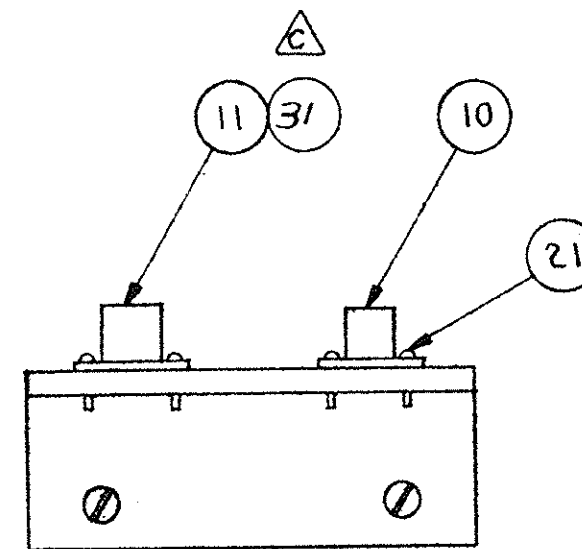
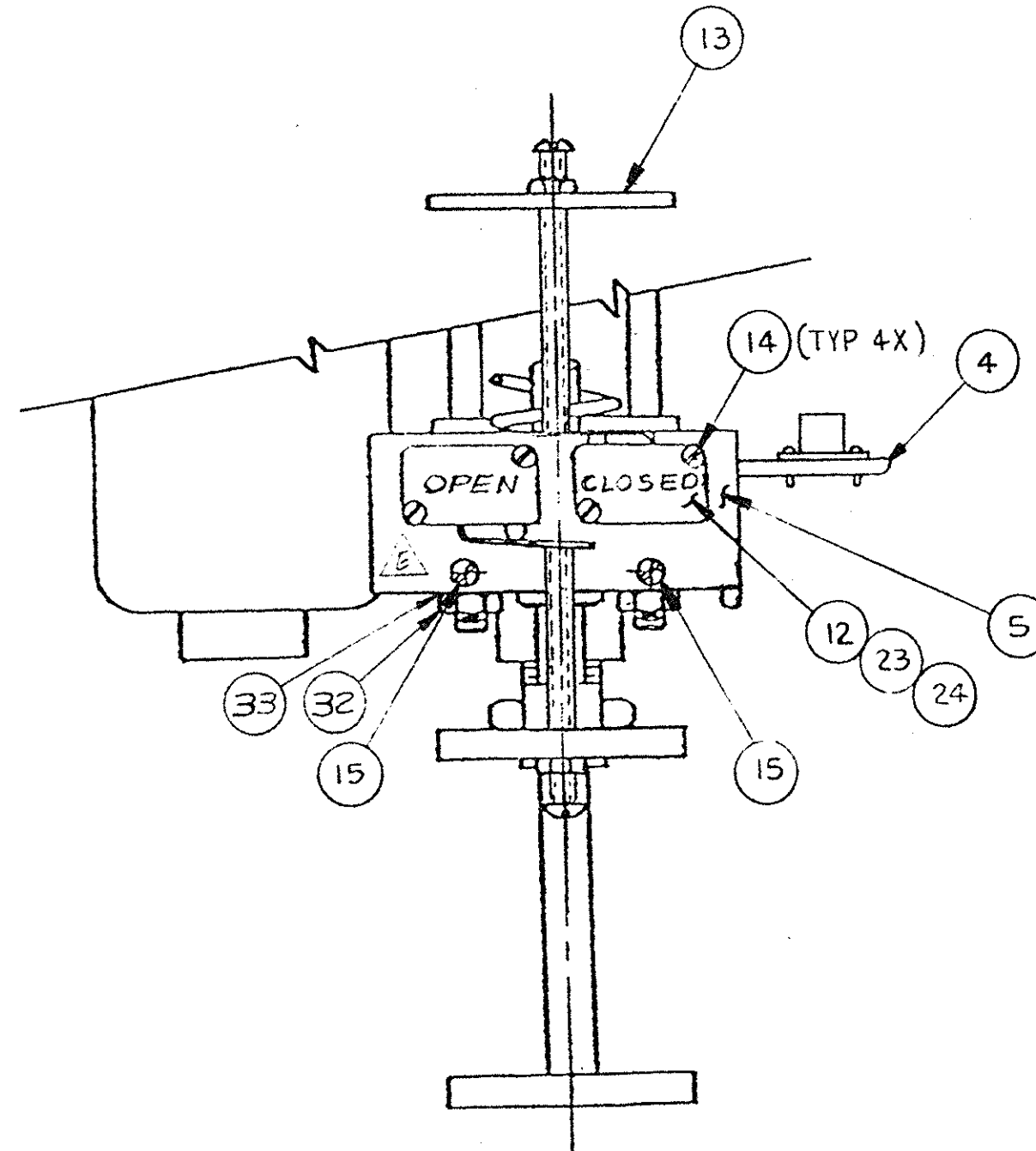
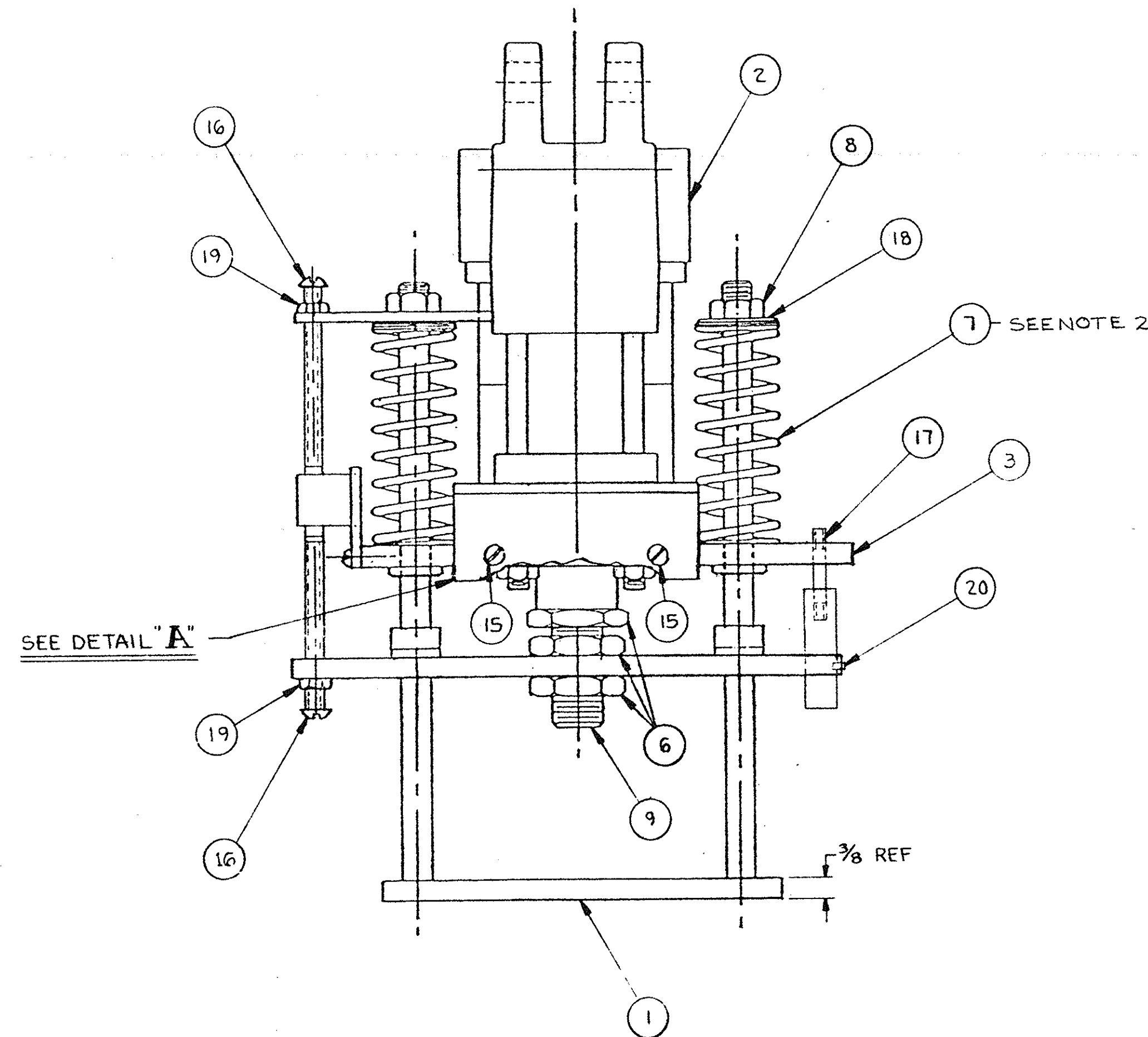


CEBAF P/N 75600B0005
ACTUATOR JT VALVE
ORDER NO. SURA-90-C4688LD
KPS P/N DB062-167
S/N 75600B0005-SEQUENTIAL NO. BY MANUFACTURING
QTY: 1

DETAIL "B"

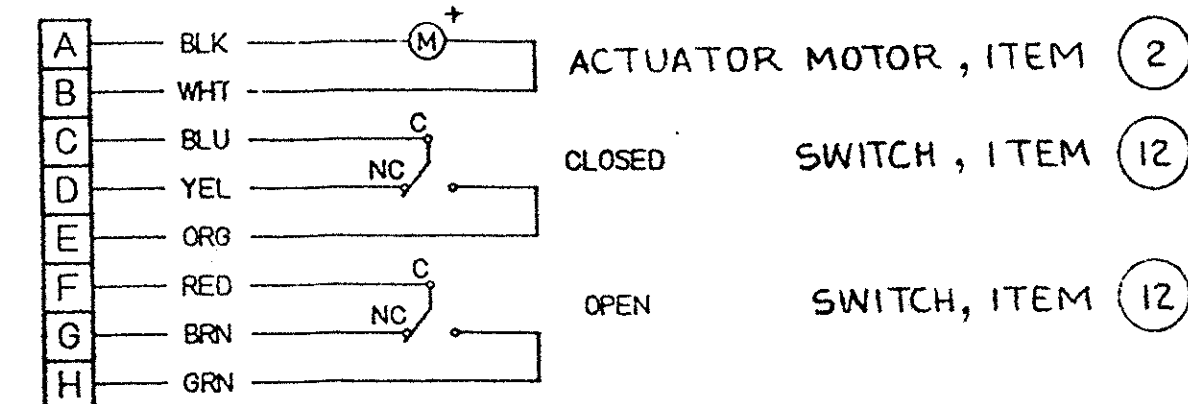


DETAIL "A"



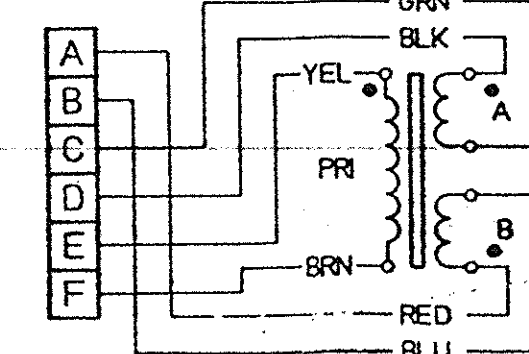
WIRING DIAGRAM

BURNDY
G08-12-88 PNE



USE WIRE LEADS SUPPLIED WITH ACTUATOR MOTOR.
USE 18 GAUGE WIRE, ITEMS (25) (26) (27) (28) (29) (30), ON ALL SWITCHES. COVER PINS & LUGS WITH HEAT SHRINK TUBING, ITEM (24)

AMPHENOL
MS3120E-10-6P



USE WIRE LEADS SUPPLIED WITH LVDT.
COVER PINS WITH HEAT SHRINK TUBING, ITEM (24)

ZONE	LIR	DESCRIPTION	DATE	APPROVED						
				DR	MFG	ELEC	STRESS	MECH	PHOC	PHOJ
-		RELEASE PER DEO # 2705	1/17/91							
A		REVISE PER DEO # 2870	TM 3/4/91							
B		REVISED PER DEO # 2980	TM 3/4/91							
C		REVISED PER DEO # 3340	JRP 5/2/91							
D		REVISED PER DEO # 3693	JRP 7/3/91							
E		REVISED PER DEO # 3842	JRP 8/8/91							

- FOR CONTINUATION SEE OTHER SIDE -

30	.50 L.F.	81-20-32		WIRE, 18 GAUGE, GREEN
29	.50 L.F.	81-20-35		WIRE, 18 GAUGE, BROWN
28	.50 L.F.	81-20-31		WIRE, 18 GAUGE, RED
27	.50 L.F.	81-20-36		WIRE, 18 GAUGE, ORANGE
26	.50 L.F.	81-20-33		WIRE, 18 GAUGE, YELLOW
25	.50 L.F.	81-20-34		WIRE, 18 GAUGE, BLUE
24	.50 L.F.	07-03-48		HEAT SHRINKABLE TUBING
23	6	82-20-97		LUG DISCONNECT .187 X .020
22	1	A-T505043-2-647	SCHAEVITZ #250 MHR	LVDT
21	8	52-10-10		ROUND HEAD MACHINE SCREW #4-40 x 1/2 LG, STEEL, ZINC PLTD
20	1	52-10-03		SOCKET HEAD SET SCREW #6-32 x 1/8 LG, ZINC PLTD
19	2	52-06-02		KEP NUT #10-32, STEEL, ZINC PLTD
18	1	A8062-226		WASHER, EXTRA HEAVY
17	1	C8062-175		LVDT PLUNGER ROD
16	2	52-10-04		ROUND HEAD MACHINE SCREW #10-32 x 3" LG, ZINC PLTD
15	4	52-10-05		ROUND HEAD MACHINE SCREW #6-32 x 1/4 LG, ZINC PLTD
14	4	52-10-06		ROUND HEAD MACHINE SCREW #4-40 x 3/8 LG, ZINC PLTD
13	1	C8062-174		STOP SCREW MOUNTING PLATE
12	2	A-T505043-2-641	CHERRY #E23-50H	MICROSWITCH
11	1	A-T505043-2-642	BURNDY G08-12-88 PNE	CONNECTOR
10	1	A-T505043-2-643	AMPHENOL MS312 0E10-6P	CONNECTOR
9	1	C8062-173		THREAD EXTENSION
8	2	52-06-03		3/8-16 HEX NUT W/ NYLON INSERT STEEL, ZINC PLTD
7	2	51-96-36	MCMASTER CARR #9620K53 OR EQUAL	SPRING, 3" LG
6	3	C8062-172		LOCK NUT
5	1	C8062-171		MICROSWITCH MOUNTING PLATE
4	1	C8062-170		CONNECTOR SUPPORT
3	1	C8062-169		TOP PLATE
2	1	A-T505043-2-646	INDUS. DEVICES #3194-127-7 SURA-001	VALVE ACTUATOR GEAR BOX AND MOTOR
1	1	D8062-168		ACTUATOR SUPPORT ASSEMBLY

NOTES:

- CLEAN ALL PARTS. PER SPECIFICATION 1114150034 (A-T505043-2-034), PRIOR TO ASSEMBLY.
- PAINT PER KPS SPECIFICATION A-3979791, PARA 4.2., SCS GRAY
- LABEL PER DETAIL "B". BAG IN 5 MIL. MINIMUM PLASTIC.

33	4	52-16-20		1/4 ID LOCK WASHER
32	4	52-06-44		#1/4-28 UNF NUT SSTL
31	8	82-60-59	BURNDY RM16M-23D28	NO. 16 MACHINED, CONTACT (PIN) .0625 DIAMETER

8062-020	CEBAF	ITEM NO.	QTY REQ.	IDENT. NO.	VENDOR	PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION	
APPLICATION									
PROPRIETARY AND CONFIDENTIAL									
EXCEPT AS OTHERWISE AGREED IN WRITING, THE INFORMATION AND DESIGN DISCLOSED HEREIN ARE THE PROPERTY OF KOCH PROCESS SYSTEMS AND MUST NOT BE COPIED OR DISTRIBUTED OUTSIDE KOCH EXCEPT TO AUTHORIZED PERSONS WITH A GENUINE NEED TO KNOW WHO BY THE USE HEREOF ACKNOWLEDGE KOCH OWNERSHIP AND AGREE TO MAINTAIN THIS INFORMATION AND DESIGN IN STRICT CONFIDENCE									
UNLESS OTHERWISE SPECIFIED									
DIMENSIONS ARE IN INCHES									
TOLERANCES:									
FRACTIONAL: ±									
ANGULAR: MACH ± 0°-30' BEND ± 2°									
TWO PLACE DECIMAL ±									
THREE PLACE DECIMAL ±									
FINISHED SURFACE RMS BREAK CORNERS: IN OUT									
REMOVE ALL BURRS									
DO NOT SCALE THIS DRAWING									
KPS INSPECT TO AT505043-2-713									
DRAWN REDFERN DATE 11/2/90									
CHECKED DATE									
APPRO DA DATE 1-25-91									
APPRO MFG DATE 1/2/91									
APPRO ELEC DATE									
APPRO STRESS DATE									
APPRO MECH DATE									
APPRO PROCESS DATE									
APPRO PROJ DATE									
RELEASED DATE									
Koch PROCESS SYSTEMS, INC.									
20 Watup Drive Westborough, Massachusetts 01581 U.S.A.									
AUG 08 1991									
ELECTRIC VALVE ACTUATOR ASSEMBLY									
CODE IDENT NO. SIZE D 8062-167 REVISION E									
SCALE WEIGHT SHEET 1 OF 1									