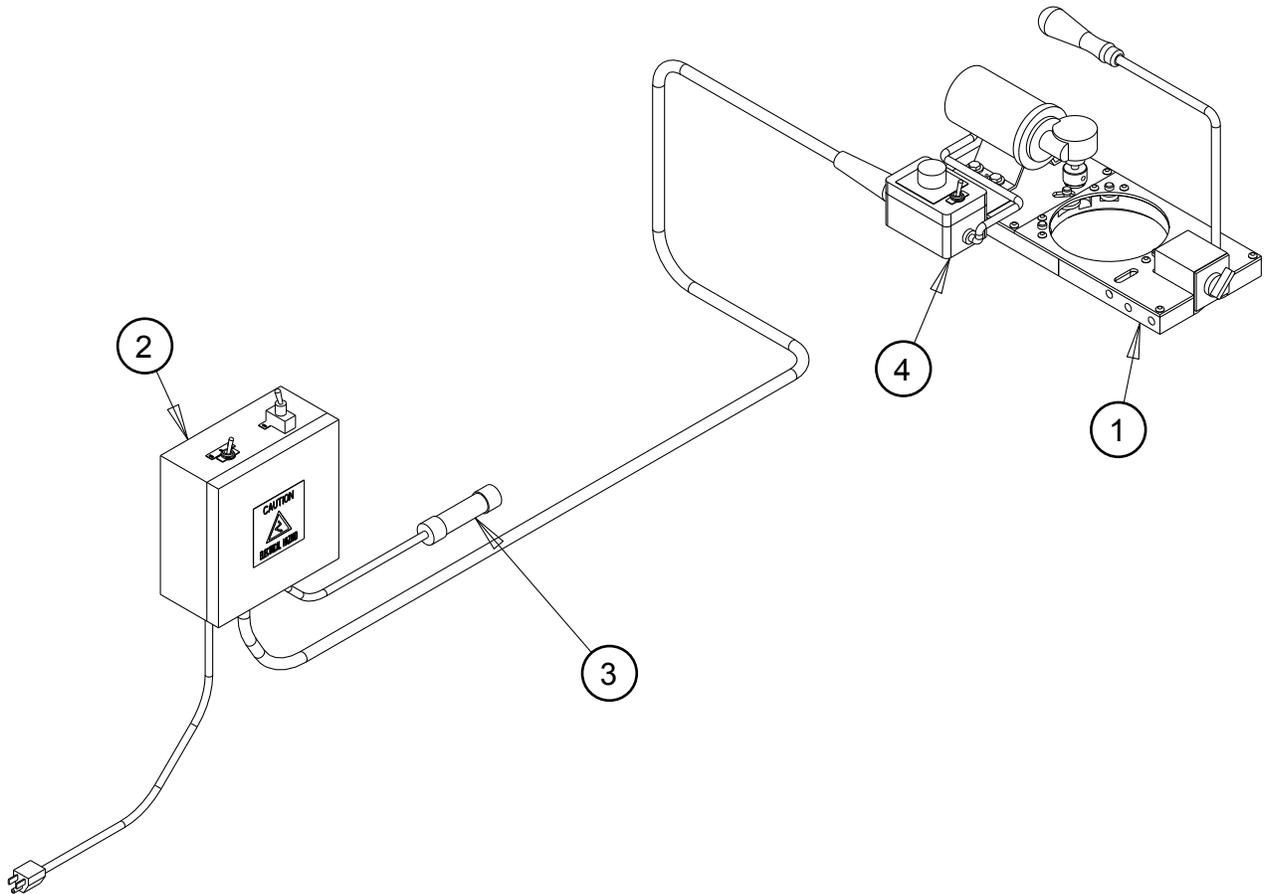


HOLE CUTTER SYSTEM



North Alabama Pipe
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Innovators Of Pipe Fabrication Equipment

SHEET #1



HOLECUTTER COMPLETE BASE ASSEMBLY



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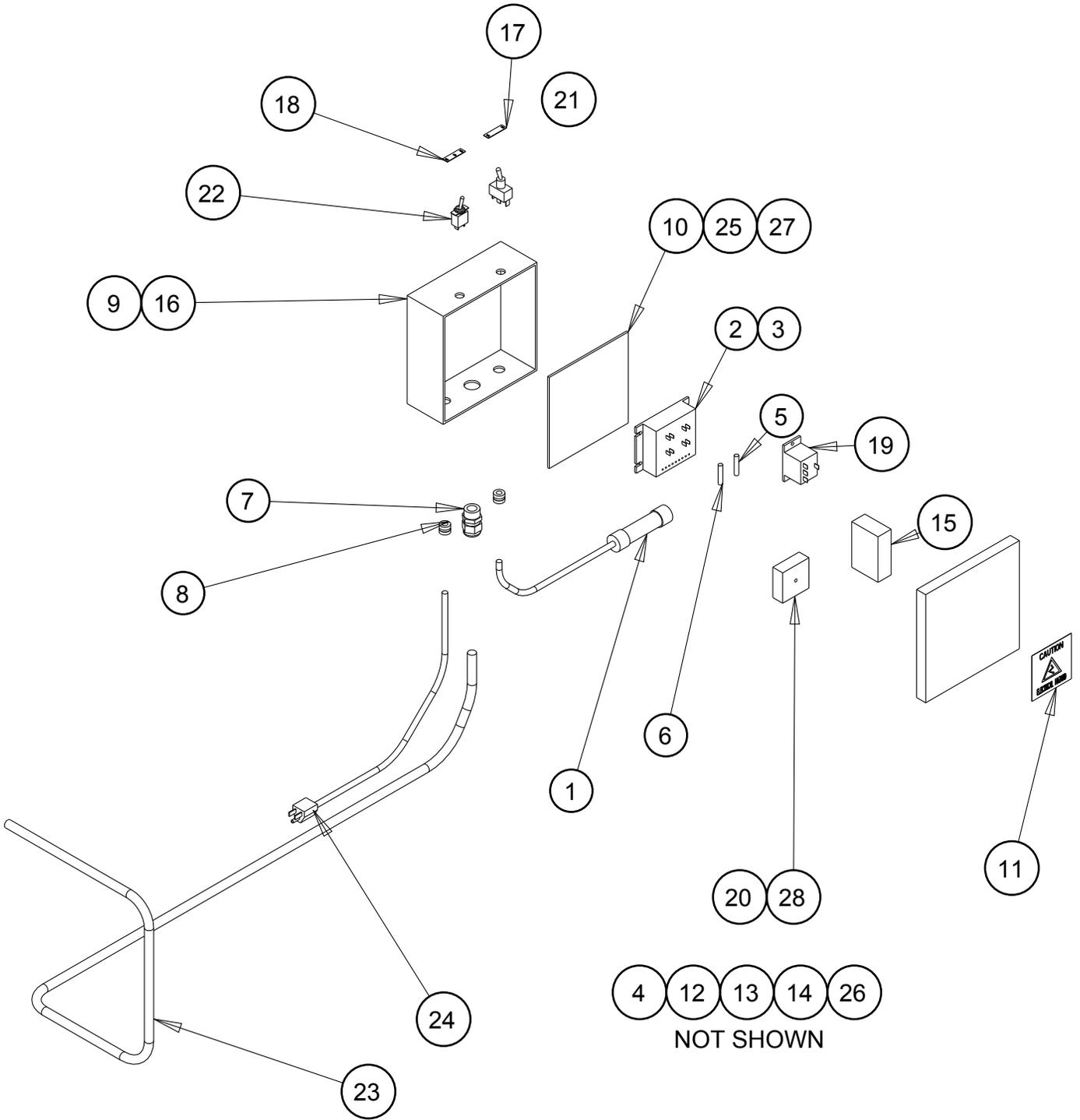
20-HAS-COMPLETE BASE
SHEET #2

HOLECUTTER COMPLETE BASE PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
1	20-HAS-BASE ASSY	1	HOLECUTTER BASE ASSEMBLY
2	20-HAS-ELECTRICAL	1	HOLECUTTER ELECTRICAL ASSEMBLY
3	20-HAS-AUTOSTART ASY	1	AUTOSTART ASSEMBLY
4	20-HAS-SPEED CNTRL	1	HOLECUTTER SPEED CONTROL ASSEMBLY

HOLECUTTER BASE ASSEMBLY PARTS LIST

ITEM	PART No.	QTY	DESCRIPTION
1	BRG-902	3	BEARING
2	HMP-5000	1	BASE PLATE
3	HMP-5001	1	SMALL COVER PLATE
4	HMP-5002	1	LARGE COVER PLATE
5	HMP-5500	1	KNURLED WHEEL
6	HMP-5501	1	SLIDE
7	HMP-5502	1	IDLER WHEEL
8	HMP-5504	1	HANDLE ROD
9	HMP-5505	1	BASE MAGNET
10	MSC-502	1	WOOD HANDLE
11	MSC-505	1	LEVEL VIAL
12	MSC-512	1	SERIAL PLATE
13	MSC-513	1	COMPRESSION SPRING
14	MTR-101	1	GP231002 MOTOR
15	FAS-E2	11	#10-24 X 1/2" LG. BHSCS
16	FAS-F9	4	1/4-20 X 3/4" LG. HHCS
17	FAS-F16	1	1/4-20 X 1/4" LG. SHSS
18	FAS-F20	4	∅ 1/4 X 1/2" LG SHSB
19	FAS-F38	4	∅ 1/4" FLAT WASHER
20	FAS-H16	4	3/8-16 X 1/2" LG. SHSS
21	FAS-H19	1	3/8-16 HEX NUT
22	FAS-H22	1	∅ 3/9" FLAT WASHER
23	FAS-H23	1	∅ 3/8 LOCK WASHER
24	FAS-RPIN #2	2	∅ 1/8" X 1" LG. ROLL PIN
25	FAS-SHIM #1	1	1/4 I.D. X .02 THICK



HOLECUTTER ELECTRICAL ASSEMBLY



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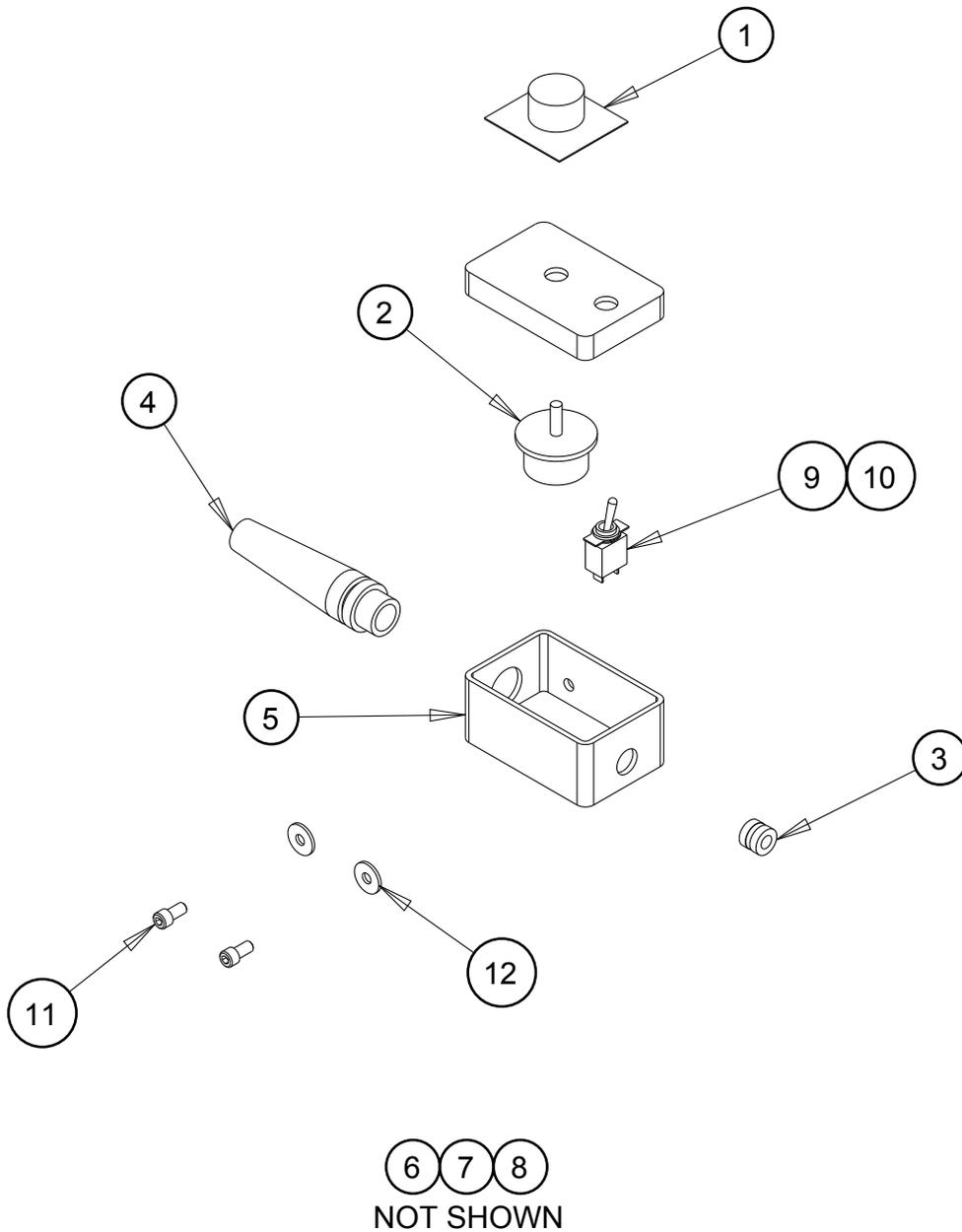
Innovators Of Pipe Fabrication Equipment

20-HAS-ELECTRICAL-1

SHEET #6

HOLECUTTER ELECTRICAL ASSEMBLY PARTS LIST

ITEM	PART No.	QTY	DESCRIPTION
1	20-HAS-AUTOSTART ASY	1	AUTOSTART ASSEMBLY
2	DRV-190	1	DC DRIVE BOARD
3	DRV-152	1	TERMINAL BOARD
4	EPP-0262	1	DIODE
5	EPP-0122	1	FUSE 1A
6	EPP-0123	1	FUSE 3A
7	EPP-0133	1	LARGE STRAIN RELIEF
8	EPP-0134	2	SMALL GROMMET
9	EPP-0182	1	ENCL 120-407 LG HC
10	EPP-0183	1	BPLATE 195-007
11	EPP-0257	1	ELECT HAZ LABEL SM
12	EPP-0268	2	.187 F DISCONNECT 22-18 AWG PARTIALLY INSULATED
13	EPP-0269	10	.25 F DISCONNECT 22-18 AWG PARTIALLY INSULATED
14	EPP-0303	2	FORK TERMINAL 22-18 AWG
15	EPP-0336	1	24V DC POWER SUPPLY
16	MSC-515	2	VELCRO HOOK & LOOP 2 X 6" LG.
17	SWT-0005	1	LABLE FOR 2 POS. SWITCH
18	SWT-0006	1	LABLE FOR 3 POS. SWITCH
19	SWT-0063	1	RELAY DC-24V
20	EPP-0334	1	TIMER
21	SWT-0035	1	2 POS. TOGGLE SWITCH
22	SWT-0037	1	3 POS. TOGGLE SWITCH
23	WIR-820	1	18-6 SO CORD X 25FT.
24	WIR-823	1	PLUG CORD
25	FAS-D3	2	#8-32 X 3/8" LG.RSLMS
26	FAS-D4	1	#8-32 X 1/2" LG. RSLMS
27	FAS-D5	1	#8-32 X 3/4" LG. RSLMS
28	FAS-D6	1	#8-32 X 1" LG. RSLMS



HOLECUTTER SPEED CONTROL ASSEMBLY



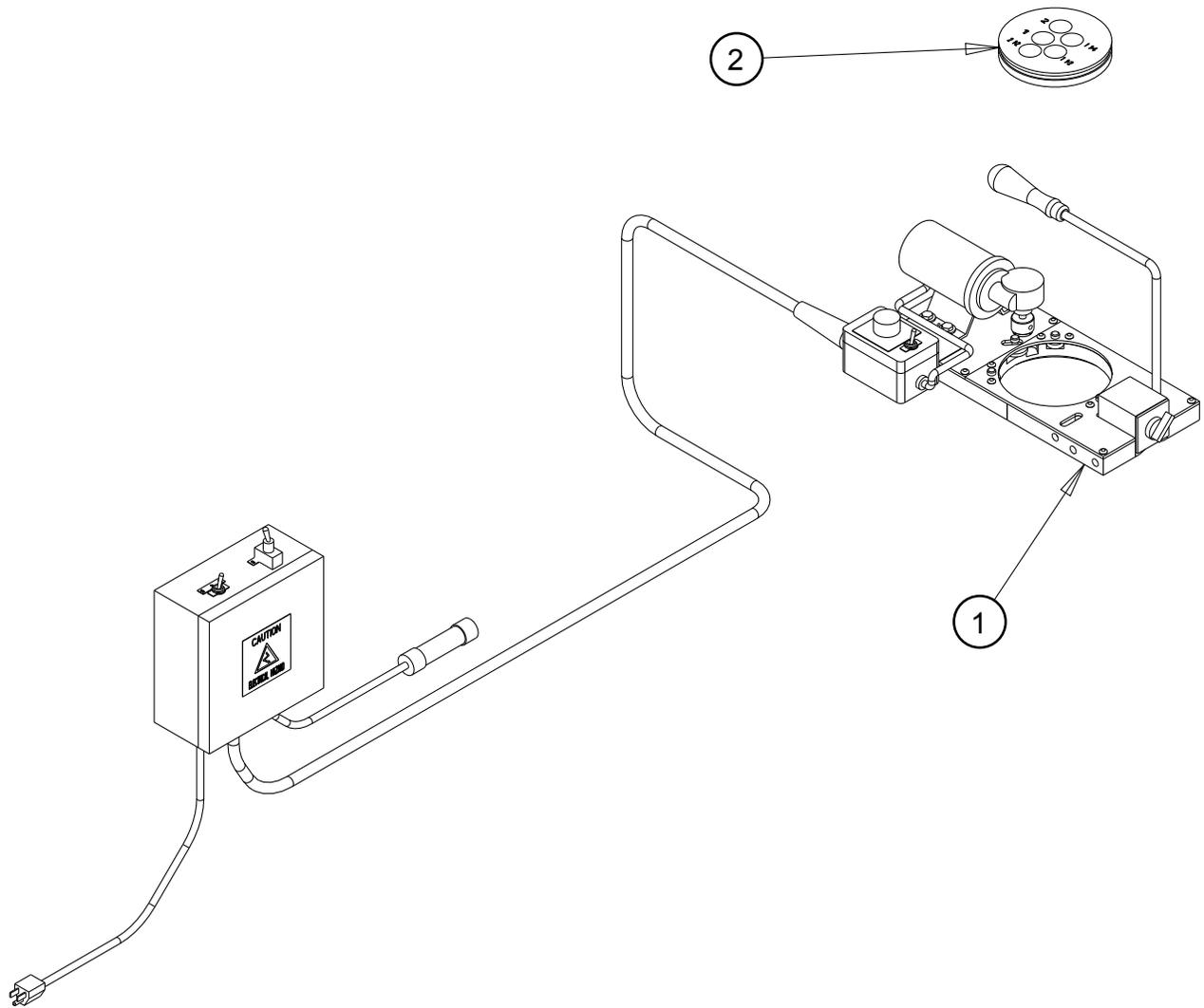
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20-HAS-SPEED CNTRL

SHEET #8

HOLECUTTER SPEED CONTROL PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
1	EPP-0104	1	9832 KNOB DIAL KIT
2	EPP-0105	1	9913 SK POT
3	EPP-0134	1	GROMMET
4	EPP-0138	1	STRAIN RELIEF
5	EPP-0184	1	500-9701 SWITCH BOX
6	EPP-0208	2	1/4 F DISCONNECT 22-18 AWG FI
7	EPP-0209	2	1/4 M DISCONNECT 22-18 AWG FI
8	EPP-0210	2	1/4 FLAG DISCONNECT 22-18 AWG
9	SWT-0008	1	ON-OFF LABEL
10	SWT-0036	1	2 POS. TOGGLE SW. 4X846
11	FAS-F23	2	1/4-20 X 1/2" LG. SHCS
12	FAS-F38	2	∅ 1/4" FLAT WASHER



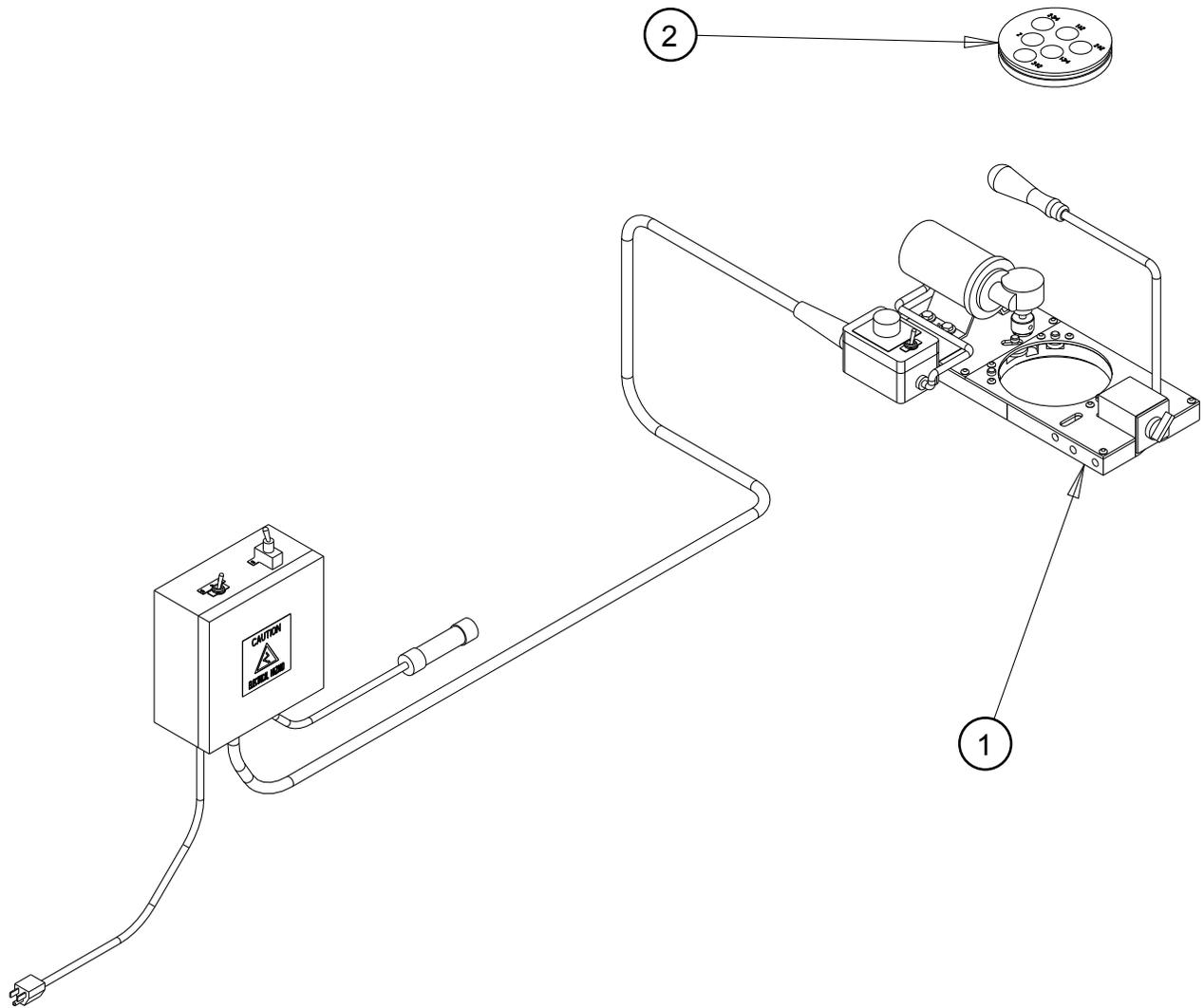
HOLECUTTER WITH 5 HOLE CAM ASSEMBLY

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20-HC5
SHEET #10

HOLECUTTER WITH 5 HOLE CAM BASE PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
1	20-HAS-COMPLETE BASE	1	HOLECUTTER COMPLETE BASE ASSEMBLY
2	20-HAS-5HOLE & ACCES	1	5-HOLE CAM & ACCESSORIES



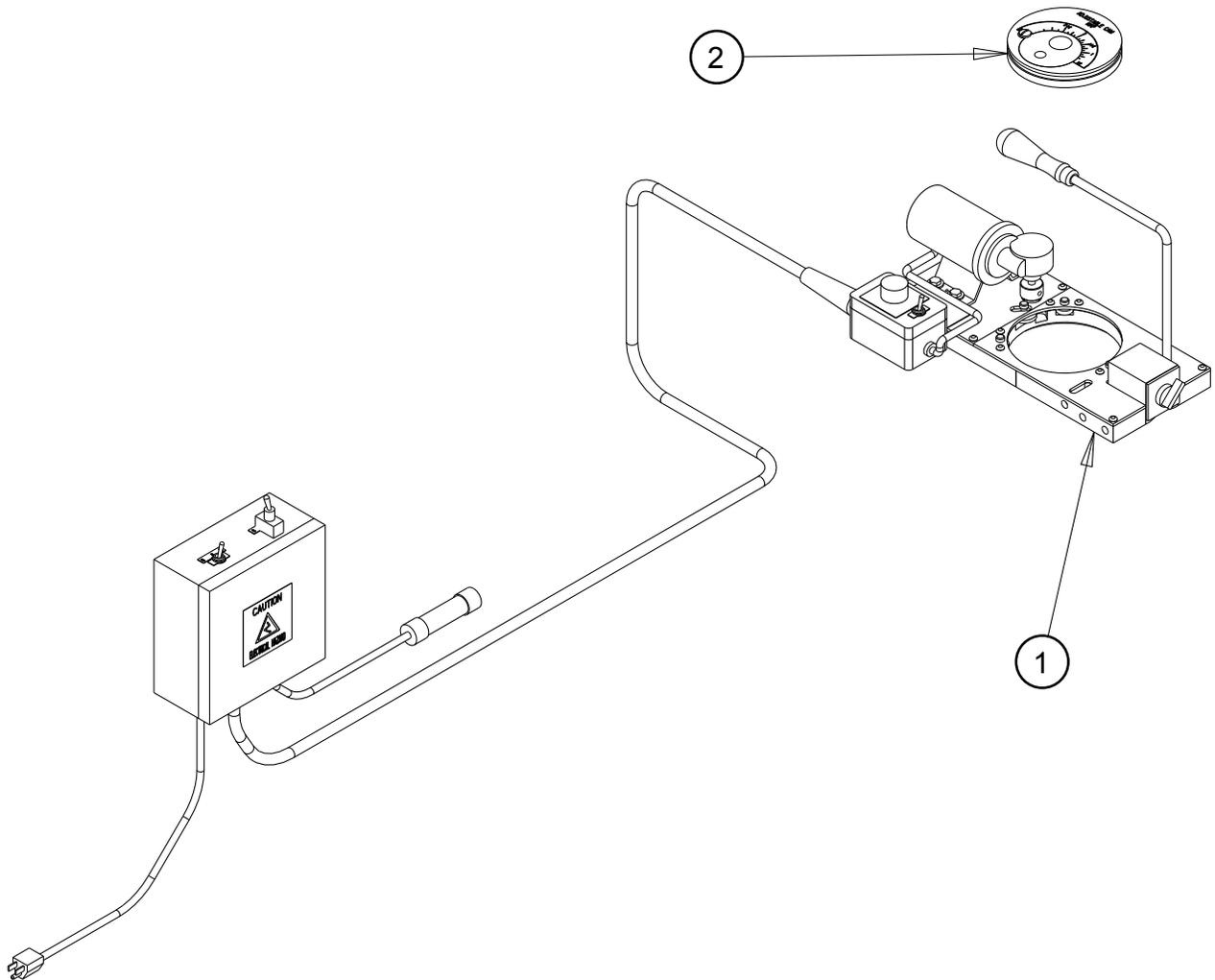
HOLECUTTER WITH 6 HOLE CAM ASSEMBLY

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20-HC6
SHEET #12

HOLECUTTER WITH 6 HOLE CAM PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
1	20-HAS-COMPLETE BASE	1	HOLECUTTER COMPLETE BASE ASSEMBLY
2	20-HAS-6HOLE & ACCES	1	6 HOLE CAM & ACCESSORIES



HOLECUTTER WITH ADJ. CAM ASSEMBLY



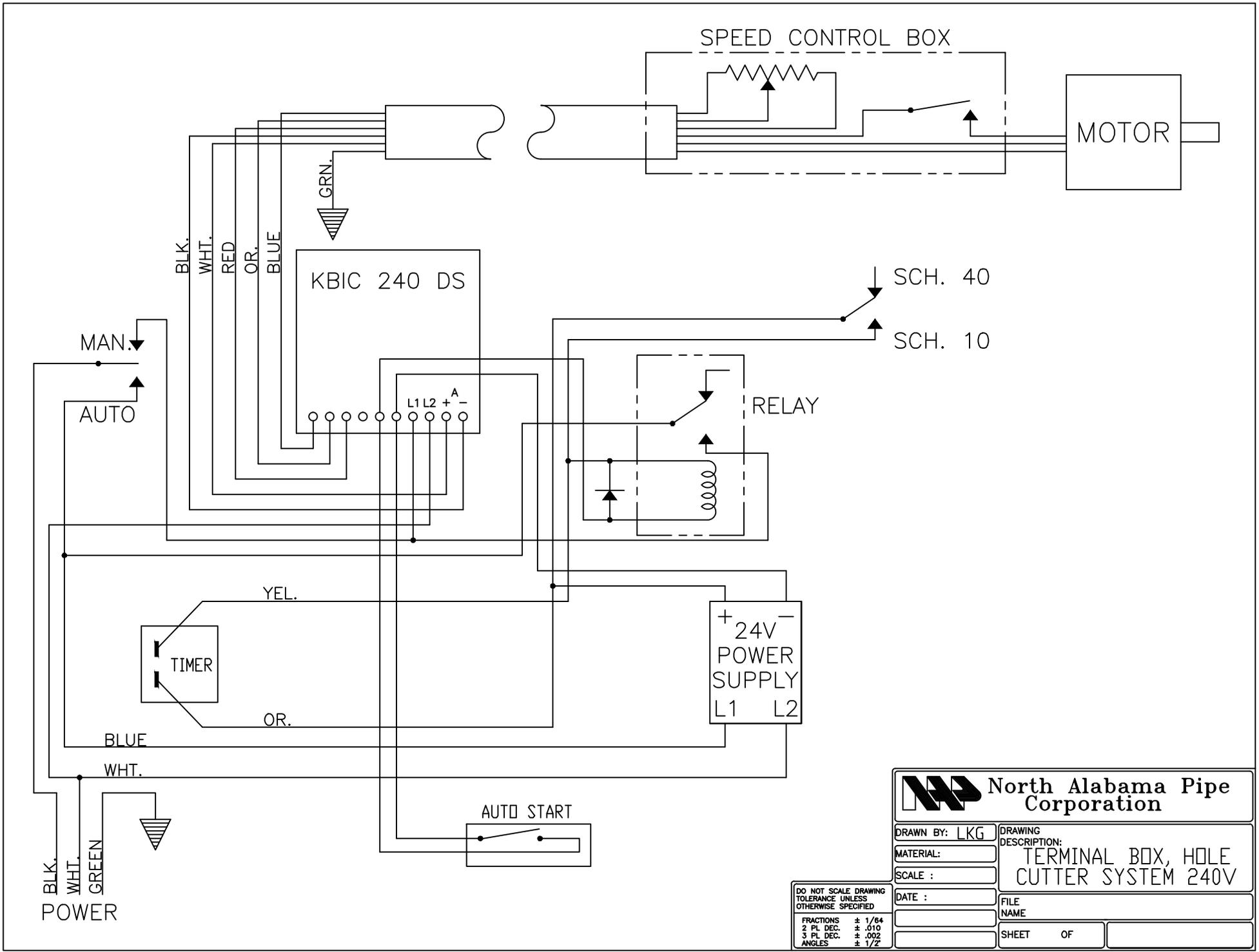
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20-HCA

SHEET #14

HOLECUTTER WITH ADJ. CAM PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
1	20-HAS-COMPLETE BASE	1	HOLECUTTER COMPLETE BASE ASSEMBLY
2	20-HAS-ADJ CAM & ACC	1	HC ADJ CAM ASSY & ACCESSORIES



North Alabama Pipe Corporation

DRAWN BY: LKG		DRAWING DESCRIPTION:	
MATERIAL:		TERMINAL BOX, HOLE CUTTER SYSTEM 240V	
SCALE :		FILE NAME	
DATE :		SHEET OF	

DO NOT SCALE DRAWING
TOLERANCE UNLESS
OTHERWISE SPECIFIED

FRACTIONS ± 1/64
2 PL DEC. ± .010
3 PL DEC. ± .002
ANGLES ± 1/2°