



MAIN POWER POLES

TS OPERATOR CIRCUIT

EMERGENCY

NORMAL

EMERGENCY

NORMAL

OPTIONAL SWITCHING NEUTRAL

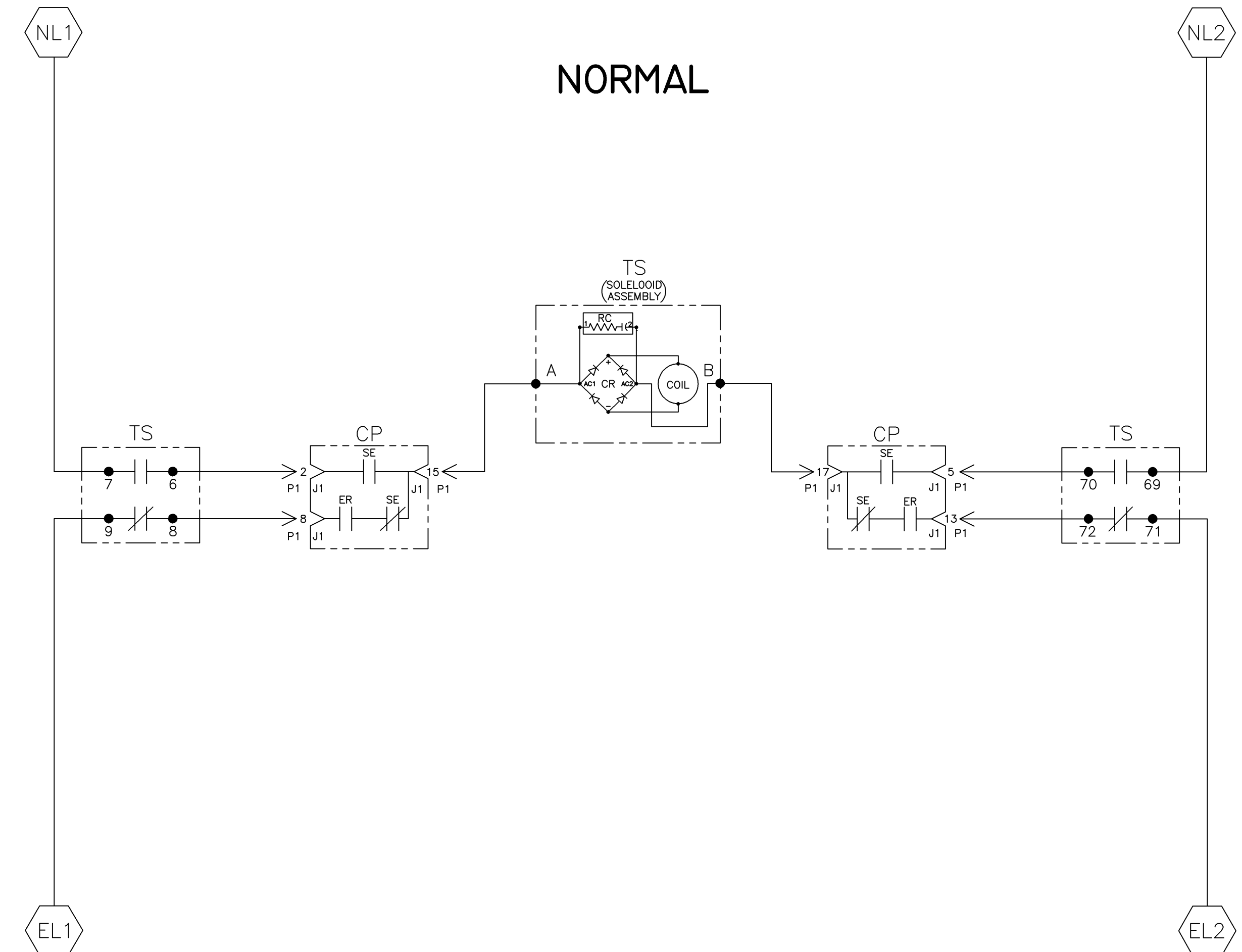
OPTIONAL OVERLAPPING NEUTRAL

OPTIONAL NEUTRAL TYPES

REFER TO "EXPLANATION OF CATALOG NUMBER CODES" IN CATALOG NUMBER CHART ON SHEET 1.

- NONE
- SOLID BUS PLATE
- SWITCHING (LOCATED BETWEEN L1 & L2 POLES)
- OVERLAPPING CONTACTS

NOTE:  
ATS SHOWN CLOSED ON NORMAL SOURCE.



TS	SOLENOID POSITION			
	CLOSED BEFORE NORMAL	BEFORE TDC	TDC	BEFORE CLOSED EMERG
6-7				
69-70				
8-9				
71-72				

TDC (TOP DEAD CENTER)  
TRANSFER SWITCH TEST & ADJUSTMENT PROCEDURE SPECIFIES CONTROL CUT-OFF (CONTACT OPENING) SETTING.

PROJECT NAME:		REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING DIAGRAM						
SERIES D300 ATS 1PH 30-230 AMPS						
"D" FRAME, GROUP 1 CONTROLS						
DRAWN BY	BWM	DATE	6/02	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005	ASSEM. REF. NO.	COMPUTER GENERATED DRAWING
CHECKED	SDH	6/02	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE	NONE	SIZE DS
PROJECT APPROVAL				DWG. NO.	718516	
FINAL APPROVAL	SDH	6/02	ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.	DRAWING J	ECN	234078
				REV.		SHEET 2 OF 4

J	234078	BK	BK	10/07/11
SEE ECN				
H	213405	WK	BK	05/16/07
SEE ECN				
G	209675	BWM	BWM	8/8/06
SEE ECN				
F	201752	BK	BK	09/15/04
SEE ECN				
E	167603	BK	BK	07/22/04
SEE ECN				
D	166966	SDH	SDH	05/04/04
SEE ECN				
C	164762	BWM	WK	9/03
ADD 11BG				
B	164537	BWM	WK	08/08/03
SEE ECN				
A	163086	BWM	WK	03/05/03
SEE ECN				
-	160946	BWM	SDH	6/02
ISSUE				

WIRE RUN LISTING

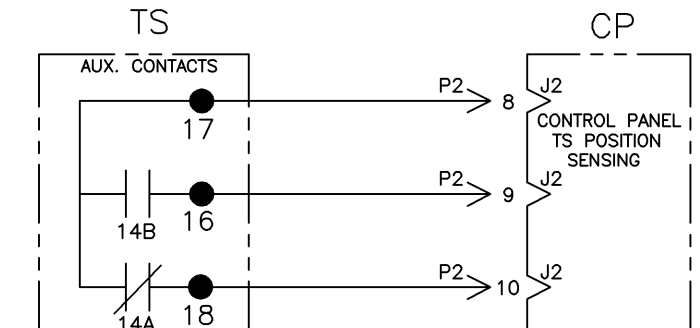
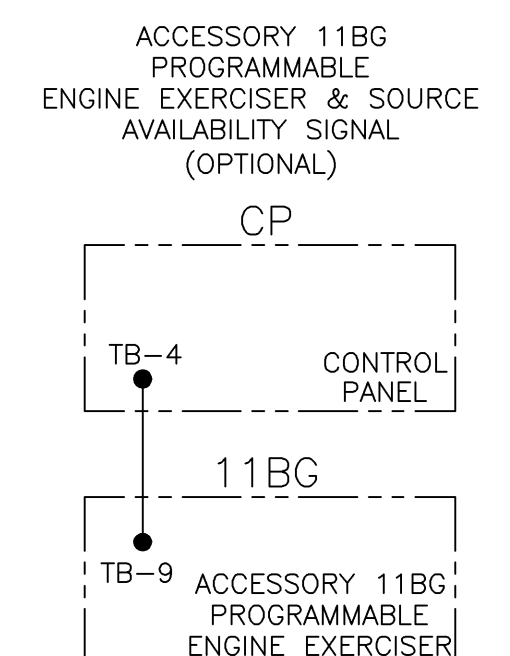
FOR 30-230 AMPS

WIRE No.	337782-002 (P1,P2) MAIN TS FOR 30-230 AMPS	CLR	AWG
1	TS-8,P1-8		16
2	TS-A,P1-15		
3	TS-6,P1-2		
4	TS-3,P1-4		
5	TS-B,P1-17		
6	TS-5,P1-12		
7	TS-4,P1-7		
8	TB-14,P2-2		
9	TB-15,P2-3		
10	TS-17,P2-8		
11	TS-2,P1-10		
12	TS-1,P1-1		
13	TS-16,P2-9		
14	TS-18,P2-10		
15	TS-70,P1-5		
16	TS-72,P1-13		
17	TS-4,TS-9		
18	TS-7,TS-1		
19	TS-3,TS-69		
20	TS-5,TS-71		
23	TB-16,P2-1		
DEAD END WIRES			
11	TS-2,P1-10		
ADD WIRES			
21	TS-14,TB-14		
22	TS-15,TB-15		

OPTIONAL ACC. 11BG

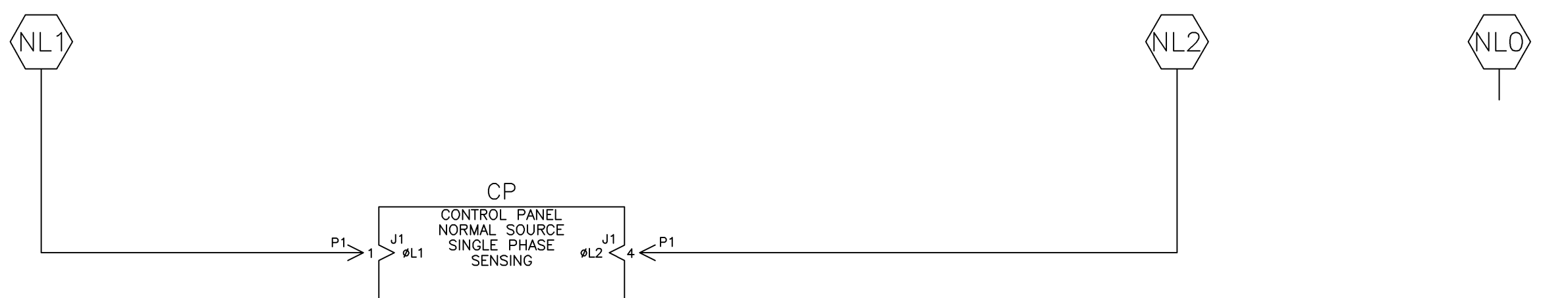
WIRE No.	ACC. 11BG	CLR	AWG
28	CP-TB-4,11BG-TB-9		16

CONTROL SIGNALS & INDICATION



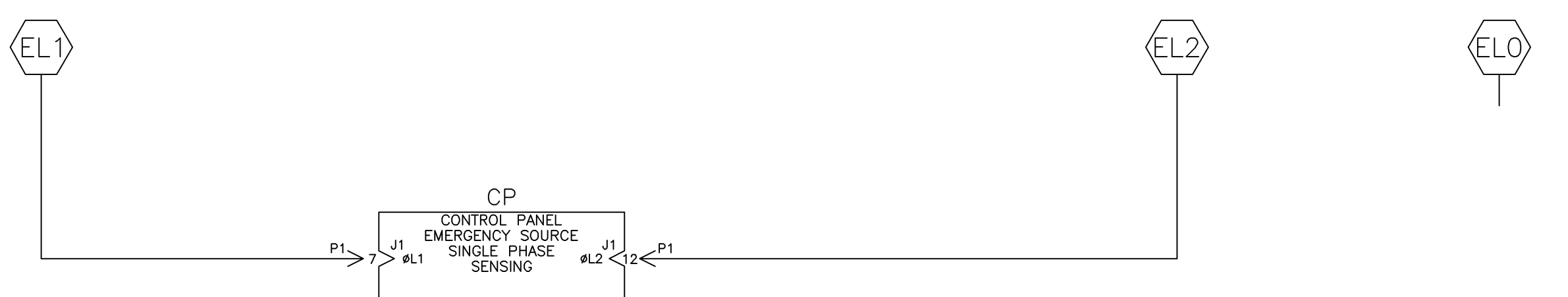
NORMAL SOURCE CIRCUITS

NORMAL



EMERGENCY SOURCE CIRCUITS

EMERGENCY



LOAD TERMINAL CIRCUITS

LOAD



H	213405	WK	BK	05/16/07
SEE ECN				
G	209675	BWM	BWM	8/8/06
SEE ECN				
F	201752	BK	BK	09/15/04
SEE ECN				
E	167603	BK	BK	07/22/04
SEE ECN				
D	166966	SDH	SDH	05/04/04
SEE ECN				
C	164762	BWM	WK	9/03
ADD 11BG				
B	164537	BWM	WK	08/08/03
SEE ECN				
A	163086	BWM	WK	03/05/03
SEE ECN				
-	160946	BWM	SDH	6/02
ISSUE				

PROJECT NAME: \_\_\_\_\_

WIRING \_\_\_\_\_ DIAGRAM \_\_\_\_\_

SERIES D300 ATS 1PH 30-230 AMPS

"D" FRAME, GROUP 1 CONTROLS

DRAWN BY	BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.	ASSEM. REF. NO.	COMPUTER GENERATED DRAWING
CHECKED	SDH	6/02	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		SCALE NONE SIZE DS
PROJECT APPROVAL					DWG. NO. 718516
FINAL APPROVAL	SDH	6/02			DRAWING J ECN 234078 SHEET 3 OF 4

ASCO POWER TECHNOLOGIES, L.P.  
FLORHAM PARK, NEW JERSEY 07932 U.S.A.

D

C

B

A

D

C

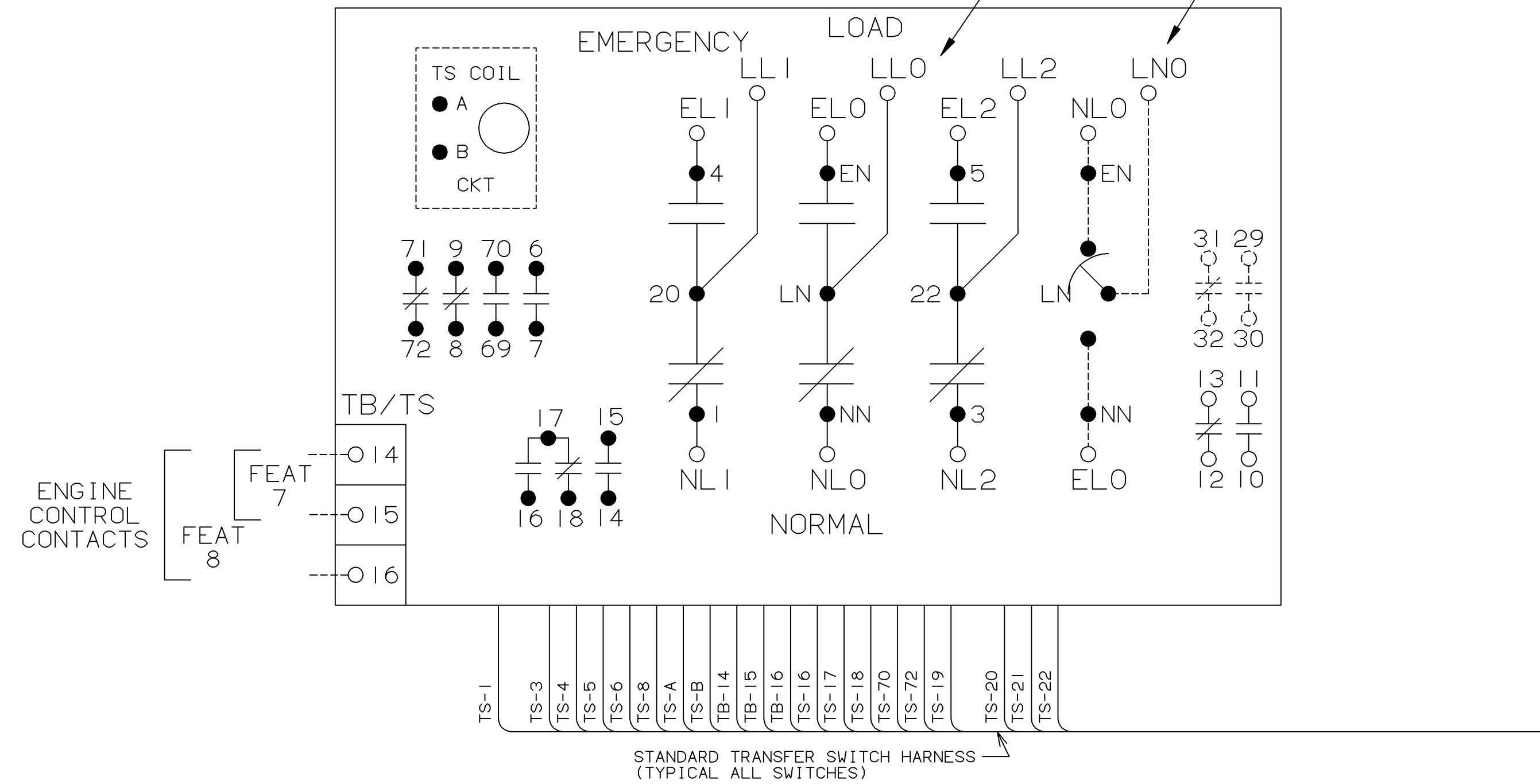
B

A

PHYSICAL DIAGRAM

ENCLOSURE

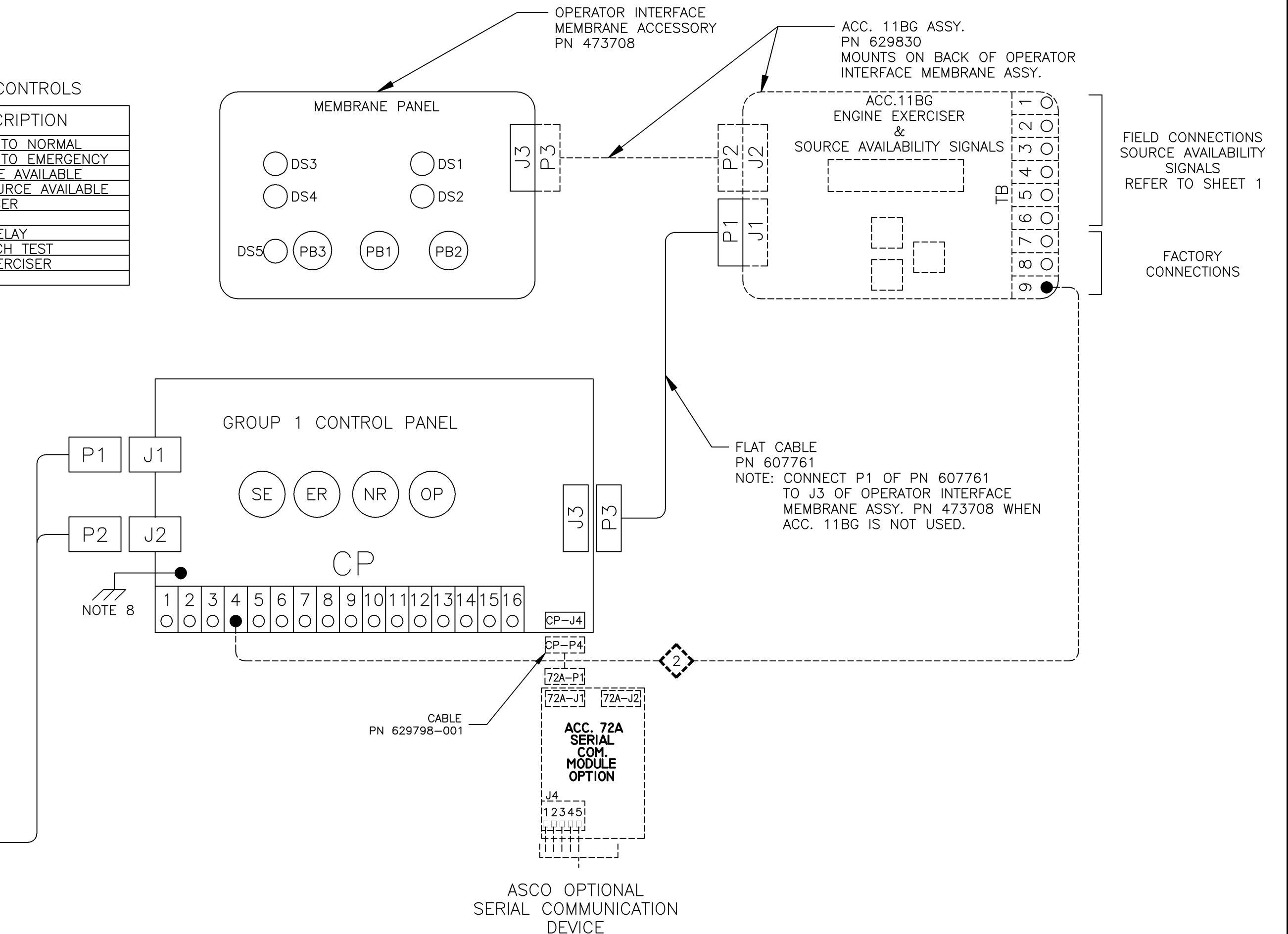
TS (TRANSFER SWITCH)  
VIEW FROM INSIDE FRONT  
30, 70, 100, 150, 200, & 230 AMPS



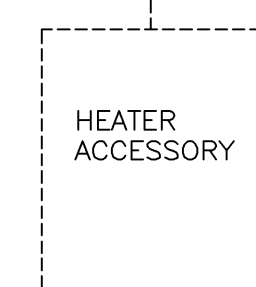
DOOR (INSIDE)

OPERATOR CONTROLS

ID	DESCRIPTION
DS1	TS CONNECTED TO NORMAL
DS2	TS CONNECTED TO EMERGENCY
DS3	NORMAL SOURCE AVAILABLE
DS4	EMERGENCY SOURCE AVAILABLE
DS5	ENGINE EXERCISER
PB1	BYPASS TIME DELAY
PB2	TRANSFER SWITCH TEST
PB3	SET ENGINE EXERCISER



TO LOAD OF ATS  
(OPTIONAL ACC. 44G)  
OR  
TO CUSTOMER POWER  
SUPPLY 120VAC  
(OPTIONAL ACC. 44A)



DOOR HINGE

BONDING STRAP  
PN 098323-019

J	234078	BK	BK	10/07/11
	SEE ECN			
H	213405	WK	BK	05/16/07
	SEE ECN			
G	209675	BWM	BWM	8/8/06
	SEE ECN			
F	201752	BK	BK	09/15/04
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	SEE ECN			
-	160946	BWM	SDH	6/02
	ISSUE			

PROJECT NAME: WIRING DIAGRAM

SERIES D300 ATS 1PH 30-230 AMPS  
"D" FRAME, GROUP 1 CONTROLS

REV. TO SHEET	ECN NO.	BY	APP.	DATE

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-055.

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FLORHAM PARK, NEW JERSEY 07932 U.S.A.

COMPUTER GENERATED DRAWING  
SCALE: NONE SIZE: DS  
DWG. NO.: 718516  
DRAWING J ECN 234078 SHEET 4 OF 4