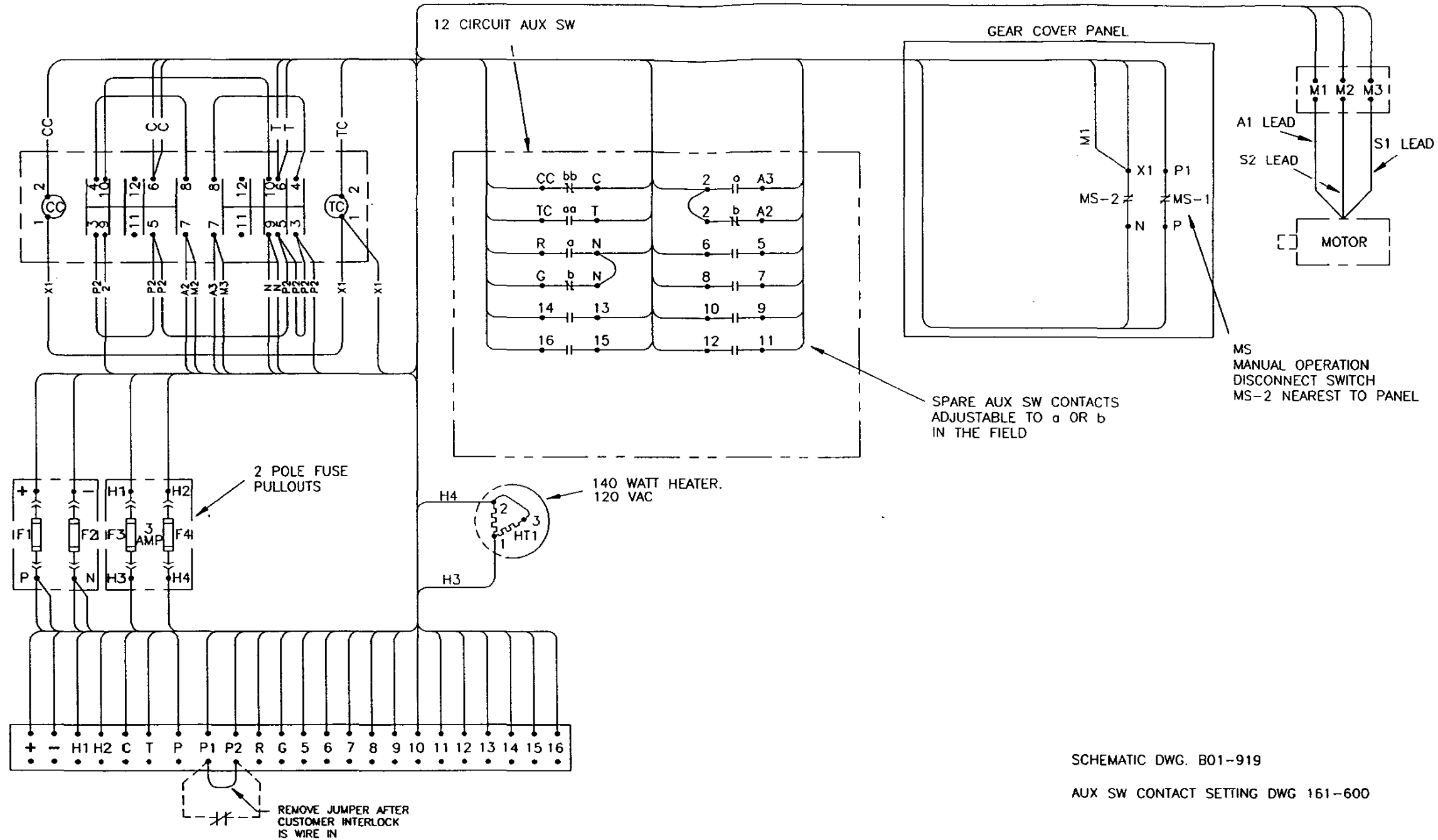




SCHEMATIC DWG. B01-919
AUX SW CONTACT SETTING DWG 161-600

H P	RATED MOTOR RPM	1750				3450			
		D.C. VOLTS							
1/2	MOTOR CURRENT AMPS	21	10.5	4	2	24.5	10.5	4	2
	LOCKED ARMATURE CURRENT AMPS	120	60	23	11.5	172	88	41	23
3/4	MOTOR CURRENT AMPS	-	15.8	6	3	-	15.8	6	3
	LOCKED ARMATURE CURRENT AMPS	-	86	35	19	-	124	47	70

VOLTS D.C.	COIL INRUSH (VA)
24	5.06
48	8.23
125	5.93
250	5.95

ROTATION OF OPER PIPE TO OPEN	CONNECT	
	S1 TO	S2 TO
C.W.	M3	M2
C.C.W.	M2	M3

D.C.

SPECIAL FOR: ABB MONMOUTH JUNCTION

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MAIN WIRING DIAGRAM FOR MO-10
MOTOR MECH. D.C. OPERATION
COMMON MOTOR & CONTROL SUPPLY
(WITH DYNAMIC BRAKING)

ASEA BROWN BOVERI

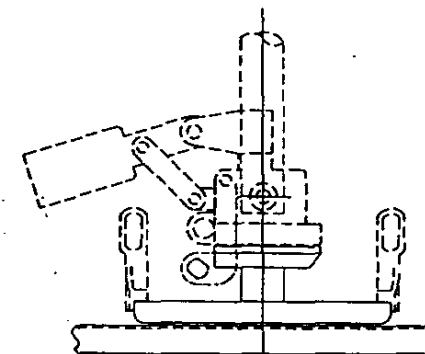
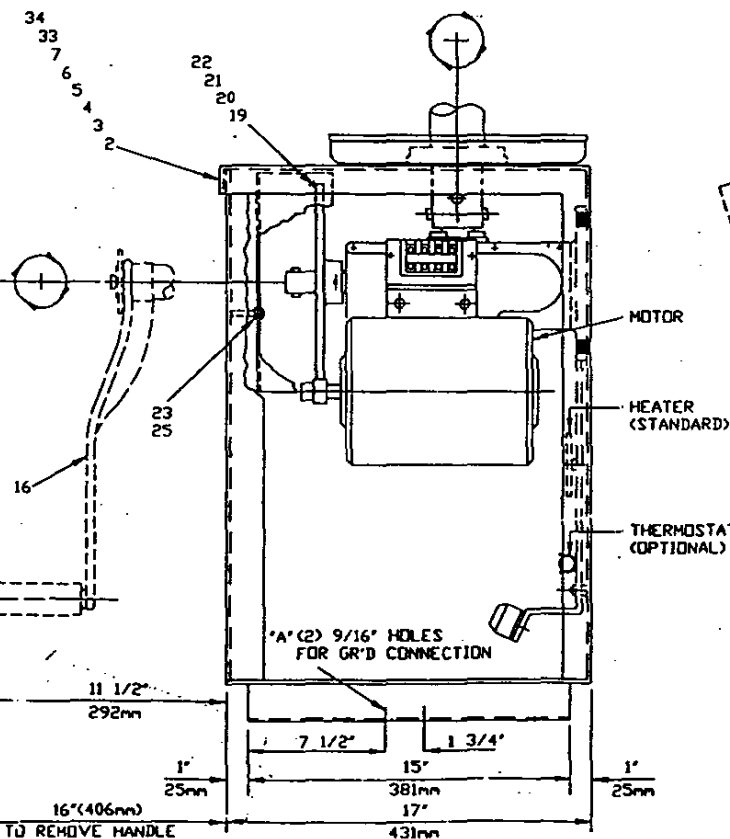
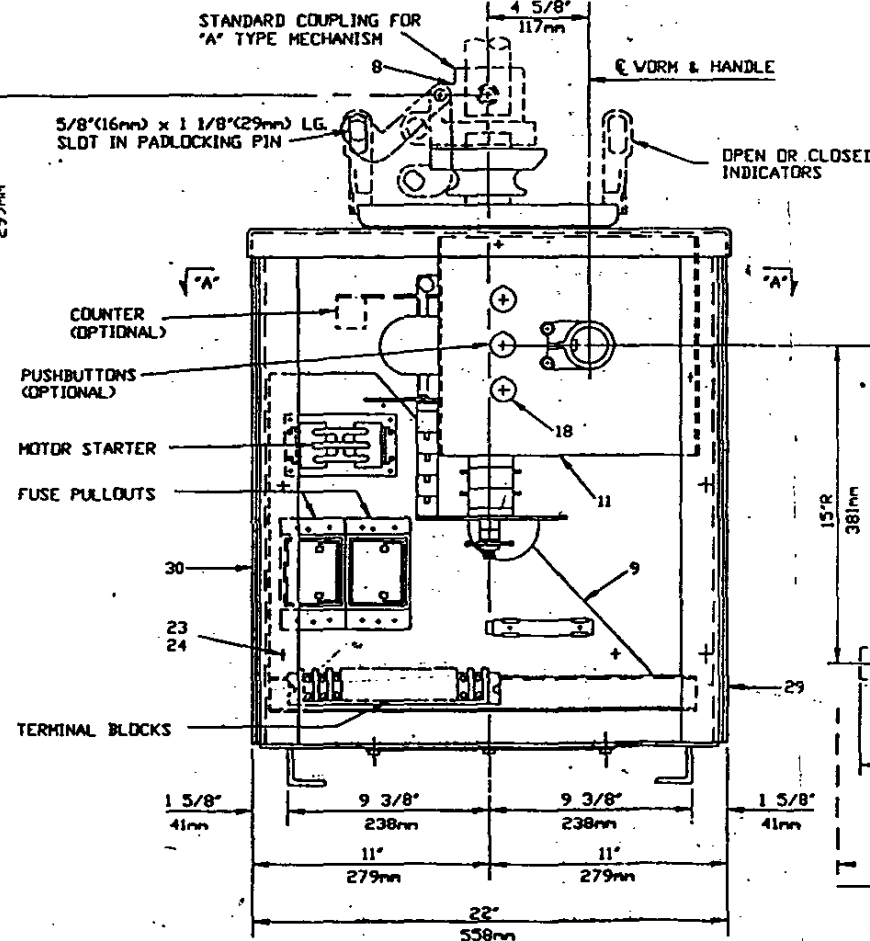
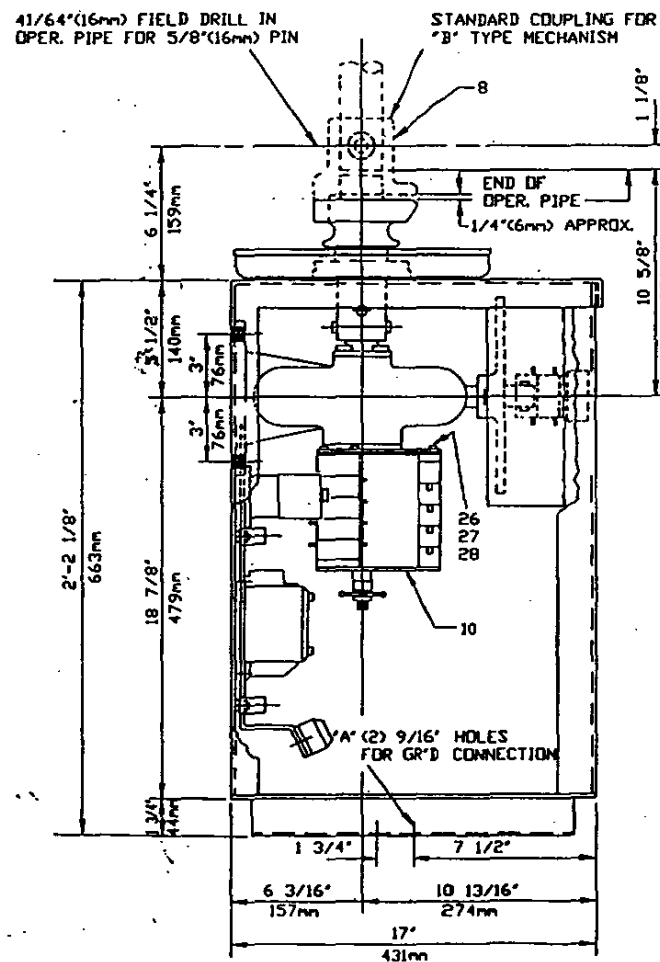
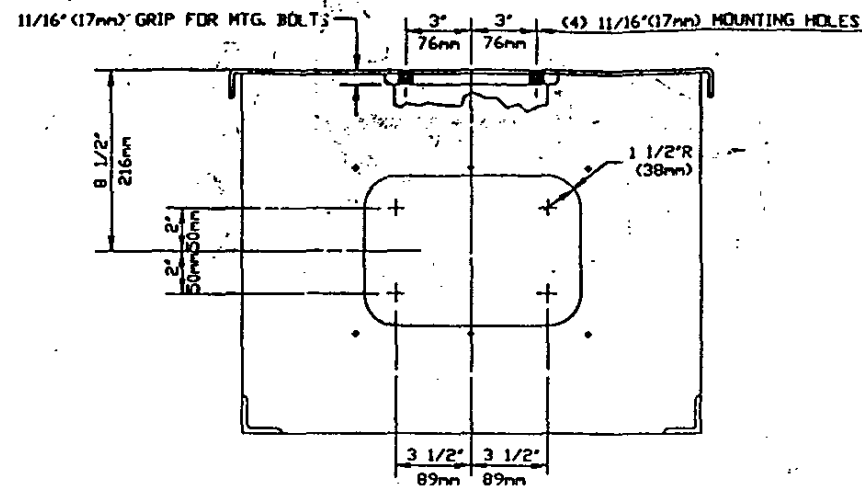
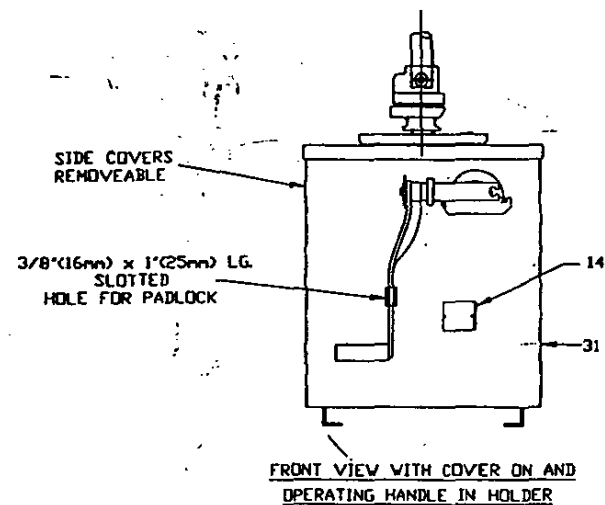
P.O. Box 38, Bland, Va. 24315
Telephone 703-688-3328

SCALE	1" = 12"	ASSY DWG
SHEET OF	OWN	CHKD
	RCL	PJC
		EWD

C00-557

01

REV. DESCRIPTION & DATE
01 JAN. 5, 1995



SPECIAL "A" TYPE COUPLING
WITH EXTENSION HANDLE

FOLLOWING SUPPLIED AS STANDARD:

1. 8-CIRCUIT AUXILIARY SWITCH
2. HEATER FOR 115/230 V.A.C. WITH 2-POLE FUSIBLE PULLOUT.

MARK NO.	BILL OF MATERIAL		WIRING DIAGRAM		CURRENT	DESCRIPTION *
	DWG.	PK. NO.	SCHEMATIC	MAIN		
501	314-400	301	SEE SHEET G1056-D		D.C.	STANDARD DUTY GEAR TRAIN
502	314-400	302	SEE SHEET G1056-D		A.C.	6:1 SPUR 62:1 WORM
504	314-400	304	SEE SHEET G1056-D		A.C.	
					480 VAC	
507	314-400	307	SEE SHEET G1056-D		D.C.	HEAVY DUTY GEAR TRAIN
508	314-400	308	SEE SHEET G1056-D		A.C.	9 1/2:1 SPUR 62:1 WORM
513	314-400	313	SEE SHEET G1056-D		D.C.	EXTRA HEAVY DUTY GEAR TRAIN
514	314-400	314	SEE SHEET G1056-D		A.C.	9 1/2:1 SPUR 80:1 WORM
517	314-400	317	SEE SHEET G1056-D		D.C.	HEAVY DUTY GEAR TRAIN
518	314-400	318	SEE SHEET G1056-D		A.C.	6:1 SPUR 80:1 WORM

* FOR DESCRIPTION OF MOTOR & OPTIONAL EQUIPMENT SUPPLIED SEE SHEET G1056-D.

REV. REDRAWN
UP-DATED
07 MAR 15, 1992 JLS
ADDED MARK 504 RCL
DELETED 18, 1994 PJC EVD
ADDED HOLES AT "A"
RCL
09 SEP 15, 1994 PJC RV

TOTAL WEIGHT 200N

This drawing is the property of ASEA BROWN BOVERI and contains proprietary and confidential information which must not be duplicated, used, or disclosed other than as expressly authorized by ASEA BROWN BOVERI.

STANDARD MECHANISMS
TYPE MO-10A & MO-10B
MOTOR MECHANISM FOR A.C. & D.C. OPERATION
STANDARD & HEAVY DUTY GEAR TRAIN

ASEA BROWN BOVERI
P.O. Box 38, Brand, Vt., 24315
Telephone 703-688-3328

SCALE 3" = 16" JSTY DWG
SHEET 01 CH CH CG 419-000 09

REV. NO. 1 314-400																			
HEAVY DUTY 6:1 SPUR WORM		EXTRA HEAVY GEAR TRAIN 9 1/2:1 SPUR 80:1 WORM				HEAVY DUTY GEAR TRAIN 9 1/2:1 SPUR 62:1 WORM				STANDARD DUTY GEAR TRAIN 6:1 SPUR 62:1 WORM									
A.C.	D.C.			A.C.	D.C.			A.C.	D.C.	A.C. 480VAC		A.C.	D.C.						
MARK 318	MARK 317			MARK 314	MARK 313			MARK 308	MARK 307	MARK 304		MARK 302	MARK 301	ITEM	PART NAME	DWG.	MK.	CODE NO.	NOTE
														1	ASSEMBLY	THIS			
													1	2	HOUSING, MOTOR & WORM GEAR ASS'Y D.C. STANDARD DUTY	419-007	309		
									1			1		3	HOUSING, MOTOR & WORM GEAR ASS'Y A.C. STANDARD DUTY	419-007	312		
									1					4	HOUSING, MOTOR & WORM GEAR ASS'Y D.C. HEAVY DUTY	419-007	310		
								1						5	HOUSING, MOTOR & WORM GEAR ASS'Y A.C. HEAVY DUTY	419-007	313		
					1									6	HOUSING, MOTOR & WORM GEAR ASS'Y D.C. EX. HEAVY DUTY	419-007	311		
				1										7	HOUSING, MOTOR & WORM GEAR ASS'Y A.C. EX. HEAVY DUTY	419-007	314		
SEE ENGINEERING SPECIFICATIONS														8	COUPLING				
														9	PANEL ASSEMBLY				
														10	AUXILIARY SWITCH ASSEMBLY				
														11	GEAR COVER ASSEMBLY				
1	1			1	1			1	1	1		1	1	14	NAMEPLATE	177-950	003		
1	1			1	1			1	1	1		1	1	16	15" OPERATING HANDLE	206-890	301		
1	1			1	1			1	1	1		1	1	17	INSTRUCTION MANUAL IB 2.5.1.7-2B				"A"
3	3			3	3			3	3	3		3	3	18	HOLE PLUG BLACK CAPPLUGS BP-1 1/4"			678035	"B"
2	2			2	2			2	2	2		2	2	19	3/8"-16x1" A.S.H.S.S. BOLT			194314	
2	2			2	2			2	2	2		2	2	20	3/8" STAIN. STL. LOCKWASHER			965653	
2	2			2	2			2	2	2		2	2	21	3/8"-16 A.S. HEX S.S. NUT			633255	
2	2			2	2			2	2	2		2	2	22	3/8" STAIN. STL. FLATWASHER			962069	
4	4			4	4			4	4	4		4	4	23	1/4" STAIN. STL. FLATWASHER			961651	
3	3			3	3			3	3	3		3	3	24	1/4"-20 A.S. HEX S.S. NUT			632235	
2	2			2	2			2	2	2		2	2	25	1/4"-20 A.S. HEX S.S. JAM NUT			632325	
4	4			4	4			4	4	4		4	4	26	#10 S.S. LOCKWASHER			965366	
4	4			4	4			4	4	4		4	4	27	SPECIAL #10 S.S. FLATWASHER (9/16" O.D.x .193 I.D.x 1/16" THK)			961376	
4	4			4	4			4	4	4		4	4	28	#10-24 A.S. HEX S.S.M.NUT			631620	
1	1			1	1			1	1	1		1	1	29	RIGHT SIDE COVER COMPLETE	244-304	301		
1	1			1	1			1	1	1		1	1	30	LEFT SIDE COVER COMPLETE	244-304	302		
1	1			1	1			1	1	1		1	1	31	FRONT COVER COMPLETE	322-235	301		
	1													33	HOUSING, MOTOR & WORM GEAR ASS'Y D.C. HEAVY DUTY	419-007	315		
1														34	HOUSING, MOTOR & WORM GEAR ASS'Y A.C. HEAVY DUTY	419-007	316		
										1				35	HOUSING, MOTOR & WORM GEAR ASS'Y A.C. STANDARD DUTY	419-007	317		

ENGR. DEPT. NOTE: MD-10 EQUIPMENT FORM G1056-D TO BE FILLED OUT FOR EACH ORDER.

NOTE "A": INCLUDE ONE (1) PRINT EACH OF SCHEMATIC, MAIN WIRING DIAGRAM & EQUIPMENT FORM G1056-D WITH EACH MOTOR MECHANISM.

NOTE "B": RETURN TO STOCK WHEN PUSHBUTTONS ARE USED.

STANDARD MECHANISMS

This drawing is the property of ASEA BROWN BOVERI and contains proprietary and confidential information which must not be duplicated, used, or disclosed other than as expressly authorized by ASEA BROWN BOVERI.

BILL OF MATERIAL FOR
 MD-10 MOTOR MECHANISM
 SHOWN ON DWG.# 419-000

ASEA BROWN BOVERI
 P.O. Box 38, Bland, Va. 24315
 Telephone 703-688-3328

SCALE 12" = 12"

ASSY DWG. 419-000

314-400

SHEET OF

CH

CH

CG

09

REV. DESCRIPTION & DATE

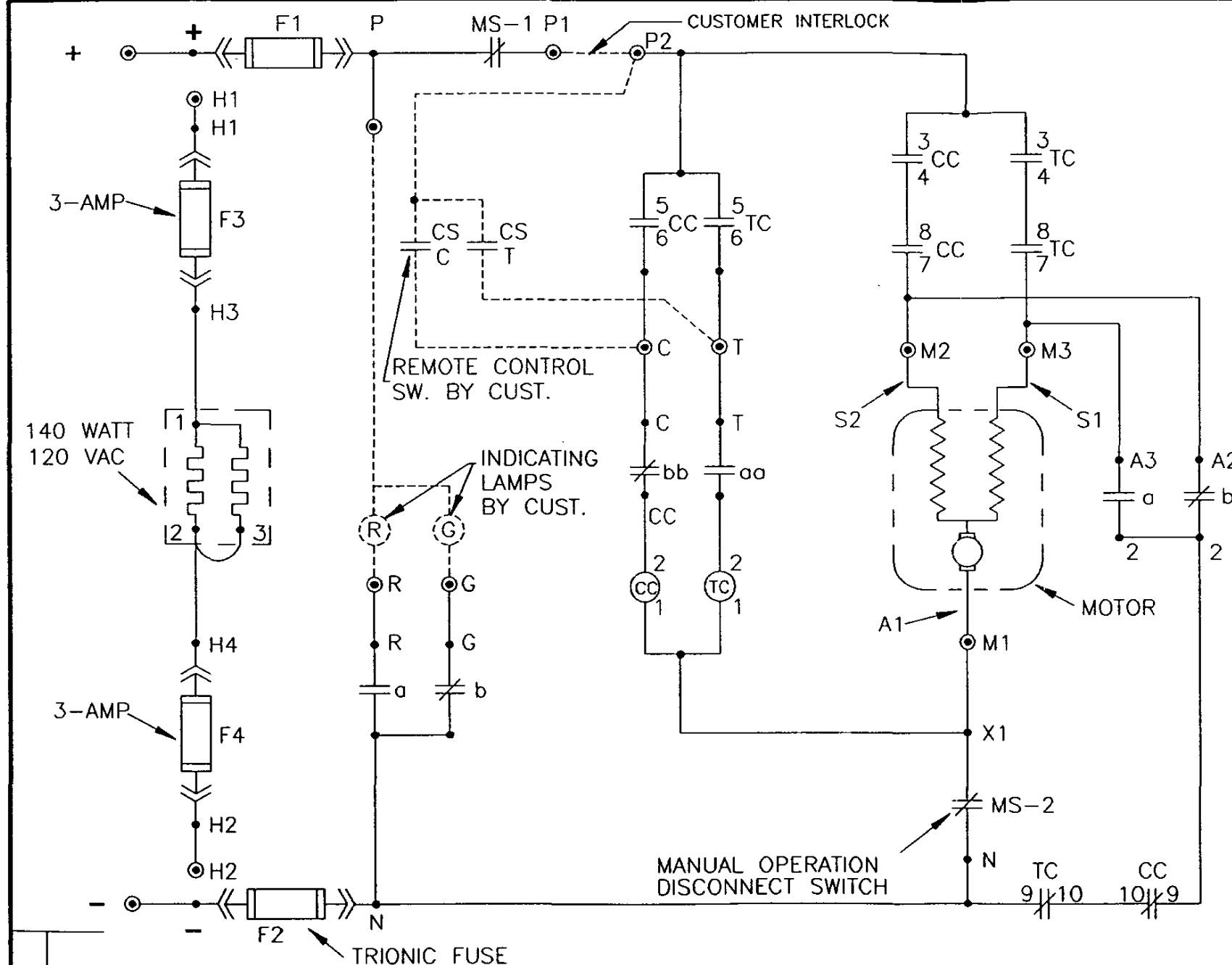
01 JUNE 9, 1972

REDRAWN & UP-DATED TKI.

08 MAR. 19, 1992 JBH EVD

ADDED MARK 304 RCL

09 JAN. 18, 1994 PJC EVD



KEY

○

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○

TERMINAL

CC

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CC

CLOSING CONTACTOR

TC

—

TC

OPENING CONTACTOR

bb

—

bb

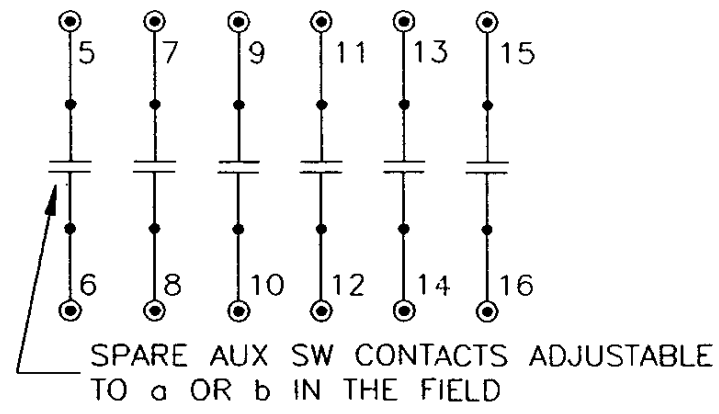
CLOSING LIMIT

aa

—

aa

OPENING LIMIT



MAIN WIRING DIAGRAM C00-557

D.C.

SPECIAL FOR: ABB MONMOUTH JUNCTION

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SCHEMATIC DIAGRAM FOR MO-10

MOTOR MECHANISM D.C. OPERATION

COMMON MOTOR & CONTROL SUPPLY

(DYNAMIC BRAKING)

ASEA BROWN BOVERI

ASEA BROWN BOVERI

ASEA BROWN BOVERI

P.O. Box 38, Bland, Va. 24315

Telephone 703-688-3328

SCALE

~ = 12"

ASSY DWG

ROTATION OF OPER PIPE TO OPEN

C.W.

C.C.W.

CONNECT

S1 TO

S2 TO

S1 TO

M3

S2 TO

M2

S1 TO

M2

S2 TO

M3

SHEET OF

DWN

CHKD

APPD

RCL

NTC

PJC

B01-919

01

REV. DESCRIPTION & DATE

01 JAN. 5, 1995