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MAIN POWER POLES

TS OPERATOR CIRCUIT

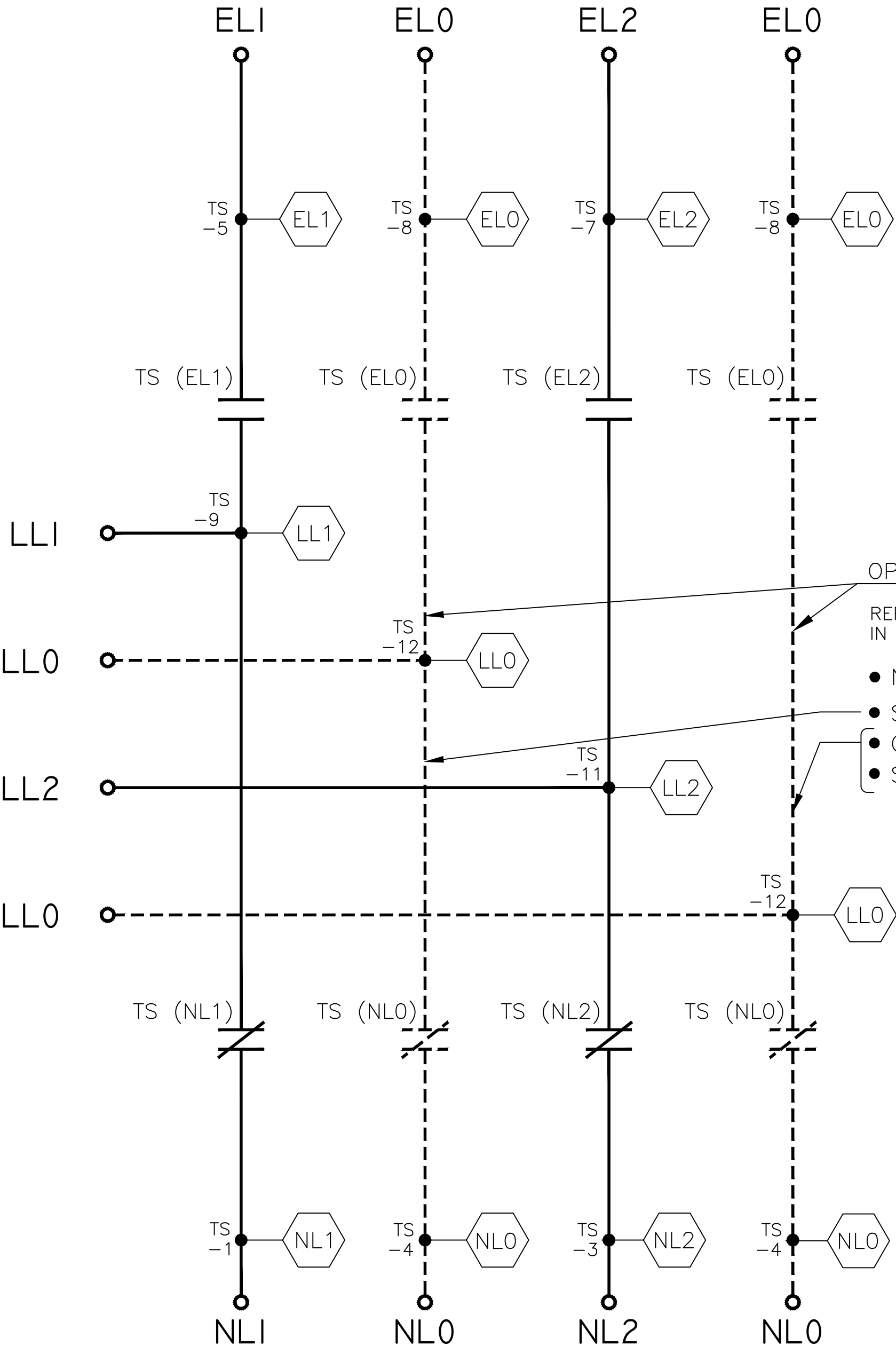
EMERGENCY

NORMAL

LOAD

EMERGENCY

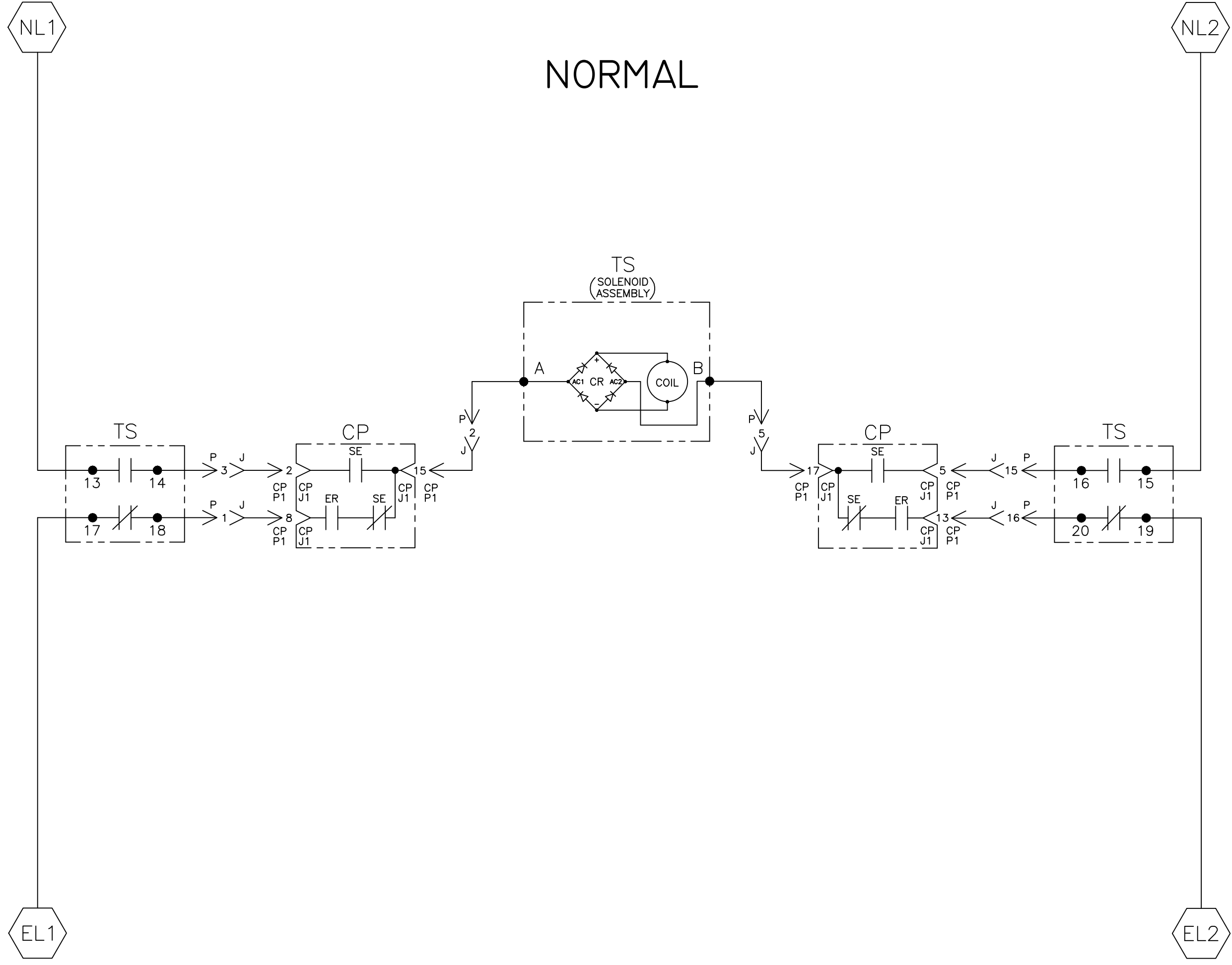
NORMAL



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

- NONE
- SWITCHING CONTACTS
- OVERLAPPING CONTACTS
- SOLID BUS PLATE

NOTE:
ATS SHOWN CLOSED ON NORMAL SOURCE.



TS CONTROL CONTACTS			
TS	SOLENOID POSITION		
	CLOSED BEFORE NORMAL	BEFORE TDC	CLOSED BEFORE EMERG
13-14			
15-16			
17-18			
19-20			

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								
SERIES H300 ATS 1PH 600-1200 AMPS								
"H" FRAME, GROUP 1 CONTROLS								
DRAWN BY	BWM	DATE	4/01	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	BK	4/10/01		PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		SCALE		SIZE DS
PROJECT APPROVAL						DWG. NO.		
FINAL APPROVAL	WK	4/10/01				717500		
				ASCOPower Technologies, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.		ECN NO. 278704		SHEET 2 OF 4

WIRE RUN LISTING

1 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	713082 (P) MAIN TS	CLR	AWG	
1	P-1,TS-18		16	
2	P-2,TS-A			
3	P-3,TS-14			
4	P-4,TS-3			
4	TS-3,TS-15			
5	P-5,TS-B			
6	P-6,TS-7			
6	TS-7,TS-19			
7	P-7,TS-5			
7	TS-5,TS-17			
8	P-8,TS-24			
8	TS-24,TB-1			
9	P-9,TS-25			
9	TS-25,TB-2			
10	P-10,TS-21			
11	P-11,TS-2			
12	P-12,TS-1			
12	TS-1,TS-13			
13	P-13,TS-22			
14	P-14,TS-23			
15	P-15,TS-16			
16	P-16,TS-20			
17	P-17,TB-3			
18	P-18,TS-6			
19	P-19,TS-9			
20	P-20,TS-10			
21	P-21,TS-11			
22	P-22,TS-4			
23	P-23,TS-8			
24	P-24,TS-12			
25	TS-27,TB-4			
26	TS-28,TB-5			
27	TS-29,TB-6			
DEAD END WIRES				
11	P-11,TS-2			
18	P-18,TS-6			
20	P-20,TS-10			

2 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 483763 (J, P1, P2) TS-CP HARNESS	CLR	AWG	
1	J-1,CP-P1-8		16	
2	J-2,CP-P1-15			
3	J-3,CP-P1-2			
4	J-4,CP-P1-4			
5	J-5,CP-P1-17			
6	J-6,CP-P1-12			
7	J-7,CP-P1-7			
8	J-8,CP-P2-2			
9	J-9,CP-P2-3			
10	J-10,CP-P2-8			
11	J-11,CP-P1-10			
12	J-12,CP-P1-1			
13	J-13,CP-P2-9			
14	J-14,CP-P2-10			
15	J-15,CP-P1-5			
16	J-16,CP-P1-13			
17	J-17,CP-P2-1			
18	J-18,CP-P1-14			

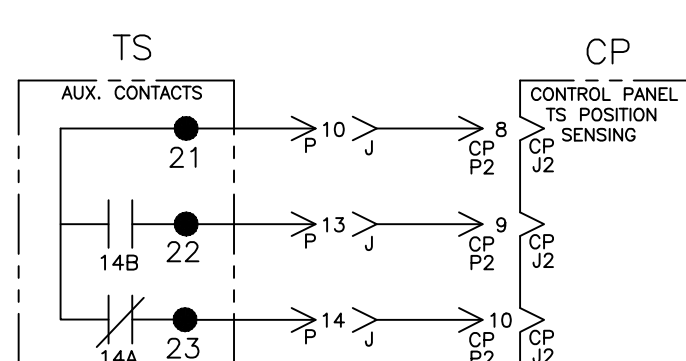
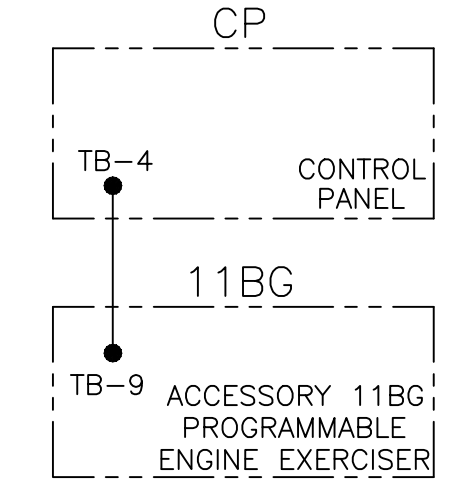
OPTIONAL ACCESSORIES

3 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	OPTIONAL ACC. 11BG CKTS.	CLR	AWG	
28	CP-TB-4,11BG-TB-9		16	

4 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	OPTIONAL ACC. 14AA & 14BA	CLR	AWG	
32	TS-30,TB-7		16	
33	TS-31,TB-8			
34	TS-32,TB-9			

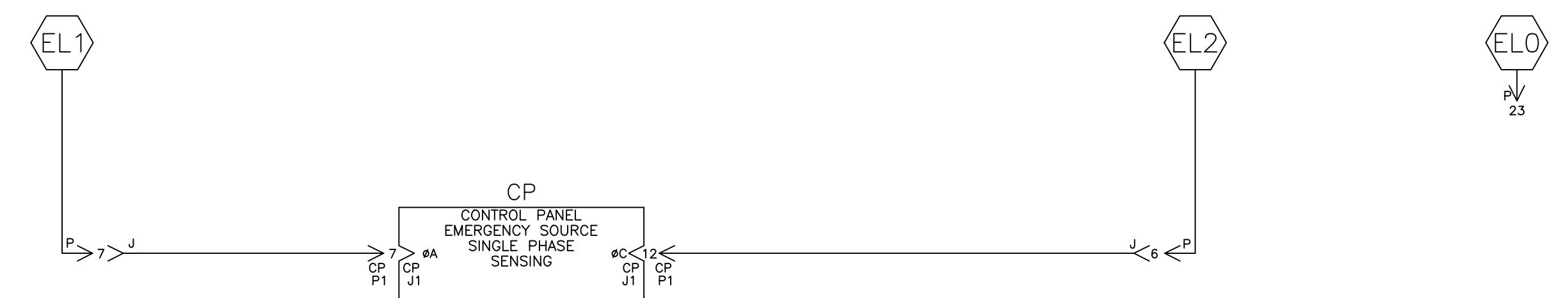
CONTROL SIGNALS & INDICATION

ACCESSORY 11BG
PROGRAMMABLE
ENGINE EXERCISER & SOURCE
AVAILABILITY SIGNAL
(OPTIONAL)



EMERGENCY SOURCE CIRCUITS

EMERGENCY



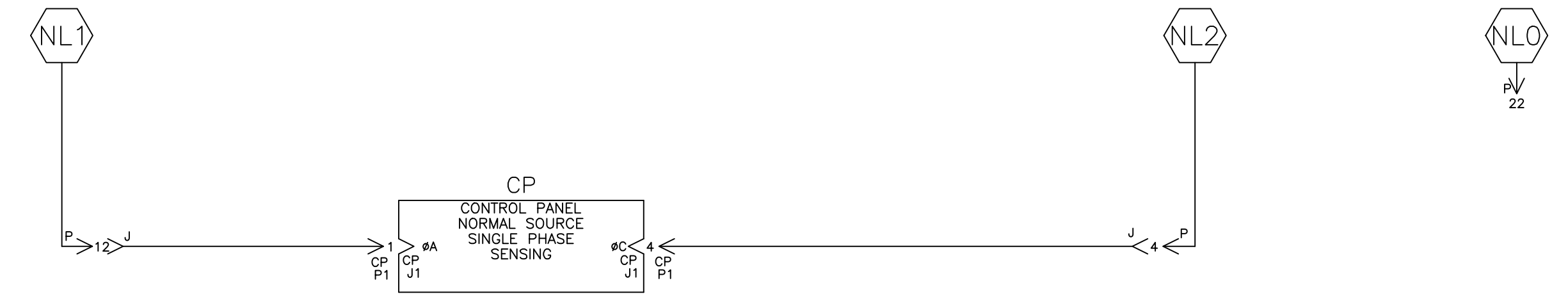
LOAD TERMINAL CIRCUITS

LOAD



NORMAL SOURCE CIRCUITS

NORMAL



K	278704	TR	BK	05/09/19
SEE ECN				
J	234078	BK	BK	10/07/11
SEE ECN				
H	213532	WK	BK	06/04/07
SEE ECN				
G	203916	TR	BK	03/29/05
SEE ECN				
F	167603	BK	BK	07/22/04
SEE ECN				
E	167217	SDH	SDH	06/04/04
SEE ECN				
D	166704	BWM	WK	03/31/04
SEE ECN				
C	164762	BWM	WK	9/03
ADD 11BG				
B	161046	BWM	SDH	6/02
SEE ECN				
A	157813	BWM	WK	5/24/01
SEE ECN				
—	157352	BWM	WK	4/01
ISSUE				

PROJECT NAME:		REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING		DIAGRAM				
SERIES H300 ATS 1PH 600-1200 AMPS						
"H" FRAME, GROUP 1 CONTROLS						
DRAWN BY	BWM	DATE	4/01	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005		ASSEM. REF. NO.
CHECKED	BK	4/10/01	PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		COMPUTER GENERATED DRAWING	
PROJECT APPROVAL	WK	4/10/01	DWC NO.		SCALE	NONE
FINAL APPROVAL			DWC NO.		SIZE	DS
DRAWING K		ECN NO.	278704	SHEET		3 OF 4

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

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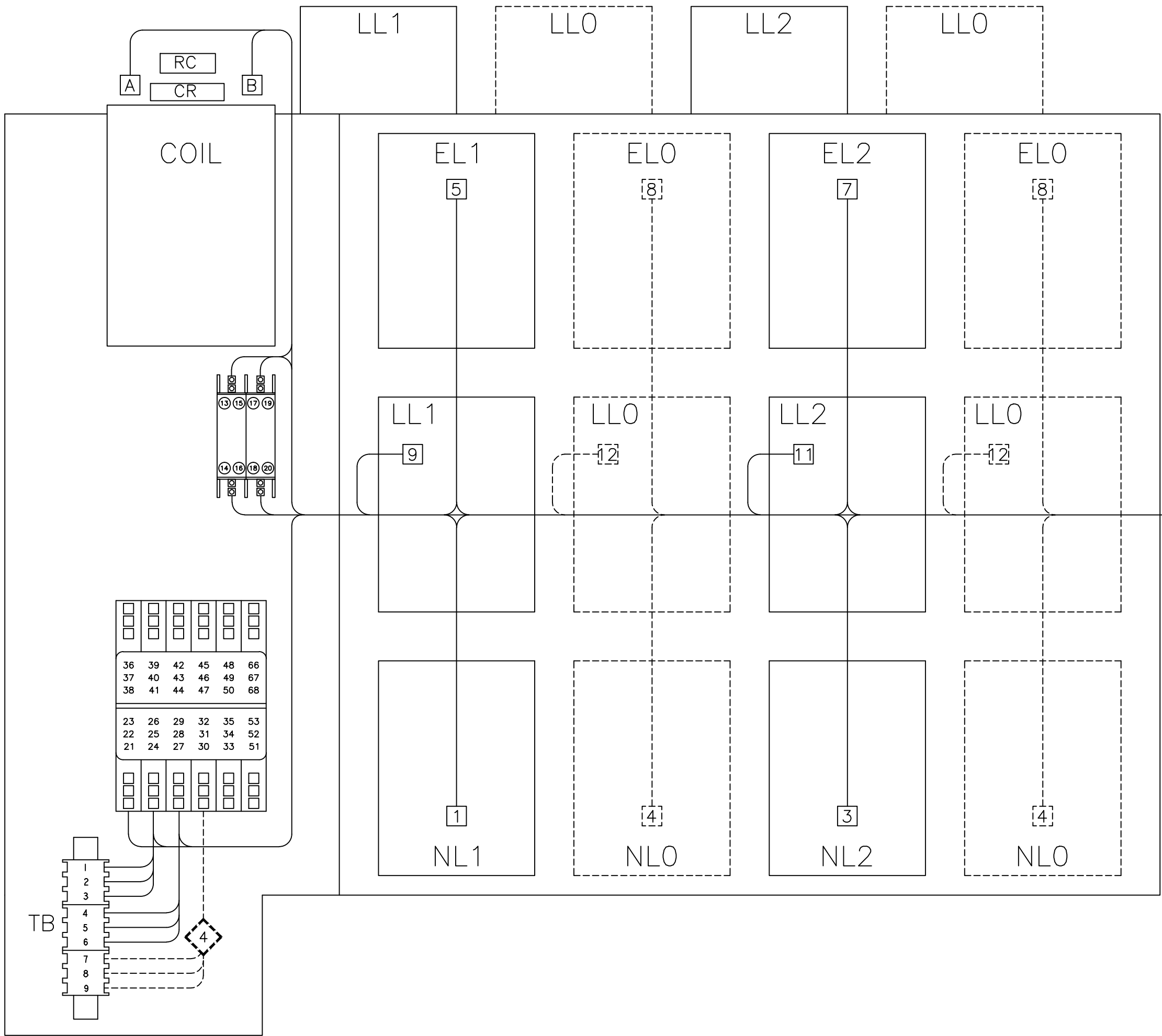
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PHYSICAL DIAGRAM

ENCLOSURE

DOOR (INSIDE)

TS (TRANSFER SWITCH)
VIEW FROM INSIDE FRONT



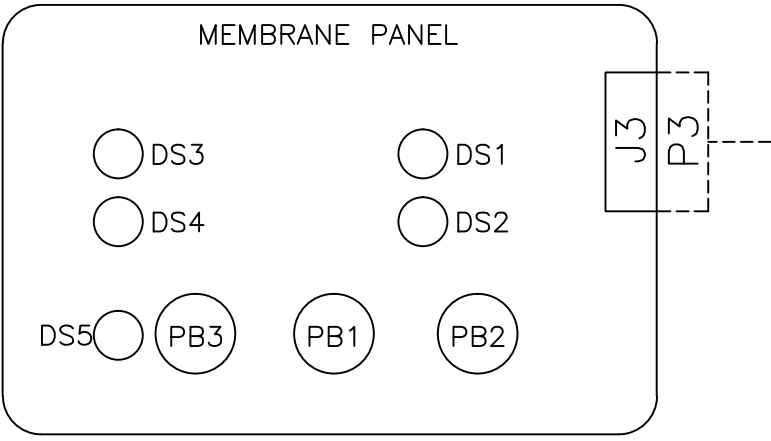
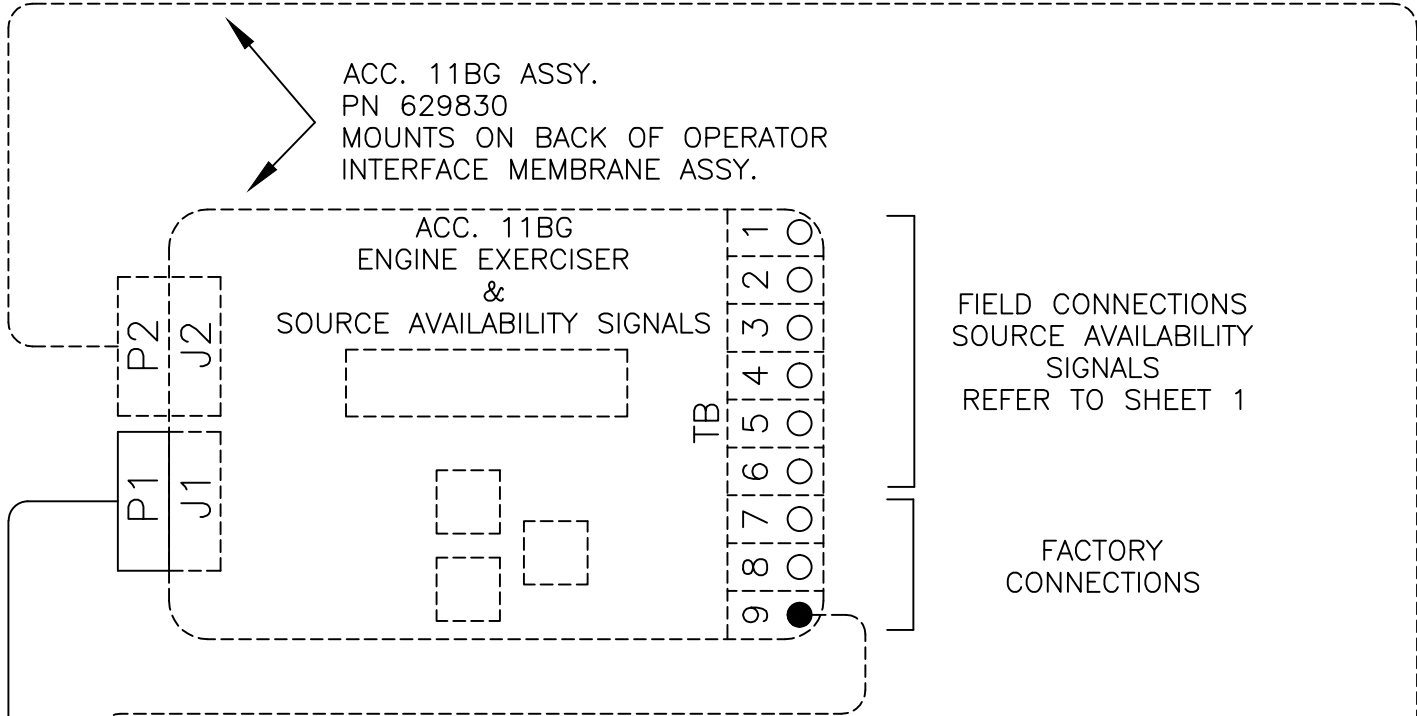
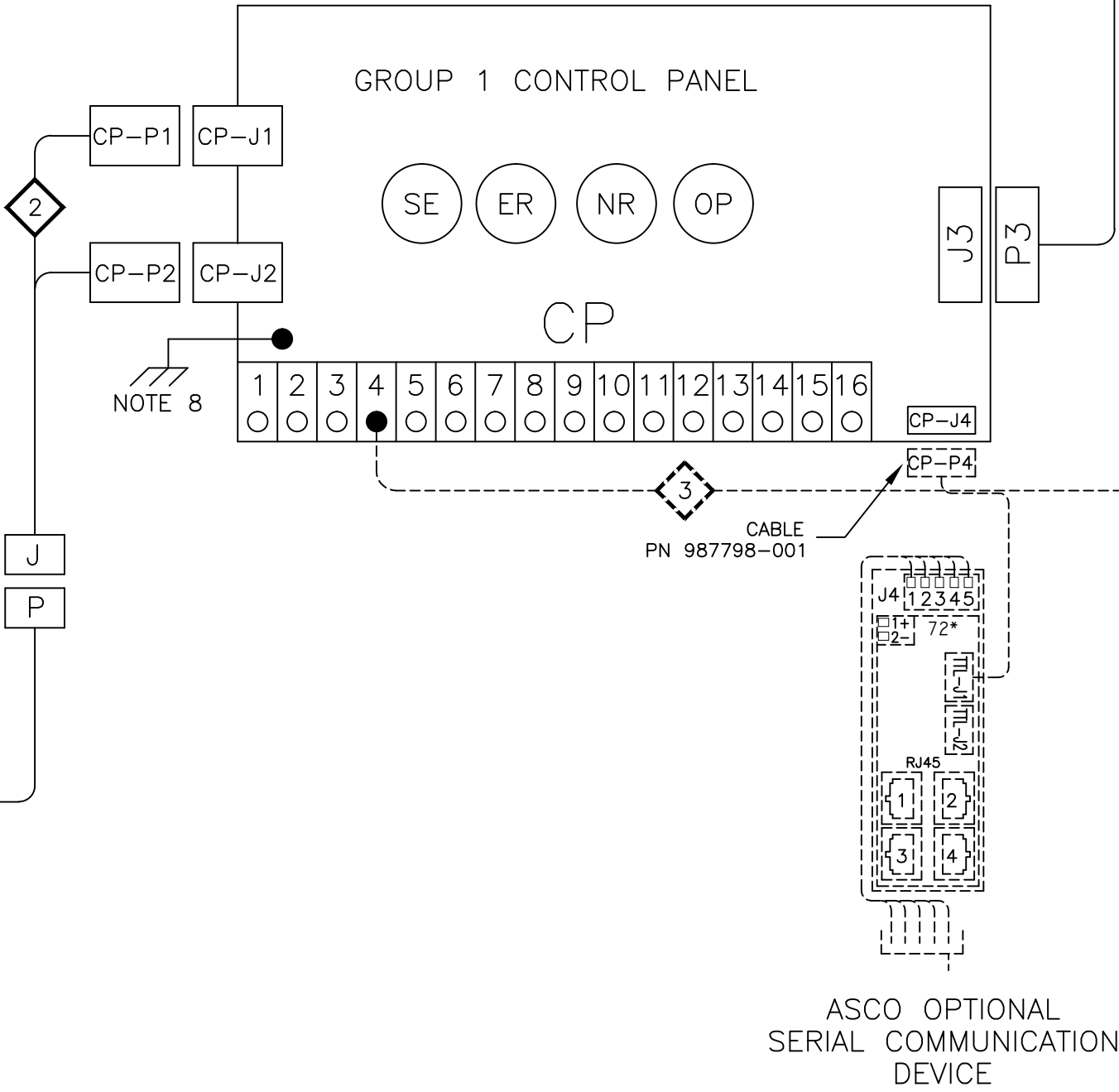
TO LOAD OF ATS
(OPTIONAL ACC. 44G)
OR
TO CUSTOMER POWER
SUPPLY 120VAC
(OPTIONAL ACC. 44A)



DOOR HINGE

BONDING STRAP
PN 098323-019

FLAT CABLE PN 607761
NOTE: CONNECT P1 OF PN 607761
TO J3 OF OPERATOR INTERFACE
MEMBRANE ASSY. PN 473708 WHEN
ACC. 11BG IS NOT USED.



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

PROJECT NAME:		REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING						
DIAGRAM						
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"H" FRAME, GROUP 1 CONTROLS						
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CHECKED	BK	DATE	4/10/01	PROPERTY OF ASCO POWER TECHNOLOGIES, L.P. WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE	NONE
PROJECT APPROVAL					DWG. NO.	717500
FINAL APPROVAL	WK	DATE	4/10/01		DRAWING REV.	ECN NO. 278704
ASCO		ASCO POWER TECHNOLOGIES, L.P.		FLORHAM PARK, NEW JERSEY 07932 U.S.A.		
				SHEET 4 OF 4		