Motor Relay Board

IN (new cable)

OUT

RED	1	RED TO SPINDLE MOTOR CONTACTOR
	2	BLK TO BRAKE AIR VALVE
BLK	3	VIO TO SPIDLE MOTOR CONTACTOR
	4	
	5	NEUTRAL (115V) From Controller
	6	RED JUMP
	7	
	8	
	9	
	10	CR To LUBRICATOR RTN To BACKSTEP

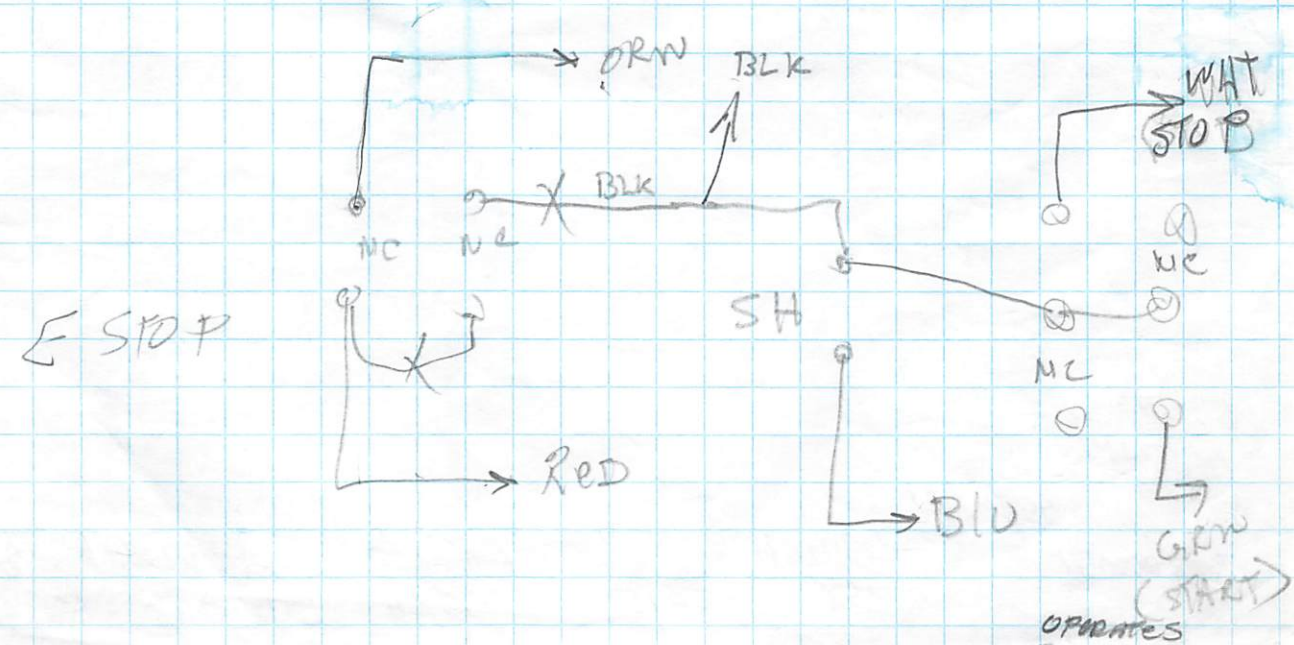
PUT AIR For BRAKE on Bottom of CONTACTOR Case

Motor Control Relay Box

ES	ORANge	8 pt Barrier Strip	#2	(2 ORNGS Together NO other conn)
MØ3	Green	⌐ ⌐ ⌐	#4	(2 GRN + BLK TO Relay CARD)
MØ5	White	⌐ ⌐ ⌐	#5	(2 GRN + RED TO Relay CARD)
+24V	Red		#6	POP/INTLK Com
MØ4	BLACK		#8	(BRN TO Relay CARD

E Stop Box

	ORANge		
SH	Blue	#2	
MØ3	Green	#3	POP/INTLK Store Hold — POP SH
MØ5	White	#4	
	BLACK	#5	
-24	RED	#1	POP/INTLK Panic Stop — POP PS
		#7	-24 COM



C1100 0958663 - 0963417 4755 5102 2426

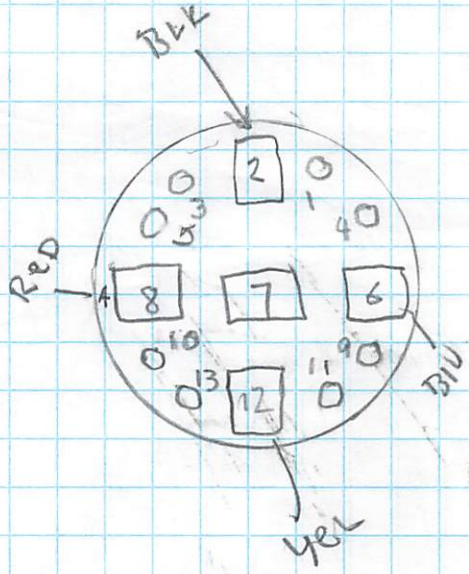
C1200 1036608 - 1036944 337 407651 150000228

1046255

TAPE 14

150000229

X AXIS



	SIGNAL		CONT	CABLE
132-J8-6	BLK RTN	1		
	LIMIT A	2	BLK	BLK
122-J5-1	5V	3	RED	
132-J8-2	RED LIMIT	4		
122-J1-3	⏚	5	BLK/SLD	
	B	6	BLU	BLU
		7		
	THRU $\overline{B}$	8	RED	RED
	RTN	9		
122-J1-1	-A	10	WHT	
		11		
	$\overline{A}$	12	YEL	ORN
122-J1-2	B	13	GRN	

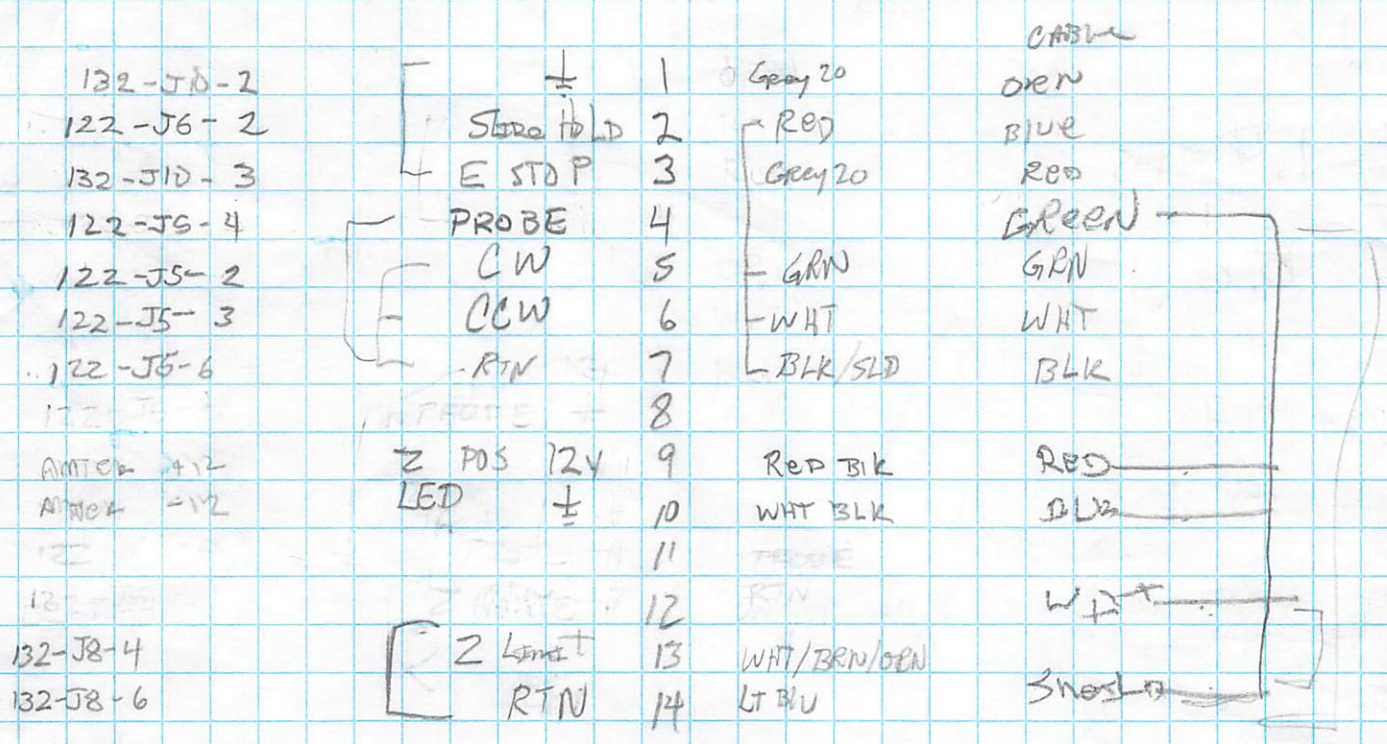
Y AXIS

	SIGNAL		CONT	CABLE	MOT
132-J8-6	GRN RTN	1	GRN	BRN	
	A	2	BLK	BLK	5 ga
122-J5-1	5V	3	RED		
132-J8-3	WHT LIMIT	4	WHT	YEL	
122-J2-3	⏚	5	BLK/SLD		
	B	6	BLU	BLU	3 P/W
	THRU	7			
	$\overline{B}$	8	RED	RED	18
		9			
122-J2-1	A	10	WHT		
		11			
	$\overline{A}$	12	YEL	ORN	4 ga/6
122-J2-2	B	13	GRN		

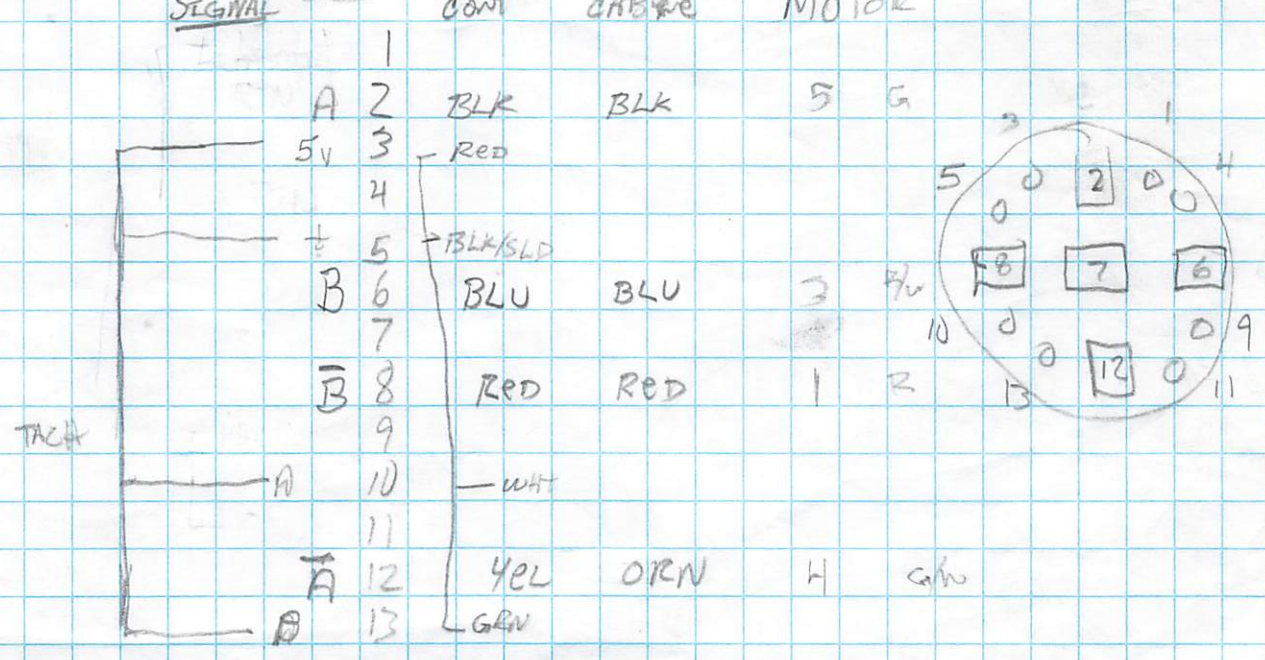
A ROTARY

122-J5-6	DLK RTN	1
	A	2
122-J5-1		3
122-J5-5	RTN INDEX	4
122-J4-3		5
	B	6
		7
	$\overline{B}$	8
		9
122-J4-1		10
		11
	$\overline{A}$	12
122-J4-2		13

E-STOP


132-J10-2
122-J6-2
132-J10-3
122-J5-4
122-J5-2
122-J5-3
122-J5-6
132-J8-4
132-J8-6
STOP HOLD
E STOP
PROBE
CW
CCW
RTN
Z POS 12V
LED
Z LIMIT
RTN
Grey 20
Red
Grey 20
GRN
WHT
BLK/SLD
Red Blk
WHT BLK
WHT/BRN/ORN
Lt Blu
CABLE
ORN
BLUE
RED
GREEN
GRN
WHT
BLK
RED
BLU
WHT
SHIELD

2 AXIS


SIGNAL
CONT
CABLE
MOTOR
122-J5-1
122-J3-3
122-J3-1
122-J3-2
TACH
5V
A
B
Red
BLK/SLD
BLU
Red
WHT
Yel
GRN
BLK
BLK
BLU
RED
ORN
5
3
1
4
G
Blu
R
Grn

X

Vel 1.4 IPS

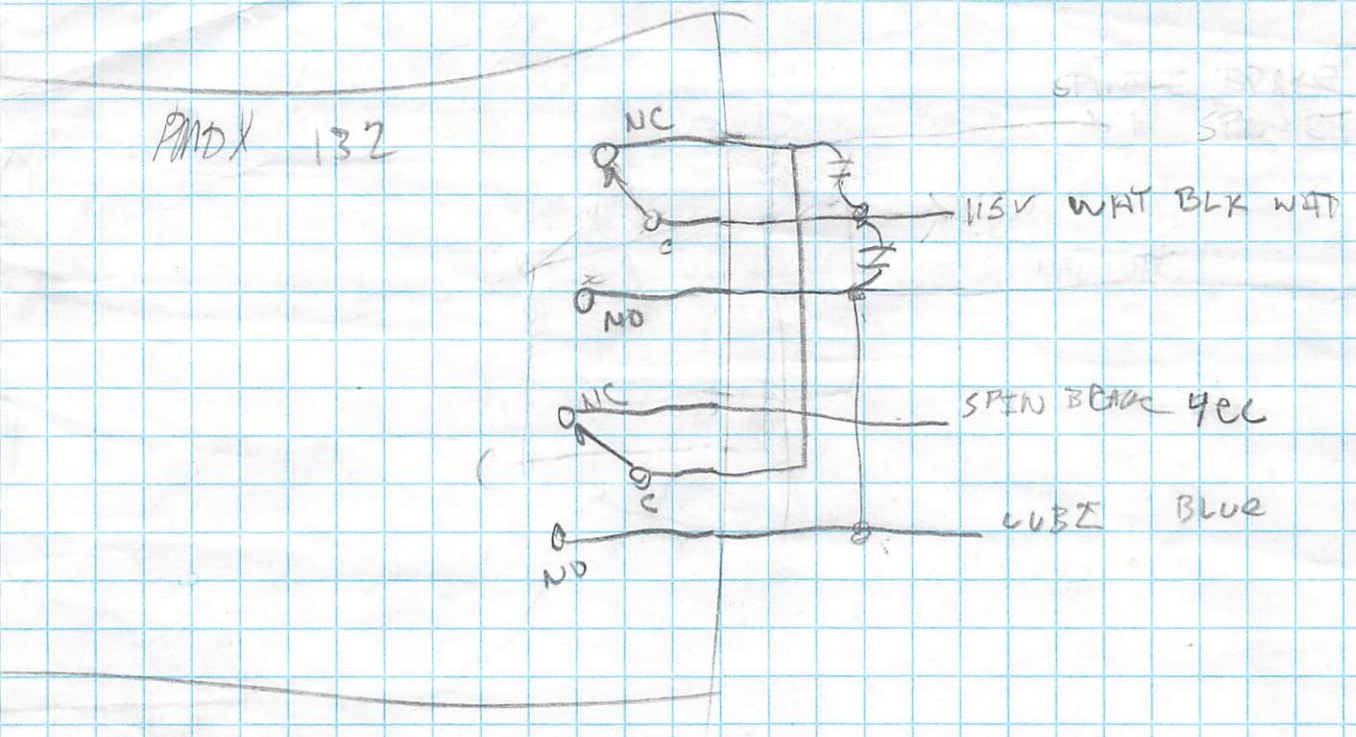
Acc 5.0

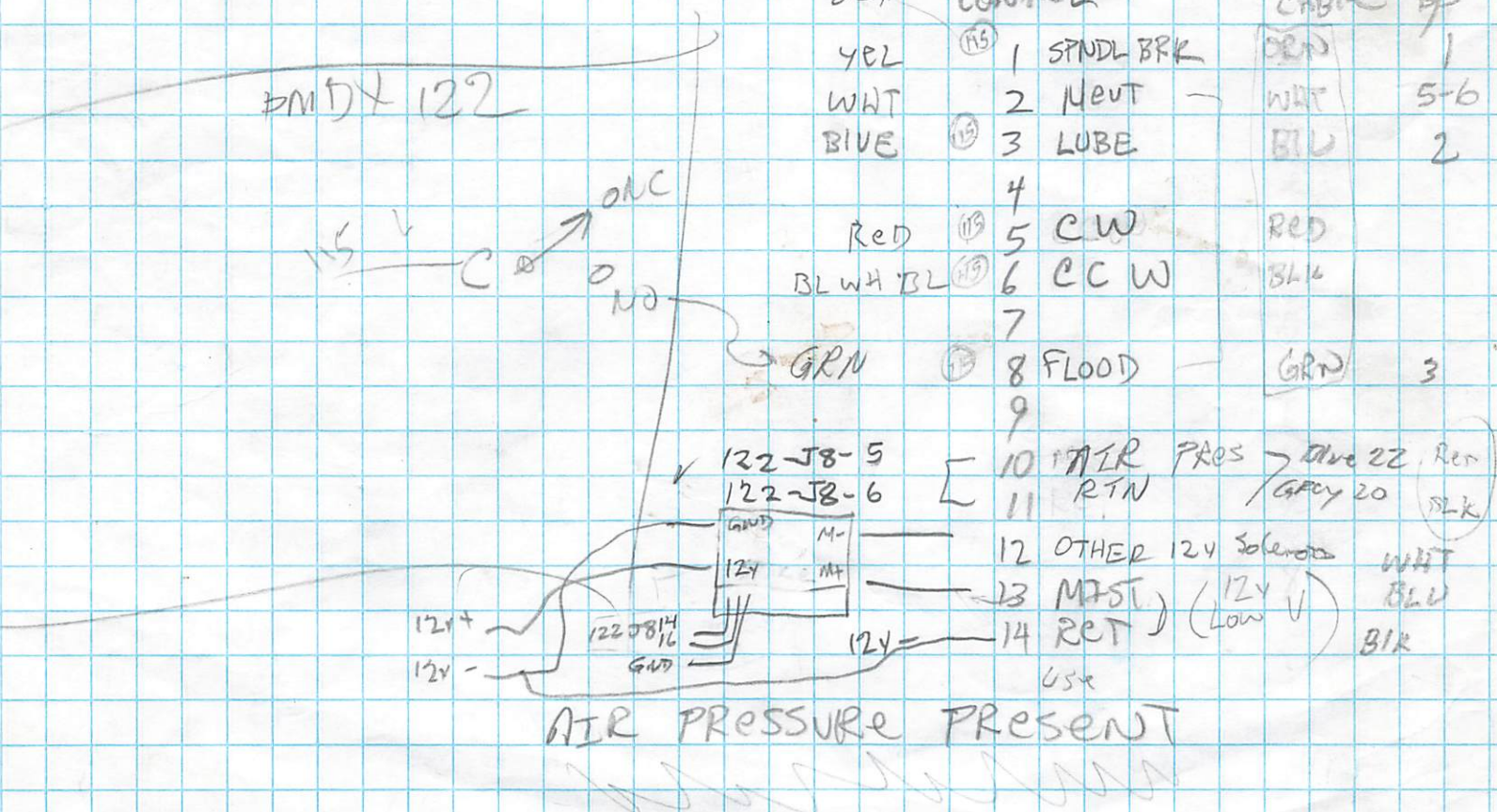
Y Vel 1.4

Acc 15 IPS

Z

CONTROL BOX





BOX		SPINDLE CONTROL		MACHINE CABLE	
YEL	(115)	1	SPNDL BRK	YEL	1
WHT		2	NEUT	WHT	5-6
BLUE	(115)	3	LUBE	BLU	2
		4			
RED	(115)	5	CW	RED	
BL WH BL	(115)	6	CCW	BLK	
		7			
GRN	(115)	8	FLOOD	GRN	3
		9			
		10	AIR PRES	Blue 22 / Grey 20	Red / BLK
		11	RTN		
		12	OTHER 12V Solenoids		
		13	MIST (12V Low V)		WHT BLU
		14	RET		BLK

Z AXIS CABLEING

Volt + / LED TO ILLUMINATE POSITION

Limit Switches — SENS RTN

Home Switch — SENS RTN

A
/A
B
/B

TACH — 5V, A, B

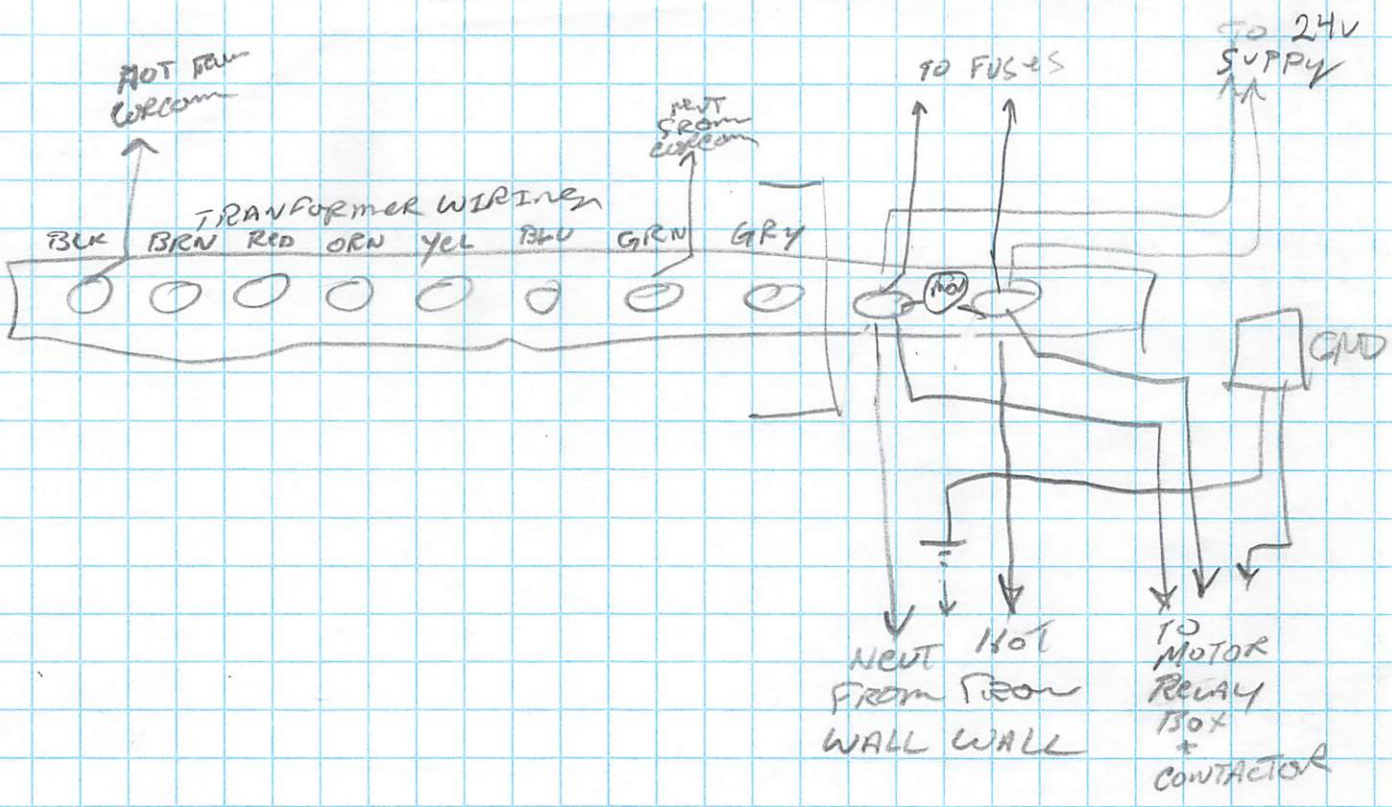
ESTOP

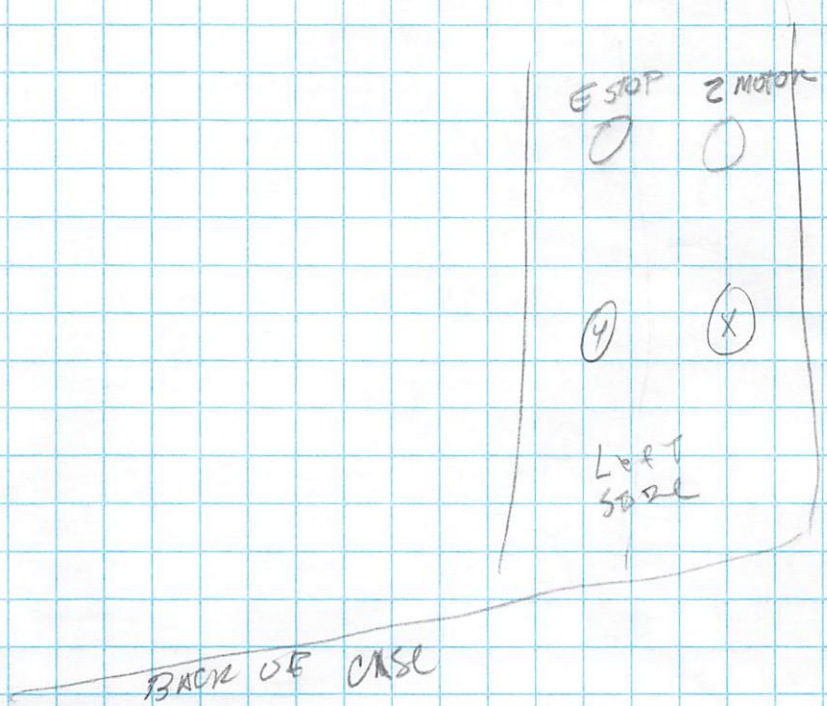
ESTOP

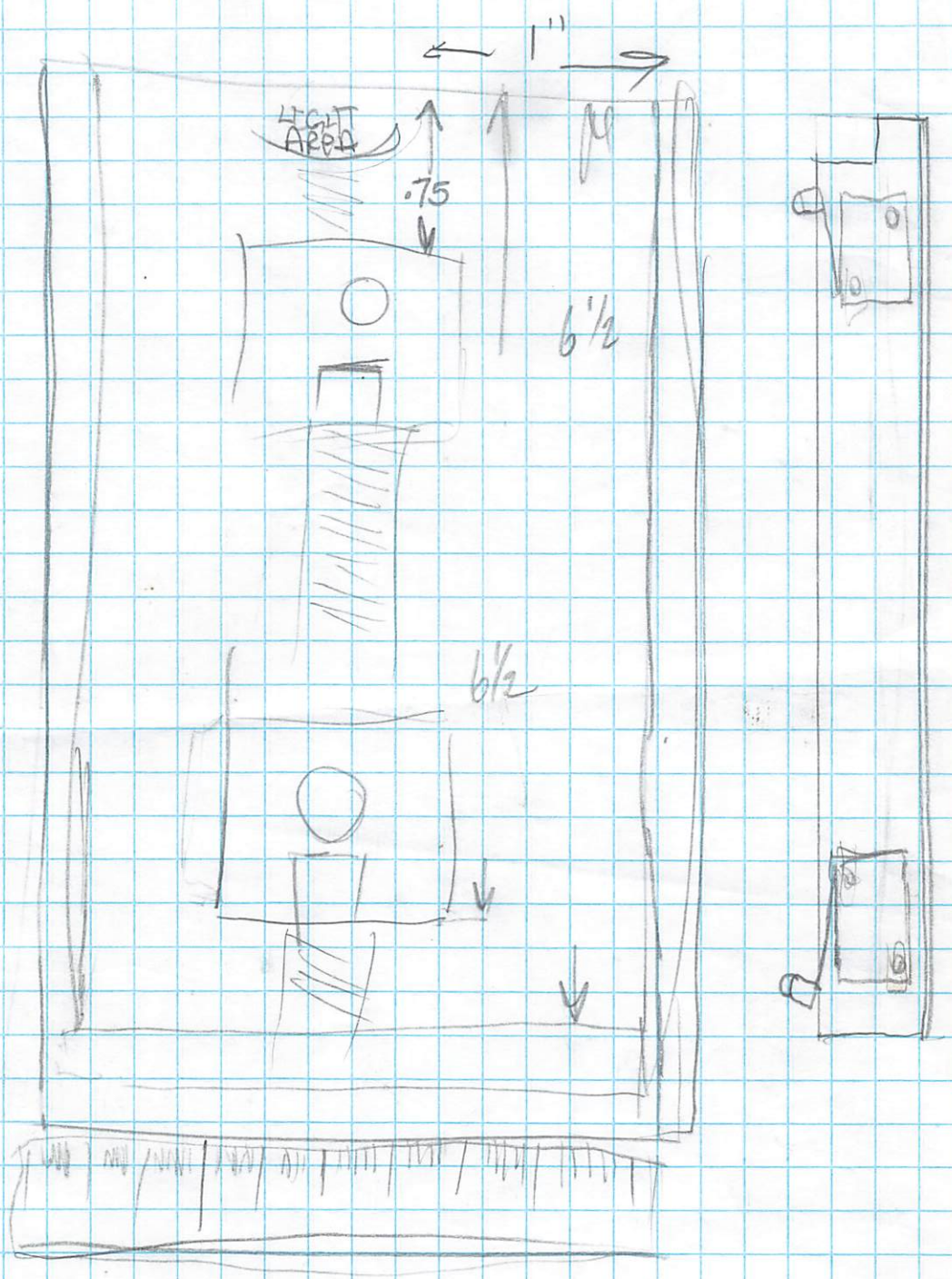
SLIDE HOLD — DRIVE

CW — GRN
CCW — WHT

Main Power Barrier Strip from Back







Wire Four 2 Leads In E Stop Cable

Cables Have 6 wires / MM Must be used For Spindle + E-Stop

X I = 5.4

Y I = 4.7

Z I = 5.2

.8 Ω

MOTOR	
RED/WHT	3
GRN/WHT	4
GRN	5
BLK	6
RED	1
WHT	2

CABLE	BOARD
BLU	B1
ORG	A2
BLK	A1
BRN	B COM
RED	B2
YEL	A COM

X = 5 TPI

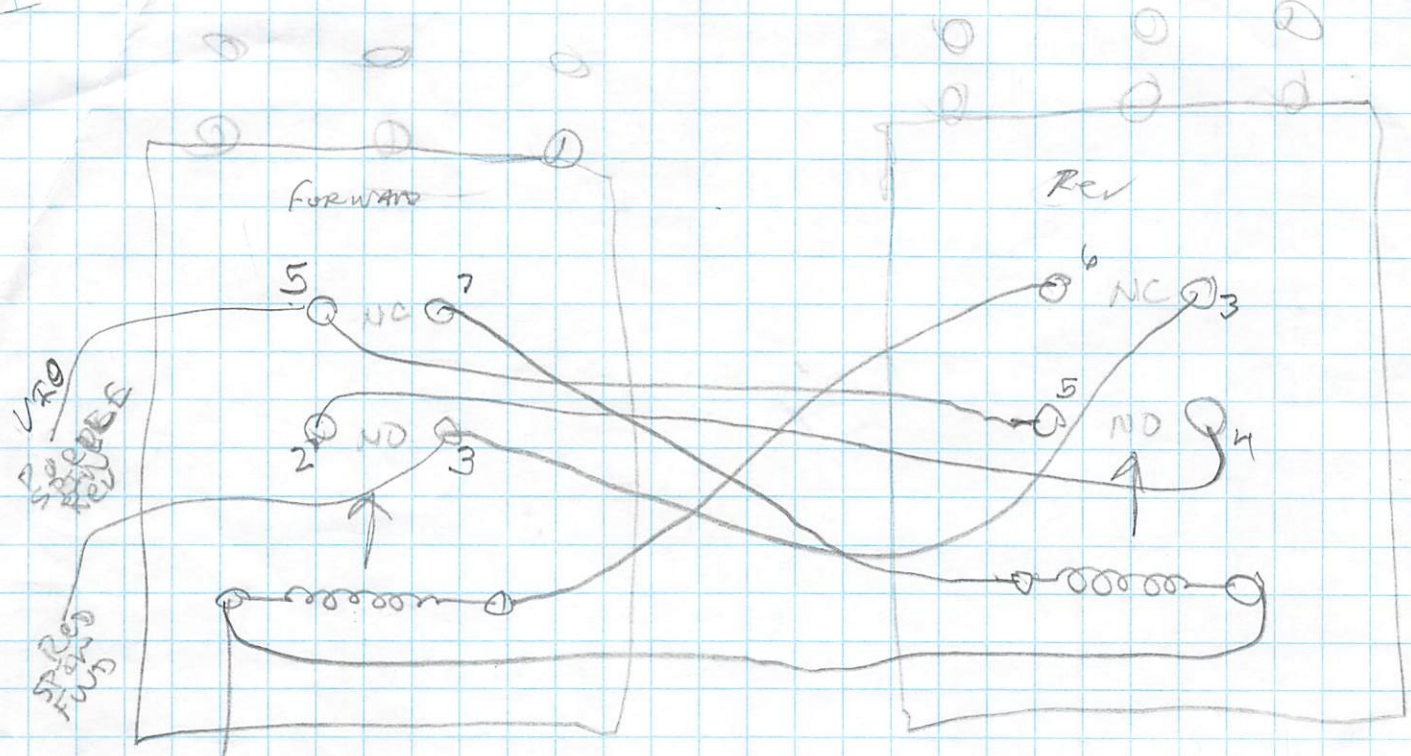
Y = 5 TPI 1 step of B1

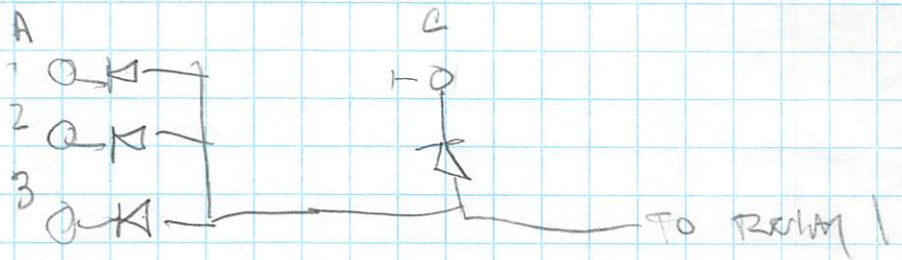
Z = 5 TPI

Camry Lamie

310 2068422

Mark F.
661 269 0009





TO BARRIER STRIP IN MOTOR RELAY BOX

M03 GRN

24V RED

M04 BLK
ES GRN
M05 WHT

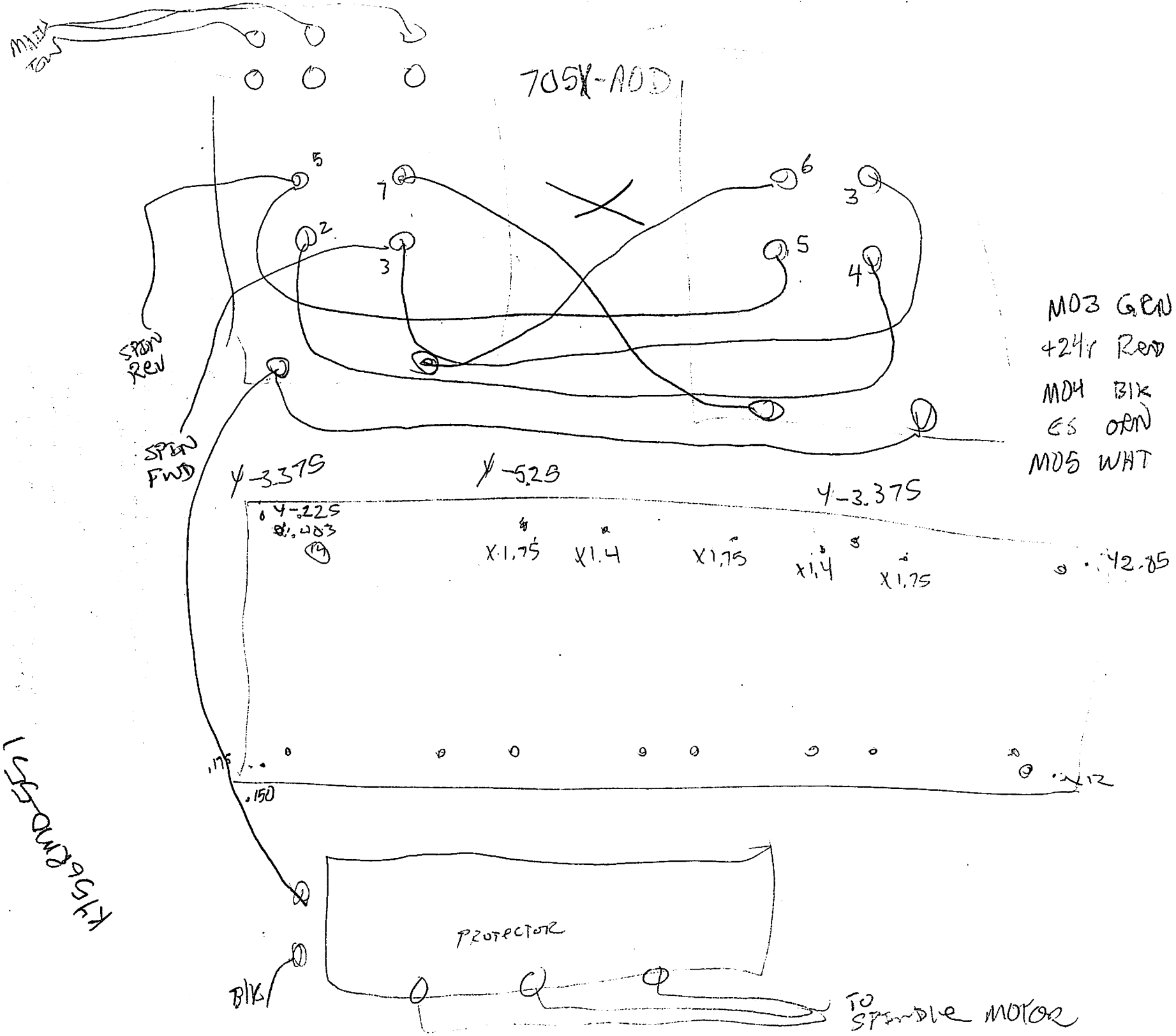

705X-A00
5
7
6
3
2
3
5
4
SPIN REV
SPIN FWD
MO3 GRN
+24V Rev
MO4 BLK
ES ORN
MO5 WHT
Y-3.375
Y-5.25
Y-3.375
Y-.225
X.003
X1.75
X1.4
X1.75
X1.4
X1.75
X42.85
.175
.150
.312
PROTECTOR
BLK
TO SPINDLE MOTOR
K56Rm05-51
AB 70486

Image Gallery

[1]

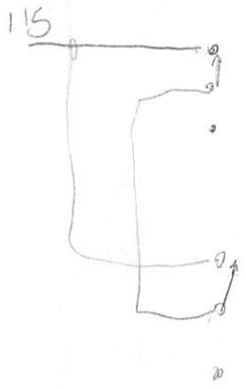
Planex MINI101U USB2.0 Multiple Function Print Server Design in Japan by Plannex Communications - Retail

Network Connection: RJ45
Network Speed: 10/100Mbps
Printer Connection: USB 2.0
Protocols: TCP/IP, IPX/SPX, NetBEUI, AppleTalk (binary mode supported)
Device Management: Web-based management
Operating Systems Supported: Windows NT/ME/98SE/95 : Only support print function Windows Vista/XP/2000 : support print and MFP functions
Dimensions: 2.9" x 2.6" x 0.8"
Weight: 1.76 oz (excluding the AC adapter)
Model #: MINI101U
Item #: N82E16833360024

Blue Sleep Hold

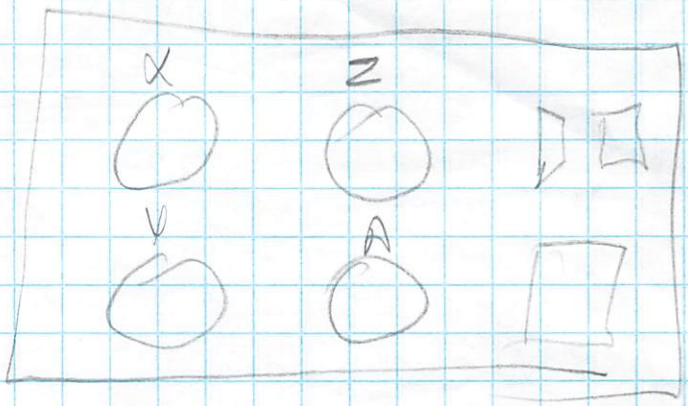
Blk

OPN — E-STOP — Red



JX

			202	SIG
1	BLK	———	3	A1
3	YEL	———	4	A2
12	BLU	———	5	B1
14	RED	———	6	B2



JY

2	BLK	———	3
7	YEL	———	4
13	BLU	———	5
8	RED	———	6

JZ

3	BLK	———	3	A1
11	YEL	———	4	A2
4	BLU	———	5	B1
12	RED	———	6	B2

JA

1	BLK	———	3	A1
2	YEL	———	4	A2
3	BLU	———	5	A3
4	RED	———	6	A4

Relay Card

TB

M-Function Card

00	WIRE 1	3	(Relay Card IN+ 5 Jumpered 1-5)	
2	WIRE 2	2	Relay Card IN -A1	
3	WIRE 3	2	#3	IN-2
4	WIRE 4	2	#4	Relay Card IN-3
5	WIRE 5	2	#5	Relay Card INA 2
6	WIRE 6	2	#6	" " INA 3
STRB	WIRE 7	1	STRB	" " IN @ 4 & 5 JUMPERED
LIM	WIRE 8	1	LIM	OUT "A" #5
	WIRE 10		Relay Out B 4 & 5	To -24V
+24 com	WIRE 9	-	Com	(8pt Barrier Block To +24V Supply

Relay CARD

M05	Relay 1	Out B	Term #1	RED	8pt Barrier Strip #5
M03	Relay 2	OUT B	Term #2	BLACK	" " " #4
M04	Relay 3	OUT B	Term #3	BROWN	" " " #8

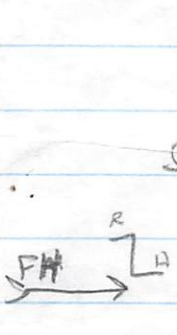
OUT A 1-4 Jumpered

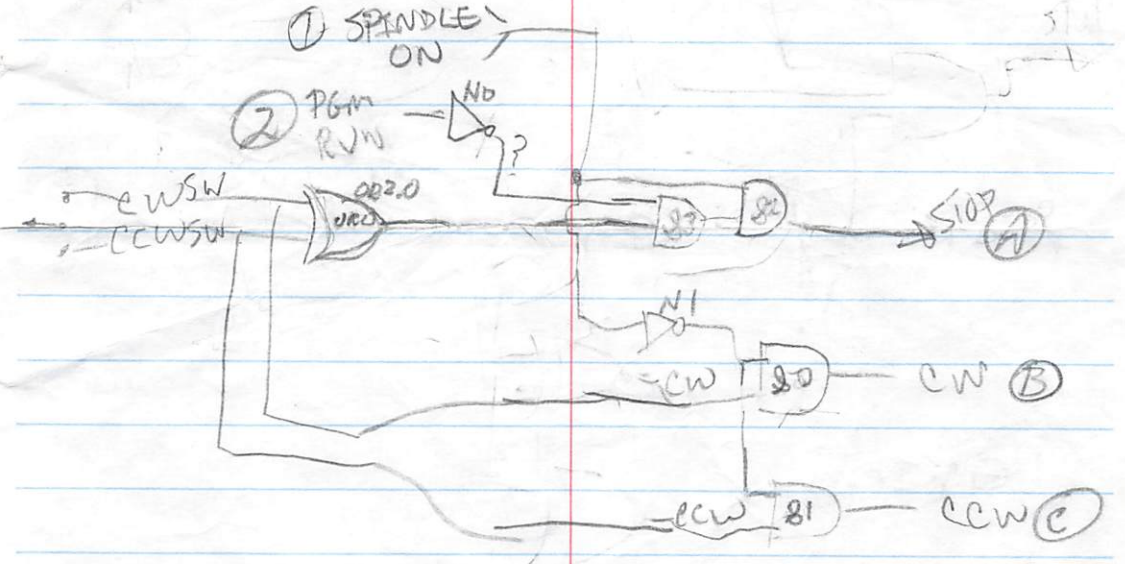
EDP 214009 026

Monday - Thurs 10A

SPIKE
STOPPERS

1 OR
2 INV
2 AND2
1 Logic 0x103





OVT
HALUI.SPINDLE.IS-ON (1)
HALUI.PROGRAM.IS-RUNNING (2)
HALUI.PROGRAM.IS-PAUSED (3)

IN HALUI.SPINDLE.STOP (N)
IN HALUI.SPINDLE.FORWARD (B)
IN HALUI.SPINDLE.REVERSE (C)
HALUI.PROGRAM.RESUME (D)

LOADRT LOGIC COUNT=3 0X102, 0x102, 0X103

LOADRT OR2 ..

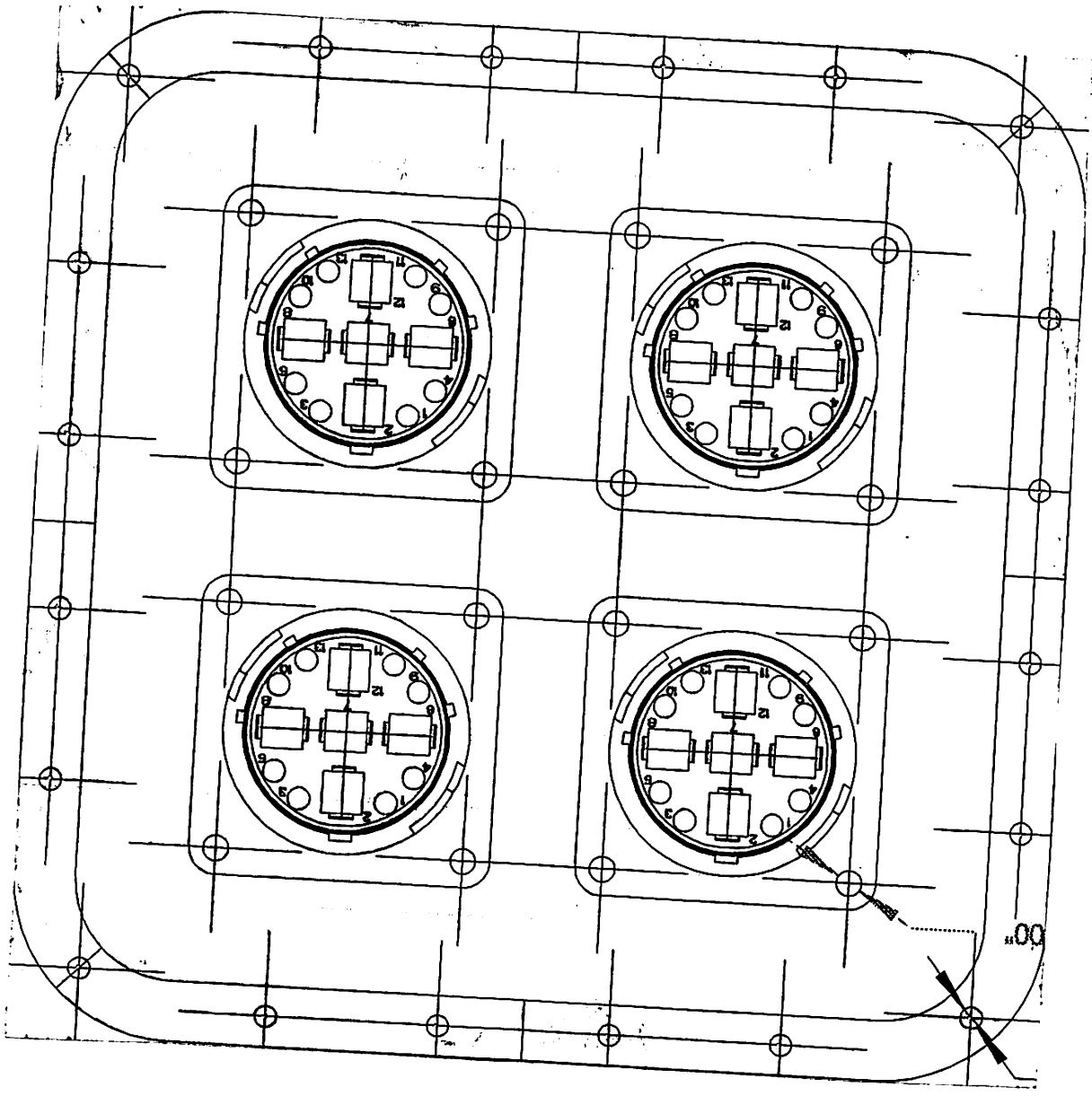
LOADRT NOT COUNT=2

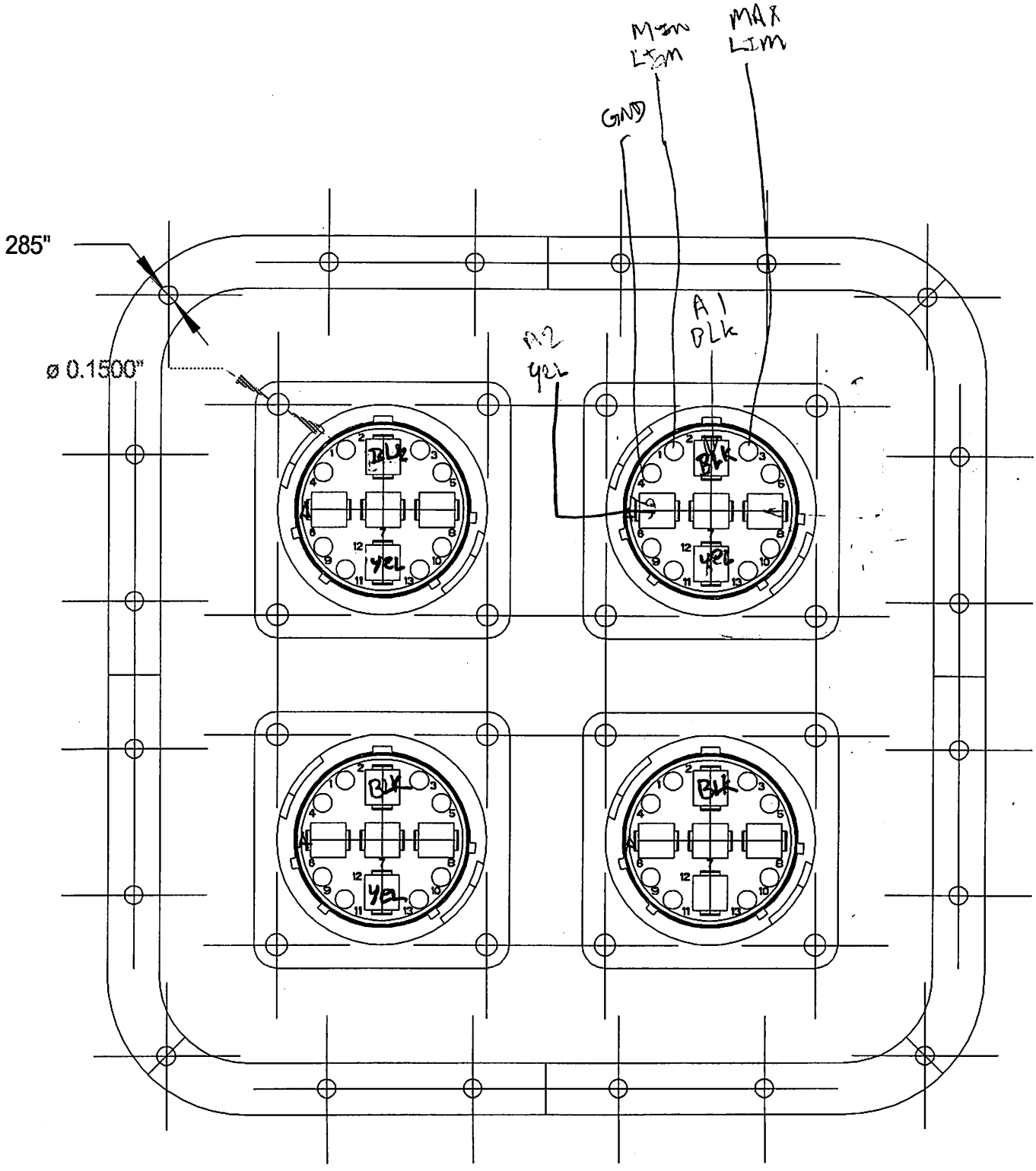
NOT.0.
NOT.1

OR2.0.IN0
IN1
OUT

[EMCIO]

TOOL_CHANGE_QUILL_UP=1




285"
ø 0.1500"
Min LIM
MAX LIM
GND
A1 BLK
M2 YEL
BLK
YEL