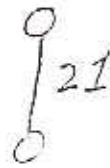
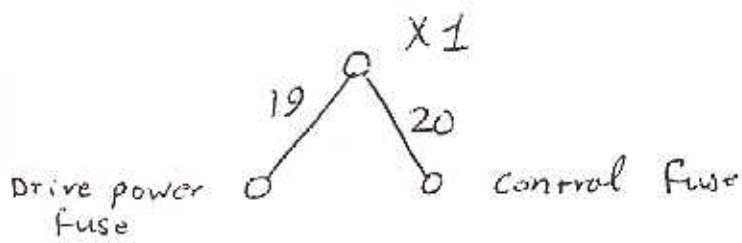
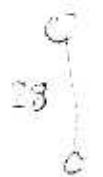
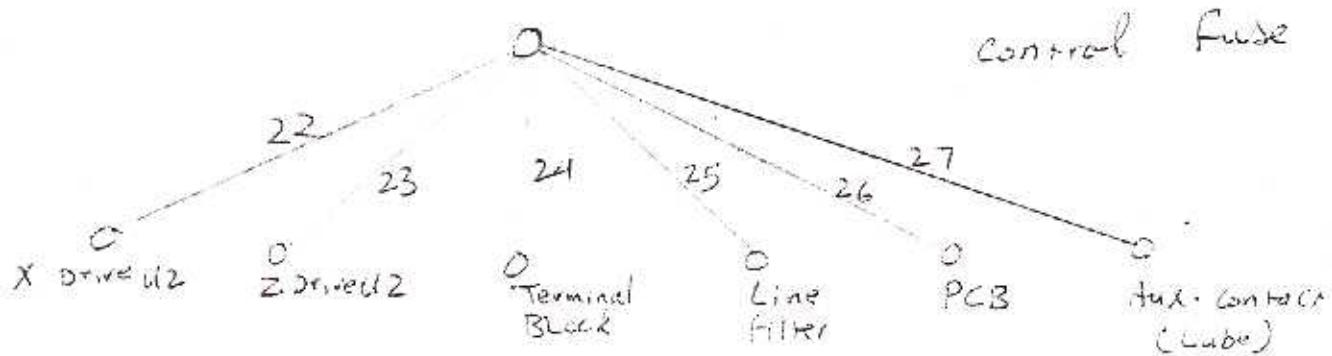


Transformer Secondary

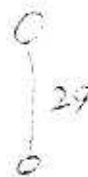


Drive power Fuse

Aux. Contact on main contactor



X axis U1

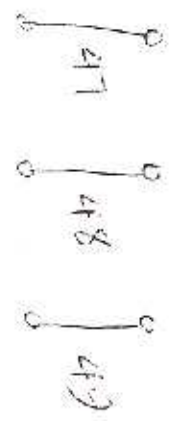


Z axis U1

Aux. Contact on main contactor

AK

Jan 26, 2001



chip converter contactor
Coolant Pump



DISCONNECT

Main Fuse

Main Contactor

INVERTER



Main Fuse

Transformer Fuse

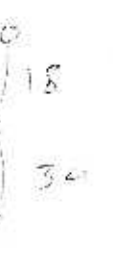
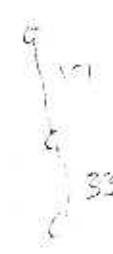
Transformer Primary



Main Fuse

Coolant Fuse

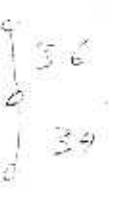
Coolant Contactor



Main Fuse

Fan Fuse

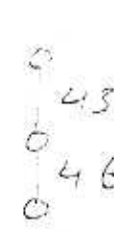
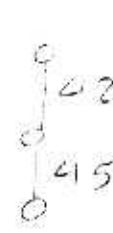
FAN (220)



Main Fuse

Hydraulic Fuse

Hydraulic Contactor

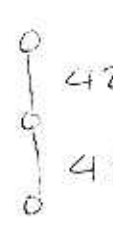
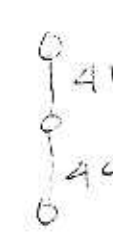


Main Contactor

Turret Fuse

Turret Contactor

Single phase Machine
with Turret



Main Contactor

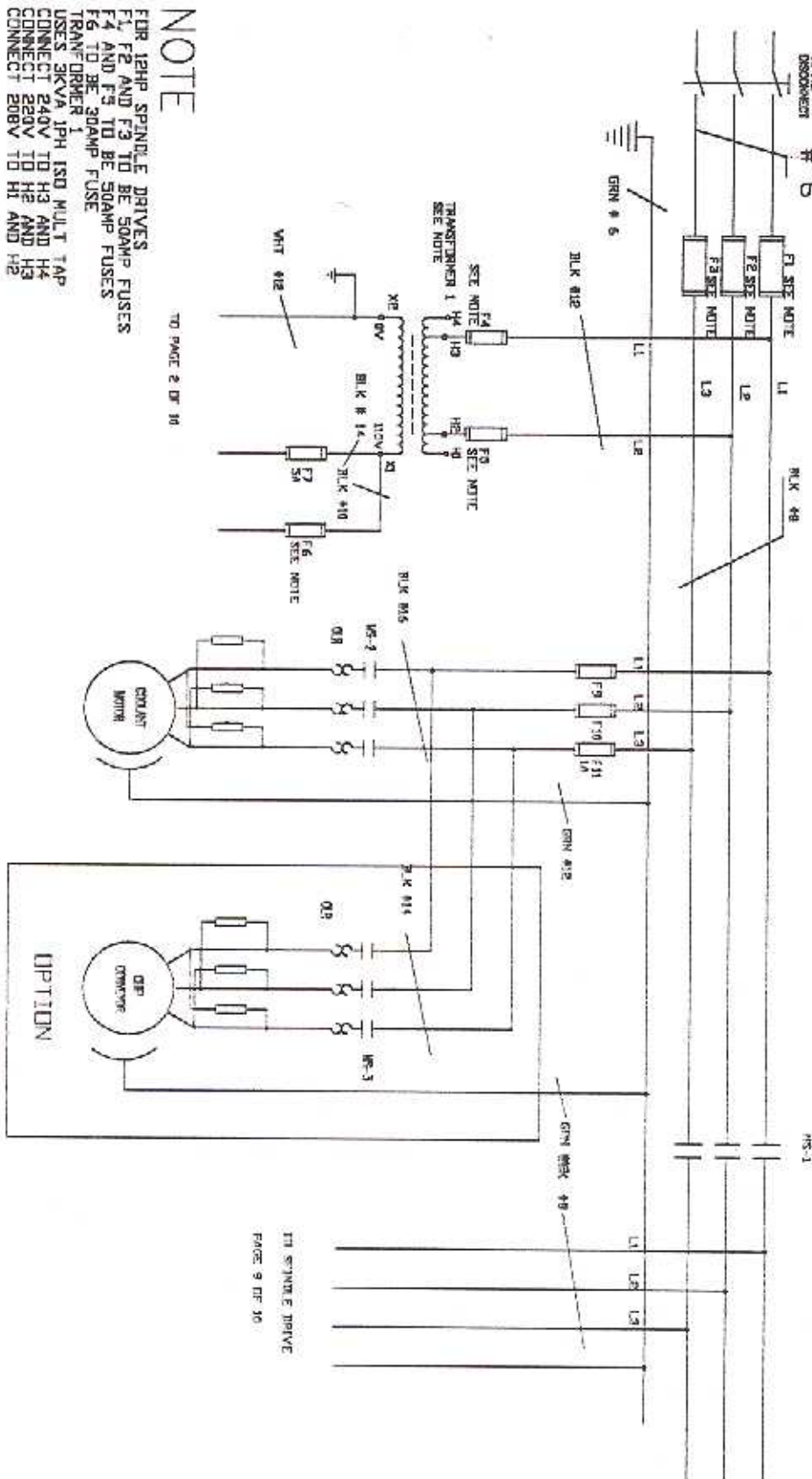
Turret Fuse

Turret Inverter

SYSTEM CONNECTED TO 3 PHASE 208 VAC
SYSTEM MUST BE CONNECTED
TO A SUITABLE EARTH GROUND

OR AMP
DISCONNECT

MS-1



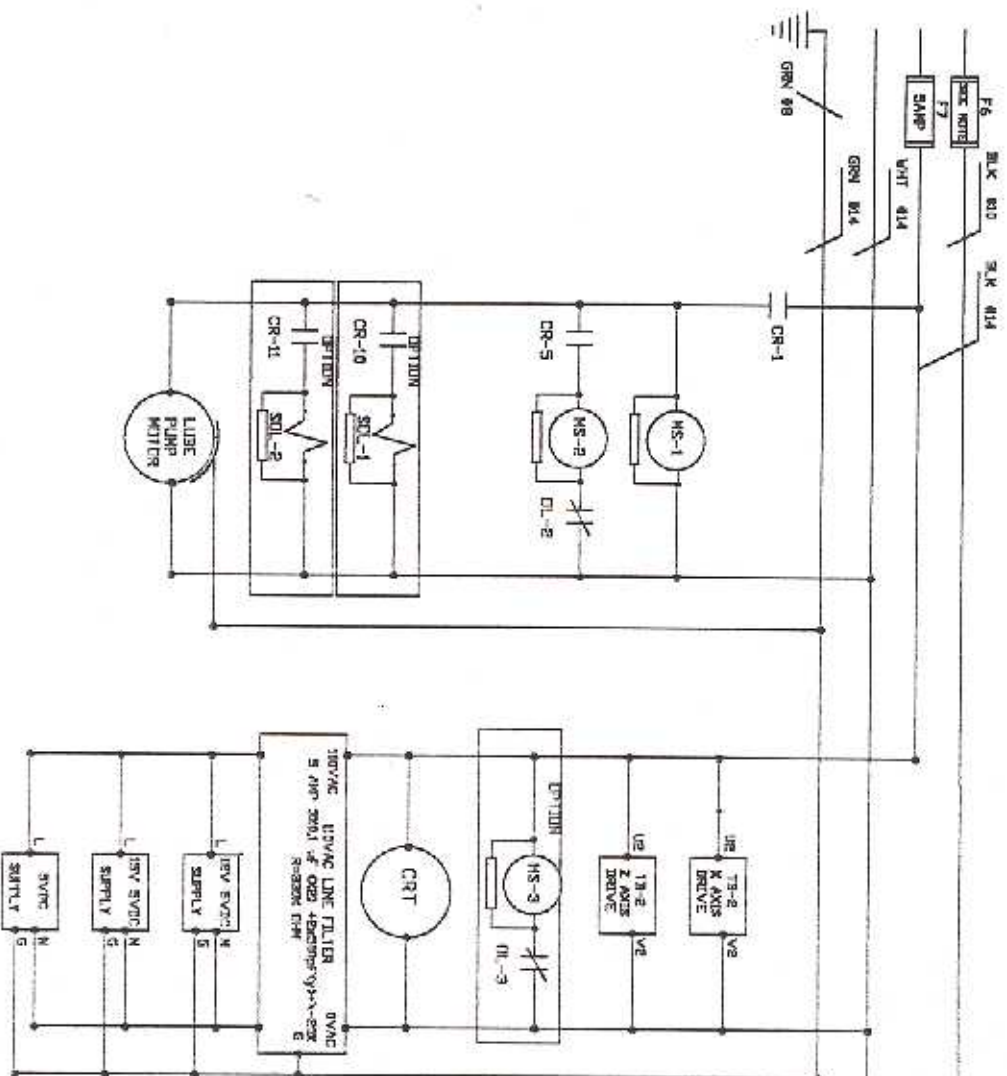
111 SPINDLE DRIVE
PAGE 9 OF 10

NOTE

TO PAGE 2 OF 10

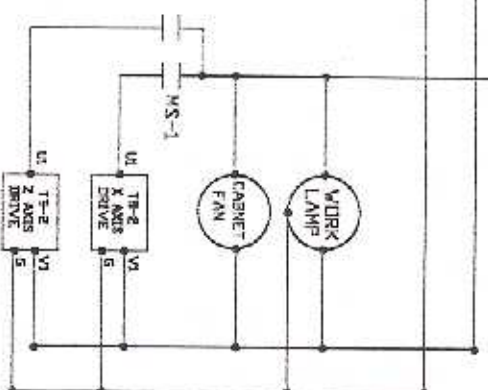
FOR 12HP SPINDLE DRIVES
F1, F2 AND F3 TO BE 50AMP FUSES
F4 AND F5 TO BE 50AMP FUSES
F6 TO BE 30AMP FUSE
TRANSFORMER 1
USES 3KVA 1PH ISO MULT TAP
CONNECT 240V TO H3 AND H4
CONNECT 220V TO H2 AND H3
CONNECT 208V TO H1 AND H2

H H Roberts Machinery Ltd. Ontario, Canada	
CH. KRB	TITLE ANN YANG LATHE
DATE 2-12-01	230V POWER DISTRIBUTION
SHEET 1 OF 10	
YA REV. 1.0	



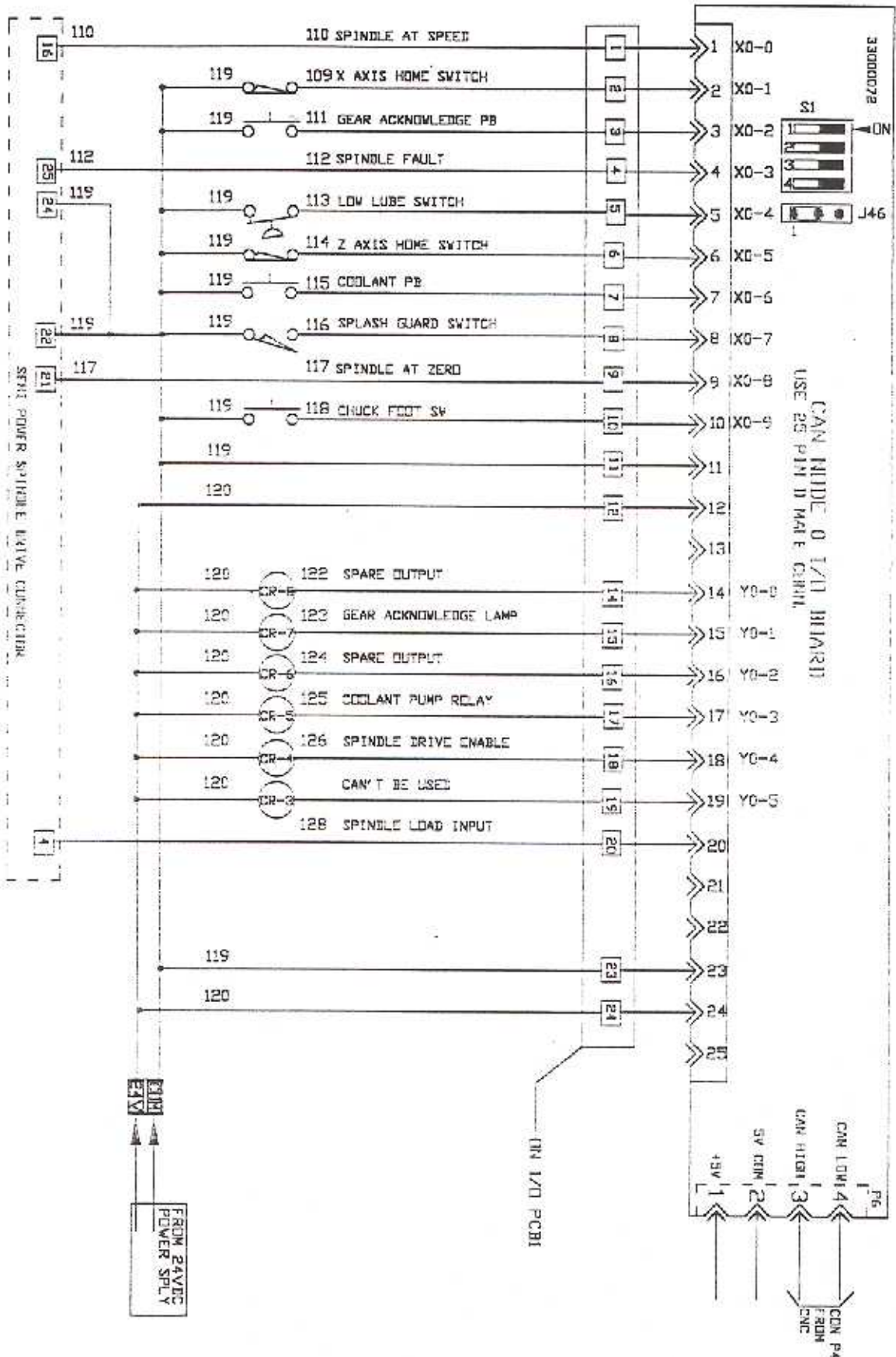
CR-1 SV-IN
 CR-2 SV-OUT
 CR-3 SPINDLE AS CAN NOISE 0
 CR-4 SPINDLE ENABLE Y0.4
 CR-5 COOLANT PUMP Y0.3
 CR-6 SPARE OUTPUT Y0.2
 CR-7 GEAR ACKNOWLEDGE Y0.1
 CR-8 SPARE OUTPUT Y0.0
 CR-9 CHUCK READY Y2.5
 CR-10 CHUCK CLOSED Y2.4
 CR-11 CHUCK OPEN Y2.3
 CR-12 TURRET MOTOR RUN Y2.2
 CR-13 TURRET MOTOR FWD Y2.1
 CR-14 TURRET MOTOR REV Y2.0

MS-1 SERVO LAMP CONTACTOR
 MS-2 COOLANT PUMP CONTACTOR
 MS-3 HYDRAULIC PUMP CONTACTOR
 DL-2 COOLANT PUMP OVERLOAD
 DL-3 COOLANT PUMP OVERLOAD
 SOL-1 HYDRAULIC PUMP OVERLOAD
 SOL-2 CHUCK DEPIED

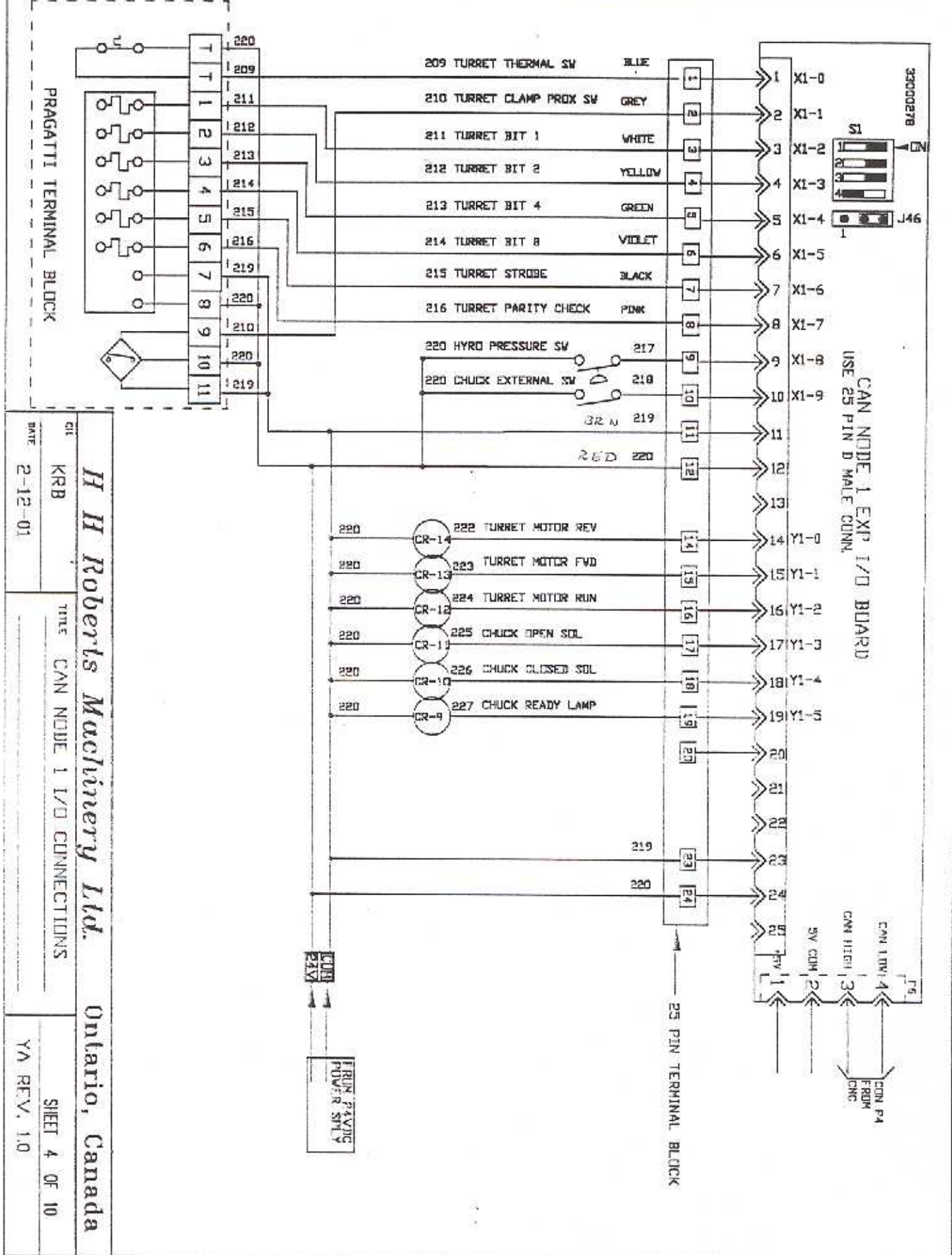


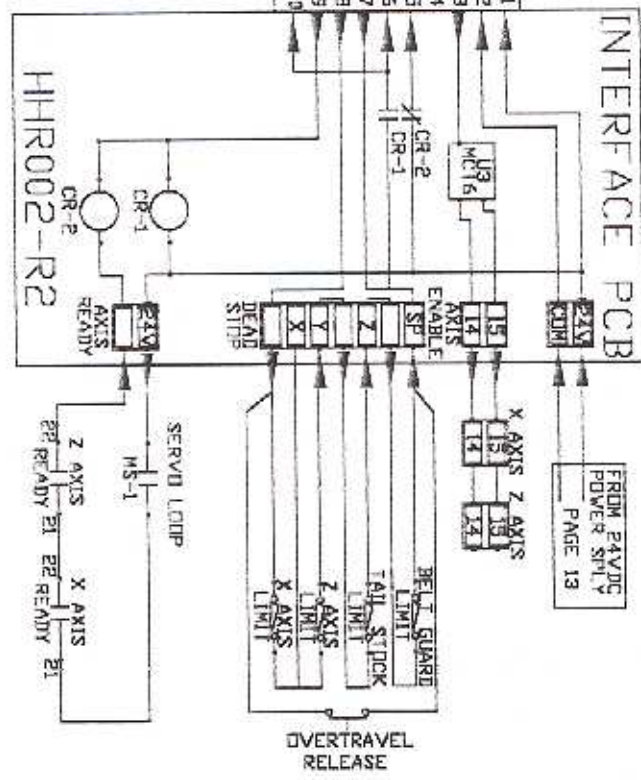
H H Roberts Machinery Ltd. Ontario, Canada

CH	KRB	TITLE	ANN YANG LAIHE	SHEET 2 OF 10
DATE	12-2-00		PRAGATTI TURRET HYDRO CHUCK	YA REV. 1.0

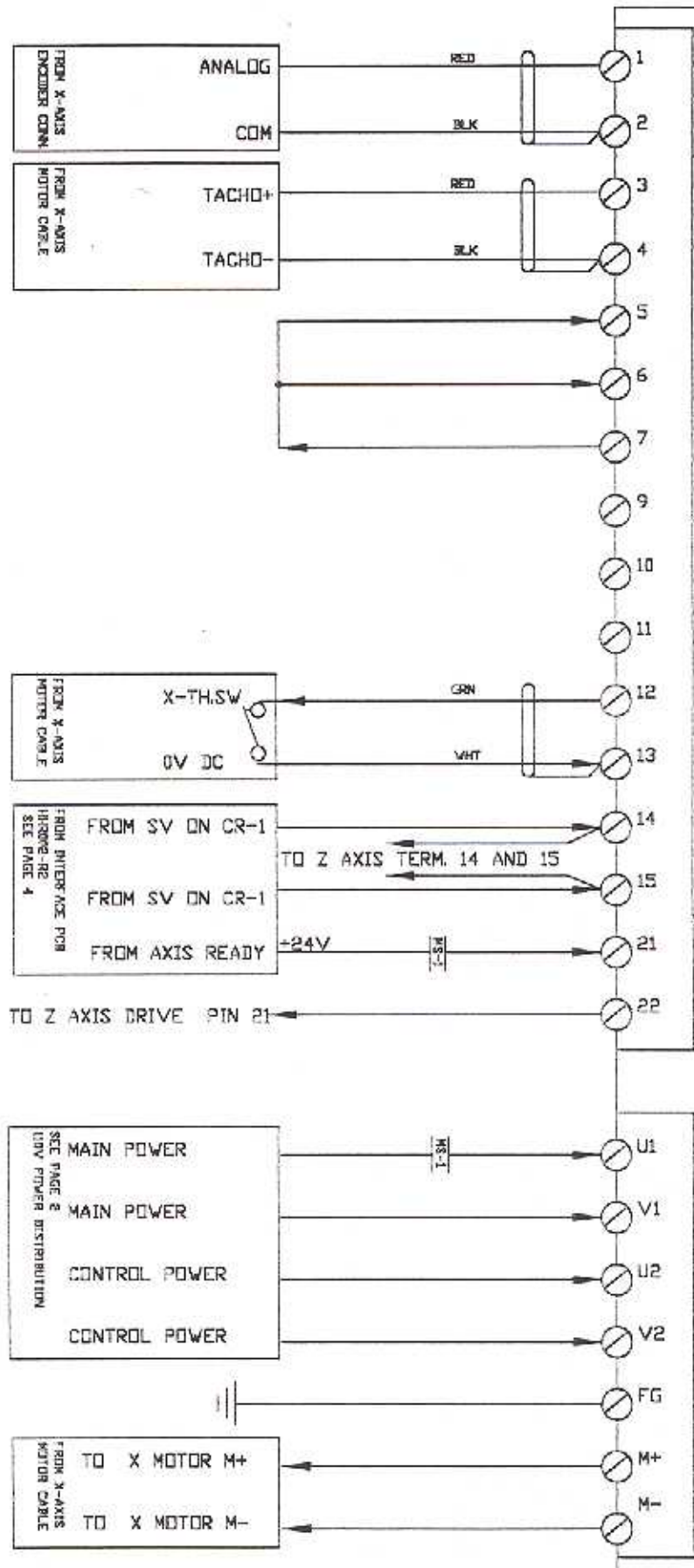


H H Roberts Machinery Ltd. Ontario, Canada



CR-1 SV-TIN
CR-2 SV-ROY

X - AXIS DRIVE



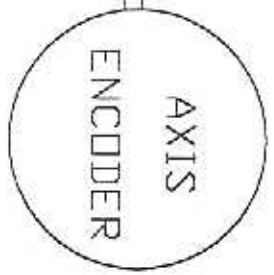
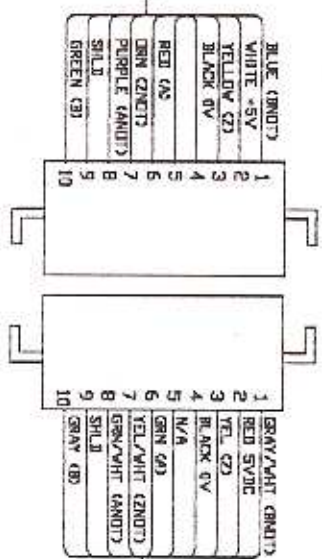
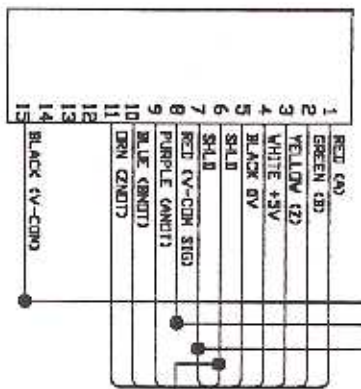
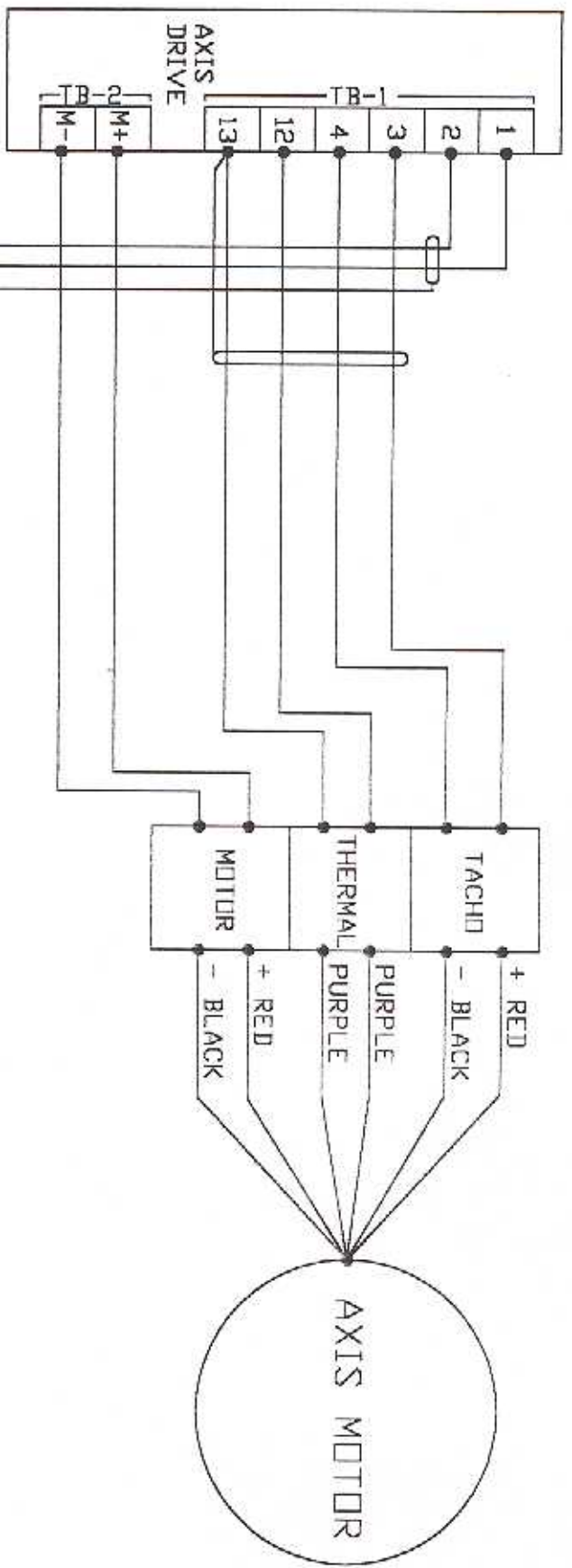
H H Roberts Machinery Ltd. Ontario, Canada

CH.
KRB
DATE
2-12-01

TITLE
ANN YANG LATHIE
X AXIS DRIVE CONNECTIONS

SHEET 6 OF 10
YA REV. 1.0

YA REV. 1.0



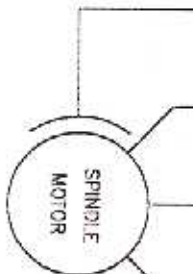
2	1
4	3
6	5
8	7
10	9

NOTE

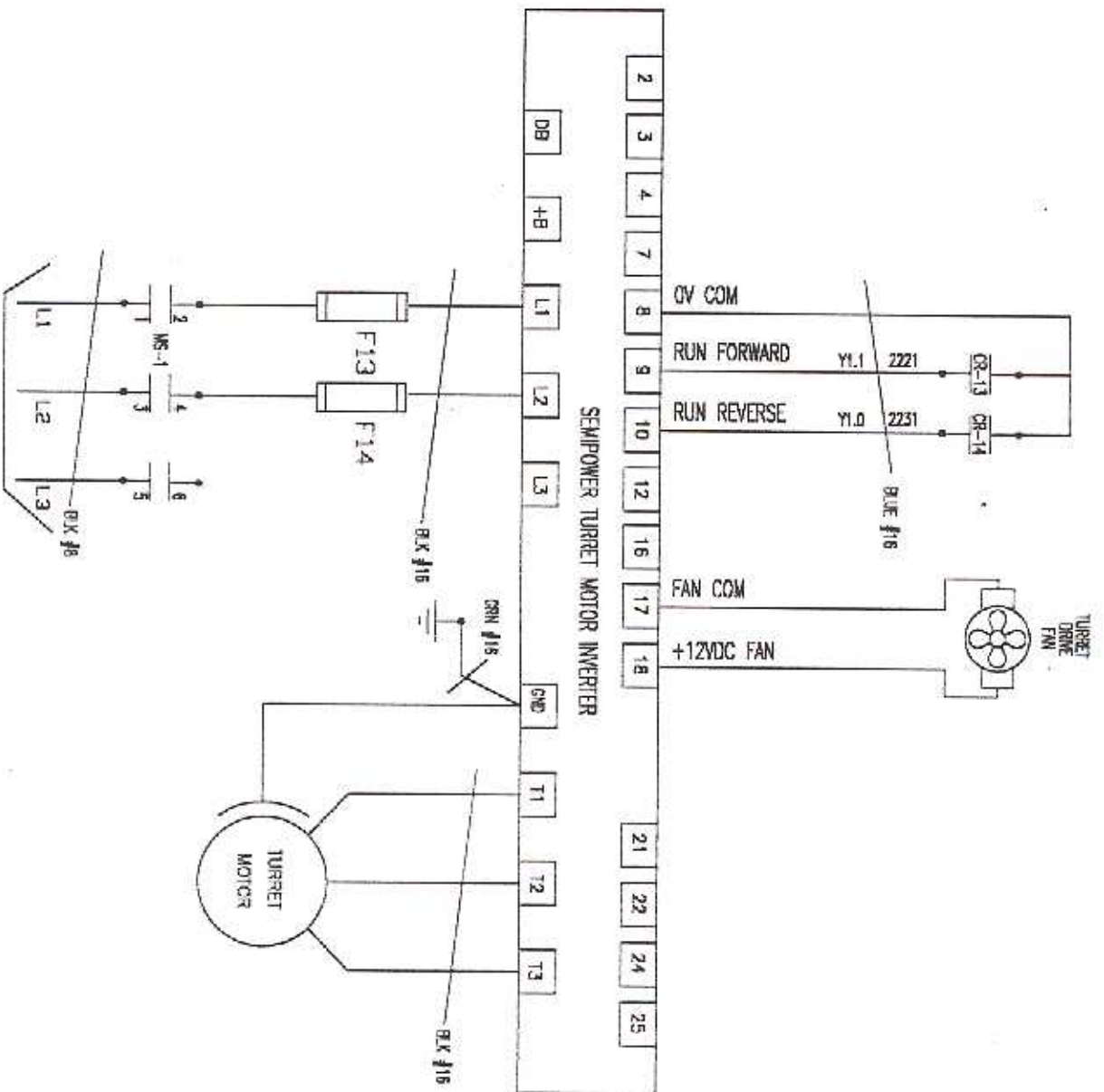
TYPICAL FOR X & Z AXIS
X AXIS PORT 0
Z AXIS PORT 2
SPINDLE PORT 1

PIN STRS OF CONN.
10 PIN RECEPTACLE

C/L		TITLE		SHEET 8 OF 10	
KRB		ANN YANG LATHE		Y/A REV. 10	
DATE 2-12-01		AXIS MOTOR CABLE CONNECTION			
H H Roberts Machinery Ltd.				Ontario, Canada	



H H Roberts Machinery Ltd.		Ontario, Canada	
CL	TITLE	SHEET 9 OF 10	
KRB	ANN YANG LATHE		
DATE	SEMIPOWER SPINDLE DRIVE	YA REV. 10	
2-12-01			



H H Roberts Machinery Ltd. Ontario, Canada

CHK
KRB
DATE
2-12-01

TITLE
ANN YANG LAIHE
SEMIPOWER FOR 1PH TURRET

SHEET 10 OF 10
YA REV. 1.0