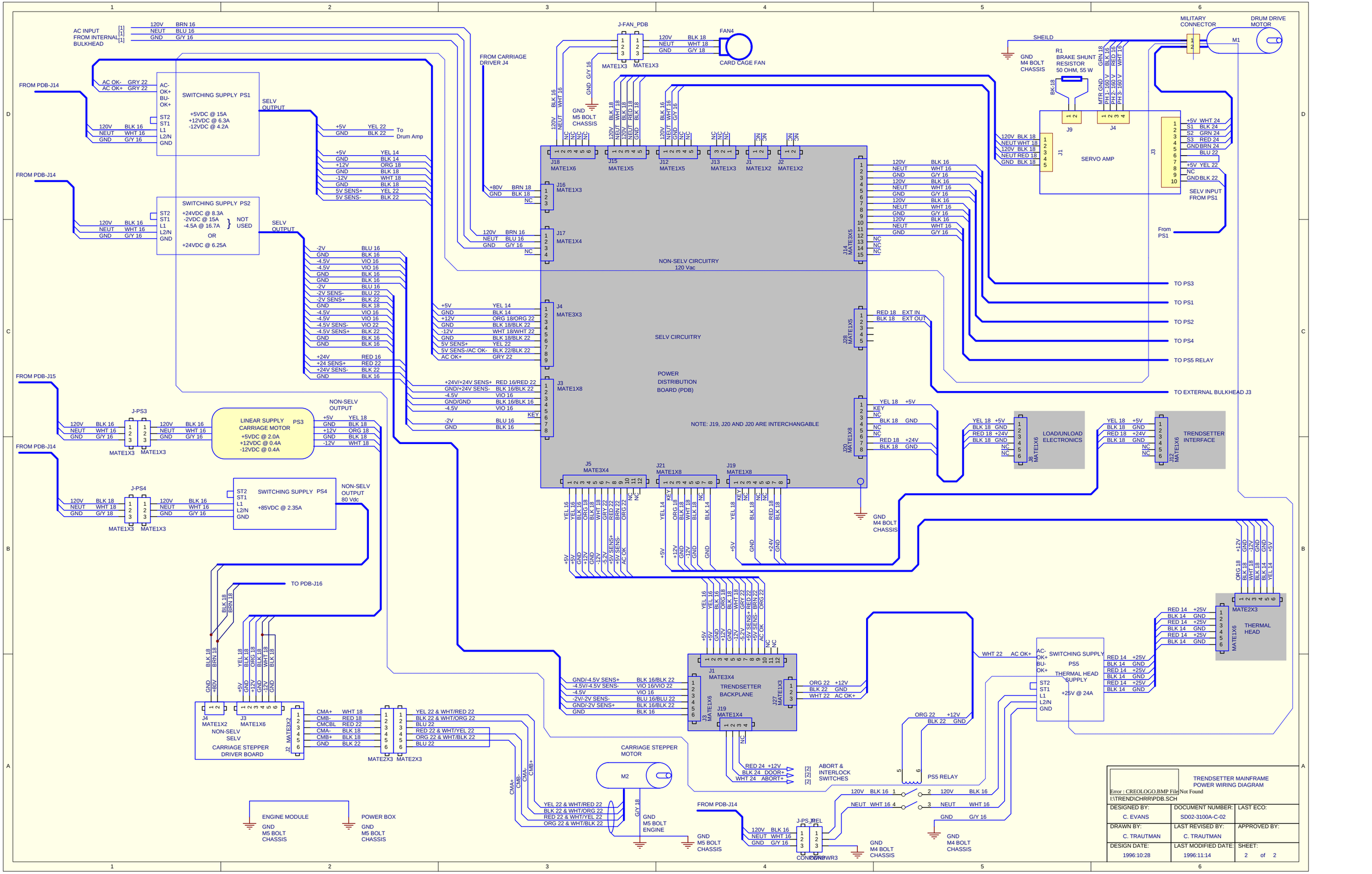


Note: The abort switch is normally closed
The reed switches are closed in the presense of a magnetic field.

Note: Pin 6 on the receptacle
is used strictly as a
connection point.

Name
PDB.SCH

Error : CREOLOGO.BMP File Not Found I:\TREND\CHRR\TSSCH.PRJ	TRENDSETTER3244 MAINFRAME POWER WIRING DIAGRAM	
DESIGNED BY: C. Evans	DOCUMENT NUMBER: SD02-3100A-C-01	LAST ECO:
DRAWN BY: C. Trautman	LAST REVISED BY: R. Luther	APPROVED BY:
DESIGN DATE: 1996:10:28	LAST MODIFIED DATE: 1996:FEB:26	SHEET: 1 of 2


AC INPUT FROM INTERNAL BULKHEAD
120V BRN 16
NEUT BLU 16
GND G/Y 16
FROM PDB-J14
SWITCHING SUPPLY PS1
+5VDC @ 15A
+12VDC @ 6.3A
-12VDC @ 4.2A
SELV OUTPUT
To Drum Amp
SWITCHING SUPPLY PS2
+24VDC @ 8.3A
-2VDC @ 15A
-4.5A @ 16.7A
NOT USED
OR
+24VDC @ 6.25A
FROM PDB-J15
J-PS3
MATE1X3
LINEAR SUPPLY CARRIAGE MOTOR PS3
+5VDC @ 2.0A
+12VDC @ 0.4A
-12VDC @ 0.4A
NON-SELV OUTPUT
J-PS4
SWITCHING SUPPLY PS4
+85VDC @ 2.35A
NON-SELV OUTPUT 80 Vdc
TO PDB-J16
J4 MATE1X2
J3 MATE1X6
NON-SELV
SELV
CARRIAGE STEPPER DRIVER BOARD
J2 MATE3X2
MATE2X3
CARRIAGE STEPPER MOTOR
M2
ENGINE MODULE
GND M5 BOLT CHASSIS
POWER BOX
GND M5 BOLT CHASSIS
FROM CARRIAGE DRIVER J4
J-FAN_PDB
MATE1X3
FAN4
CARD CAGE FAN
GND M5 BOLT CHASSIS
J18 MATE1X6
J15 MATE1X5
J12 MATE1X5
J13 MATE1X3
J1 MATE1X2
J2 MATE1X2
J16 MATE1X3
J17 MATE1X4
J4 MATE3X3
J3 MATE1X8
NON-SELV CIRCUITRY
120 Vac
SELV CIRCUITRY
POWER DISTRIBUTION BOARD (PDB)
NOTE: J19, J20 AND J20 ARE INTERCHANGABLE
J14 MATE3X5
J28 MATE1X5
J20 MATE1X8
J5 MATE3X4
J21 MATE1X8
J19 MATE1X8
J1 MATE3X4
TRENDSETTER BACKPLANE
J3 MATE1X6
J19 MATE1X4
J27 MATE1X3
ABORT & INTERLOCK SWITCHES
PS5 RELAY
MILITARY CONNECTOR
DRUM DRIVE MOTOR
M1
SHEILD
GND M4 BOLT CHASSIS
R1
BRAKE SHUNT RESISTOR 50 OHM, 55 W
J9
J4
J1
SERVO AMP
J3
SELV INPUT FROM PS1
From PS1
TO PS3
TO PS1
TO PS2
TO PS4
TO PS5 RELAY
TO EXTERNAL BULKHEAD J3
LOAD/UNLOAD ELECTRONICS
TRENDSETTER INTERFACE
J12 MATE1X6
THERMAL HEAD
MATE2X3
MATE1X6
SWITCHING SUPPLY PS5
THERMAL HEAD SUPPLY
+25V @ 24A
GND M4 BOLT CHASSIS
J-PS2 REL
CONTROL PWR3
GND M4 BOLT CHASSIS
TRENDSETTER MAINFRAME POWER WIRING DIAGRAM
Error : CREOLOGO.BMP File Not Found
I:\TREND\CHRR\PDB.SCH
DESIGNED BY: C. EVANS
DOCUMENT NUMBER: SD02-3100A-C-02
LAST ECO:
DRAWN BY: C. TRAUTMAN
LAST REVISED BY: C. TRAUTMAN
APPROVED BY:
DESIGN DATE: 1996:10:28
LAST MODIFIED DATE: 1996:11:14
SHEET: 2 of 2