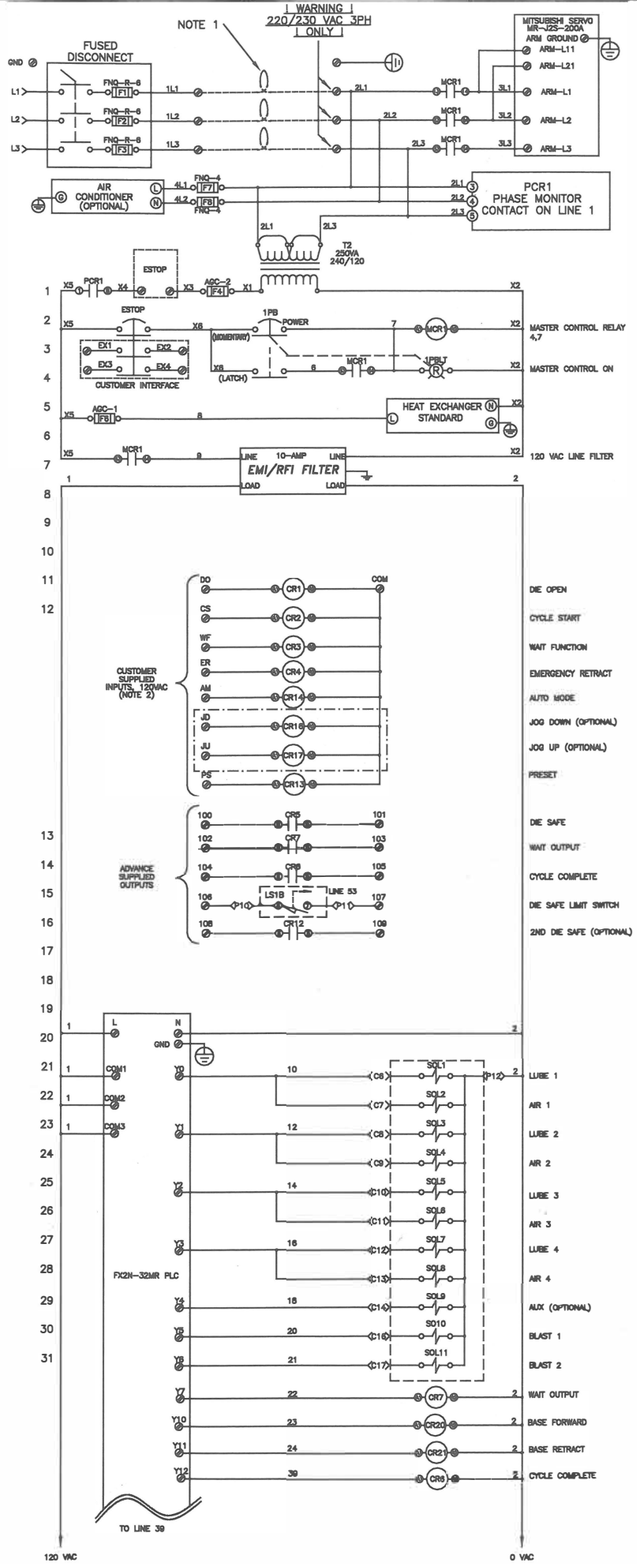
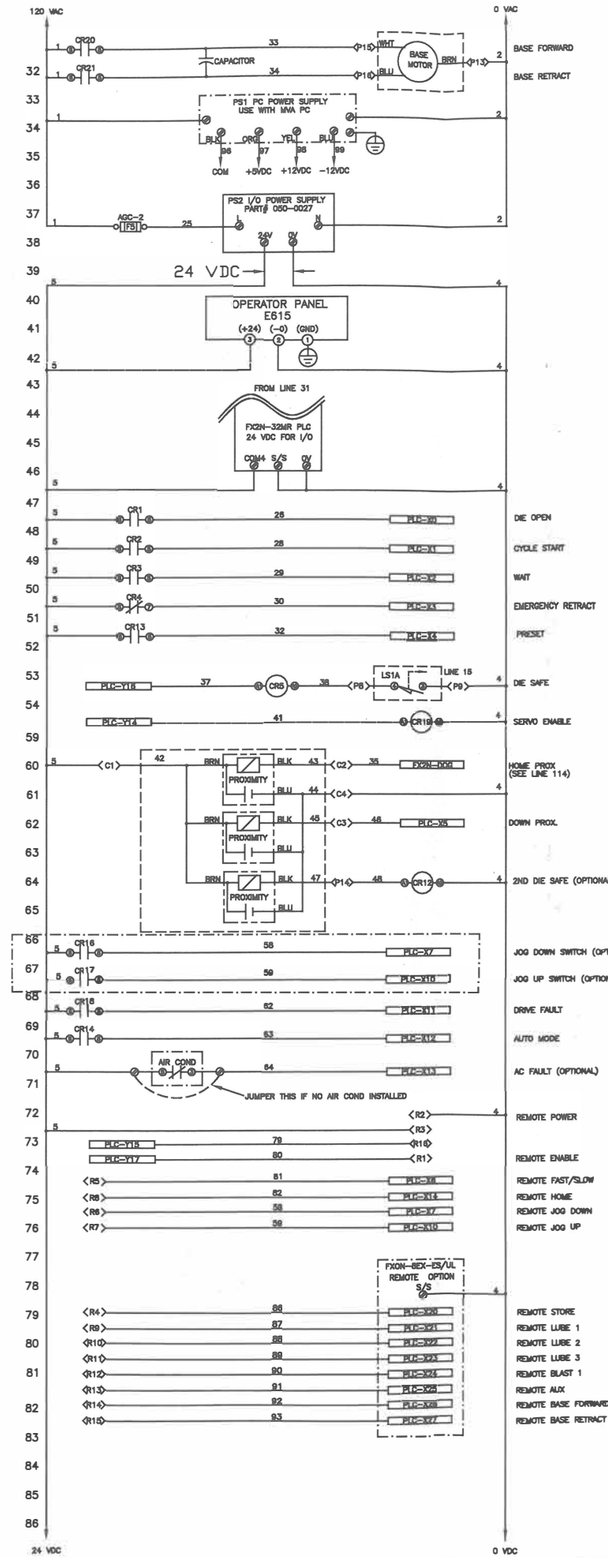
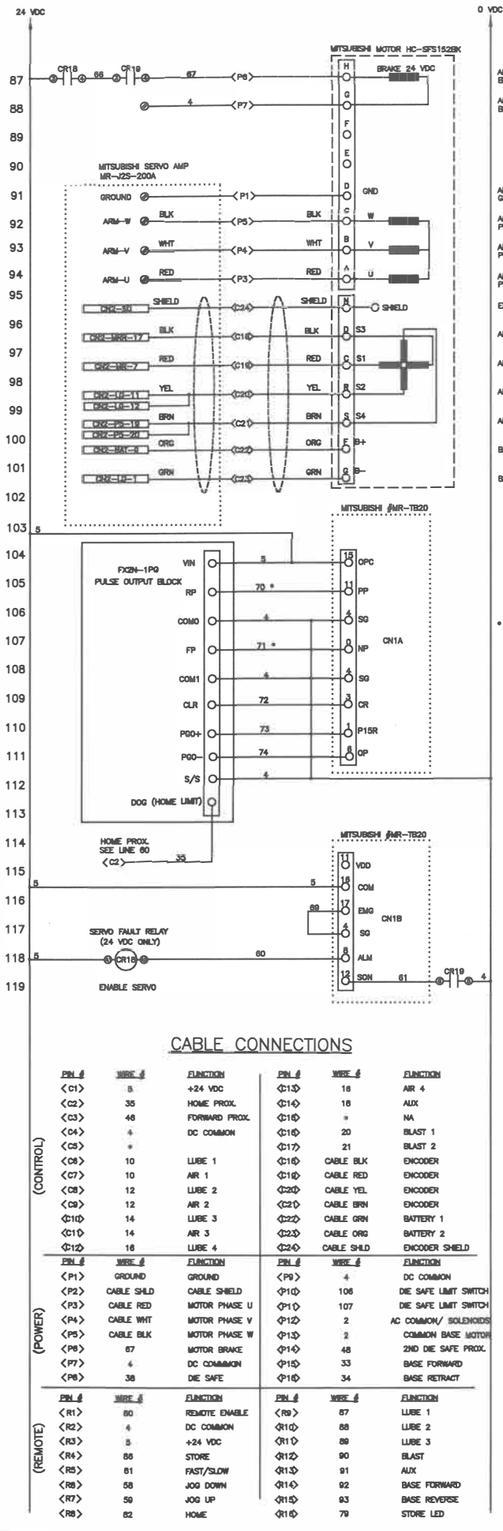
REVISIONS

Rev	Zone	Description	Date	By
B	D5	ADDED ESTOP SWITCH	9/20/02	TRR







CABLE CONNECTIONS

	PIN #	WIRE #	FUNCTION	PIN #	WIRE #	FUNCTION
(CONTROL)	C1	5	+24 VDC	C13	16	AIR 4
	C2	35	HOME PROX.	C14	18	AUX
	C3	48	FORWARD PROX.	C15	*	NA
	C4	4	DC COMMON	C16	20	BLAST 1
	C5	*		C17	21	BLAST 2
	C6	10	LUBE 1	C18	CABLE BLK	ENCODER
	C7	10	AIR 1	C19	CABLE RED	ENCODER
	C8	12	LUBE 2	C20	CABLE YEL	ENCODER
	C9	12	AIR 2	C21	CABLE BRN	ENCODER
	C10	14	LUBE 3	C22	CABLE GRN	BATTERY 1
	C11	14	AIR 3	C23	CABLE ORG	BATTERY 2
	C12	16	LUBE 4	C24	CABLE SHLD	ENCODER SHIELD
(POWER)	P1	GROUND	GROUND	P9	4	DC COMMON
	P2	CABLE SHLD	CABLE SHIELD	P10	106	DIE SAFE LIMIT SWITCH
	P3	CABLE RED	MOTOR PHASE U	P11	107	DIE SAFE LIMIT SWITCH
	P4	CABLE WHT	MOTOR PHASE V	P12	2	AC COMMON/ SOLENOIDS
	P5	CABLE BLK	MOTOR PHASE W	P13	2	COMMON BASE MOTOR
	P6	67	MOTOR BRAKE	P14	48	2ND DIE SAFE PROX.
	P7	4	DC COMMON	P15	33	BASE FORWARD
	P8	38	DIE SAFE	P16	34	BASE RETRACT
(REMOTE)	R1	80	REMOTE ENABLE	R9	87	LUBE 1
	R2	4	DC COMMON	R10	88	LUBE 2
	R3	5	+24 VDC	R11	89	LUBE 3
	R4	86	STORE	R12	90	BLAST
	R5	81	FAST/SLOW	R13	91	AUX
	R6	58	JOG DOWN	R14	92	BASE FORWARD
	R7	59	JOG UP	R15	93	BASE REVERSE
	R8	82	HOME	R16	79	STORE LED

SYMBOL	SYMBOL DESCRIPTIONS
CR3	NORMALLY OPEN CONTACT FOR BOTH COIL RELAYS AND SOLID STATE RELAYS.
CR3	NORMALLY CLOSED CONTACT FOR COIL RELAYS.
CR10	COIL RELAY
FX1PG-1MDF	POSITION PULSE CONTROLLER CONNECTION, FX2N-1PG/FX2N-10PG
PLC-Y1	PLC OUTPUT CONNECTION, PIN 1
PLC-X1	PLC INPUT CONNECTION, PIN 1
C1	CABLE CONNECTION, (CONTROL, PIN 11)
P1	CABLE CONNECTION (POWER, PIN 11)
R1	CABLE CONNECTION (REMOTE, PIN 11)
	TERMINAL BLOCK
A (DIE OPEN SEE LINE 18)	LINE FUNCTION DESCRIBED. NUMBERS INDICATE A CONTACT ON ANOTHER LINE #. UNDERLINED NUMBERS INDICATE A CLOSED CONTACT.

NOTES

(NOTE 1) PANEL IS WIRED FOR 220/230 VAC 3 PHASE STANDARD. ALL OTHER VOLTAGES REQUIRED THE ADDITION OF A 3KVA, 3PH STEPDOWN TRANSFORMER. REMOVE JUMPERS AT TOP OF PANEL TO INSTALL.

(NOTE 2) PANELS ARE SUPPLIED WITH 120 VAC INTERFACE WIRING STANDARD. 24 VDC INTERFACE IS AVAILABLE BUT WILL BE WIRED TO THE 120 VAC COLOR CODE (I.E. RED AND WHITE), ONLY THE RELAYS WILL CHANGE.

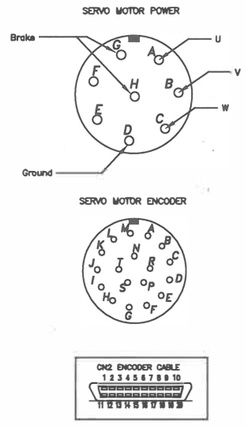
PARTS INSIDE DOTTED LINES ARE OPTIONAL.

PARTS INSIDE HIDDEN LINES ARE EXTERNAL TO THE MAIN CONTROL BOX.

WIRE COLOR CODE

BLACK	220 VAC OR HIGHER
RED	120 VAC HOT
WHITE	120 VAC COMMON
YELLOW	OTHER VOLTS AC
BLUE	VOLTS DC

LAST WIRE NUMBER = 109



DO NOT SCALE DRAWING

AutoCAD DRAWING TRACING NOT TO BE UP DATED MANUALLY

TOLERANCES—UNLESS OTHERWISE SPECIFIED

ANGULAR ± 0° 30'

METRIC	ENGLISH
X ±.5MM	X ±.02
XX ±.10MM	XX ±.01
XXX ±.01MM	XXX ±.005
	XXXX ±.0002

CAD CONTRACTOR:

AutoCAD Release

Computer File No. 9769-1.DWG

ADVANCE PRODUCTS CORPORATION
PRODUCTS FOR THE DIE CASTING INDUSTRY
2527 M-63 BENTON HARBOR, MI 49022

DRAWING TITLE:
ELECTRICAL SCHEMATIC FOR THE SR1145/ SR1155/ SR1165 RECIPROCATER MITSUBISHI SERVO AND FX2N PLC

CUSTOMER:
ADVANCE PRODUCTS

DATE:	DRAWN BY:	CHECKED BY:	SCALE:
10/02/02	TRR		DNS

DRAWING NUMBER:	SHEET	OF	REV.
D 9769	1	2	B