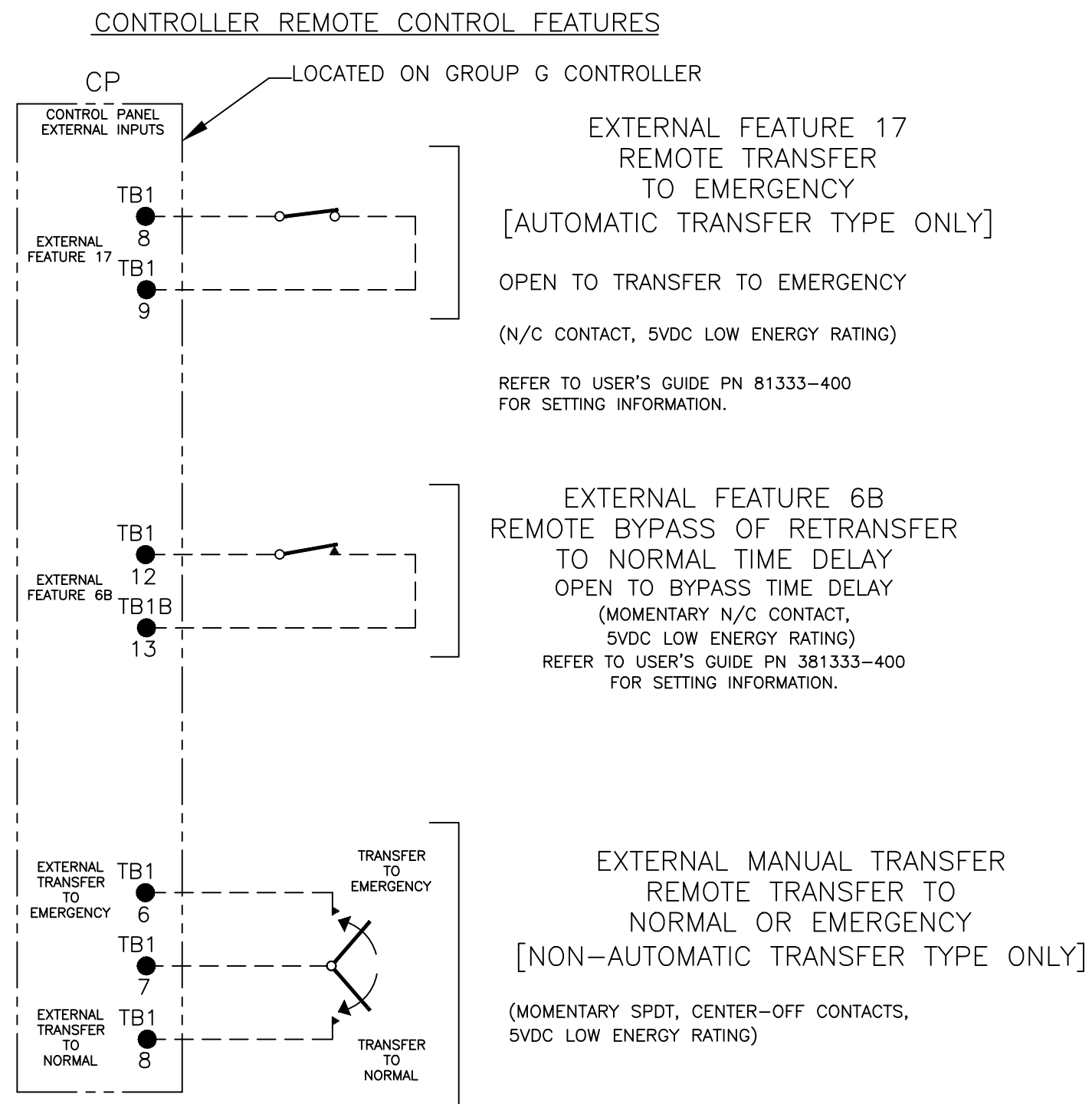
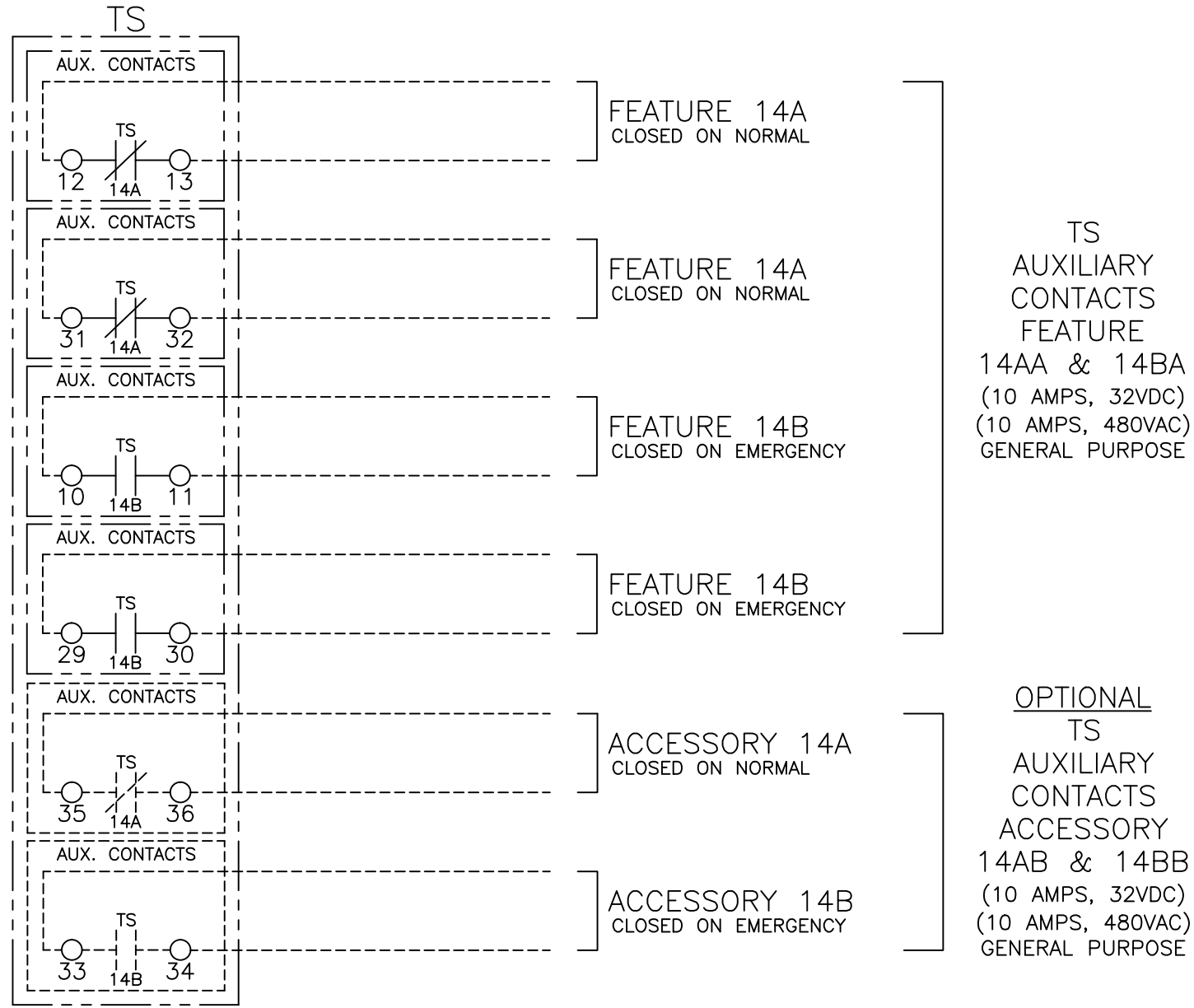
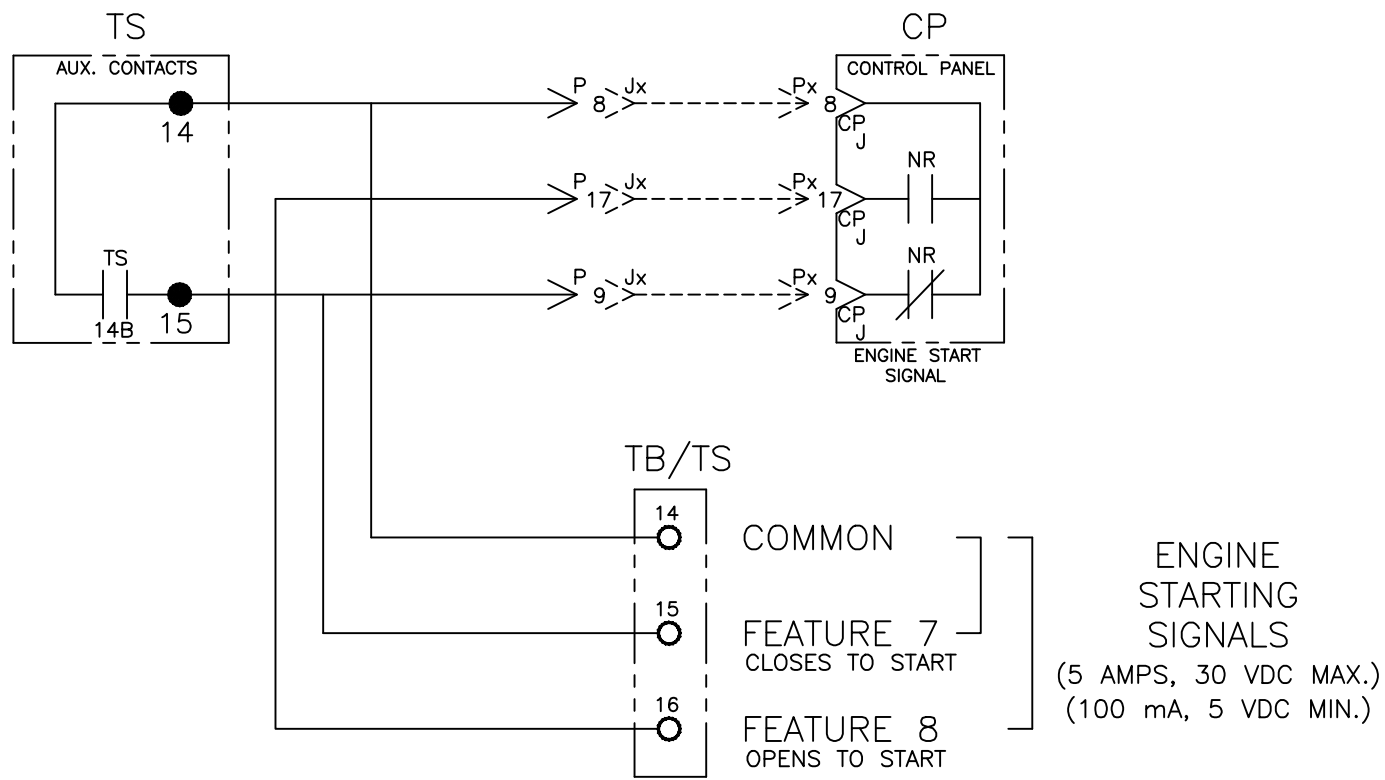
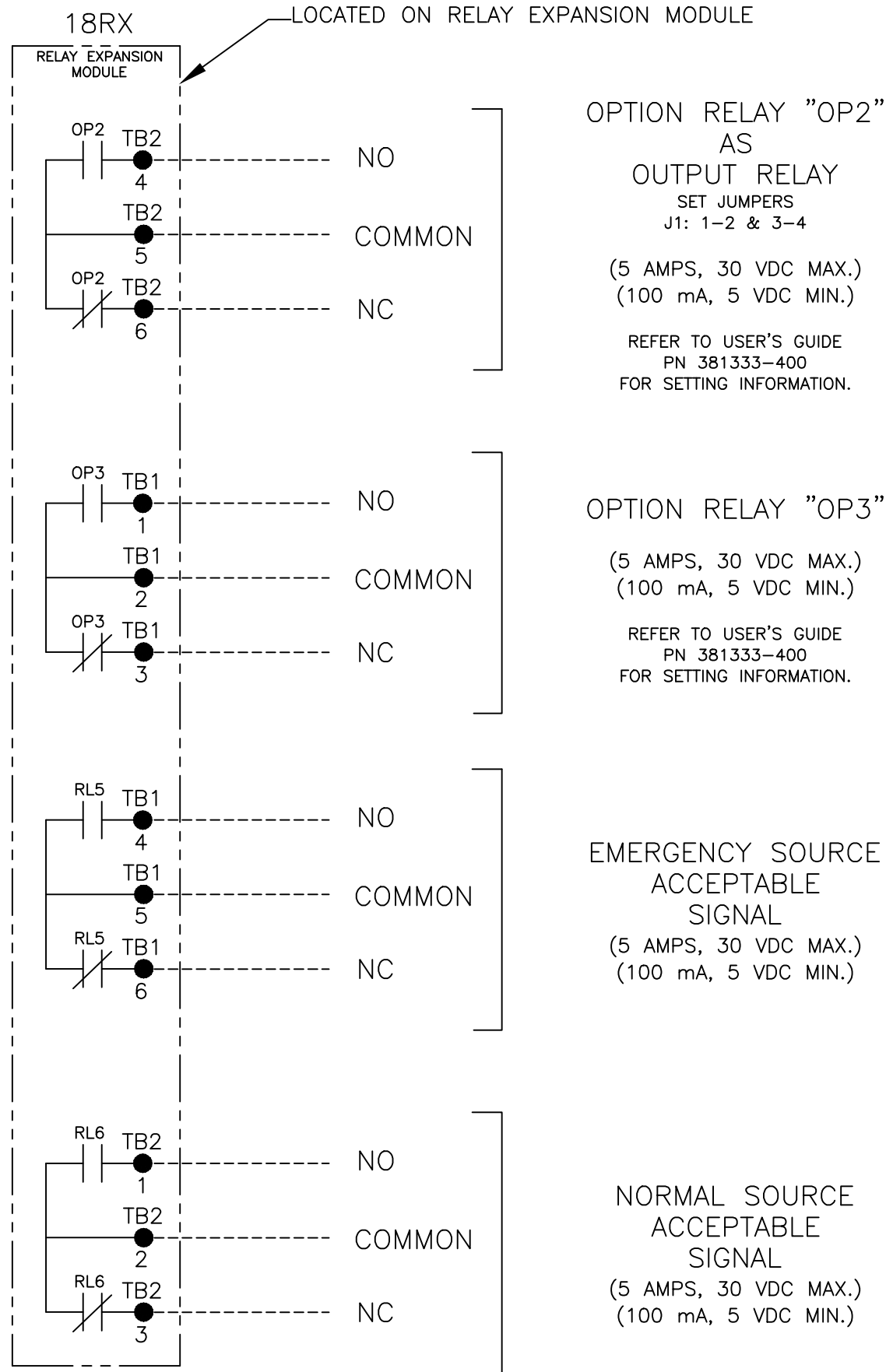


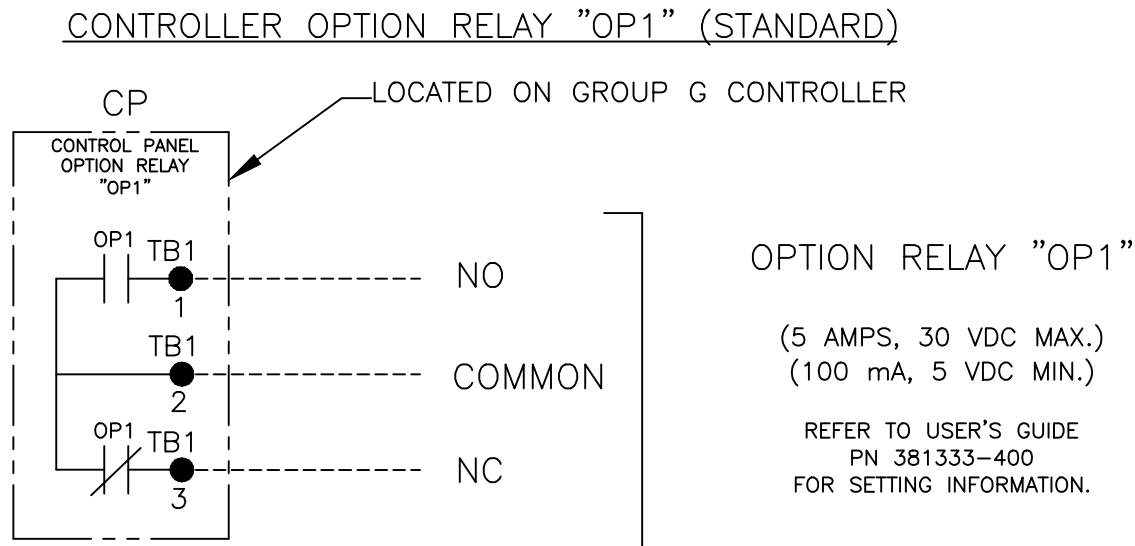
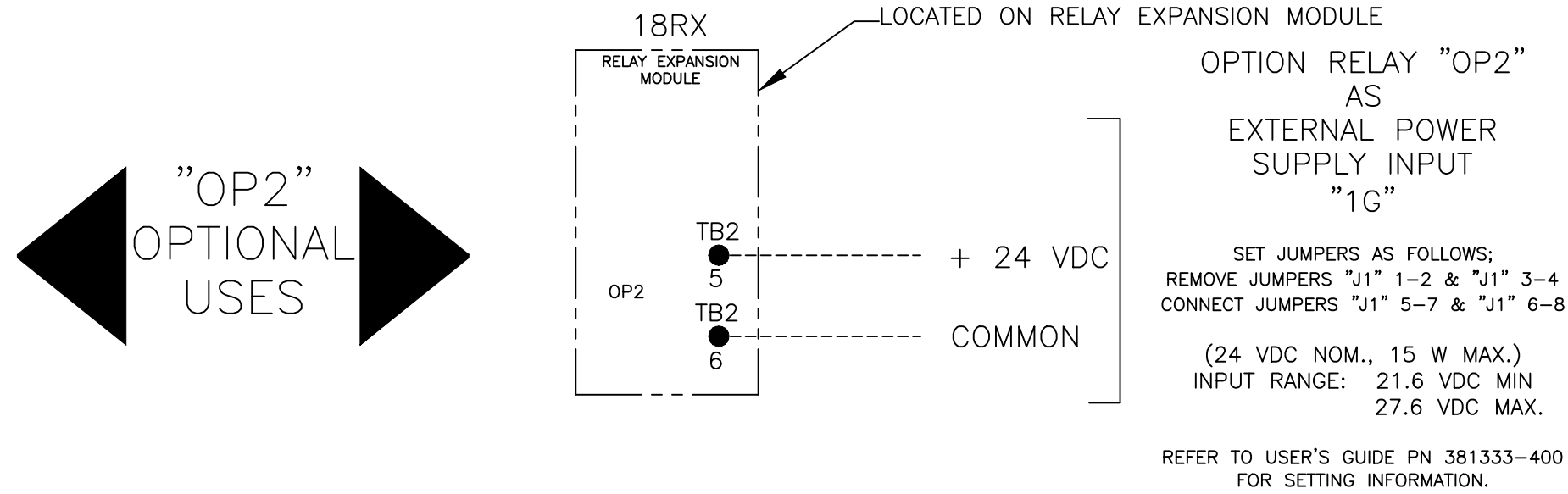
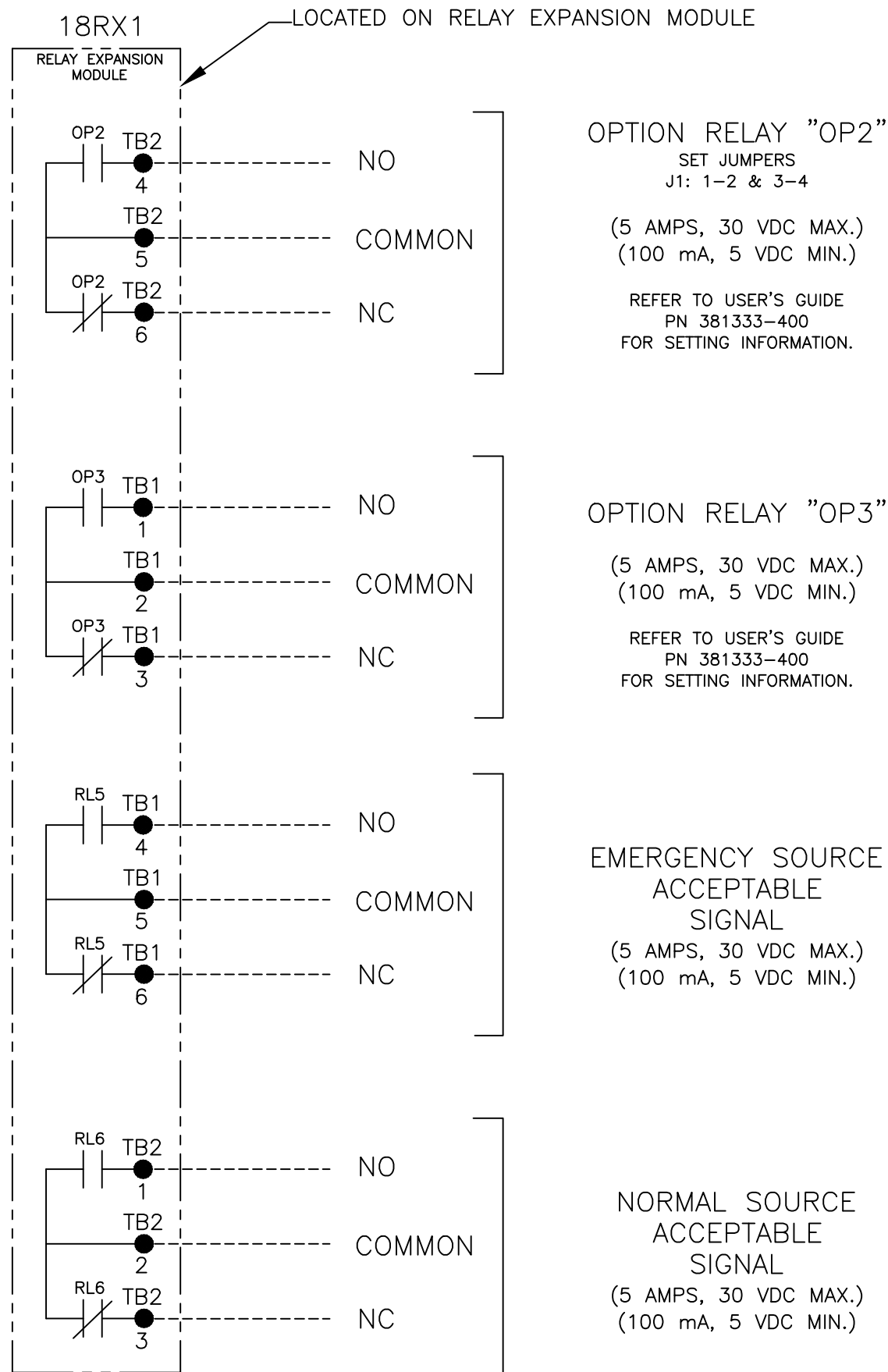
FIELD CONNECTIONS



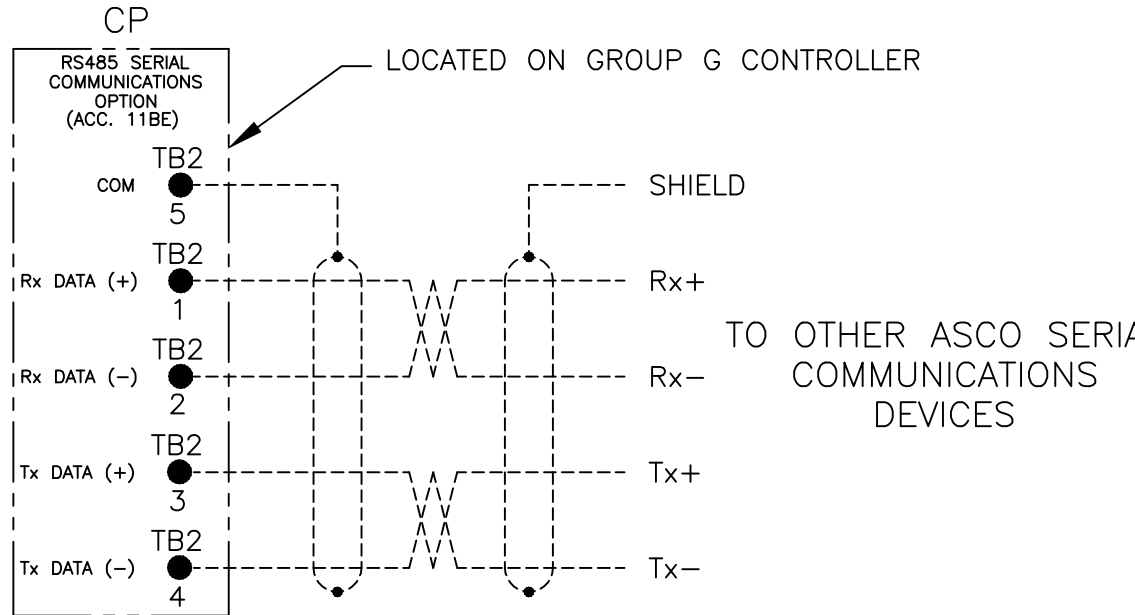
OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE)



OPTIONAL ACCESSORY 18RX1 (SECOND RELAY EXPANSION MODULE)



RS485 SERIAL COMMUNICATIONS OPTION AVAILABLE WITH OPTIONAL ACCESSORY 11BE: FOUR-FUNCTION SOFTWARE BUNDLE REFER TO USER'S GUIDE PN 381333-400 FOR SETTING INFORMATION.



- NOTES:
1. EARTH GROUND SHIELD AT HOST DEVICE ONLY.
 2. FIELD WIRING: USE UL LISTED, STRANDED, TWISTED PAIRS, OVERALL FOIL SHIELD WITH STRANDED DRAIN WIRE SUITABLE FOR RS422 EQUIVALENT TO:
- (STANDARD 80°C) BELDEN 9842 OR 9829 OR ALPHA 6202C OR 6222C
- (PLENUM RATED) BELDEN 89729 OR 82729 OR ALPHA 58902

G	278589	TR	BK	05/03/19		
F	251413	TR	BK	10/27/14		
E	247954	TR	BK	4/23/14		
D	247770	SDH	SDH	2/14/14		
C	246358	AE	BK	01/27/14		
B	243244	DL	JPB	07/10/13		
A	242580	SDH	SDH	5/24/13		
—	242255	SDH	SDH	5/6/13		
ISSUE		REV. TO SHEET	ECN NO.	BY	APP.	DATE
PROJECT NAME:						
WIRING		DIAGRAM				
300 SERIES D3ATS/D3NTS, SINGLE PHASE 30-230 AMPS						
"D" FRAME, GROUP G CONTROLS						
BY		DATE		MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005		
DRAWN BY		SDH 5/6/13		ASSEM. REF. NO.		
CHECKED				PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		
PROJECT APPROVAL				COMPUTER GENERATED DRAWING		
FINAL APPROVAL		SDH 5/6/13		SCALE NONE SIZE DS		
				DWG. NO. 978739		
ASCO® ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.				DRAWING REV. G ECN NO. 278589 SHEET 2 OF 6		

D

C

B

A

MAIN POWER POLES

EMERGENCY

OPTIONAL
SWITCHING
NEUTRAL

OPTIONAL OVERLAPPING NEUTRAL

SOLID NEUTRAL

OPTIONAL NEUTRAL TYPES

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

- SOLID BUS PLATE
- SWITCHING (LOCATED BETWEEN L1 & L2 POLES)
- OVERLAPPING CONTACTS

NOTE:
ATS SHOWN CLOSED ON NORMAL SOURCE.

NORMAL

LOAD

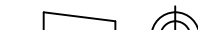
TS OPERATOR CIRCUIT

NORMAL

EMERGENCY

TS CONTROL CONTACTS				
TS	SOLENOID POSITION			
	CLOSED BEFORE NORMAL	BEFORE TDC	CLOSED BEFORE EMERG	BEFORE TDC
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				
300 SERIES D3ATS/D3NTS, SINGLE PHASE 30-230 AMPS								
"D" FRAME, GROUP G CONTROLS				THIRD ANGLE PROJECTION				
BY		DATE		MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005		ASSEM. REF. NO.		
DRAWN BY		SDH		5/6/13		COMPUTER GENERATED DRAWING		
CHECKED				PROPERTY OF ASCO POWER TECHNOLOGIES, L.P. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		SCALE		
PROJECT APPROVAL						NONE		
FINAL APPROVAL		SDH		5/6/13		SIZE		
						DS		
						DWG. NO.		
						978739		
						DRAWING REV.		
						ECN NO. 278589		
						SHEET 3 OF 6		

D

C

B

A

D

C

B

A

D

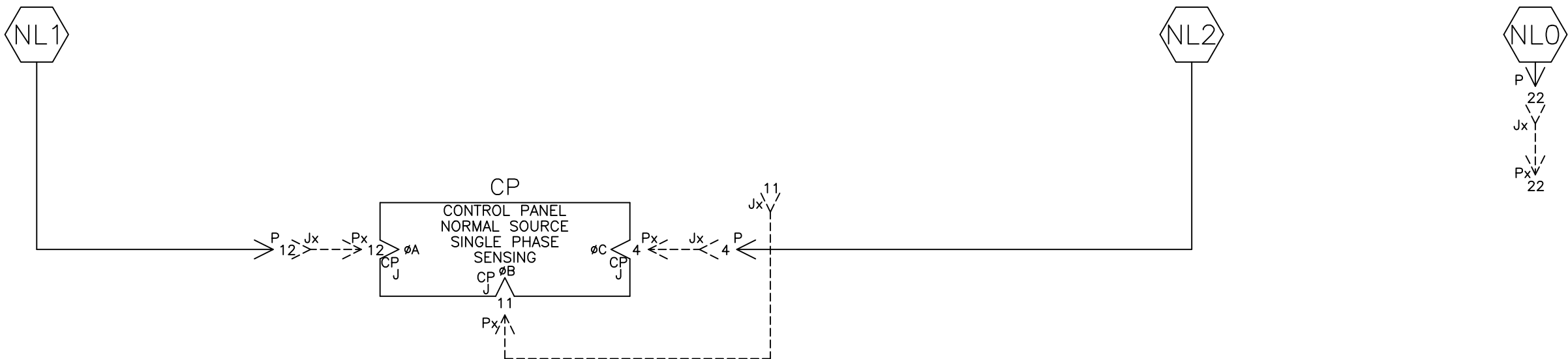
C

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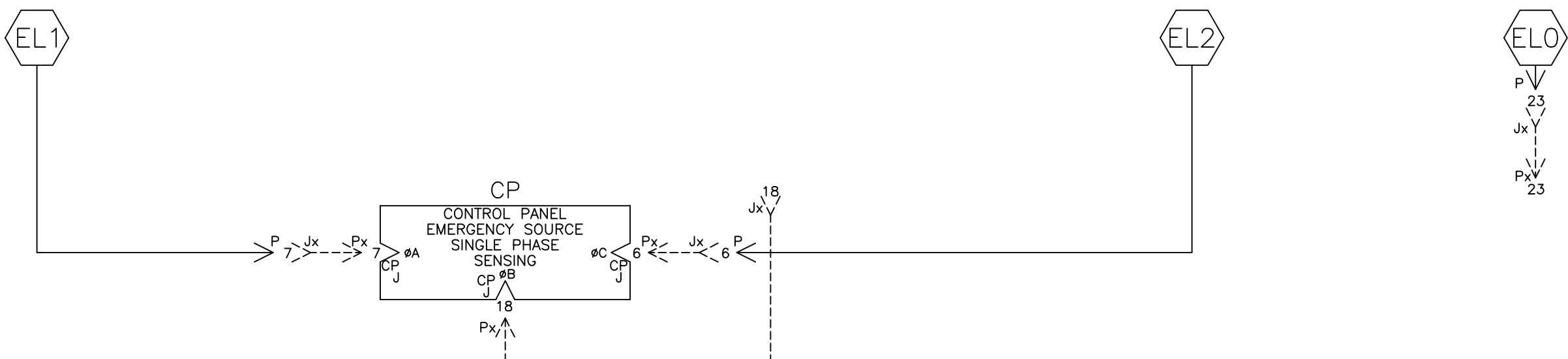
NORMAL SOURCE CIRCUITS

NORMAL



EMERGENCY SOURCE CIRCUITS

EMERGENCY

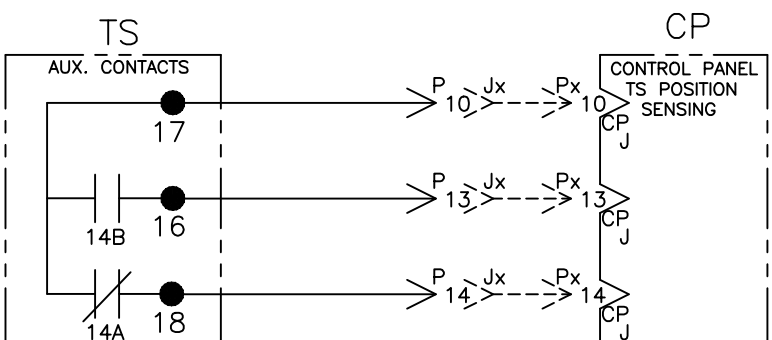


LOAD TERMINAL CIRCUITS

LOAD



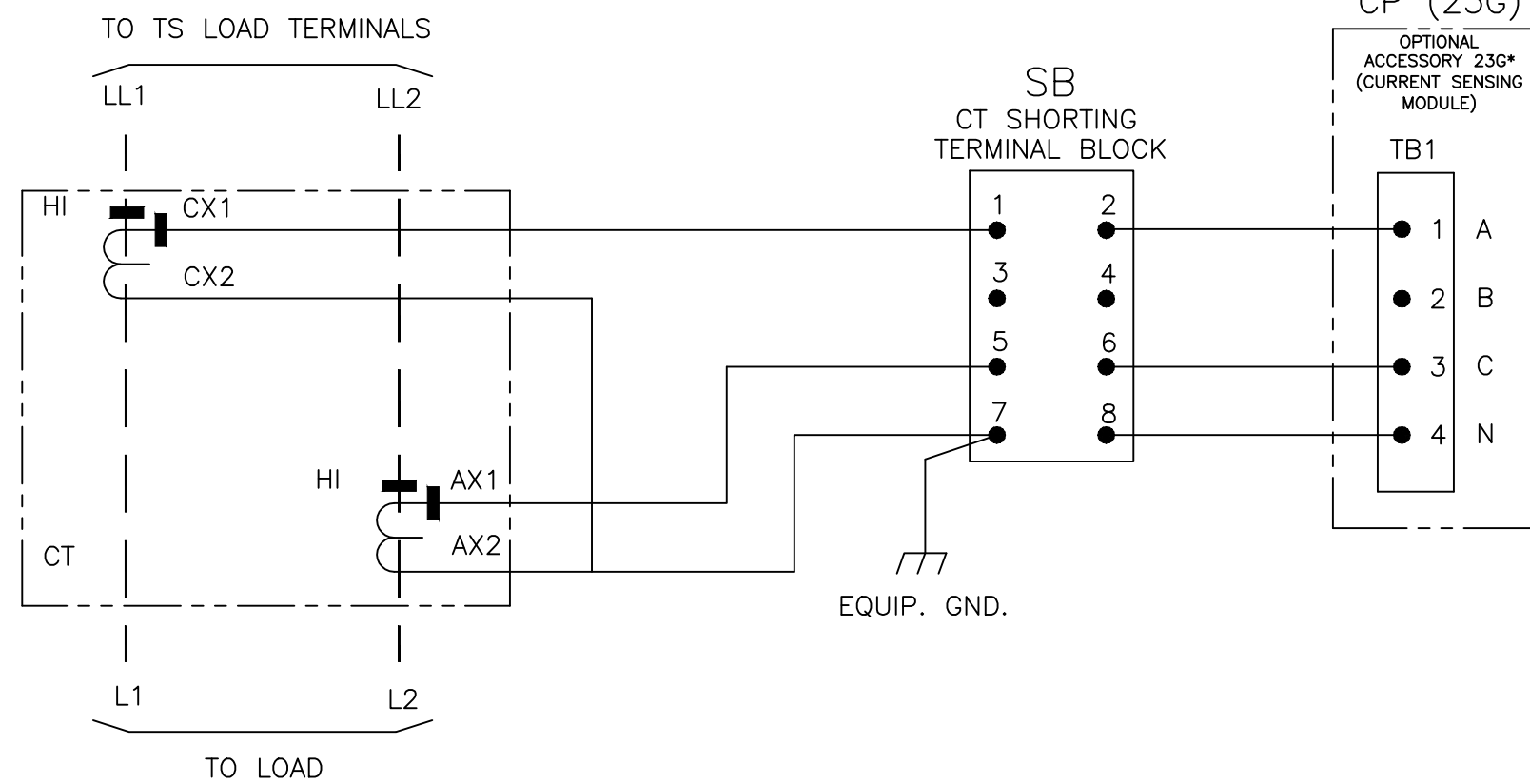
CONTROL SIGNALS & INDICATION



ADDITIONAL CIRCUITS

OPTIONAL ACCESSORY 23GA (LOAD CURRENT METERING)

CURRENT TRANSFORMER RATIO TABLE	
SWITCH RATING	CT RATIO
30A	50:5A
70A	75:5A
100A	100:5A
150A	150:5A
200A	200:5A
230A	250:5A



PROJECT NAME:		REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING		DIAGRAM				
300 SERIES D3ATS/D3NTS, SINGLE PHASE 30-230 AMPS						
"D" FRAME, GROUP G CONTROLS						
DRAWN BY		SDH	DATE	5/6/13	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.	
CHECKED					ASSEM. REF. NO.	
PROJECT APPROVAL					SCALE NONE SIZE DS	
FINAL APPROVAL		SDH	5/6/13	DWG. NO. 978739		COMPUTER GENERATED DRAWING
				DRAWING G ECN NO. 278589		SHEET 4 OF 6

ASCO

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

D

C

B

A

D

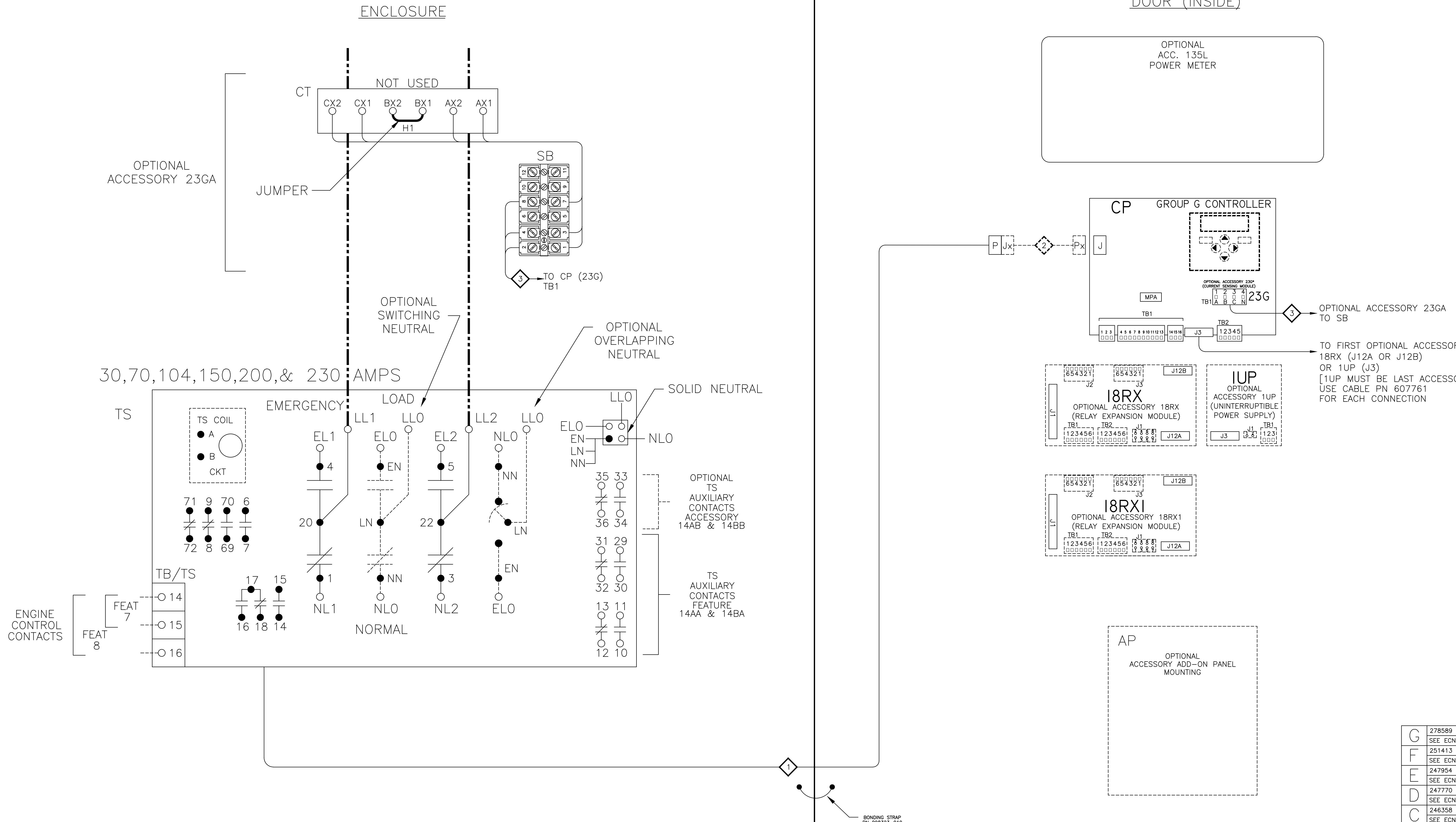
C

B

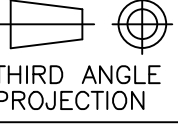
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PHYSICAL DIAGRAM

DOOR (INSIDE)

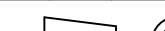
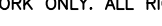


PROJECT NAME:		REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING		DIAGRAM				
300 SERIES D3ATS/D3NTS, SINGLE PHASE 30-230 AMPS						
"D" FRAME, GROUP G CONTROLS						
DRAWN BY	SDH	DATE	5/6/13	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005	ASSEM. REF. NO.	COMPUTER GENERATED DRAWING
CHECKED				PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE	NONE
PROJECT APPROVAL					SIZE	DS
FINAL APPROVAL	SDH	5/6/13			DWG. NO.	978739
				ASCOTM ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.		SHEET 5 OF 6
				DRAWING G		ECN NO. 278589



THIRD ANGLE PROJECTION

[illegible][illegible]

PROJECT NAME:				REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING				DIAGRAM			 THIRD ANGLE PROJECTION	
300 SERIES D3ATS/D3NTS, SINGLE PHASE 30-230 AMPS								
"D" FRAME, GROUP G CONTROLS								
BY		DATE		MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-055		ASSEM. REF. NO.		
DRAWN BY		SDH 5/6/73						
CHECKED		PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.						
PROJECT APPROVAL								
FINAL APPROVAL		SDH 5/6/73		COMPUTER GENERATED DRAWING SCALE NONE SIZE DS DWG. NO. 978739 DRAWING G ECN NO. 278598 SHEET 6 OF 6				
 ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.								