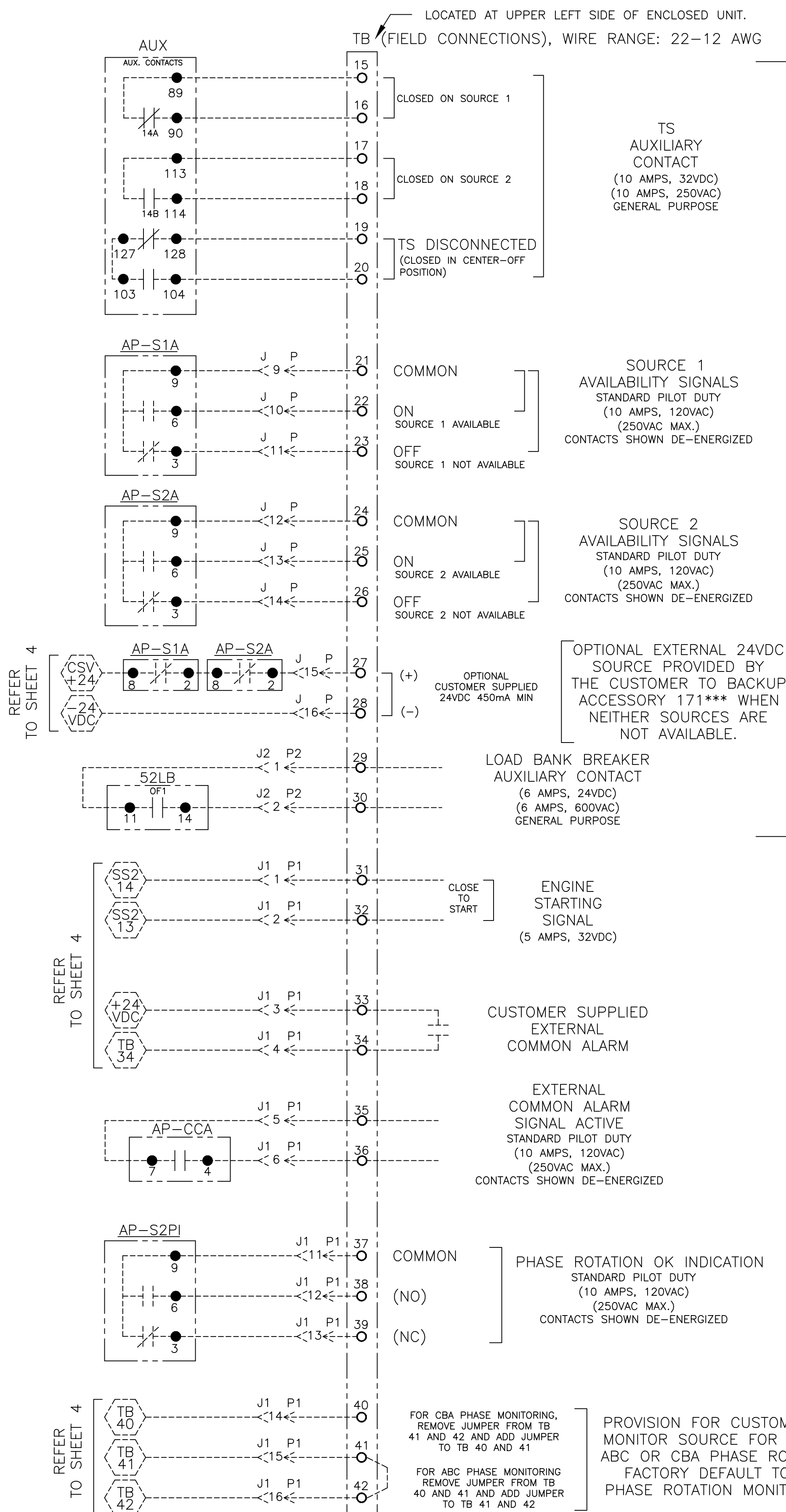
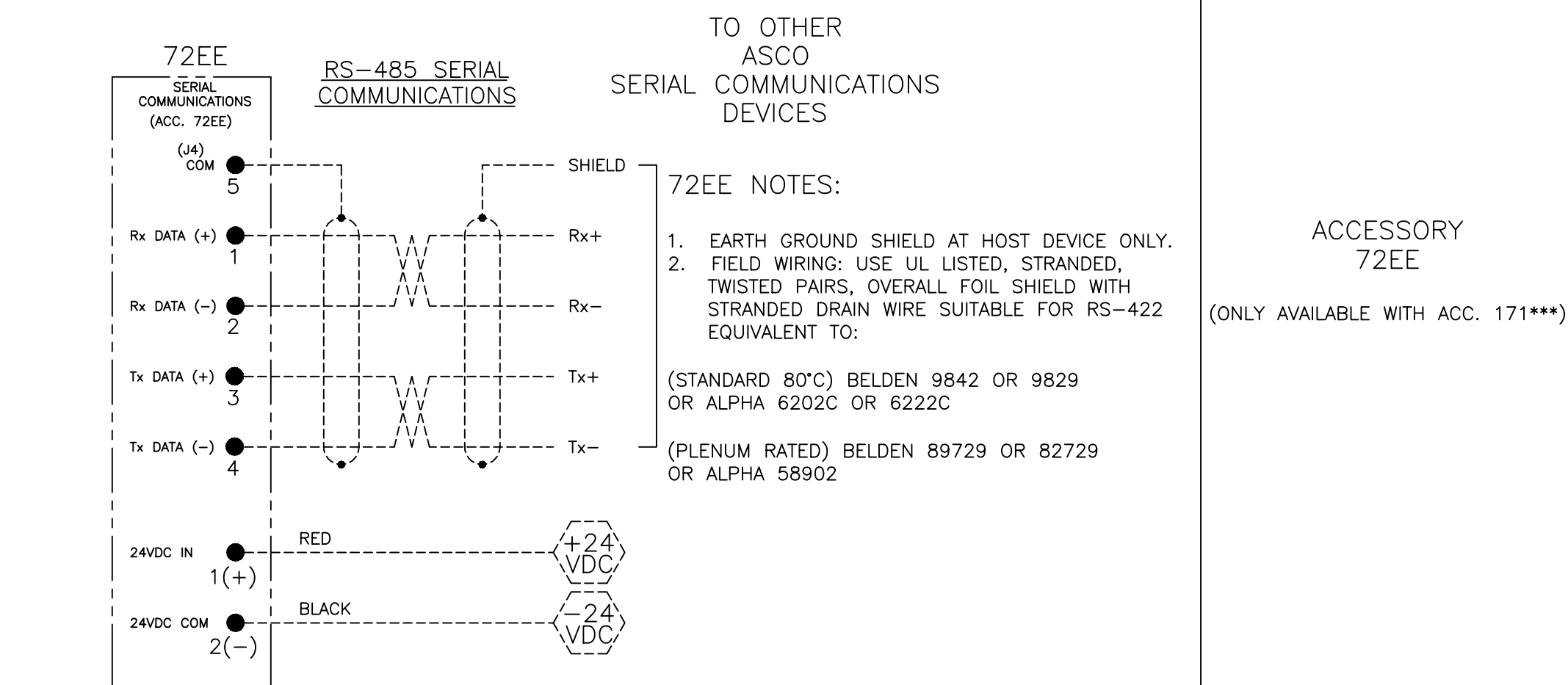
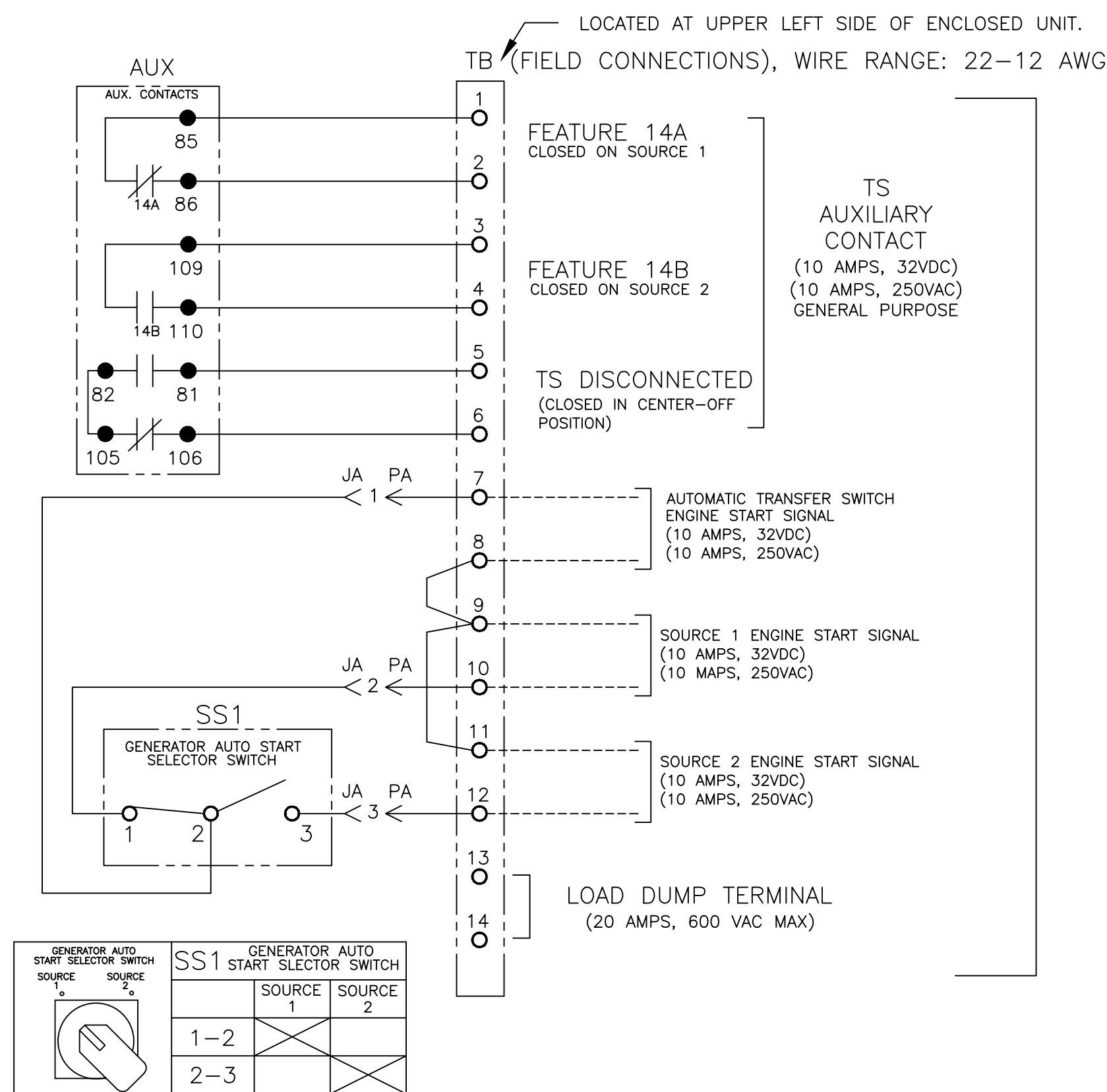


FIELD CONNECTIONS BASE

FIELD CONNECTIONS FOR OPTIONAL ACCESSORIES



ACCESSORY 171B

ACCESSORY 171E OR 171K

NOTE B:

ACCESSORIES

171BP INCLUDE 171B PLUS 171*P

171EP INCLUDE 171E PLUS 171*P

171KP INCLUDE 171K PLUS 171*P

ACCESSORY 171*P
REFER TO NOTE B

PROJECT NAME:				REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING				DIAGRAM				
300 SERIES (G3MGDQ) 3PH 1600-3000 AMPS				"G" FRAME, MANUALLY OPERATED TS				
DRAWN BY	NS	02/21/20	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055	ASSEM. REF. NO.		COMPUTER GENERATED DRAWING		
CHECKED	JPB	02/21/20	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.	1191611	
FINAL APPROVAL						DRAWING F REV.	ECN NO. 295568	SHEET 2 OF 9

D

C

B

A

MAIN POWER POLES

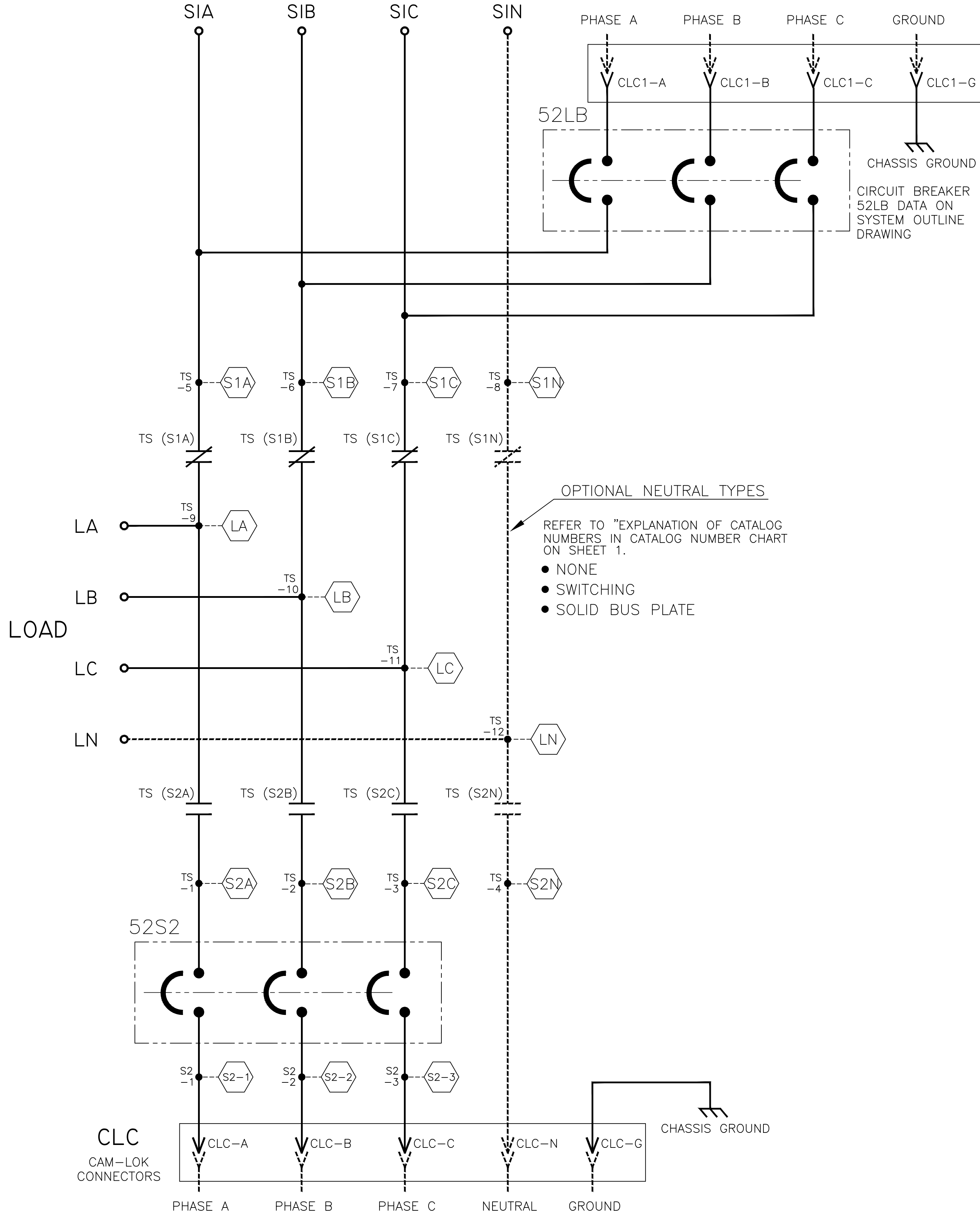
OPTIONAL ACCESSORIES

SOURCE 1

SOURCE 1

CAM-LOK OUTLET CONNECTORS

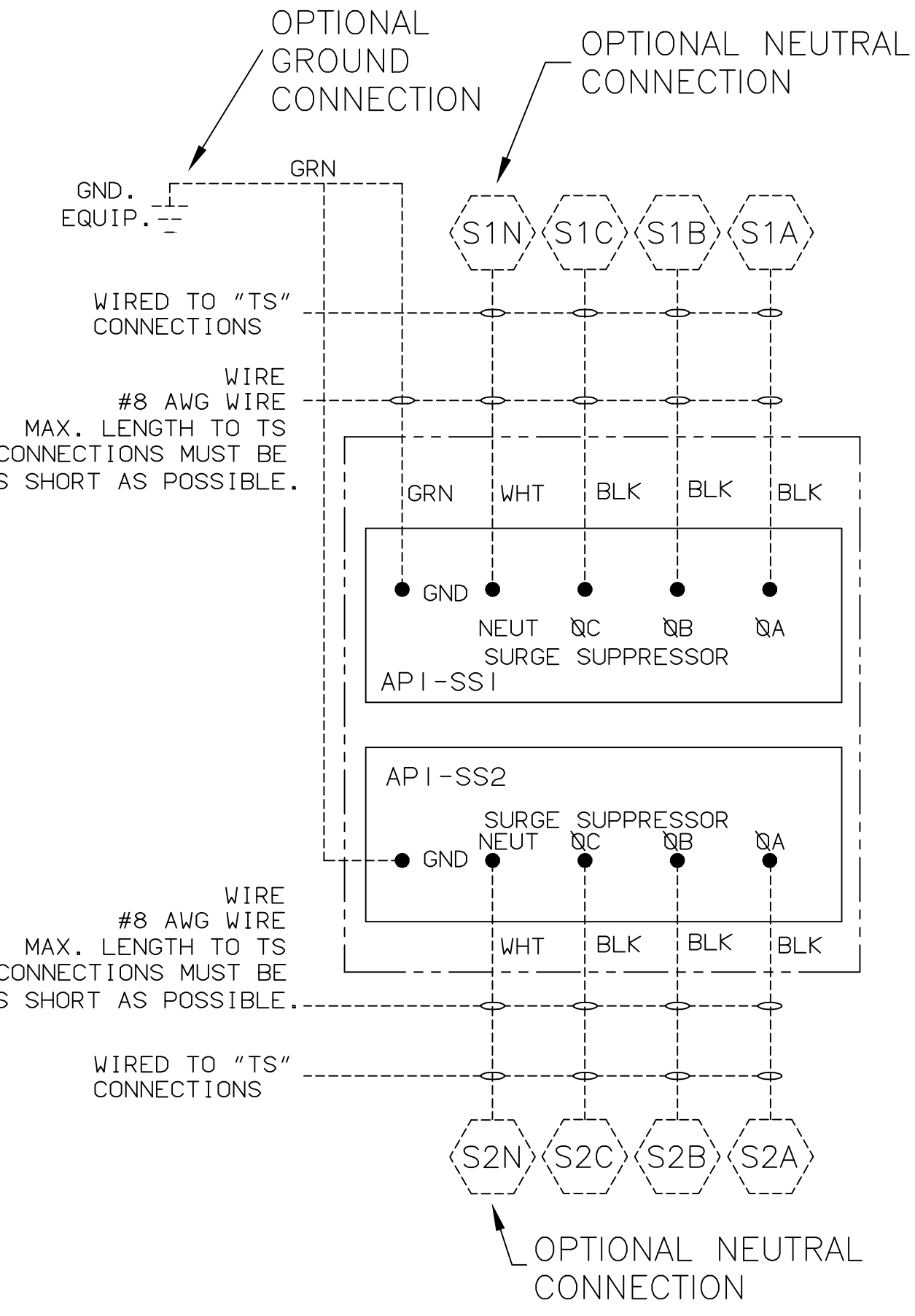
CLC1
CAM-LOK
CONNECTORS
(OUTLETS)



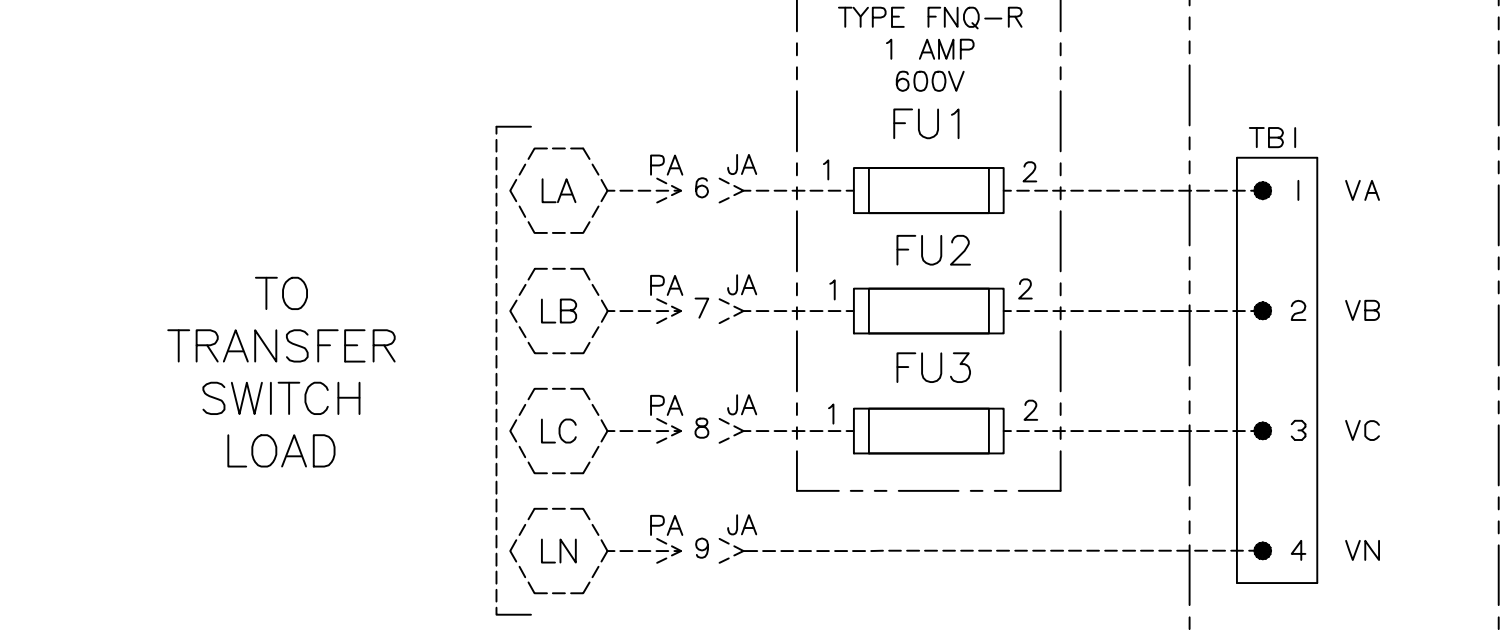
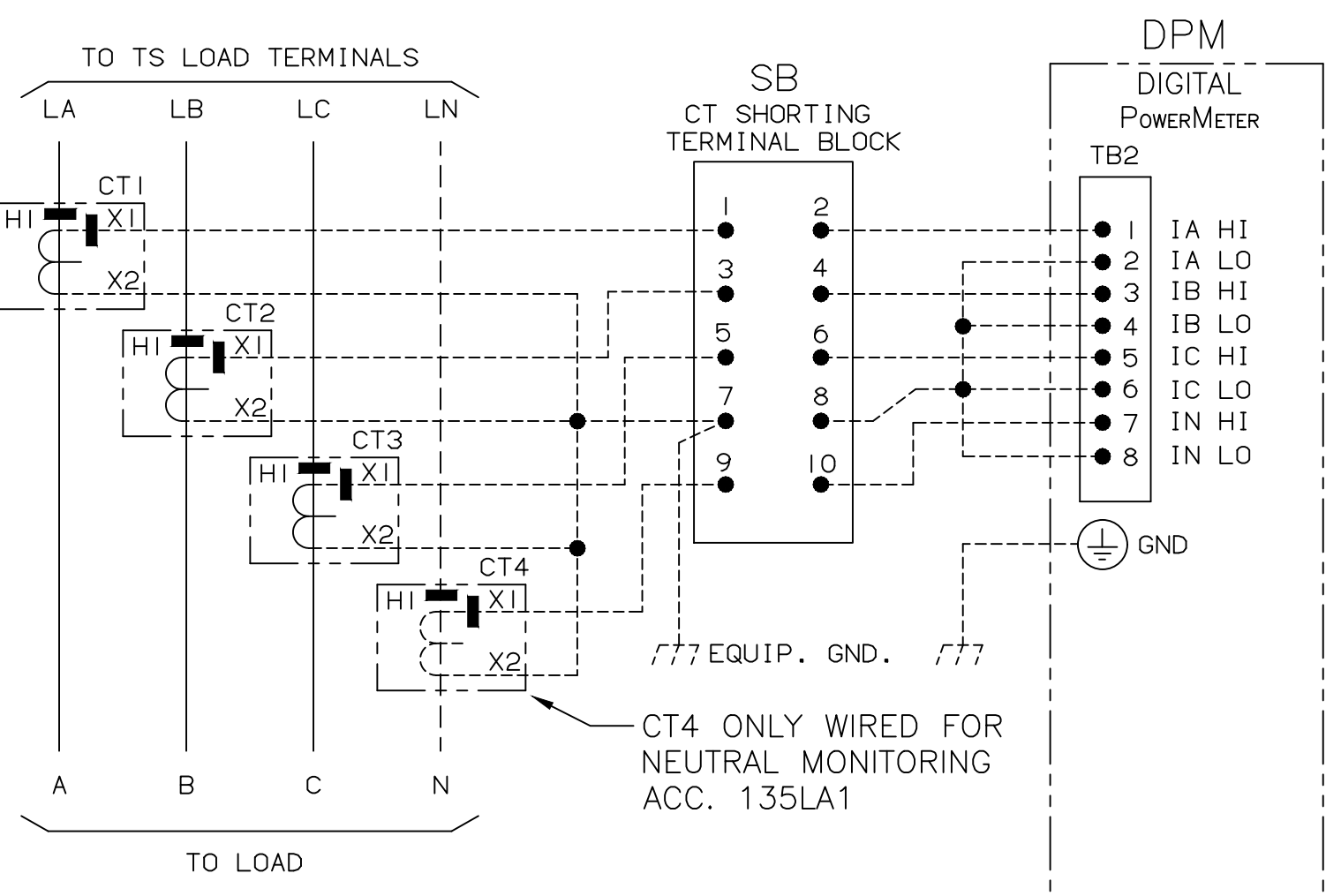
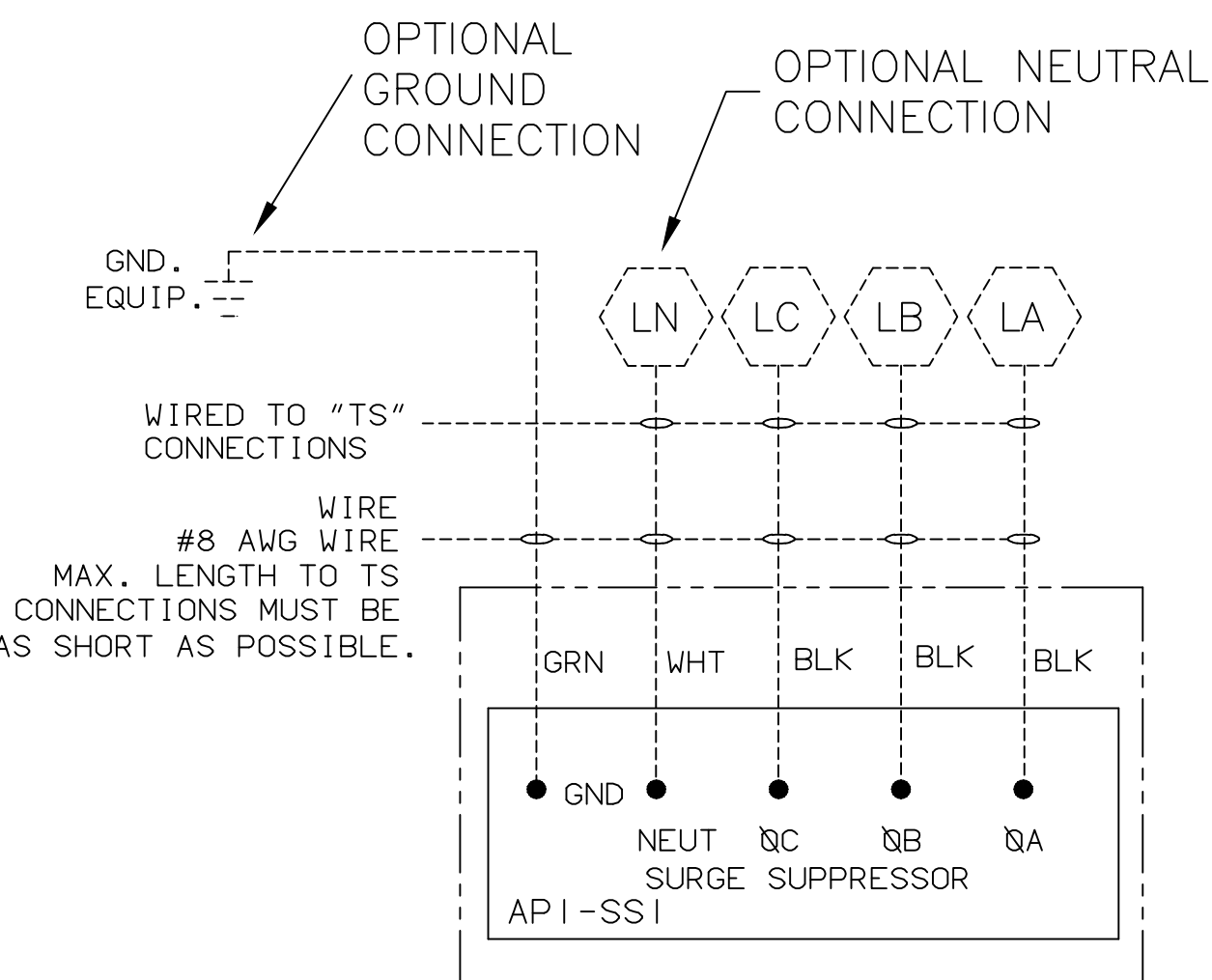
NOTE:
TS SHOWN CLOSED ON SOURCE 1.

73C* SOURCE1(SS1)&SOURCE2(SS2)

135L (LOAD)



73C** LOAD (SS1)



CURRENT TRANSFORMER RATIO TABLE	
SWITCH RATING	CT RATIO
1000A	1200:5A
1200A	1200:5A
1600A	2000:5A
2000A	2000:5A
2600A	3000:5A
3000A	3000:5A

OPTIONAL
24VDC SOURCE
PROVIDED WHEN
ACCESSORY 171***
IS AVAILABLE

ACCESSORY 135L NOTES:

THE DIGITAL POWER METER (DPM) IS CONNECTED AND FACTORY SET TO MEASURE THREE PHASE/4 WIRE SYSTEMS. WHEN USING THE TRANSFER SWITCH IN THREE PHASE/3 WIRE SYSTEMS, MODIFY THE SETTING OF THE "SYSTEM TYPE" TO "3φ-3W" UNDER THE "GENERAL" SETTINGS.

REFER TO OPERATOR'S MANUAL, ASCO 5210 DIGITAL POWER METER, PART NUMBER 381333-368.

PROJECT NAME:		REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING		DIAGRAM				
300 SERIES (G3MGDQ) 3PH 1600-3000 AMPS						
"G" FRAME, MANUALLY OPERATED TS						
DRAWN BY	BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-055		ASSEM. REF. NO.	
CHECKED	JPB	02/21/20	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		COMPUTER GENERATED DRAWING	
PROJECT APPROVAL			ASCO POWER TECHNOLOGIES, L.P.		SCALE: NONE SIZE: DS	
FINAL APPROVAL			FLORHAM PARK, NEW JERSEY 07932 U.S.A.		DWG. NO. 1191611	
					DRAWING F REV. NO. 295568 3 OF 9	

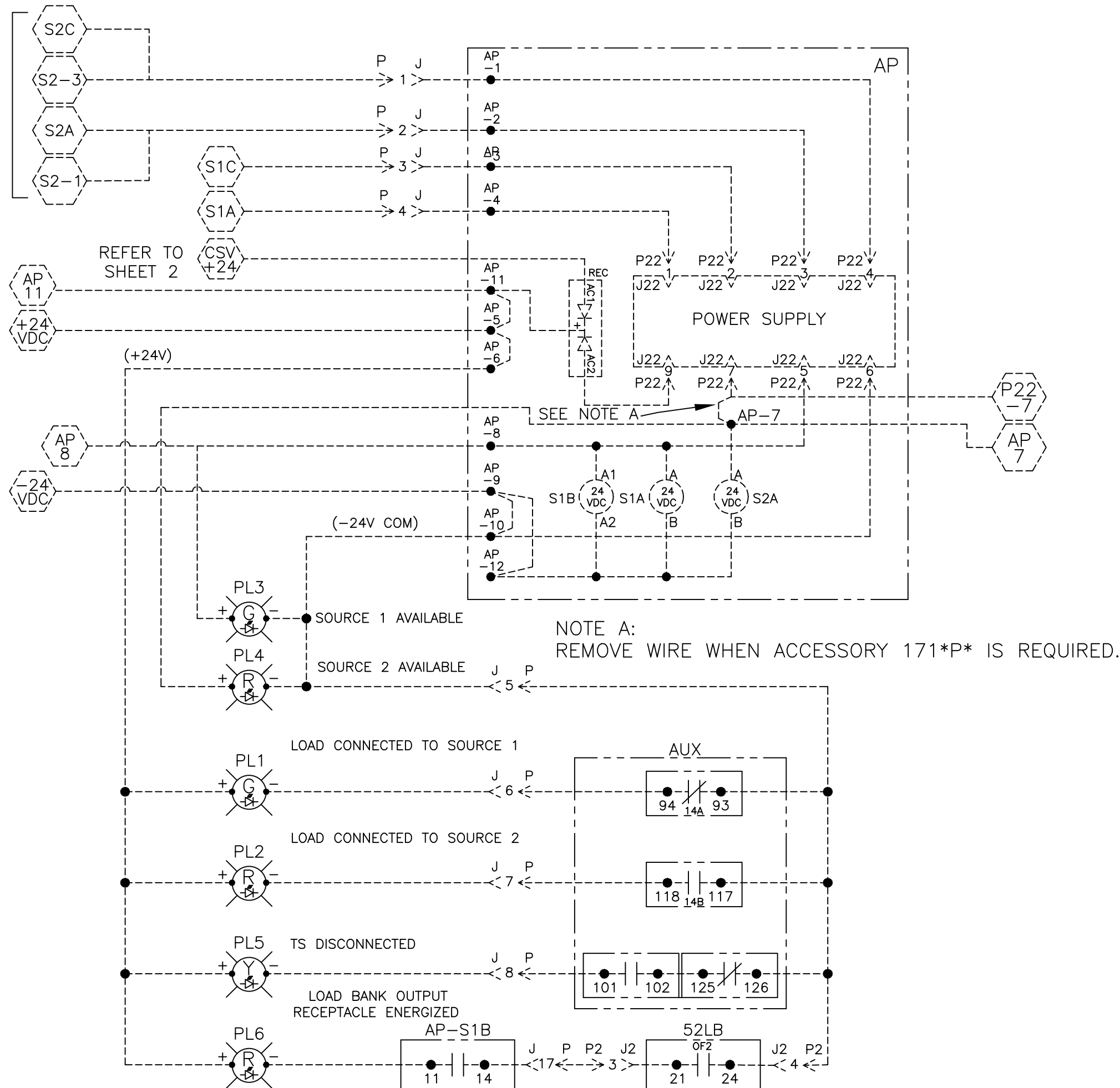
OPTIONAL ACCESSORIES CONTINUED

ACCESSORIES CIRCUIT MATRIX

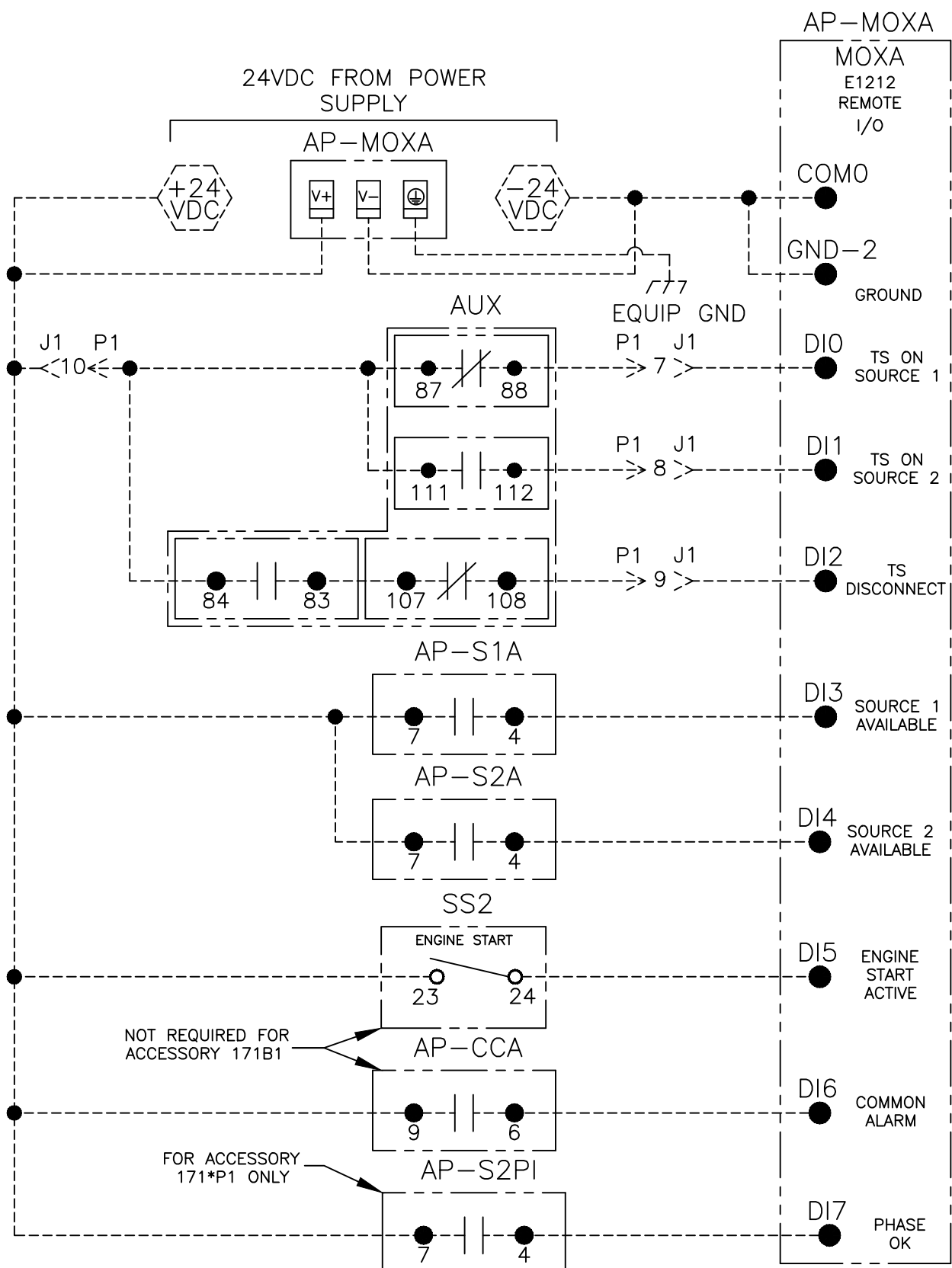
ACCESSORY	CIRCUITS
171B(*)	171B
171E(*)	171B + 171E
171K(*)	171B + 171K
171BP(*)	171B + 171*P
171EP(*)	171B + 171E + 171*P
171KP(*)	171B + 171K + 171*P
(*) = 1	+ 171**1

FOR ACC.171B/E/K/B1/E1/K1
CONNECT P-1 TO TS-3 AND
P-2 TO TS-1.

FOR ACC.171*P* CONNECT
P-1 TO S2-3 AND P-2 TO
S2-1.



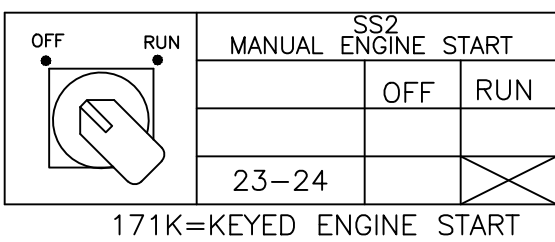
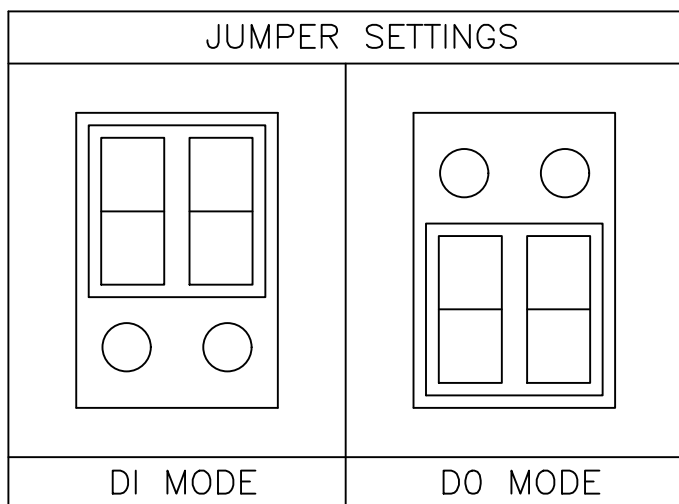
171**1 CIRCUIT



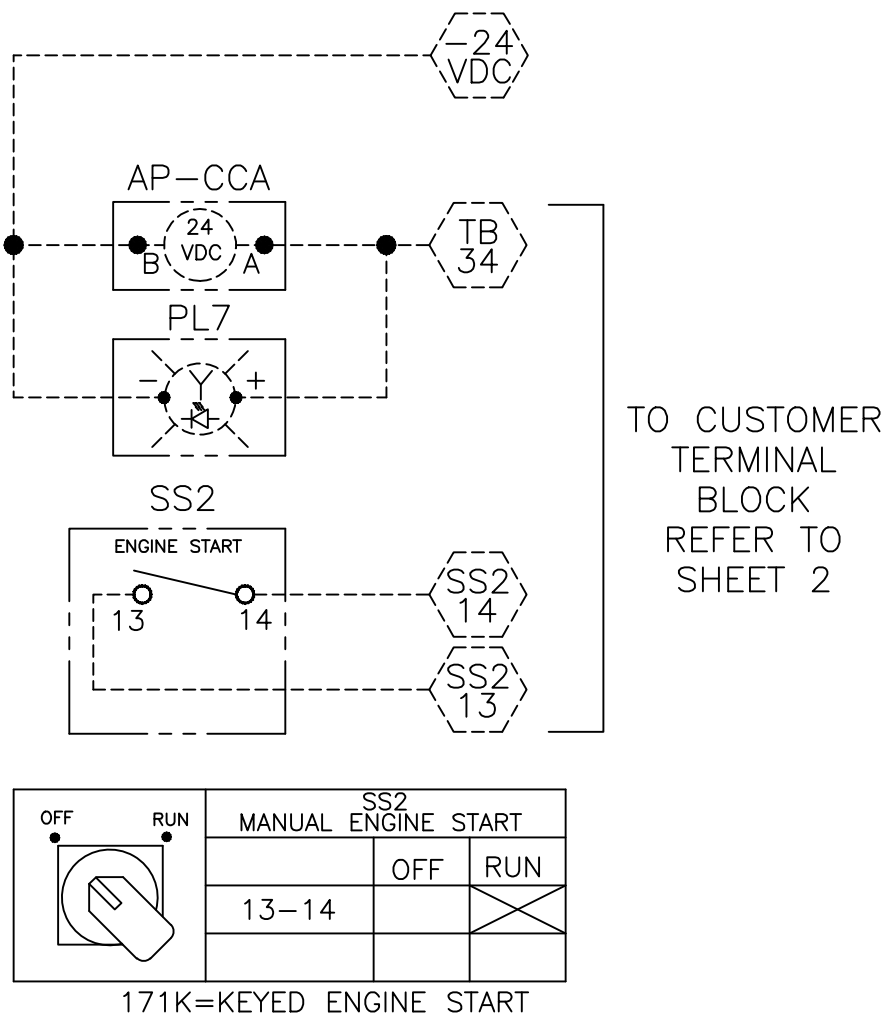
MOXA ioLogik E1212 WIRING NOTES:

DIO'S REQUIRE CONFIGURING THE JUMPERS
INSIDE THE ENCLOSURE. REMOVE SCREW
LOCATED ON THE BACK PANEL AND OPEN THE
COVER TO CONFIGURE THE JUMPERS.

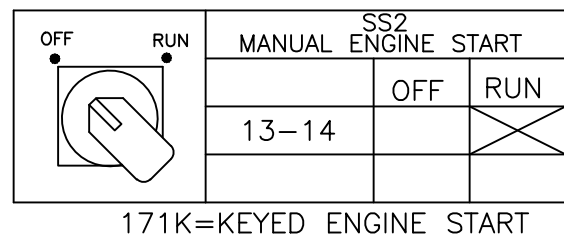
DEFAULT IS DO MODE



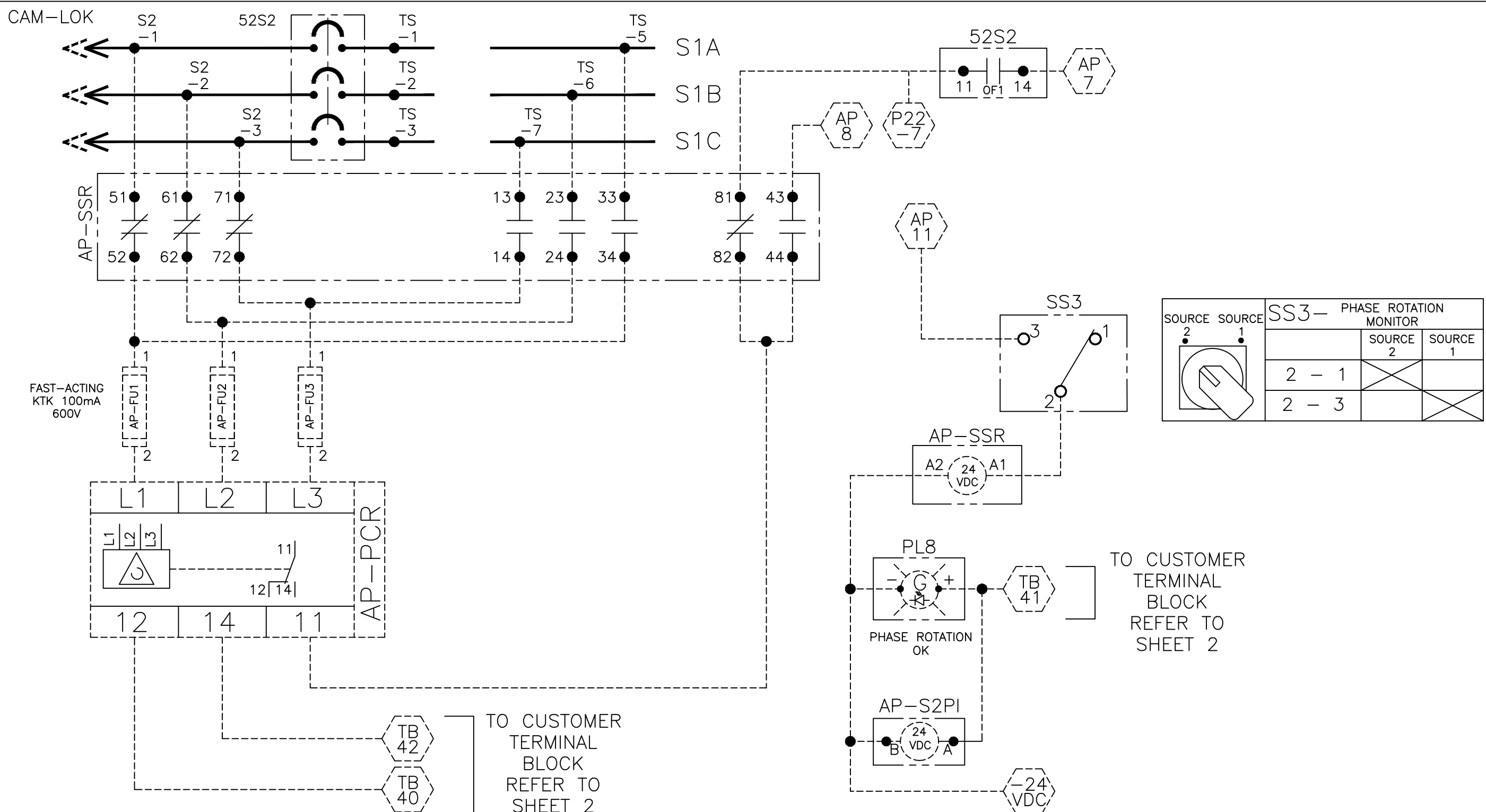
171E OR 171K CIRCUIT



TO CUSTOMER
TERMINAL
BLOCK
REFER TO
SHEET 2



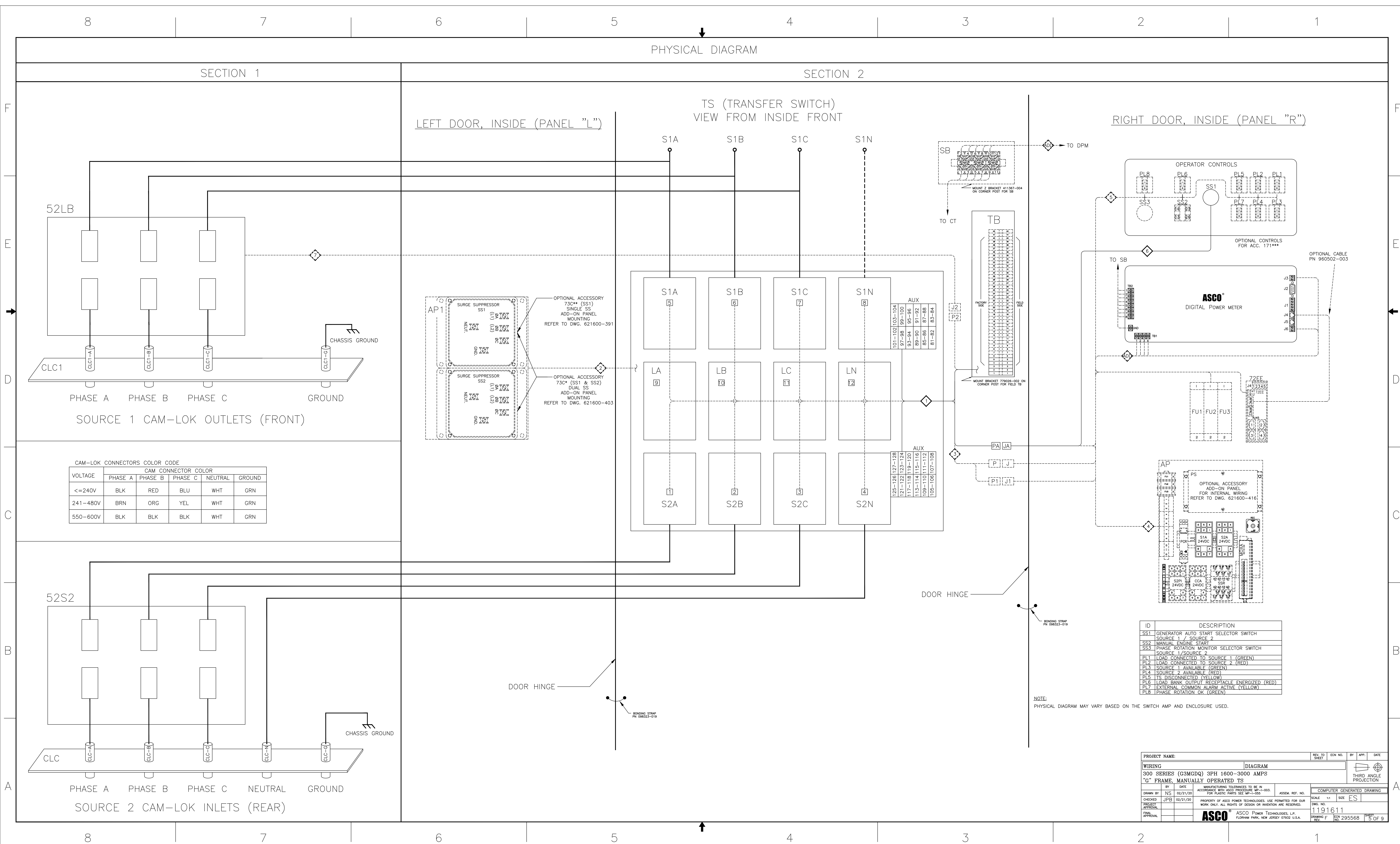
171*P CIRCUIT



TO CUSTOMER
TERMINAL
BLOCK
REFER TO
SHEET 2

TO CUSTOMER
TERMINAL
BLOCK
REFER TO
SHEET 2

PROJECT NAME:				REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING				DIAGRAM				
300 SERIES (G3MGDQ) 3PH 1600-3000 AMPS				"G" FRAME, MANUALLY OPERATED TS				
DRAWN BY	NS	DATE	02/21/20	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055		ASSEM. REF. NO.		COMPUTER GENERATED DRAWING
CHECKED	JPB	DATE	02/21/20	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. 1191611		REV.		ECN NO. 295568
FINAL APPROVAL				ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.		SHEET		4 OF 9



D

C

B

A

D

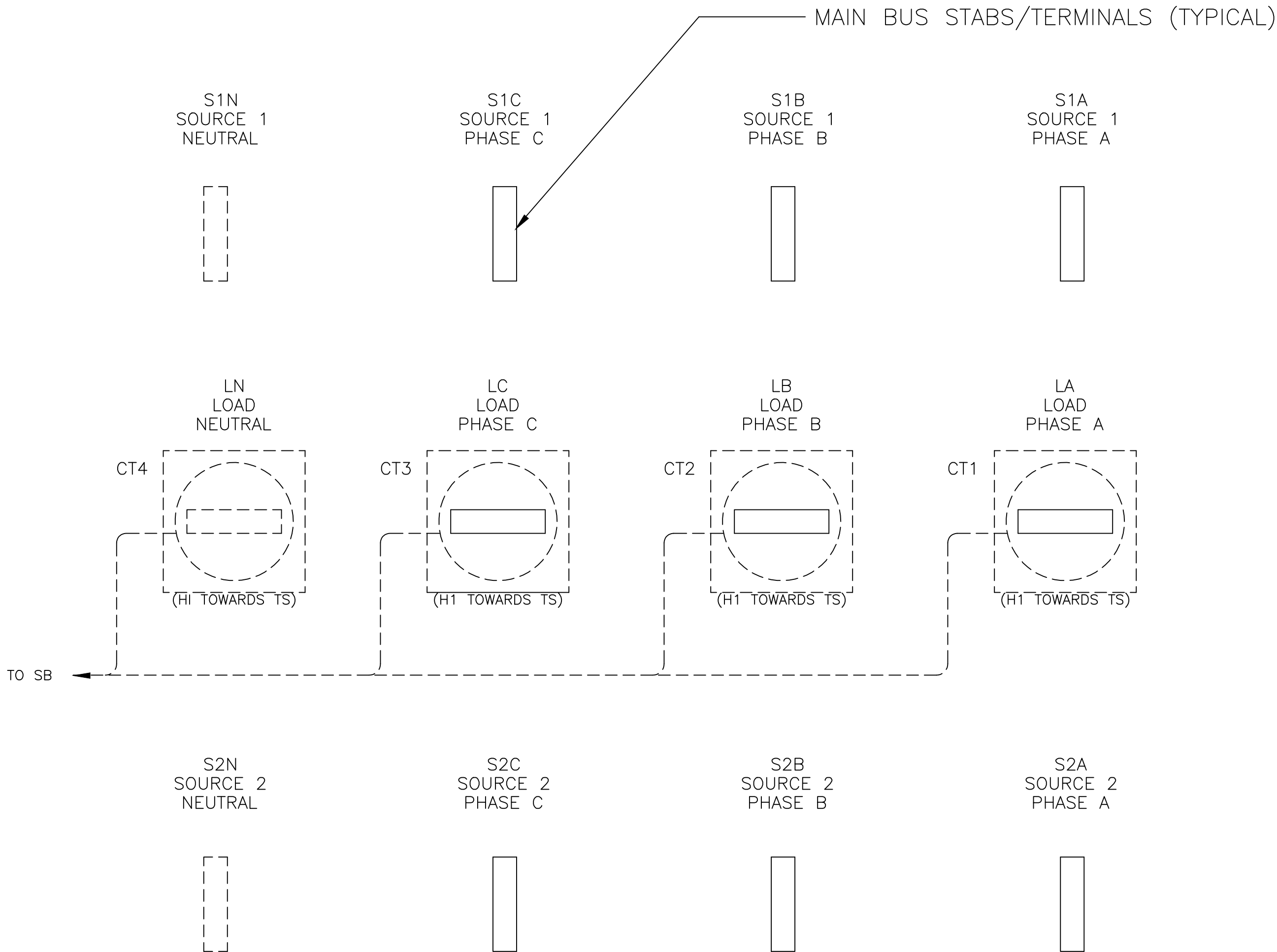
C

B

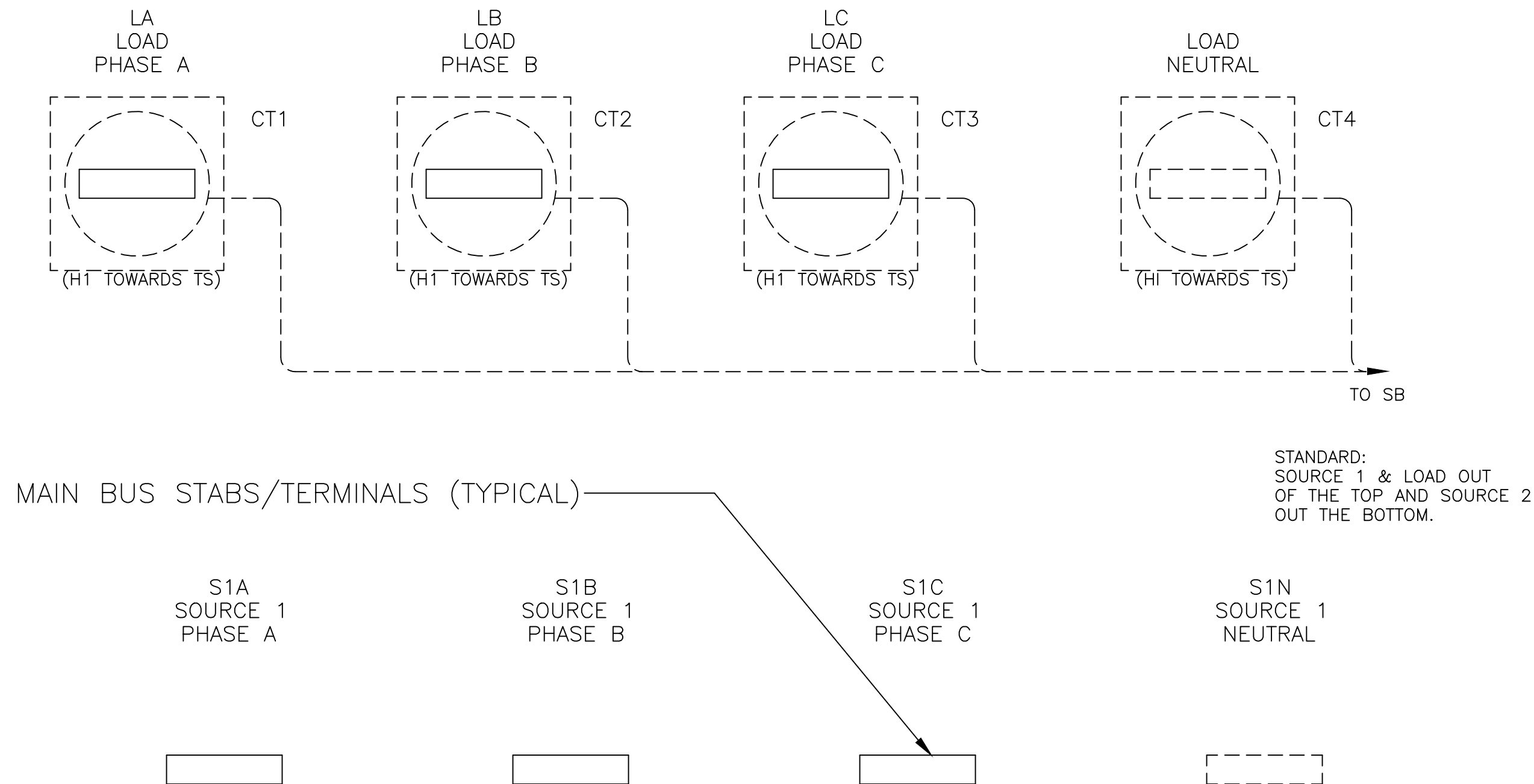
A

PHYSICAL DIAGRAM (CONTINUED)

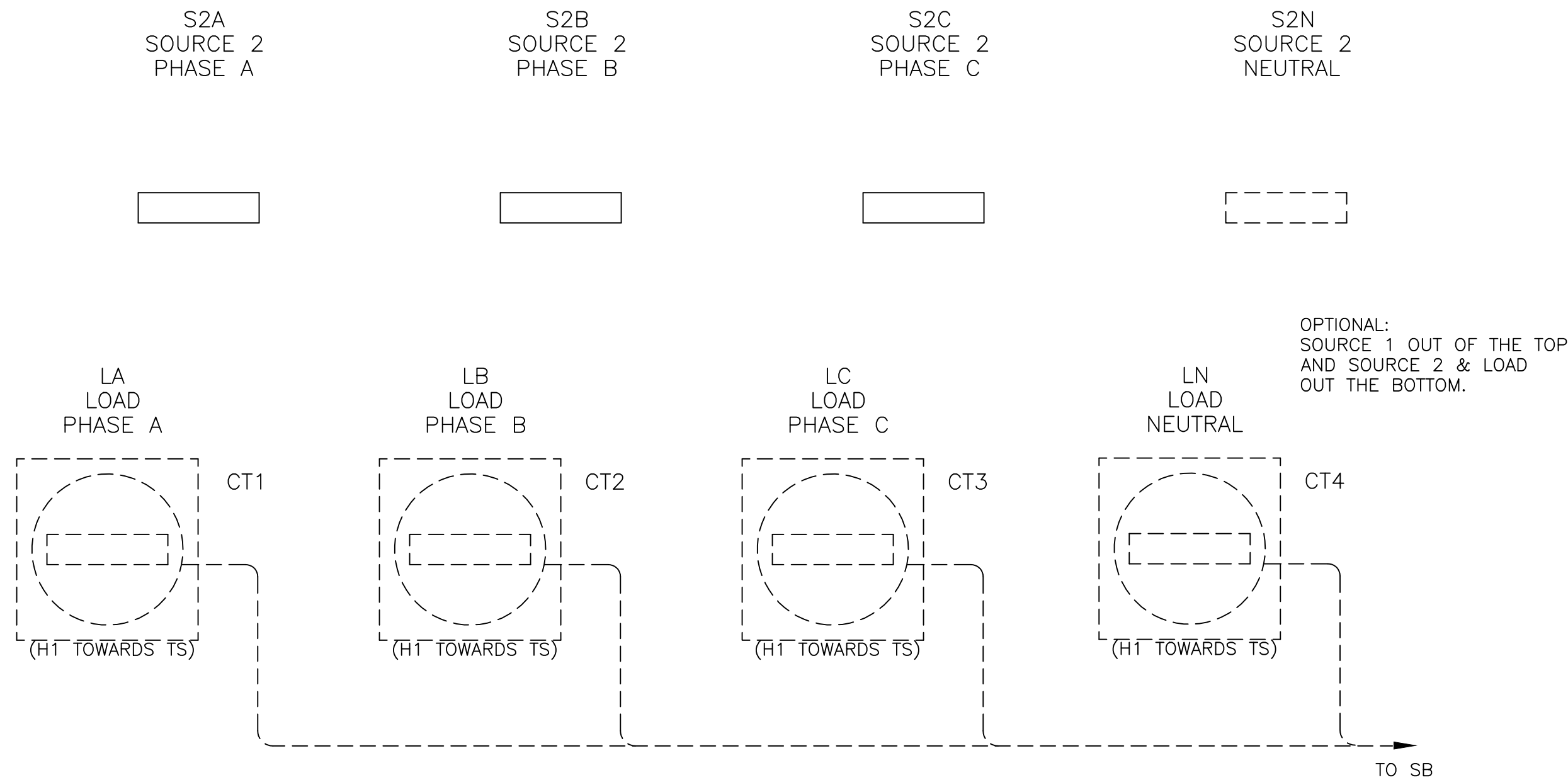
REAR CONNECTED SWITCH
1000 – 3000 AMP. TS REAR VIEW



FRONT CONNECTED SWITCH
1000 – 2000 AMP. TS TOP VIEW



BOTTOM VIEW



PROJECT NAME:				REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING				DIAGRAM				
300 SERIES (G3MGDQ) 3PH 1600-3000 AMPS								
"G" FRAME, MANUALLY OPERATED TS								
DRAWN BY NS				DATE 02/21/20		MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055		ASSEM. REF. NO.
CHECKED JPB				DATE 02/21/20		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. 1191611		
FINAL APPROVAL						ASCO® ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.		SHEET 6 OF 9

D

C

B

A

D

C

B

A

WIRE RUN LISTING

BASE

171B

171B1

171E OR 171K

171E1 OR 171K1

73C** (SS1)-LOAD

4 ← HARNESS LOCATOR			
WIRE No.	WIRING (TB,AUX,PA)	CLR	AWG
1	TB-1,AUX-85		16
2	TB-2,AUX-86		
3	TB-3,AUX-109		
4	TB-4,AUX-110		
5	TB-5,AUX-81		
6	TB-6,AUX-106		
7	AUX-82,AUX-105		
65	PA-1,TB-7		16
67	PA-2,TB-10		
68	PA-3,TB-12		
66	TB-8,TB-9 (FACTORY SIDE JUMPER)		
66	TB-9,TB-11 (FACTORY SIDE JUMPER)		

6 ← HARNESS LOCATOR			
WIRE No.	JACK JA	CLR	AWG
65	JA-1,SS1-2		16
67	JA-2,SS1-1		
68	JA-3,SS1-3		

4 ← HARNESS LOCATOR			
WIRE No.	JACK J	CLR	AWG
15	J-1,AP-1		16
16	J-2,AP-2		
17	J-3,AP-3		
18	J-4,AP-4		22
19	J-5,AP-10		
20	J-6,PL1-(-)		
21	J-7,PL2-(-)	BLK	22
22	J-8,PL5-(-)		
71	PL6-(-),AP-S1B-11		
23	J-9,AP-S1A-9		16
24	J-10,AP-S1A-6		
25	J-11,AP-S1A-3		
26	J-12,AP-S2A-9		22
27	J-13,AP-S2A-6		
28	J-14,AP-S2A-3		
500	J-15,AP-S2A-2		16
19	J-16,AP-12		
72	J-17,AP-S1B-14		

3 ← HARNESS LOCATOR			
WIRE No.	PLUG P	CLR	AWG
15	P-1,TS-3		16
16	P-2,TS-1		
17	P-3,TS-7		
18	P-4,TS-5		22
19	P-5,AUX-117		
20	P-6,AUX-94		
21	P-7,AUX-118		16
22	P-8,AUX-101		
23	P-9,TB-21		
24	P-10,TB-22		22
25	P-11,TB-23		
26	P-12,TB-24		
27	P-13,TB-25		16
28	P-14,TB-26		
500	P-15,TB-27		
19	P-16,TB-28		22
72	P-17,P2-3		
69	P2-1,TB-29		
70	P2-2,TB-30		16
19	P2-4,AUX-126		

5 ← HARNESS LOCATOR			
WIRE No.	WIRING (AP)	CLR	AWG
35	AP-6,PL1-(+)	RED	22
35	PL1-(+),PL2-(+)		
35	PL2-(+),PL5-(+)		
35	PL6-(+),PL5-(+)		
36	AP-7,PL4-(+)		
37	AP-8,PL3-(+)	BLK	16
19	AP-10,PL3-(-)		
19	PL3-(-),PL4-(-)		
501	AP-S1A-2,AP-S2A-8		16
500	AP-S1A-8,AP-REC-AC1		

1 ← HARNESS LOCATOR			
WIRE No.	WIRING (TB, AUX)	CLR	AWG
19	AUX-117,AUX-93		16
19	AUX-93,AUX-126		
47	AUX-102,AUX-125		16
8	TB-15,AUX-89		
9	TB-16,AUX-90		
10	TB-17,AUX-113		22
11	TB-18,AUX-114		
12	TB-19,AUX-128		
13	TB-20,AUX-104		16
14	AUX-127,AUX-103		

7 ← HARNESS LOCATOR			
WIRE No.	JACK J2	CLR	AWG
69	J2-1,52LB-OF1-11		16
70	J2-2,52LB-OF1-14		
72	J2-3,52LB-OF2-21		
19	J2-4,52LB-OF2-24		

4 ← HARNESS LOCATOR			
WIRE No.	JACK J,J1	CLR	AWG
15	J-1,AP-1		16
16	J-2,AP-2		
17	J-3,AP-3		
18	J-4,AP-4		22
19	J-5,AP-10		
20	J-6,PL1-(-)		
21	J-7,PL2-(-)	BLK	22
22	J-8,PL5-(-)		
71	PL6-(-),AP-S1B-11		
23	J-9,AP-S1A-9		16
24	J-10,AP-S1A-6		
25	J-11,AP-S1A-3		
26	J-12,AP-S2A-9		22
27	J-13,AP-S2A-6		
28	J-14,AP-S2A-3		
500	J-15,AP-S2A-2		16
19	J-16,AP-12		
72	J-17,AP-S1B-14		

3 ← HARNESS LOCATOR			
WIRE No.	PLUG P,P1	CLR	AWG
15	P-1,TS-3		16
16	P-2,TS-1		
17	P-3,TS-7		
18	P-4,TS-5		22
19	P-5,AUX-117		
20	P-6,AUX-94		
21	P-7,AUX-118		16
22	P-8,AUX-101		
23	P-9,TB-21		
24	P-10,TB-22		22
25	P-11,TB-23		
26	P-12,TB-24		
27	P-13,TB-25		16
28	P-14,TB-26		
500	P-15,TB-27		
19	P-16,TB-28		22
72	P-17,P2-3		
69	P2-1,TB-29		
70	P2-2,TB-30		16
19	P2-4,AUX-126		

1 ← HARNESS LOCATOR			
WIRE No.	WIRING (TB, AUX)	CLR	AWG
19	AUX-117,AUX-93		16
19	AUX-93,AUX-126		
47	AUX-102,AUX-125		16
8	TB-15,AUX-89		
9	TB-16,AUX-90		
10	TB-17,AUX-113		22
11	TB-18,AUX-114		
12	TB-19,AUX-128		
13	TB-20,AUX-104		16
14	AUX-127,AUX-103		

5 ← HARNESS LOCATOR			
WIRE No.	WIRING (AP)	CLR	AWG
35	AP-S1A-7,AP-S2A-7		16
35	AP-S2A-7,AP-MOXA-(V+)		
35	AP-MOXA-(V+),AP-5		
48	AP-S1A-4,AP-MOXA-DI3		22
49	AP-S2A-4,AP-MOXA-DI4		
100	AP-MOXA-GND,EQUIP. GND		
19	AP-MOXA-(V-),AP-9		BLK
19	AP-MOXA-(V-),AP-MOXA-COMO		
19	AP-MOXA-COMO,AP-MOXA-GND-2		
35	AP-6,PL1-(+)	RED	
35	PL1-(+),PL2-(+)		
35	PL2-(+),PL5-(+)		
35	PL6-(+),PL5-(+)		
36	AP-7,PL4-(+)		
37	AP-8,PL3-(+)	BLK	
19	AP-10,PL3-(-)		
19	PL3-(-),PL4-(-)		
501	AP-S1A-2,AP-S2A-8		16
500	AP-S1A-8,AP-REC-AC1		

7 ← HARNESS LOCATOR			
WIRE No.	JACK J2	CLR	AWG
69	J2-1,52LB-OF1-11		16
70	J2-2,52LB-OF1-14		
72	J2-3,52LB-OF2-21		
19	J2-4,52LB-OF2-24		

4 ← HARNESS LOCATOR			
WIRE No.	JACK J,J1	CLR	AWG
15	J-1,AP-1		16
16	J-2,AP-2		
17	J-3,AP-3		
18	J-4,AP-4		22
19	J-5,AP-10		
20	J-6,PL1-(-)		
21	J-7,PL2-(-)	BLK	22
22	J-8,PL5-(-)		
71	PL6-(-),AP-S1B-11		
23	J-9,AP-S1A-9		16
24	J-10,AP-S1A-6		
25	J-11,AP-S1A-3		
26	J-12,AP-S2A-9		22
27	J-13,AP-S2A-6		
28	J-14,AP-S2A-3		
500	J-15,AP-S2A-2		16
19	J-16,AP-12		
72	J-17,AP-S1B-14		

3 ← HARNESS LOCATOR			
WIRE No.	PLUG P,P1	CLR	AWG
15	P-1,TS-3		16
16	P-2,TS-1		
17	P-3,TS-7		
18	P-4,TS-5		22
19	P-5,AUX-117		
20	P-6,AUX-94		
21	P-7,AUX-118		16
22	P-8,AUX-101		
23	P-9,TB-21		
24	P-10,TB-22		22
25	P-11,TB-23		
26	P-12,TB-24		
27	P-13,TB-25		16
28	P-14,TB-26		
500	P-15,TB-27		
19	P-16,TB-28		22
72	P-17,P2-3		
69	P2-1,TB-29		
70	P2-2,TB-30		16
19	P2-4,AUX-126		

1 ← HARNESS LOCATOR			
WIRE No.	WIRING (TB, AUX)	CLR	AWG
19	AUX-117,AUX-93		16
19	AUX-93,AUX-126		
47	AUX-102,AUX-125		16
8	TB-15,AUX-89		
9	TB-16,AUX-90		
10	TB-17,AUX-113		22
11	TB-18,AUX-114		
12	TB-19,AUX-128		
13	TB-20,AUX-104		16
14	AUX-127,AUX-103		

5 ← HARNESS LOCATOR			
WIRE No.	WIRING (AP)	CLR	AWG
35	AP-6,PL1-(+)	RED	22
35	PL1-(+),PL2-(+)		
35	PL2-(+),PL5-(+)		
35	PL6-(+),PL5-(+)		
36	AP-7,PL4-(+)		
37	AP-8,PL3-(+)	BLK	16
19	AP-10,PL3-(-)		
19	PL3-(-),PL4-(-)		
41	AP-CCA-A,PL7-(+)	RED	16
19	AP-CCA-B,PL7-(-)		
19	AP-CCA-B,AP-9		
501	AP-S1A-2,AP-S2A-8		16
500	AP-S1A-8,AP-REC-AC1		

7 ← HARNESS LOCATOR			
WIRE No.	JACK J2	CLR	AWG
69	J2-1,52LB-OF1-11		16
70	J2-2,52LB-OF1-14		
72	J2-3,52LB-OF2-21		
19	J2-4,52LB-OF2-24		

4 ← HARNESS LOCATOR			
WIRE No.	JACK J,J1	CLR	AWG
15	J-1,AP-1		16
16	J-2,AP-2		
17	J-3,AP-3		
18	J-4,AP-4		22
19	J-5,AP-10		
20	J-6,PL1-(-)		
21	J-7,PL2-(-)	BLK	22
22	J-8,PL5-(-)		
71	PL6-(-),AP-S1B-11		
23	J-9,AP-S1A-9		16
24	J-10,AP-S1A-6		
25	J-11,AP-S1A-3		
26	J-12,AP-S2A-9		22
27	J-13,AP-S2A-6		
28	J-14,AP-S2A-3		
500	J-15,AP-S2A-2		16
19	J-16,AP-12		
72	J-17,AP-S1B-14		

3 ← HARNESS LOCATOR			
WIRE No.	PLUG P,P1	CLR	AWG
15	P-1,TS-3		16
16	P-2,TS-1		
17	P-3,TS-7		
18	P-4,TS-5		
19	P-5,AUX-117		
20	P-6,AUX-94		
21	P-7,AUX-118		
22	P-8,AUX-101		
23	P-9,TB-21		
24	P-10,TB-22		
25	P-11,TB-23		
26	P-12,TB-24		
27	P-13,TB-25		
28	P-14,TB-26		
500	P-15,TB-27		
19	P-16,TB-28		
72	P-17,P2-3		
69	P2-1,TB-29		
70	P2-2,TB-30		
19	P2-4,AUX-126		
38	P1-1,TB-31		
39	P1-2,TB-32		
35	P1-3,TB-33		
41	P1-4,TB-34		
42	P1-5,TB-35		
43	P1-6,TB-36		
44	P1-7,AUX-88		
45	P1-8,AUX-112		
46	P1-9,AUX-108		
35	P1-10,AUX-111		

D

C

B

A

WIRE RUN LISTING

171BP

171BP1

171EP OR 171KP

171EP1 OR 171KP1

4 ← HARNESS LOCATOR			
WIRE No.	JACK J,J1	CLR	AWG
600	J-1,AP-1		16
601	J-2,AP-2		
17	J-3,AP-3		
18	J-4,AP-4		
19	J-5,AP-10		
20	J-6,PL1-(-)		
21	J-7,PL2-(-)		
22	J-8,PL5-(-)		
71	PL6-(-),AP-S1B-11	BLK	22
23	J-9,AP-S1A-9		
24	J-10,AP-S1A-6		
25	J-11,AP-S1A-3		
26	J-12,AP-S2A-9		
27	J-13,AP-S2A-6		
28	J-14,AP-S2A-3		
500	J-15,AP-S2A-2		
19	J-16,AP-12		
72	J-17,AP-S1B-14		
52	J1-11,AP-S2PI-9		
53	J1-12,AP-S2PI-6		
54	J1-13,AP-S2PI-3		
55	J1-14,AP-PCR-12		
56	J1-15,AP-S2PI-A		
57	J1-16,AP-PCR-14		

3 ← HARNESS LOCATOR			
WIRE No.	PLUG P,P1	CLR	AWG
600	P-1,S2-3		16
601	P-2,S2-1		
17	P-3,TS-7		
18	P-4,TS-5		
19	P-5,AUX-117		
20	P-6,AUX-94		
21	P-7,AUX-118		
22	P-8,AUX-101		
23	P-9,TB-21		
24	P-10,TB-22		
25	P-11,TB-23		
26	P-12,TB-24		
27	P-13,TB-25		
28	P-14,TB-26		
500	P-15,TB-27		
19	P-16,TB-28		
72	P-17,P2-3		
69	P2-1,TB-29		
70	P2-2,TB-30		
19	P2-4,AUX-126		
52	P1-11,TB-37		
53	P1-12,TB-38		
54	P1-13,TB-39		
55	P1-14,TB-40		
56	P1-15,TB-41		
57	P1-16,TB-42		

1 ← HARNESS LOCATOR			
WIRE No.	WIRING (TB, AUX)	CLR	AWG
19	AUX-117,AUX-93		16
19	AUX-93,AUX-126		
47	AUX-102,AUX-125		
8	TB-15,AUX-89		
9	TB-16,AUX-90		
10	TB-17,AUX-113		
11	TB-18,AUX-114		
12	TB-19,AUX-128		
13	TB-20,AUX-104		
14	AUX-127,AUX-103		
59	TB-41,TB-42 (FIELD SIDE JUMPER)		

5 ← HARNESS LOCATOR			
WIRE No.	WIRING (AP)	CLR	AWG
35	AP-6,PL1-(+)		22
35	PL1-(+),PL2-(+)		
35	PL2-(+),PL5-(+)	RED	
35	PL6-(+),PL5-(+)		
36	AP-7,PL4-(+)		
37	AP-8,PL3-(+)		
19	AP-10,PL3-(-)		
19	PL3-(-),PL4-(-)	BLK	
56	AP-S2PI-A,PL8-(+)	RED	
19	AP-S2PI-B,PL8-(-)	BLK	
19	AP-SSR-A2,AP-S2PI-B		16

200	AP-FU1-1,AP-SSR-52		
201	AP-FU3-1,AP-SSR-72		
202	AP-FU2-1,AP-SSR-62		
200	AP-SSR-52,AP-SSR-34		
201	AP-SSR-72,AP-SSR-14		
202	AP-SSR-62,AP-SSR-24		
62	AP-PCR-L1,AP-FU1-2		
651	AP-PCR-L2,AP-FU2-2		
63	AP-PCR-L3,AP-FU3-2		
601	AP-SSR-51,S2-1		
205	AP-SSR-61,S2-2		
600	AP-SSR-71,S2-3		
17	AP-SSR-13,TS-7		
206	AP-SSR-23,TS-6		
18	AP-SSR-33,TS-5		
207	AP-SSR-82,AP-SSR-44		
207	AP-SSR-82,AP-PCR-11		
37	AP-SSR-43,AP-8		
35	AP-11,SS3-3		
208	AP-SSR-A1,SS3-2		
501	AP-S1A-2,AP-S2A-8		
500	AP-S1A-8,AP-REC-AC1		
36	AP-7,52S2-OF1-14		
650	AP-SSR-81,52S2-OF1-11		

4 ← HARNESS LOCATOR			
WIRE No.	JACK J,J1	CLR	AWG
600	J-1,AP-1		16
601	J-2,AP-2		
17	J-3,AP-3		
18	J-4,AP-4		
19	J-5,AP-10		
20	J-6,PL1-(-)		
21	J-7,PL2-(-)		
22	J-8,PL5-(-)		
71	PL6-(-),AP-S1B-11	BLK	22
23	J-9,AP-S1A-9		
24	J-10,AP-S1A-6		
25	J-11,AP-S1A-3		
26	J-12,AP-S2A-9		
27	J-13,AP-S2A-6		
28	J-14,AP-S2A-3		
500	J-15,AP-S2A-2		
19	J-16,AP-12		
72	J-17,AP-S1B-14		
44	J1-7,AP-MOXA-DIO		
45	J1-8,AP-MOXA-DI1		
46	J1-9,AP-MOXA-DI2		
35	J1-10,AP-S1A-7		
36	AP-7,PL4-(+)		
53	J1-12,AP-S2PI-6		
54	J1-13,AP-S2PI-3		
56	J1-14,AP-PCR-12		
56	J1-15,AP-S2PI-A		
57	J1-16,AP-PCR-14		

3 ← HARNESS LOCATOR			
WIRE No.	PLUG P,P1	CLR	AWG
600	P-1,S2-3		16
601	P-2,S2-1		
17	P-3,TS-7		
18	P-4,TS-5		
19	P-5,AUX-117		
20	P-6,AUX-94		
21	P-7,AUX-118		
22	P-8,AUX-101		
23	P-9,TB-21		
24	P-10,TB-22		
25	P-11,TB-23		
26	P-12,TB-24		
27	P-13,TB-25		
28	P-14,TB-26		
500	P-15,TB-27		
19	P-16,TB-28		
72	P-17,P2-3		
69	P2-1,TB-29		
70	P2-2,TB-30		
19	P2-4,AUX-126		
44	P1-7,AUX-88		
45	P1-8,AUX-112		
46	P1-9,AUX-108		
35	P1-10,AUX-111		
52	P1-11,TB-37		
53	P1-12,TB-38		
54	P1-13,TB-39		
55	P1-14,TB-40		
56	P1-15,TB-41		
57	P1-16,TB-42		

7 ← HARNESS LOCATOR			
WIRE No.	JACK J2	CLR	AWG
69	J2-1,52LB-OF1-11		16
70	J2-2,52LB-OF1-14		
72	J2-3,52LB-OF2-21		
19	J2-4,52LB-OF2-24		

AP ← HARNESS LOCATOR			
WIRE No.	WIRING (AP 621600-416)	CLR	AWG
6	REMOVE CONNECTION FROM AP		16
6	AP-7,P22-7		
650	ADD CONNECTION TO AP		
650	P22-7,AP-SSR-81		

1 ← HARNESS LOCATOR			
WIRE No.	WIRING (TB, AUX)	CLR	AWG
19	AUX-117,AUX-93		16
19	AUX-93,AUX-126		
47	AUX-102,AUX-125		
35	AUX-111,AUX-87		
35	AUX-87,AUX-84		
64	AUX-83,AUX-107		
8	TB-15,AUX-89		
9	TB-16,AUX-90		
10	TB-17,AUX-113		
11	TB-18,AUX-114		
12	TB-19,AUX-128		
13	TB-20,AUX-104		
14	AUX-127,AUX-103		
59	TB-41,TB-42 (FIELD SIDE JUMPER)		

5 ← HARNESS LOCATOR			
WIRE No.	WIRING (AP)	CLR	AWG
35	AP-6,PL1-(+)		22
35	PL1-(+),PL2-(+)		
35	PL2-(+),PL5-(+)	RED	
35	PL6-(+),PL5-(+)		
36	AP-7,PL4-(+)		
37	AP-8,PL3-(+)		
19	AP-10,PL3-(-)		
19	PL3-(-),PL4-(-)	BLK	
56	AP-S2PI-A,PL8-(+)	RED	
19	AP-S2PI-B,PL8-(-)	BLK	
35	AP-S1A-7,AP-S2A-7		16
35	AP-S2A-7,AP-MOXA-(V+)		
35	AP-MOXA-(V+),AP-5		
48	AP-S1A-4,AP-MOXA-DI3		
49	AP-S2A-4,AP-MOXA-DI4		
100	AP-MOXA-GND,EQUIP. GND		
19	AP-MOXA-(V-),AP-9		
19	AP-MOXA-(V-),AP-MOXA-COMO	BLK	22
19	AP-MOXA-COMO,AP-MOXA-GND-2		
35	AP-11,AP-S2PI-7		16
60	AP-S2PI-4,AP-MOXA-DI7		
19	AP-12,AP-SSR-A2		
19	AP-SSR-A2,AP-S2PI-B		

200	AP-FU1-1,AP-SSR-52		
201	AP-FU3-1,AP-SSR-72		
202	AP-FU2-1,AP-SSR-62		
200	AP-SSR-52,AP-SSR-34		
201	AP-SSR-72,AP-SSR-14		
202	AP-SSR-62,AP-SSR-24		
62	AP-PCR-L1,AP-FU1-2		
651	AP-PCR-L2,AP-FU2-2		
63	AP-PCR-L3,AP-FU3-2		
601	AP-SSR-51,S2-1		
206	AP-SSR-61,S2-2		
600	AP-SSR-71,S2-3		
17	AP-SSR-13,TS-7		
206	AP-SSR-23,TS-6		
18	AP-SSR-33,TS-5		
207	AP-SSR-82,AP-SSR-44		
207	AP-SSR-82,AP-PCR-11		
37	AP-SSR-43,AP-8		
35	AP-S2PI-7,SS3-3		
208	AP-SSR-A1,SS3-2		
501	AP-S1A-2,AP-S2A-8		
500	AP-S1A-8,AP-REC-AC1		
36	AP-7,52S2-OF1-14		
650	AP-SSR-81,52S2-OF1-11		

7 ← HARNESS LOCATOR			
WIRE No.	JACK J2	CLR	AWG
69	J2-1,52LB-OF1-11		16
70	J2-2,52LB-OF1-14		
72	J2-3,52LB-OF2-21		
19	J2-4,52LB-OF2-24		

AP ← HARNESS LOCATOR			
WIRE No.	WIRING (AP 621600-416)	CLR	AWG
6	REMOVE CONNECTION FROM AP		16
6	AP-7,P22-7		
650	ADD CONNECTION TO AP		
650	P22-7,AP-SSR-81		

4 ← HARNESS LOCATOR			
WIRE No.	JACK J,J1	CLR	AWG
600	J-1,AP-1		16
601	J-2,AP-2		
17	J-3,AP-3		
18	J-4,AP-4		
19	J-5,AP-10		
20	J-6,PL1-(-)		
21	J-7,PL2-(-)		
22	J-8,PL5-(-)	BLK	22
71	PL6-(-),AP-S1B-11		
23	J-9,AP-S1A-9		
24	J-10,AP-S1A-6		
25	J-11,AP-S1A-3		
26	J-12,AP-S2A-9		
27	J-13,AP-S2A-6		
28	J-14,AP-S2A-3		
500	J-15,AP-S2A-2		
19	J-16,AP-12		
72	J-17,AP-S1B-14		
38	J1-1,SS2-14		22
39	J1-2,SS2-13		
35	J1-3,AP-5	BLK	16
41	J1-4,AP-CCA-A		
42	J1-5,AP-CCA-7		
43	J1-6,AP-CCA-4		
52	J1-11,AP-S2PI-9		
53	J1-12,AP-S2PI-6		
54	J1-13,AP-S2PI-3		
55	J1-14,AP-PCR-12		
56	J1-15,AP-S2PI-A		
57	J1-16,AP-PCR-14		

3 ← HARNESS LOCATOR			
WIRE No.	PLUG P,P1	CLR	AWG
600	P-1,S2-3		16
601	P-2,S2-1		
17	P-3,TS-7		
18	P-4,TS-5		
19	P-5,AUX-117		
20	P-6,AUX-94		
21	P-7,AUX-118		
22	P-8,AUX-101		
23	P-9,TB-21		
24	P-10,TB-22		
25	P-11,TB-23		
26	P-12,TB-24		
27	P-13,TB-25		
28	P-14,TB-26		
500	P-15,TB-27		
19	P-16,TB-28		
72	P-17,P2-3		
69	P2-1,TB-29		
70	P2-2,TB-30		
19	P2-4,AUX-126		
38	P1-1,TB-31		
39	P1-2,TB-32		
35	P1-3,TB-33		
41	P1-4,TB-34		
42	P1-5,TB-35		
43	P1-6,TB-36		
52	P1-11,TB-37		
53	P1-12,TB-38		
54	P1-13,TB-39		
55	P1-14,TB-40		
56	P1-15,TB-41		
57	P1-16,TB-42		

1 ← HARNESS LOCATOR			
WIRE No.	WIRING (TB, AUX)	CLR	AWG
19	AUX-117,AUX-93		16
19	AUX-93,AUX-126		
47	AUX-102,AUX-125		
8	TB-15,AUX-89		
9	TB-16,AUX-90		
10	TB-17,AUX-113		
11	TB-18,AUX-114		
12	TB-19,AUX-128		
13	TB-20,AUX-104		
14	AUX-127,AUX-103		
59	TB-41,TB-42 (FIELD SIDE JUMPER)		

D

C

B

A

D

C

B

A

WIRE RUN LISTING

135L

72EE

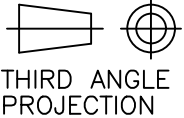
1 HARNESS LOCATOR			
WIRE No.	PLUG PA	CLR	AWG
565	PA-4,AUX-91		16
566	PA-5,AUX-92		
300	PA-6,TS-9		
301	PA-7,TS-10		
302	PA-8,TS-11		
304	PA-9,(SEE ADD'L WIRES 135L)		

6 HARNESS LOCATOR			
WIRE No.	JACK JA	CLR	AWG
565	JA-4,DPM-J3-2		16
566	JA-5,DPM-J3-1		
300	JA-6,FU1-1		
301	JA-7,FU2-1		
302	JA-8,FU3-1		
304	JA-9,(SEE ADD'L WIRES 135L)		

ADD HARNESS LOCATOR			
WIRE No.	ADDITIONAL WIRING	CLR	AWG
553	CT1-X1,SB-1		16
554	CT2-X1,SB-3		
555	CT3-X1,SB-5		
556	CT1-X2,CT2-X2	BLK	
556	CT2-X2,CT3-X2	BLK	
556	CT3-X2,SB-7	BLK	
556	SB-7,EQUIP. GND.	GRN	
553	SB-2,DPM-TB2-1		
554	SB-4,DPM-TB2-3		
555	SB-6,DPM-TB2-5		
556	SB-8,DPM-TB2-2		
556	DPM-TB2-2,DPM-TB2-4		
556	DPM-TB2-4,DPM-TB2-6		
556	DPM-GND,EQUIP. GND.	GRN	
560	DPM-TB1-1,FU1-2		
561	DPM-TB1-2,FU2-2		
562	DPM-TB1-3,FU3-2		
ONLY IF ACCESSORY 171*** IS AVAILABLE			
500	DPM-J6-1,AP-S1A-8		
19	DPM-J6-2,AP-12		

WIRE No.	ADDL. WIRING (135LA1) W/NEUTRAL MONITORING	CLR	AWG
304	PA-9,TS-12		16
304	JA-9,DPM-TB1-4		
557	CT4-X1,SB-9		
557	SB-10,DPM-TB2-7		
556	CT4-X2,CT1-X2	BLK	
556	DPM-TB2-6,DPM-TB2-8		

ADD HARNESS LOCATOR			
WIRE No.	ADDITIONAL WIRING 72EE	CLR	AWG
ONLY IF ACCESSORY 171*** IS AVAILABLE			
35	72EE-1(+),AP-6	RED	22
19	72EE-2(-),AP-12	BLK	(2 COND)

PROJECT NAME:				REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING				DIAGRAM				
300 SERIES (G3MGDQ) 3PH 1600-3000 AMPS								
"G" FRAME, MANUALLY OPERATED TS				 THIRD ANGLE PROJECTION				
DRAWN BY	BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-I-003. FOR PLASTIC PARTS SEE MP-I-055		ASSEM. REF. NO.		COMPUTER GENERATED DRAWING	
CHECKED	JPB	02/21/20					SCALE	NONE
PROJECT APPROVAL			PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.				SIZE	DS
FINAL APPROVAL			DWG. NO. 1191611					
			ASCOREG ASCO POWER TECHNOLOGIES, LP. FLORHAM PARK, NEW JERSEY 07932 U.S.A.				DRAWING F REV.	ECN NO. 295568
							SHEET 9 OF 9	