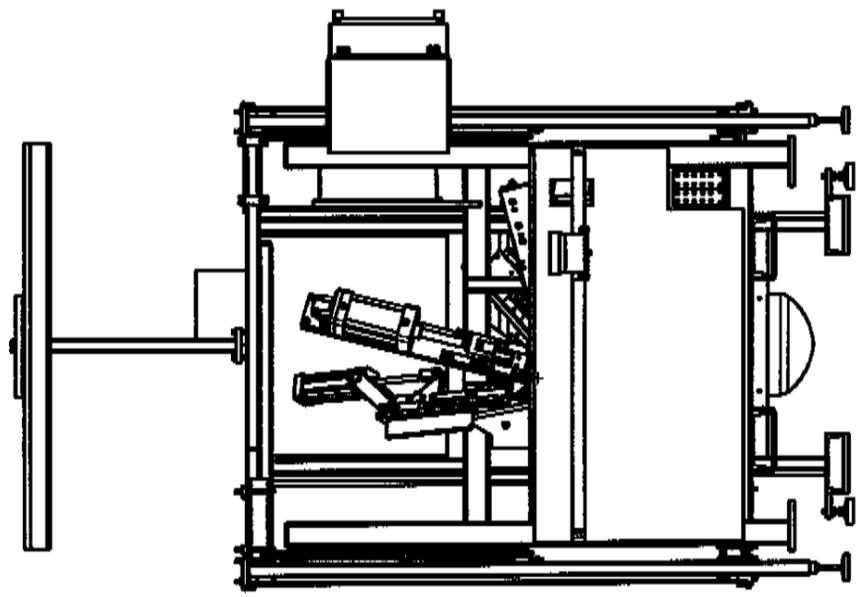
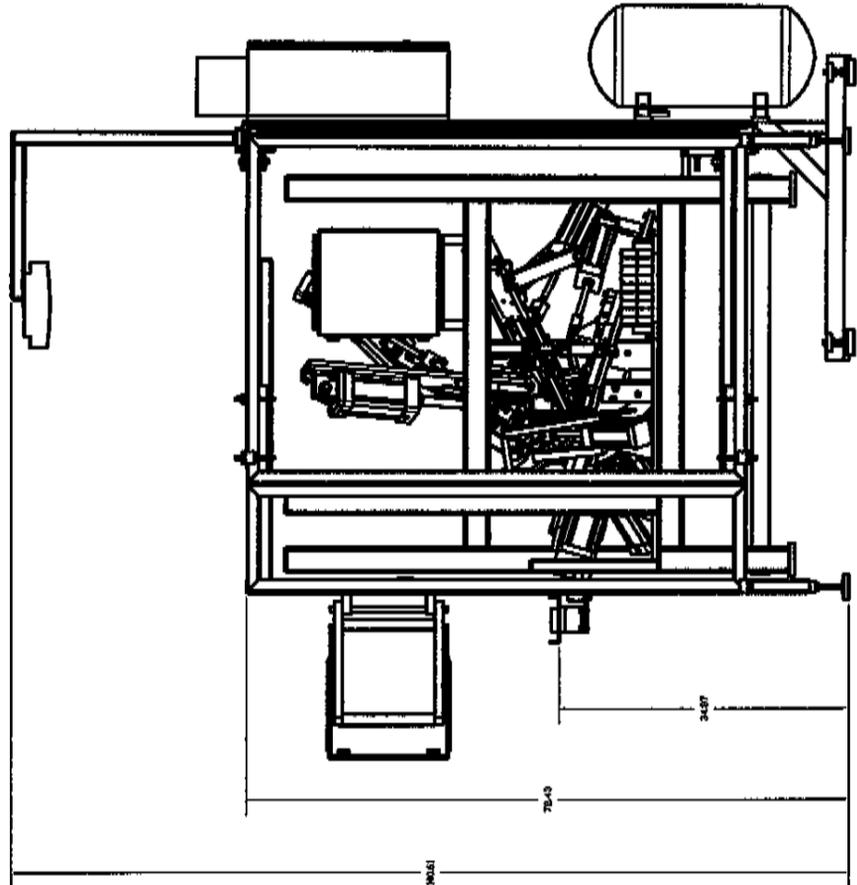
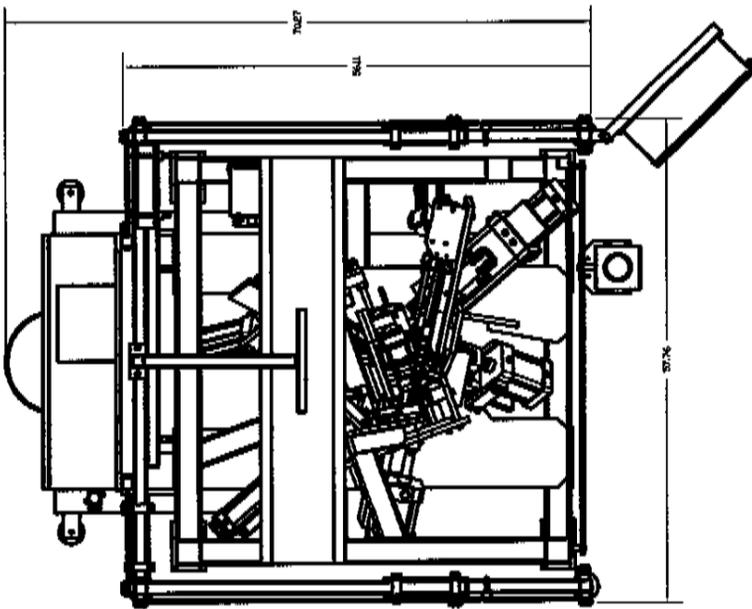


Customer Name

TOOL NAME		Power Bender-No. Excel 212 Floor Plan	
PART NAME		Sample Tube	
PART NO.		4196783222	
DRAWN BY:	SHT.	SCALE	FILE NAME
Moorman	1	1/10	SampleFP
DATE:	OF		
2-23-1991	1		
DESIGN & BUILD BY:		SERIAL NUMBER:	
EXCEL		231961	
MACHINE & TOOL INC.			



MARK IDENTIFICATION AND MATERIAL ON TOOL DETAILS PAINT IDENTIFICATION NUMBERS ON STRUCTURAL WORK BREAK SHARP EDGES

REV	DESCRIPTION	DATE	APPROVED	JOB NUMBER
NI	RELEASE TO BUILD			

DET.	QTY.	NAME	DESCRIPTION
19	1	PARKER	4.00 OD2MA3UT3AC X 4.00 AIR C/L M=3/4-16 male, A=1.625, LAF=3.00
18	1	PARKER	2.50 OD2MA3UT3AC X 5.00 AIR C/L M=1/2-20 male, A=1.125, LAF=2.125
17	1	PARKER	4.00 OD2MA3UT3AC X 3.00 AIR C/L M=3/4-16 male, A=1.625, LAF=3.00
16	1	PARKER	4.00 OD2MA3UT3AC X 2.50 AIR C/L M=3/4-16 male, A=1.625, LAF=3.00
15	2	PARKER	2.50 OD2MA3UT3AC X 4.50 AIR C/L M=1/2-20 male, A=1.125, LAF=2.125
14	1	PARKER	4.00 OD2MA3UT3AC X 5.00 AIR C/L M=3/4-16 male, A=1.625, LAF=3.00
13	1	PARKER	1.05 DAFSRM3 X 2.00 CS=5/16-24 male, A=.875, LE=1.50
12	1	PARKER	2.50 OD2MA3UT3AC X 6.00 AIR C/L M=1/2-20 male, A=1.125, LAF=2.125
11	2	SNC	AN-400-N04 EXHAUST SILENCER 10 STATION VALVE ASSY, CONSISTING OF: STATION 1 BLANK STATION 2-10 V04301-3 D SOL.120 VAC COIL WITH 3 METER FEMALE SIB D CONNECTOR CABLE ART1100-DS25-030
10	1	SNC	DC502-4 DRAIN COCK
9	1	SILVAN	72-12-12-200 12 GALLON AIR TANK
8	1	PARKER	HQF QUICK CONNECT NIPPLE
7	1	PARKER	B15 QUICK CONNECT COUPLER
6	1	SNC	N15D06-AN04-X201 1/2" PRESSURE SWITCH
5	1	SNC	Y4001 1/2" SPACER FOR AIR PREP UNIT
4	2	SNC	AN40-N04RG-2 1/2" FILTER REGULATOR COMBO
3	1	SNC	VRS50-N04-Z 1/2" LOCK OUT VALVE
2	1	SNC	AN-300-N03 MUFFLER

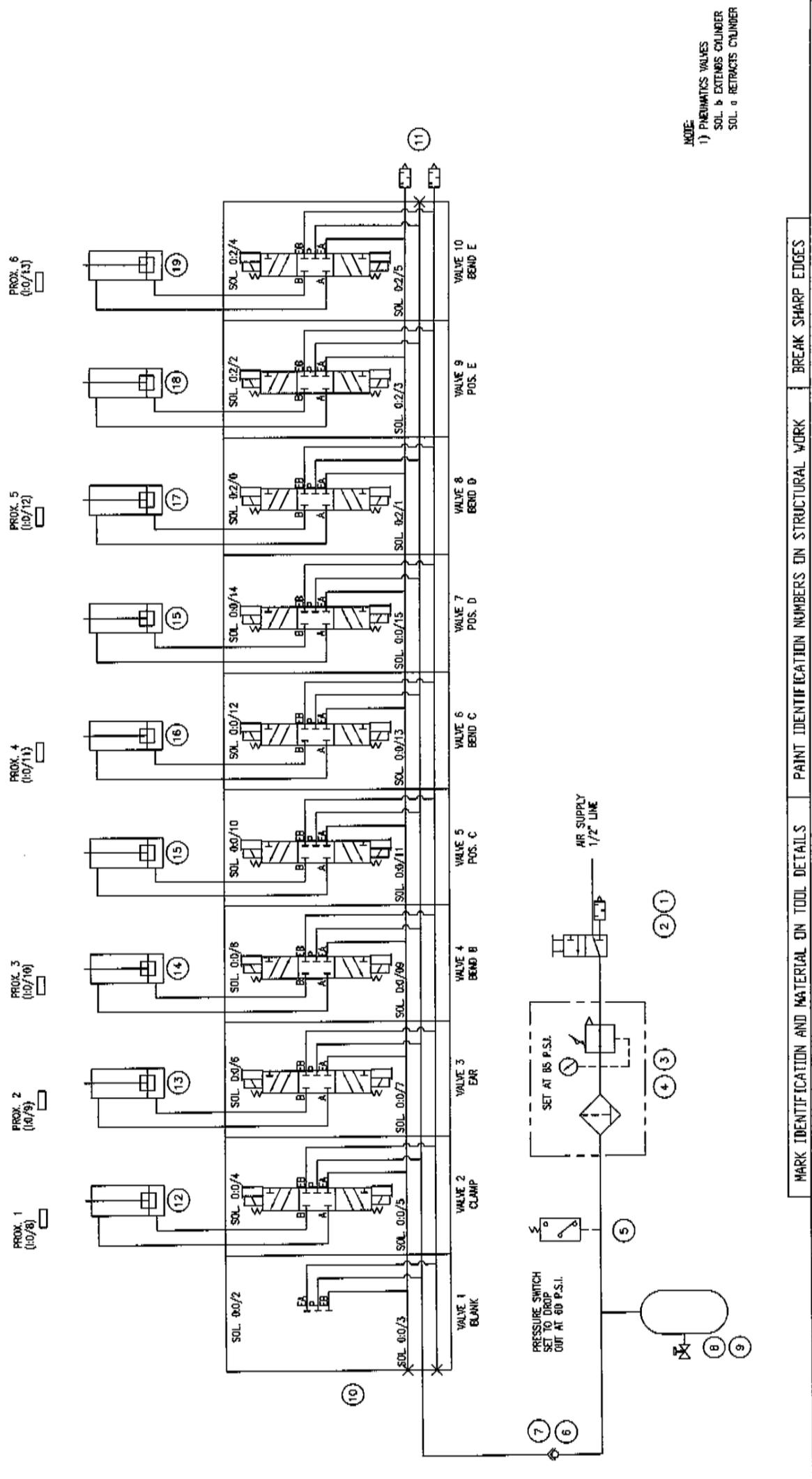
Customer Name

TOOL Power Bender-No. Excel 212
NAME Pneumatic Schematic

PART NAME Sample Tube
PART NO. 4196783222

DRAWN BY: Moomman **SHT. 1** **SCALE FILE NAME**
DATE: 2-23-1991 **OF 1** **none** **SampleP1**

DESIGN & BUILD BY: EXCEL **SERIAL NUMBER: 231961**
MACHINE & TOOL INC.



PROX. 1 (10/8)

PROX. 2 (10/9)

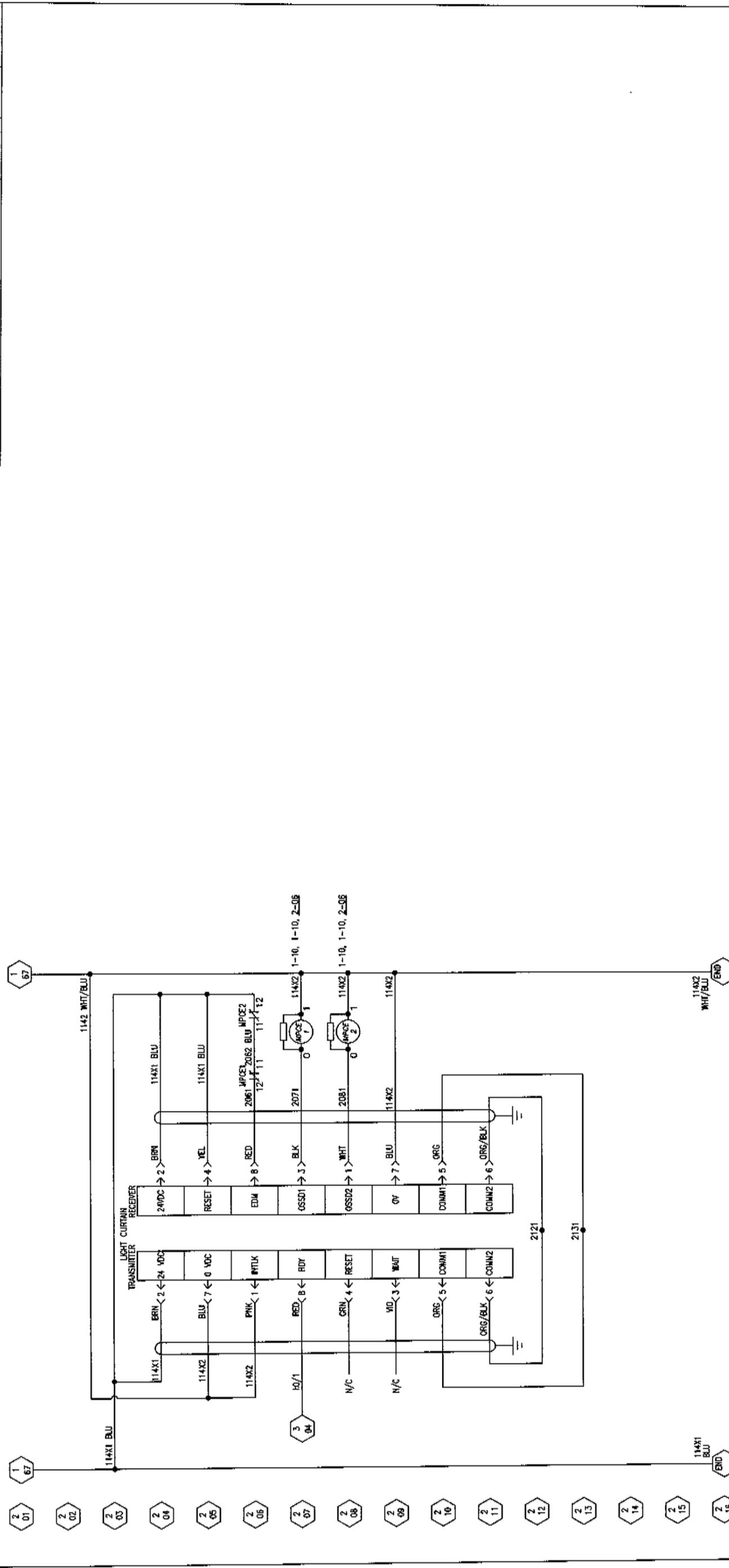
PROX. 3 (10/10)

PROX. 4 (10/11)

PROX. 5 (10/12)

PROX. 6 (10/13)

REV	DESCRIPTION	DATE	APPROVED	JOB NUMBER
NI	RELEASE TO BUILD			

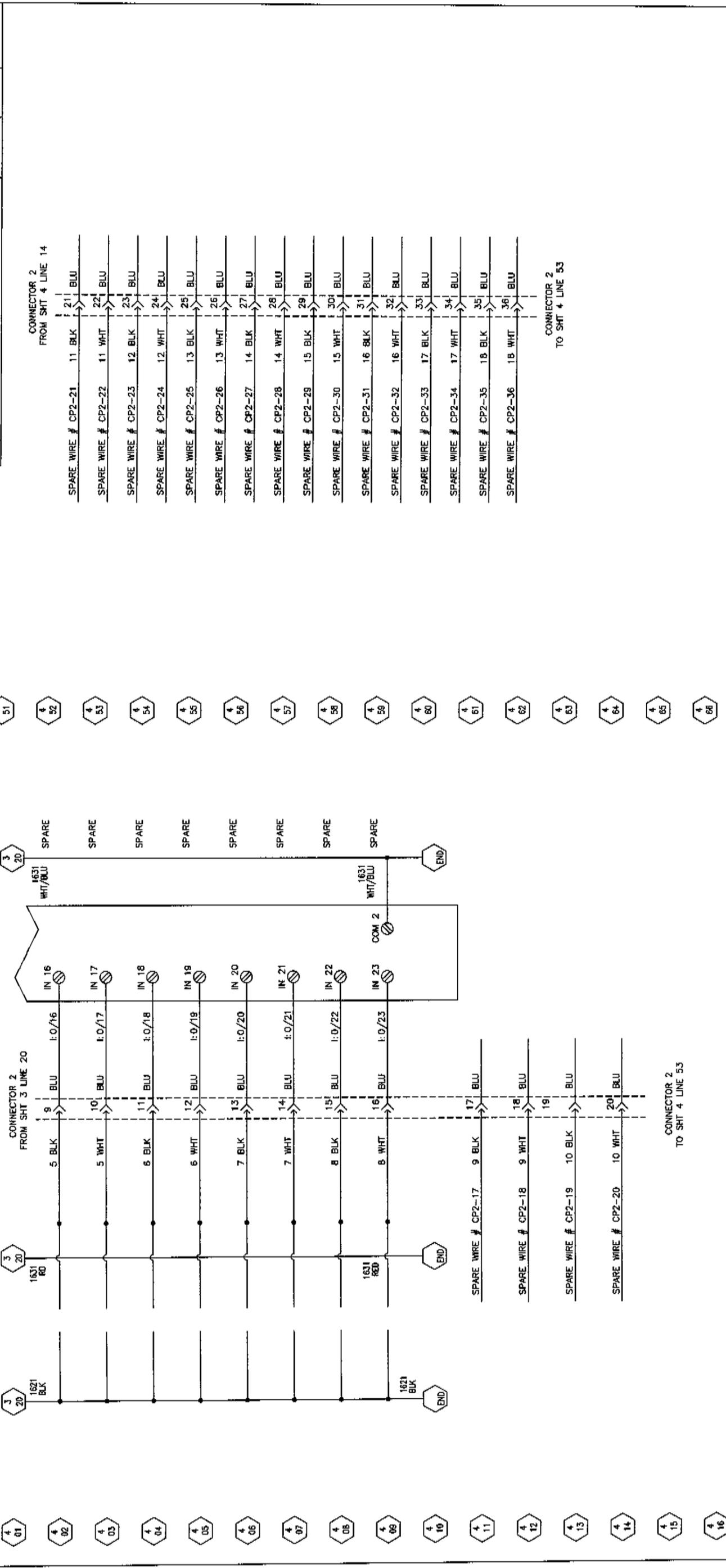


Customer Name			
TOOL Power Bender-No. Excel 212			
NAME Electrical Schematic			
PART NAME Sample Tube			
PART NO. 4196783222			
DRAWN BY: Mooriman	SHT. 2	SCALE	FILE NAME
DATE: 2-23-1991	OF 11	none	SampleE2
DESIGN & BUILD BY: EXCEL MACHINE & TOOL INC.			SERIAL NUMBER: 231961

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2	01
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MARK IDENTIFICATION AND MATERIAL ON TOOL DETAILS PAINT IDENTIFICATION NUMBERS ON STRUCTURAL WORK BREAK SHARP EDGES

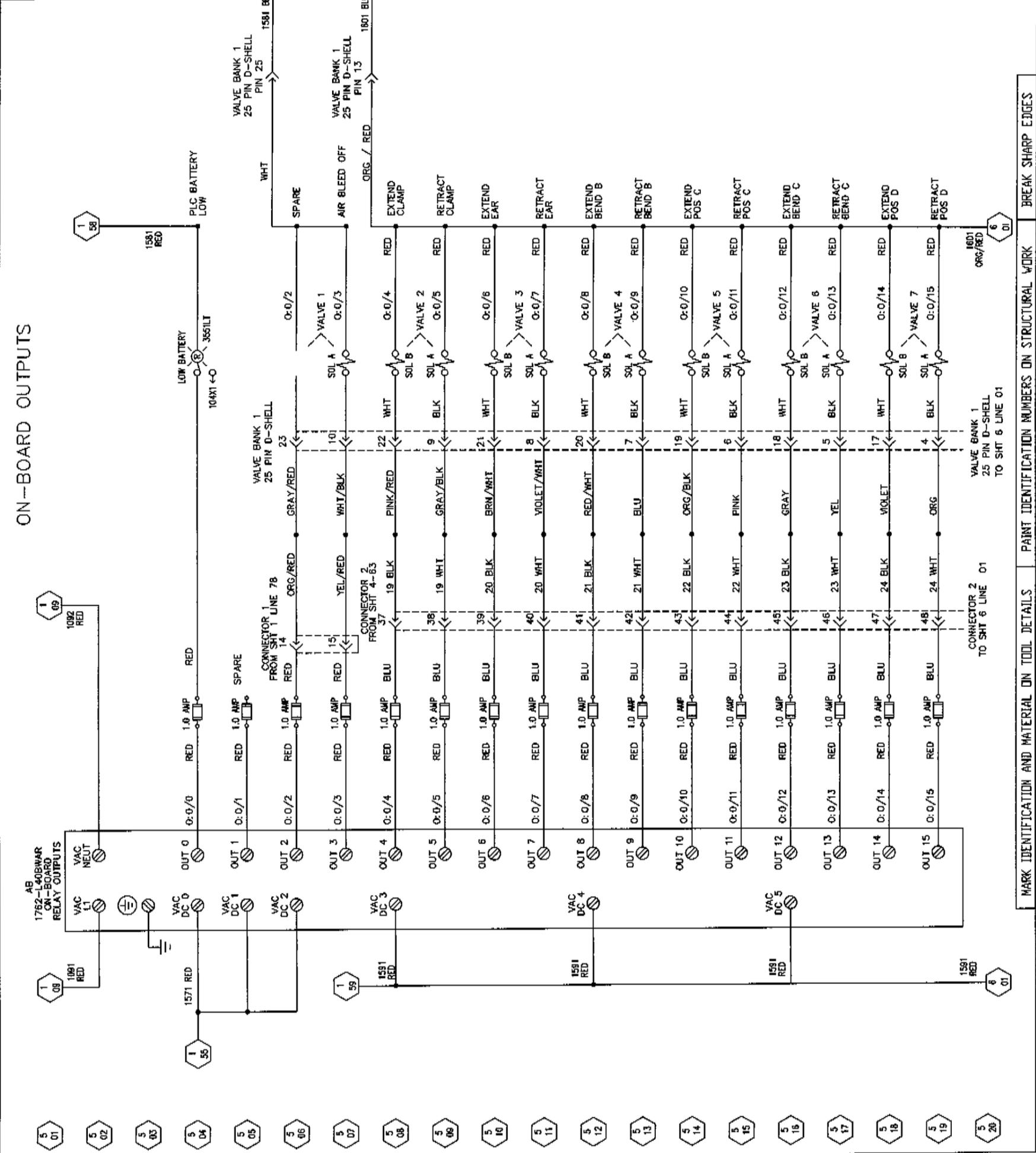
REV	DESCRIPTION	DATE	APPROVED	JOB NUMBER
NI	RELEASE TO BUILD			



Customer Name			
TOOL Power Bender-No Excel 212			
NAME Electrical Schematic			
PART NAME Sample Tube			
PART NO. 4196783222			
DRAWN BY:	SHT.	SCALE	FILE NAME
Moorman	4	none	SampleE4
DATE:	OF 11		
2-23-1991			
DESIGN & BUILD BY:	SERIAL NUMBER:		
EXCEL MACHINE & TOOL INC.	231961		

MARK IDENTIFICATION AND MATERIAL ON TOOL DETAILS PAINT IDENTIFICATION NUMBERS ON STRUCTURAL WORK BREAK SHARP EDGES

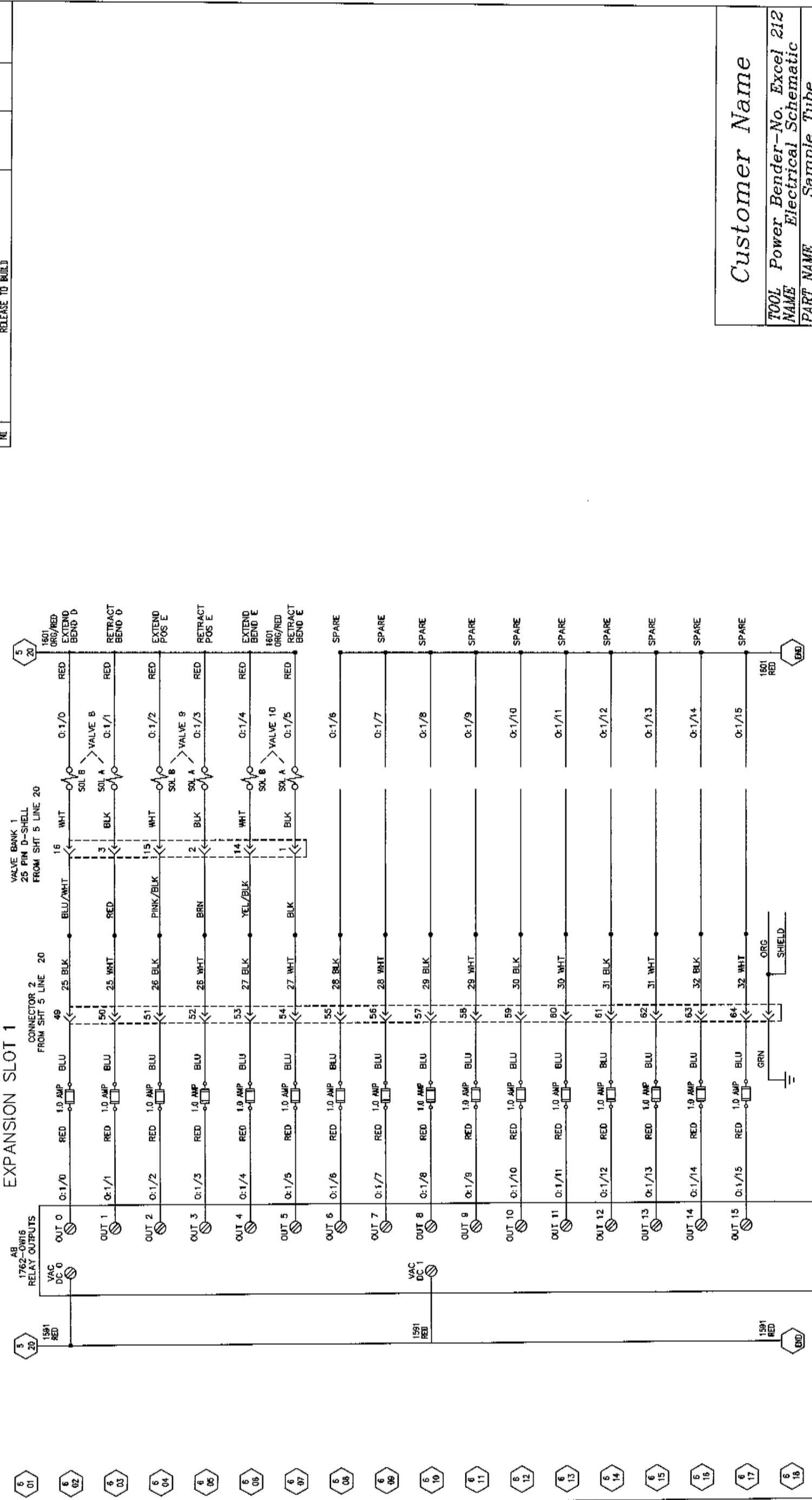
REV	DESCRIPTION	DATE	APPROVED	JOB NUMBER
NI	RELEASE TO BUILD			



Customer Name	
TOOL NAME	Power Bender-No Excel 212 Electrical Schematic
PART NAME	Sample Tube
PART NO.	4196783222
DRAWN BY:	Moorman
DATE:	2-23-1991
SCALE	5 OF 11
FILE NAME	SampleE5
DESIGN & BUILD BY:	EXCEL MACHINE & TOOL INC.
SERIAL NUMBER:	231961

MARK IDENTIFICATION AND MATERIAL ON TOOL DETAILS PAINT IDENTIFICATION NUMBERS ON STRUCTURAL WORK BREAK SHARP EDGES

REV	DESCRIPTION	DATE	APPROVED	JOB NUMBER
NI	RELEASE TO BUILD			

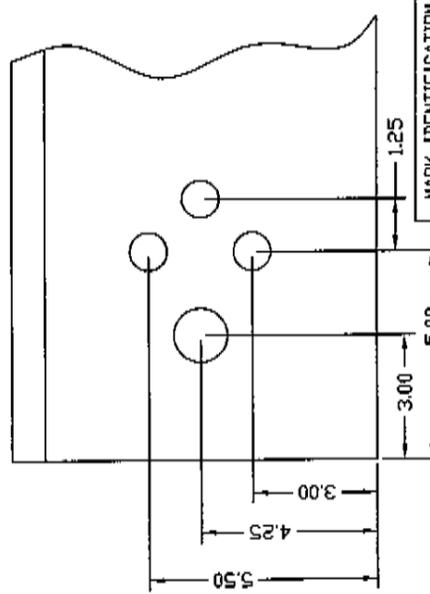
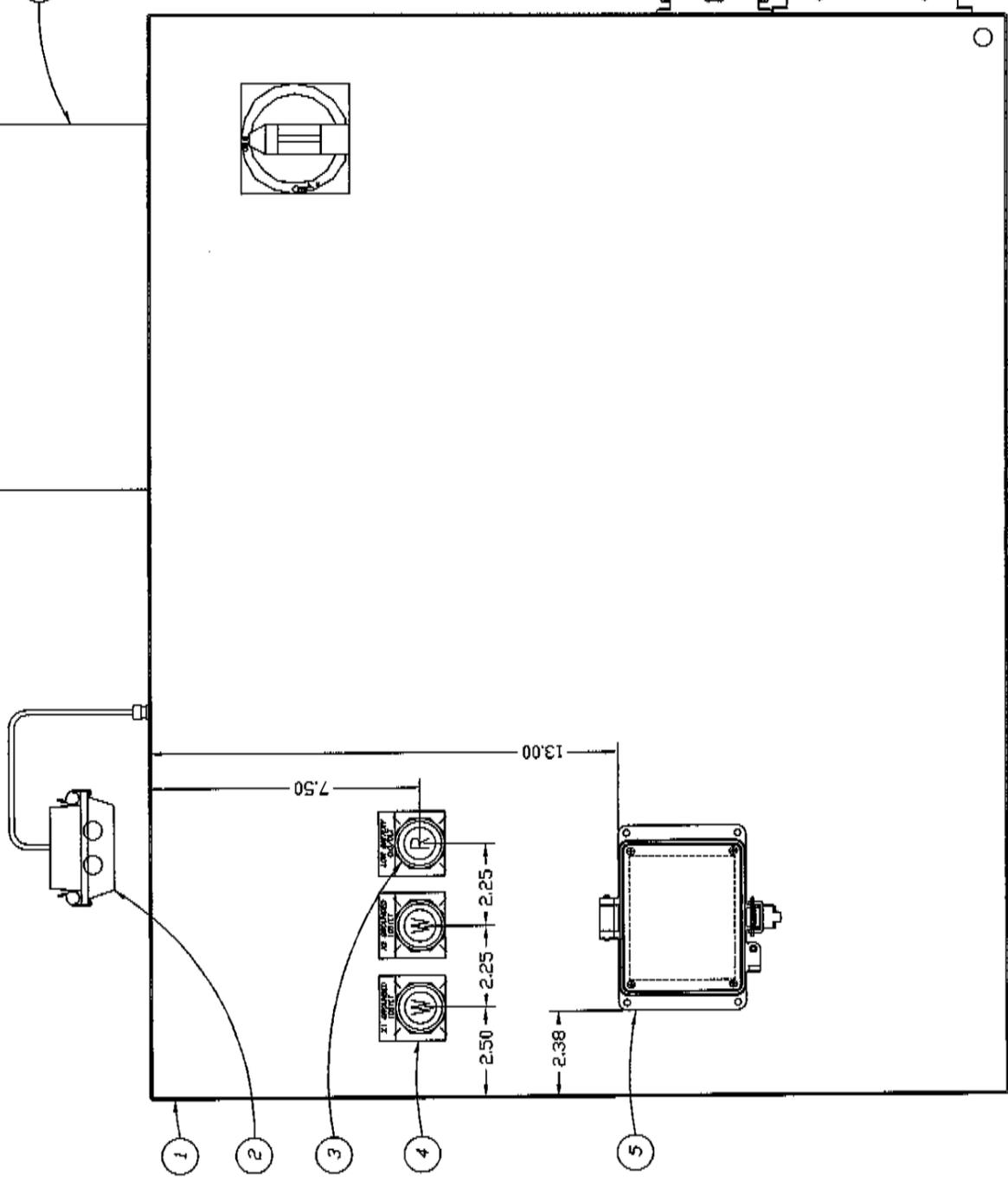
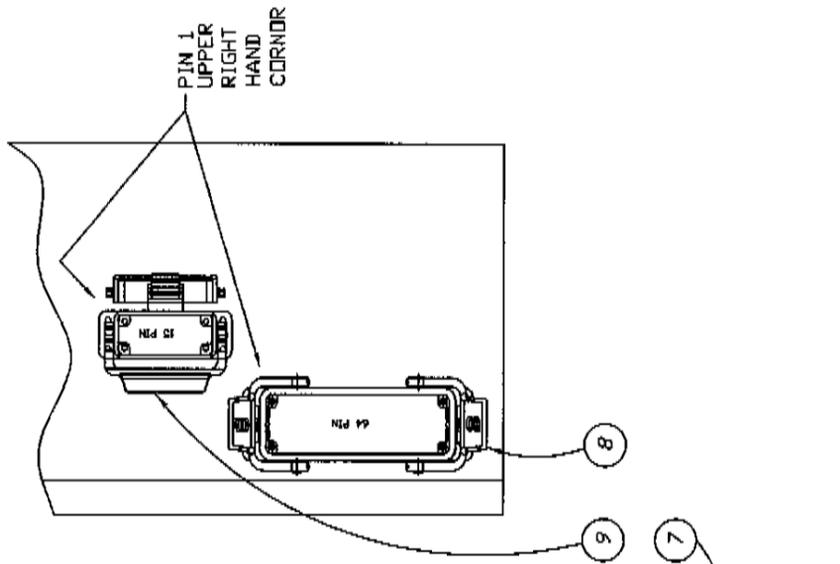
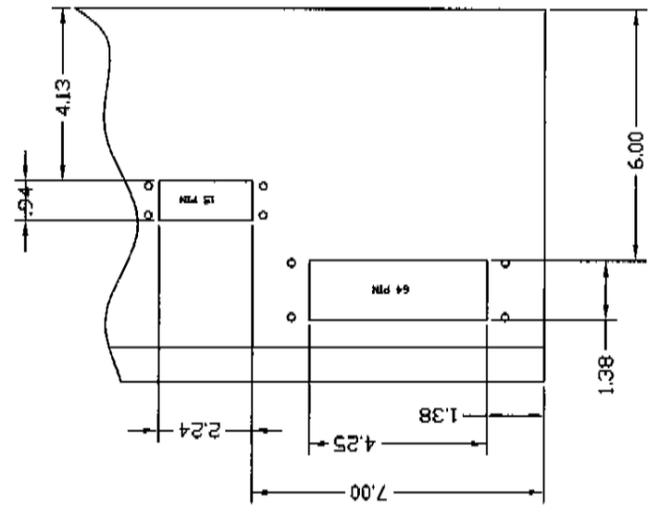


Customer Name	
TOOL NAME	Power Bender-No. Excel 212
PART NAME	Electrical Schematic
PART NO.	Sample Tube
DRAWN BY:	Moorman
DATE:	2-23-1991
SHT. OF 11	6
SCALE	none
FILE NAME	SampleE6
DESIGN & BUILD BY:	EXCEL MACHINE & TOOL INC.
SERIAL NUMBER	231961

MARK IDENTIFICATION AND MATERIAL ON TOOL DETAILS PAINT IDENTIFICATION NUMBERS ON STRUCTURAL WORK BREAK SHARP EDGES

- 01
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REV	DESCRIPTION	DATE	APPROVED	JOB NUMBER
NI	RELEASE TO BUILD			



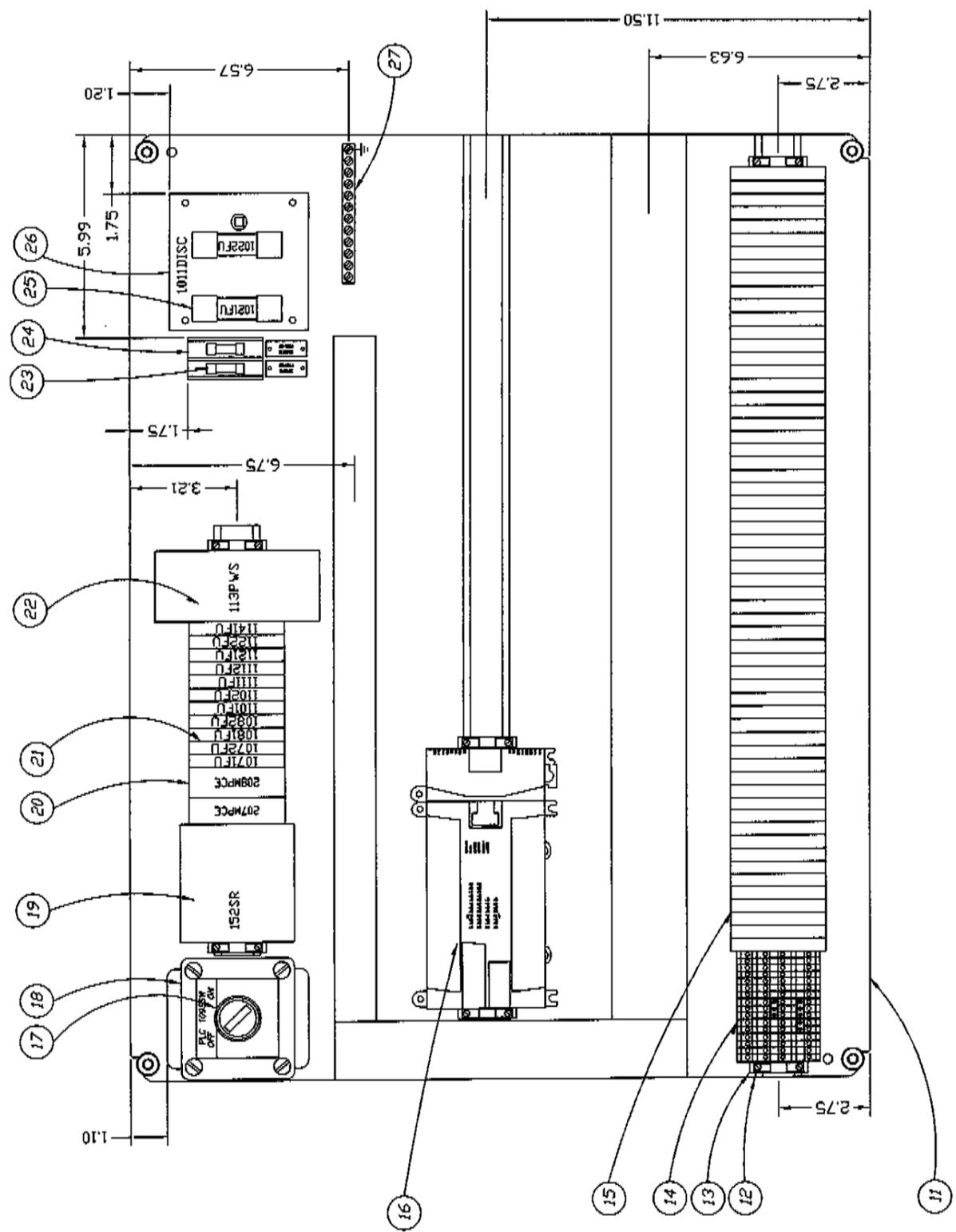
10	0MTT	
9C	09 15 000 6201	HARTING CRIMP CONTACT FEMALE 16AWG
9B	09 21 015 3101	HARTING HAN 150 CONNECTOR FEMALE SIZE 10A
9A	09 20 010 0321	HARTING HOUSING SIZE 10A 15 PINS
8C	09 15 000 6204	HARTING CRIMP CONTACT FEMALE 20AWG
8B	09 21 064 3101	HARTING HAN 640 CONNECTOR FEMALE SIZE 24B
8A	09 20 024 0301	HARTING HOUSING SIZE 24B 64 PINS
7D	09-63181	KEYENCE MOUNTING BRACKET FOR SL SERIES MIDDLE
7C	09-62347	KEYENCE MOUNTING BRACKET FOR SL SERIES 1 PAIR
7B	SL-WP19P	KEYENCE 16 METER CABLES PNP 1 PAIR
7A	SL-V40K	KEYENCE LIGHT CURTAIN 40 BEAN AXIS 30.7 INCHS
6	HS171BS	SOLA/HEV DUTY GENERAL PURPOSE TRANSFORMER 100VA
5	P-A4-K3670	GRAGE PORT 8-PIN MINI CONNECTION 120 VOLT 6P
4	800T-PT1618W	ALLEN BRADLEY PUSH TO TEST WHITE PILOT LIGHT
3	800T-PT1618R	ALLEN BRADLEY PUSH TO TEST RED PILOT LIGHT
2B	F327B / TL735	4FT 112 LIGHT BULBS
2A	LB 2 32	FLUORESCENT LIGHT FIXTURE WRAP AROUND 120 VOLTS
1	CS024308	HOPPMAN ENCLOSURE

SHT. 7 OF 11		SCALE	FILE NAME
DATE: 2-23-1991		none	SampleE7
DRAWN BY: Moorman			
PART NO. 41967833222			
PART NAME Sample Tube			
NAME Electrical Schematic			
TOOL Power Bender-No. Excel 212			

MARK IDENTIFICATION AND MATERIAL ON TOOL DETAILS PAINT IDENTIFICATION NUMBERS ON STRUCTURAL WORK BREAK SHARP EDGES

EXCEL MACHINE & TOOL INC. SERIAL NUMBER: 231961

REV	DESCRIPTION	DATE	APPROVED	JOB NUMBER
01	RELEASE TO BUILD			



27	ECOBIG	SIEMENS GROUND BAR KIT 10 POS. #14-4	1
28	194R-NR3DP34ER1	ALLEN BRADLEY FUSED DISCONNECT SWITCH	1
29	LPJ-5	BUSWAY CLASS J 5A FUSE	2
24B	SANI-7	FINGER SAFE COVER	2
24A	B06032SQ	BUSWAY CLASS R FUSE BLOCK	1
23	FRN-R-10	BUSWAY CLASS R 10A FUSE	2
22	SDK25-24-100P	SOLA POWER SUPPLY 90 WATT 24VDC @ 2.5 AMPS	1
21C	40L-8	TIME DELAY FUSE 8 AMPS 1/4 X 1 1/4	4
21B	40L-5	TIME DELAY FUSE 5 AMPS 1/4 X 1 1/4	4
21A	40L-2	TIME DELAY FUSE 2 AMPS 1/4 X 1 1/4	3
20	44532-2010	STI FORCE GUIDED RELAY MODULE W/SOCKET	2
19	7706B3	PL2 SAFETY RELAY PHOZ N3 780V/1NC	1
18	E-1PB	HOFFMAN 1 HOLE PUSH BUTTON BOX	1
17	800T-H2B	ALLEN BRADLEY SELECTOR SWITCH 2POS 240 2NC ON/IT	1
16F		ON/IT	
16E		ON/IT	
16D		ON/IT	
16C		ON/IT	
16B	1762-0M16	ALLEN BRADLEY 16 PT RELAY OUTPUT MODULE	1
16A	1762-L4GBWAR	ALLEN BRADLEY 1200 BASE 24 IN/16 OUT 2 PRD. PORTS	1
15B	NUL-1	TIME DELAY FUSE 1 AMPS 1/4 X 1 1/4	28
15A	300A171	PHOENIX FUSE HOLDERS FOR 1/4 X 1 1/4	38
14E	3030174	PHOENIX 3 POS TERMINAL JUMPER	2
14D	3030161	PHOENIX 2 POS TERMINAL JUMPER	1
14C	3047283	PHOENIX TERMINAL COVER PLATE	1
14B	3047316	PHOENIX PARTITION PLATE	3
14A	3044836	PHOENIX DOUBLE TERMINAL BLOCK	18
13	3022376	PHOENIX CUPLEX 35-5 ENDSTOP	6
12	119-1061	35MM DIN RAIL	1
11	0798024	HOFFMAN PANEL	1
TOTAL		EXCEL	37

Customer Name

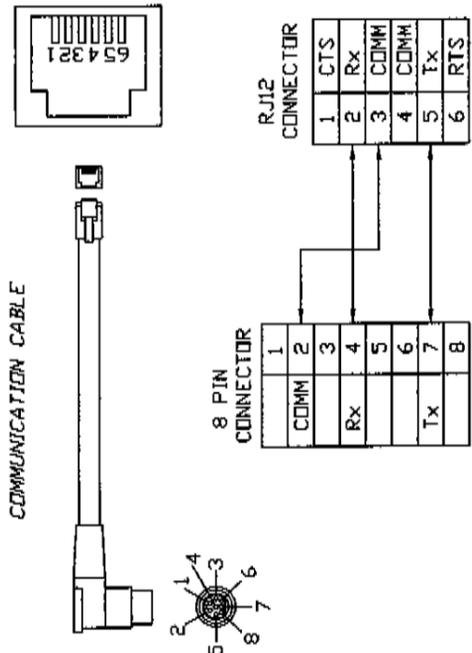
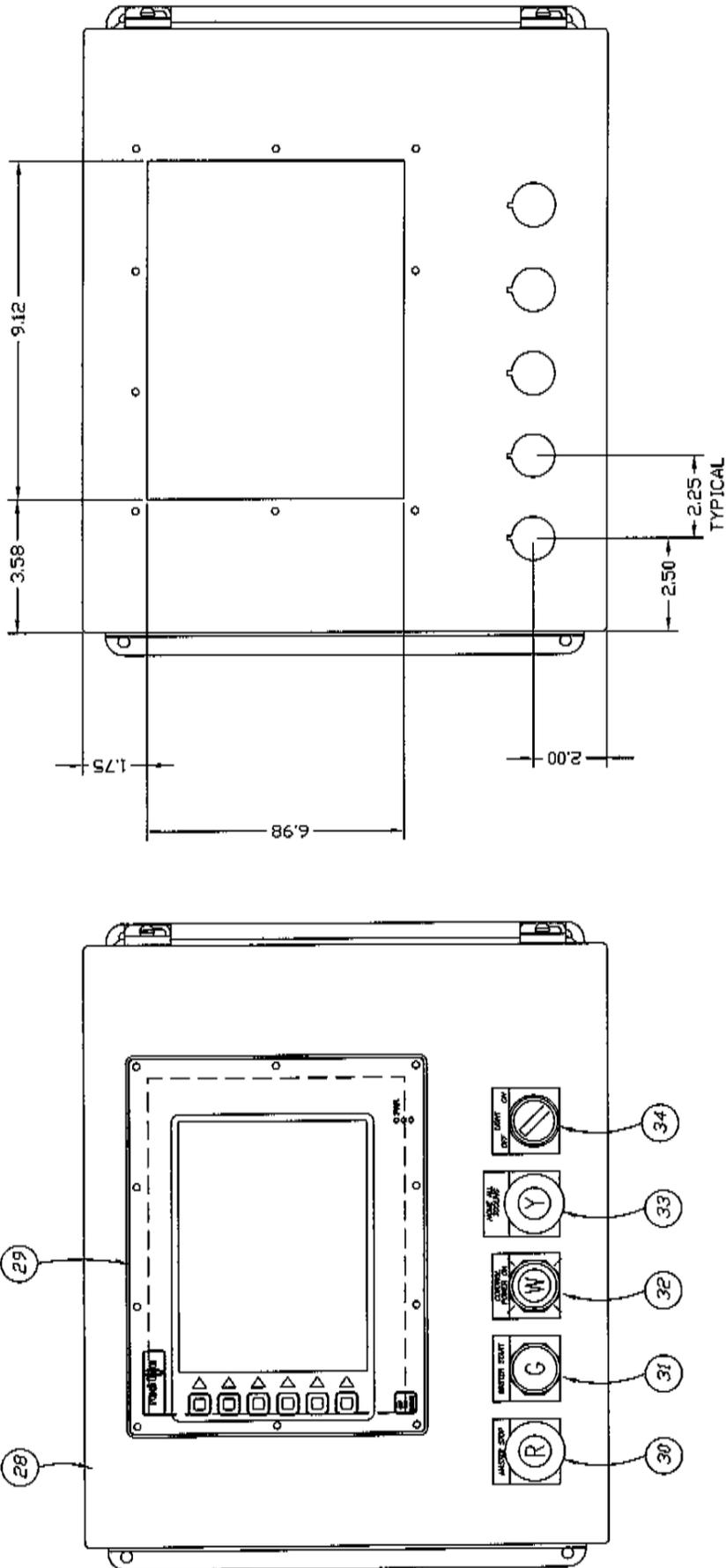
TOOL Power Bender-No. Excel 212
 NAME Electrical Schematic
 PART NAME Sample Tube
 PART NO. 41967833222

DRAWN BY: Moorman
 DATE: 2-23-1991
 SHT. 8 OF 11
 SCALE none
 FILE NAME SampleE8

DESIGN & BUILD BY: EXCEL MACHINE & TOOL INC.
 SERIAL NUMBER: 231961

MARK IDENTIFICATION AND MATERIAL ON TOOL DETAILS PAINT IDENTIFICATION NUMBERS ON STRUCTURAL WORK BREAK SHARP EDGES

REV	DESCRIPTION	DATE	APPROVED	JOB NUMBER
NI	RELEASE TO BUILD			



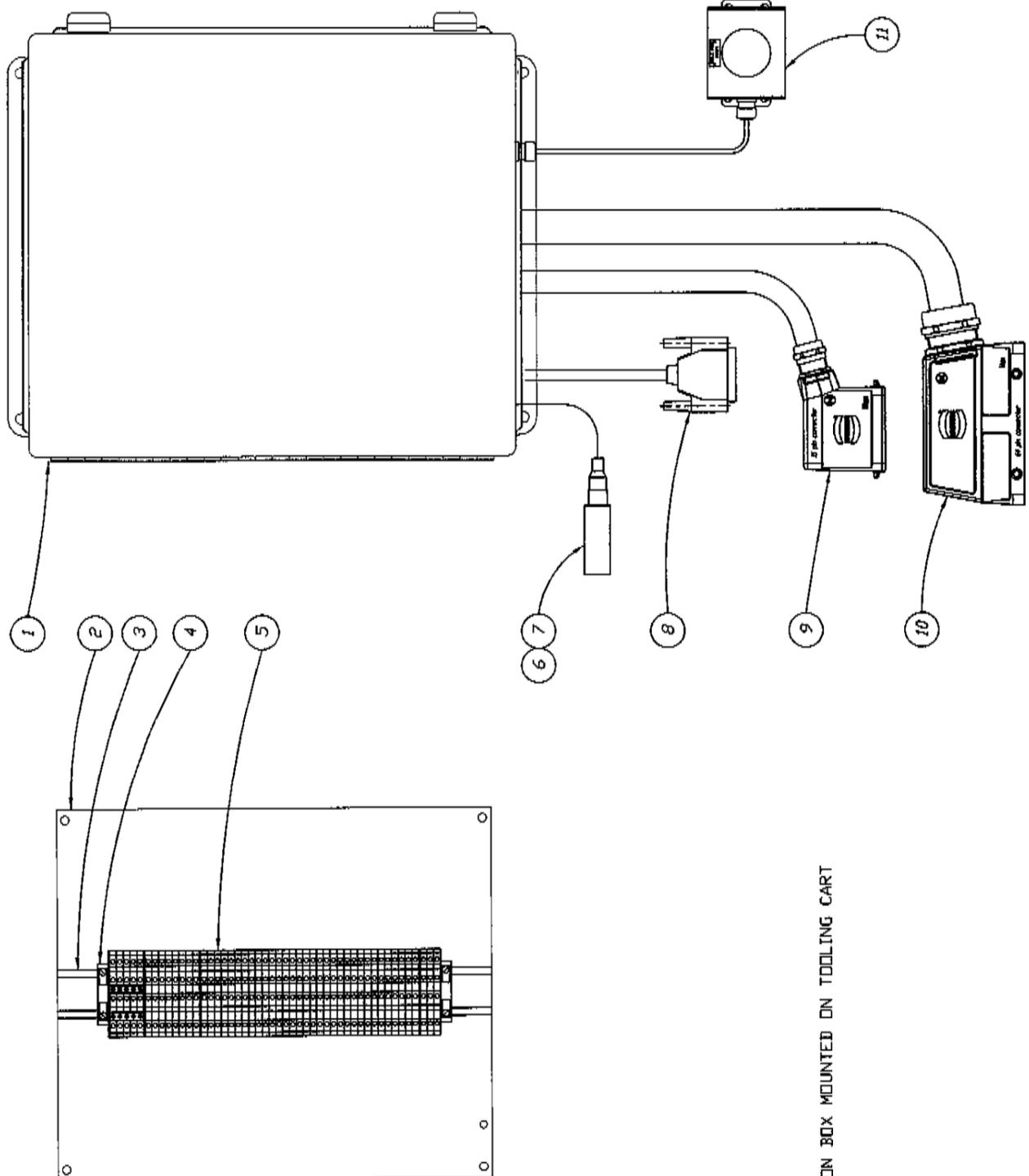
34	800T-H2A	ALLEN BRADLEY SELECTOR SWITCH 2 POSITION	1
33	800T-D9A	ALLEN BRADLEY BUTTON YELLOW MUSHROOM	1
32	800T-P1816M	ALLEN BRADLEY PUSH TO TEST WHITE PLOT LIGHT	1
31	800T-A1A	ALLEN BRADLEY PUSH BUTTON GREEN FLUSH	1
30	800T-F20A2	ALLEN BRADLEY BUTTON RED PUSH PULL	1
29E	RJ-11	CRIMP CONNECTOR	1
29D	278-1539	RADIO SHACK D-SUB CONNECTOR HOOD	1
29C	278-1536	RADIO SHACK D-SUB CONNECTOR 9 PIN FEMALE	1
29B	1833A-005100	BELOM 24AWG 4 PAIR TWISTED CABLE	30
29A	030602000	RED LUMI OPERATOR TERMINAL 7.7 INCH SCREEN	1
28	A-1614085	HOPTMAN JUNCTION BOX 16 X 14 X 8	1
27E	F-431 WUDET	LECTURER	QT.

Customer Name

TOOL NAME	Power Bender - No. Excel 212
Electrical Schematic	
PART NAME	Sample Tube
PART NO.	41967833222
DRAWN BY:	Moorman
DATE:	2-23-1991
SHT.	9
OF	11
SCALE	none
FILE NAME	SampleE9
DESIGN & BUILD BY:	EXCEL MACHINE & TOOL INC.
SERIAL NUMBER:	231961

MARK IDENTIFICATION AND MATERIAL ON TOOL DETAILS PAINT IDENTIFICATION NUMBERS ON STRUCTURAL WORK BREAK SHARP EDGES

REV	DESCRIPTION	DATE	APPROVED	JOB NUMBER
NI	RELEASE TO BUILD			



JUNCTION BOX MOUNTED ON TOOLING CART

11	800P-82001A	ALLEN BRADLEY PAIN BUTTON & GUARD ASSEMBLY	1
10E	1061A0102500	BELDON 20 GAUGE - 36 TWISTED PAIR CABLE	25
100	19000005096	HARTING CORD GRP 30MM THREAD 18MM-23MM CORD	1
10C	09150006103	HARTING CRIMP CONTACT MALE 20AWG	85
10B	09210043001	HARTING HAN 840 CONNECTOR MALE SIZE 248	1
10A	19300240327	HARTING HOOD SIZE 248 64 PINS	1
9E	273301A	BELDON 18 GAUGE - 18 CONDUCTOR CORD	25
9D	18090005094	HARTING CORD GRP 30MM THREAD 10MM-14MM CORD	1
9C	09150006103	HARTING CRIMP CONTACT MALE 18AWG	16
9B	09210153001	HARTING HAN 150 CONNECTOR MALE SIZE 10A	1
9A	19200101540	HARTING HOOD SIZE 10A 18 PINS	1
8	ATX100-DS25-030	25 PIN SUB D CONNECTOR - 3M LENGTH	3
7B	U2218-0	TURK 90 DISCONNECT CABLE 3 PIN EUROFAST 6 METER	12
7A	U215B	TURK ST. DISCONNECT CABLE 3 PIN EUROFAST 6 METER	12
6E	N1634806	TURK 12MM NON-SHELD 24VDC PIP PROX EUROFAST	2
6D	N1634804	TURK 12MM SHIELDED 24VDC PIP PROX EUROFAST	2
6C	84821690	TURK CYL. MOUNTED PROX FOR 3 WIRE PIP	4
6B	84623083	TURK CYL. MOUNTED PROX FOR 5MM SLOT 3 WIRE PIP	18
6A	6870605	TURK CLAMP STRAP WITH HOUSING 1.02-1.535 DIA.	2
5C	3030213	PHOENIX 10 POS TERMINAL JUMPER (cut down to 6)	2
5B	3030190	PHOENIX 5 POS TERMINAL JUMPER	0
5A	3030174	PHOENIX 3 POS TERMINAL JUMPER	0
50	3030101	PHOENIX 2 POS TERMINAL JUMPER	0
5C	3047283	PHOENIX TERMINAL COVER PLATE	2
5B	3047318	PHOENIX PATTERN PLATE	4
5A	3044636	PHOENIX DOUBLE TERMINAL BLOCK	74
4	3022276	PHOENIX CLIPPER 35-5 DIOSSTOP	4
3	119-0R1	35MM DIN RAIL	1
2	A14P12	HOFMANN PANEL	1
1	AA4120H	HOFMANN ENCLOSURE	1
REV	7457-000022	DESCRIPTION	DATE
		EMLS OF MATERIAL	07/

Customer Name

TOOL Power Bender - No. Excel 212
 NAME Electrical Schematic
 PART NAME Sample Tube
 PART NO. 41967833222

DRAWN BY: Moorman
 DATE: 2-23-1991
 SHT: 10 OF 11
 SCALE: none
 FILE NAME: SampleE10

DESIGN & BUILD BY: EXCEL
 MACHINE & TOOL INC.
 SERIAL NUMBER: 231961

MARK IDENTIFICATION AND MATERIAL ON TOOL DETAILS PAINT IDENTIFICATION NUMBERS ON STRUCTURAL WORK BREAK SHARP EDGES

