

SINGLE PHASE WIRING FOR ASCO® 300 SERIES MANUALLY OPERATED TRANSFER SWITCH TYPE H3MTS RATED 600-1200 AMPERES

FEATURES, OPERATION, ACCESSORIES, & NOTES

STANDARD FEATURE

FEATURE 14A & 14B - TRANSFER SWITCH AUXILIARY POSITION INDICATING CONTACTS. ONE (1) FORM A CONTACT TO INDICATE CONNECTION OF THE TRANSFER SWITCH TO SOURCE 1 (14A) AND ONE (1) FORM A CONTACT TO INDICATE CONNECTION OF THE TRANSFER SWITCH TO SOURCE 2 (14B) AND ONE (1) FROM A CONTACT TO INDICATE TRANSFER SWITCH IN DISCONNECTED POSITION. CONTACTS CONNECTED TO THE FIELD CONNECTIONS TERMINAL BLOCK (TB). CONTACTS RATED 10 AMPS, 32VDC, 250 VAC.

OPTIONAL ACCESSORIES

ACC. 170B* ONE FORM C CONTACT WIRED TO THE CUSTOMER TERMINAL BLOCK THAT OPERATES WHEN SOURCE 1 AND SOURCE 2 VOLTAGE IS PRESENT AT THE TRANSFER SWITCH TERMINALS. S1A CONTACTS OPERATE WHEN SOURCE 1 AVAILABLE AND S2A CONTACTS OPERATE WHEN SOURCE 2 AVAILABLE. TRANSFER SWITCH AUXILIARY CONTACTS WIRED TO THE TERMINAL BLOCK (TB) TO INDICATE TS POSITIONS (CLOSE ON SOURCE 1, CLOSE SOURCE 2 AND TS DISCONNECTED). THE FOLLOWING INDICATORS ARE PROVIDED:

- PL1: LOAD CONNECTED TO SOURCE 1 (GREEN)
- PL2: LOAD CONNECTED TO SOURCE 2 (RED)
- PL3: SOURCE 1 AVAILABLE (GREEN)
- PL4: SOURCE 2 AVAILABLE (RED)
- PL5: TS DISCONNECTED (YELLOW)

ACC. 170E* ONE FORM C CONTACT WIRED TO THE CUSTOMER TERMINAL BLOCK THAT OPERATES WHEN SOURCE 1 AND SOURCE 2 VOLTAGE IS PRESENT AT THE TRANSFER SWITCH TERMINALS. S1A CONTACTS OPERATE WHEN SOURCE 1 AVAILABLE AND S2A CONTACTS OPERATE WHEN SOURCE 2 AVAILABLE. TRANSFER SWITCH AUXILIARY CONTACTS WIRED TO THE TERMINAL BLOCK (TB) TO INDICATE TS POSITIONS (CLOSE ON SOURCE 1, CLOSE SOURCE 2 AND TS DISCONNECTED). PROVISION FOR CUSTOMER EXTERNAL COMMON ALARM INPUT (FORM A CONTACT) TO THE TERMINAL BLOCK THAT DRIVES A LED AND AN ALARM RELAY TO INDICATE WHEN THE INPUT IS ACTIVE. ONE FORM A CONTACT OF THE ALARM RELAY AND A MANUAL ENGINE START SWITCH ARE WIRED TO THE TERMINAL BLOCK. THE FOLLOWING INDICATORS AND CONTROLS ARE PROVIDED:

- PL1: LOAD CONNECTED TO SOURCE 1 (GREEN)
- PL2: LOAD CONNECTED TO SOURCE 2 (RED)
- PL3: SOURCE 1 AVAILABLE (GREEN)
- PL4: SOURCE 2 AVAILABLE (RED)
- PL5: TS DISCONNECTED (YELLOW)
- PL6: EXTERNAL COMMON ALARM ACTIVE (YELLOW)
- SS1: MANUAL ENGINE START

ACC. 170K* ONE FORM C CONTACT WIRED TO THE CUSTOMER TERMINAL BLOCK THAT OPERATES WHEN SOURCE 1 AND SOURCE 2 VOLTAGE IS PRESENT AT THE TRANSFER SWITCH TERMINALS. S1A CONTACTS OPERATE WHEN SOURCE 1 AVAILABLE AND S2A CONTACTS OPERATE WHEN SOURCE 2 AVAILABLE. TRANSFER SWITCH AUXILIARY CONTACTS WIRED TO THE TERMINAL BLOCK (TB) TO INDICATE TS POSITIONS (CLOSE ON SOURCE 1, CLOSE SOURCE 2 AND TS DISCONNECTED). PROVISION FOR CUSTOMER EXTERNAL COMMON ALARM INPUT (FORM A CONTACT) TO THE TERMINAL BLOCK THAT DRIVES A LED AND AN ALARM RELAY TO INDICATE WHEN THE INPUT IS ACTIVE. ONE FORM A CONTACT OF THE ALARM RELAY AND A KEYED MANUAL ENGINE START SWITCH ARE WIRED TO THE TERMINAL BLOCK. THE FOLLOWING INDICATORS AND CONTROLS ARE PROVIDED:

- PL1: LOAD CONNECTED TO SOURCE 1 (GREEN)
- PL2: LOAD CONNECTED TO SOURCE 2 (RED)
- PL3: SOURCE 1 AVAILABLE (GREEN)
- PL4: SOURCE 2 AVAILABLE (RED)
- PL5: TS DISCONNECTED (YELLOW)
- PL6: EXTERNAL COMMON ALARM ACTIVE (YELLOW)
- SS1: MANUAL ENGINE START (KEYED)

NOTE A:

- *=BLANK, WITHOUT MOXA E1212.
- *=1 MOXA E1212 ETHERNET REMOTE I/O SHALL BE POWERED WITH 24VDC THAT IS DERIVED FROM THE BYPASS POWER SUPPLY AND/OR OPTIONAL EXTERNAL 24VDC SOURCE FROM CUSTOMER. PROVISION PROVIDED ON TERMINAL BLOCK (TB) FOR CUSTOMER DC SOURCE. THE MOXA E1212 IS INTER WIRED TO THE DISCRETE INPUTS. CONNECTED TO SOURCE 1, CONNECTED TO SOURCE 2, SOURCE 1 AVAILABLE, SOURCE 2 AVAILABLE, AND TS DISCONNECTED. WIRE THE FOLLOW INPUTS IF PRESENT, COMMON ALARM AND ENGINE START SIGNAL.

TABLE A. DISCRETE INPUT

NUMBER	LABEL (FACTORY SETTING)	FEATURE	ACCESSORY DESCRIPTION
D10	TS ON S1	N/A	TS CONNECTED TO SOURCE 1
D11	TS ON S2	N/A	TS CONNECTED TO SOURCE 2
D12	TS DISCONNECTED	N/A	TS DISCONNECTED (CENTER OFF POSITION)
D13	S1 AVAILABLE	N/A	SOURCE 1 AVAILABILITY
D14	S2 AVAILABLE	N/A	SOURCE 2 AVAILABILITY
D15	ENGINE START	N/A	WIRED TO ENGINE START SIGNAL TO INDICATE WHEN A MANUAL ENGINE START HAS BEEN INITIATED (IF PRESENT)
D16	COMMON ALARM	N/A	COMMON ALARM ACTIVE (IF PRESENT)

OPTIONAL ACCESSORIES CONTINUED

ACC. 73AA* SECONDARY SURGE SUPPRESSOR (SS1) FURNISHED ON SOURCE 1 AND (SS2) FURNISHED ON SOURCE 2 (ASCO SERIES 510)
73AA(*) - SINGLE PHASE (2) POLES WITH OR WITHOUT NEUTRAL.

- * - (BLANK) = MODEL 06.
- * - (8) = MODEL 08.

ACC. 73AA* SECONDARY SURGE SUPPRESSOR (SS) FURNISHED ON LOAD. (ASCO SERIES 510)
73AA(*) - SINGLE PHASE (2) POLES WITH OR WITHOUT NEUTRAL

- * - 3 = MODEL 06.
- * - 6 = MODEL 08.

CONFIGURATION OF SHIPPED EQUIPMENT

TRANSFER SYSTEM IS SHIPPED CONNECTED IN THE "DISCONNECTED" POSITION, INDICATOR SHOWS "YELLOW". IN "DISCONNECTED" POSITION BOTH "SOURCE 1" AND "SOURCE 2" SWITCH CONTACTS ARE OPEN.

OPERATION

OBSERVE THE INDICATOR WINDOW. IF WINDOW SHOWS "YELLOW" UNDER "SOURCE 1" THE TRANSFER SWITCH IS CONNECTED TO SOURCE 1. "YELLOW" UNDER "SOURCE 2" INDICATES THE TRANSFER SWITCH IS CONNECTED TO THE SOURCE 2. "YELLOW" UNDER "DISCONNECTED" INDICATES THE TRANSFER SWITCH IS IN THE DISCONNECTED POSITION.

TRANSFER TO "SOURCE 1" FROM "DISCONNECTED" POSITION.
-GRASP MANUAL HANDLE FIRMLY WITH BOTH HANDS, PULL OUT TO MECHANICAL STOP AND ROTATE HANDLE CLOCKWISE.
-OBSERVE THE INDICATOR WINDOW TO CONFIRM TRANSFER.

TRANSFER TO "SOURCE 2" FROM "DISCONNECTED" POSITION.
-GRASP MANUAL HANDLE FIRMLY WITH BOTH HANDS, PUSH IN TO MECHANICAL STOP AND ROTATE HANDLE COUNTERCLOCKWISE.
-OBSERVE THE INDICATOR WINDOW TO CONFIRM TRANSFER.

GENERAL NOTES

- SWITCH SHOWN DE-ENERGIZED AND CONNECTED TO THE SOURCE 1.
- DEVICE SYMBOLS AND DESIGNATIONS ARE IN ACCORDANCE WITH NEMA PUBLICATION ICS 1-1983, PART 1-101A.
- ALL WIRING IS #16 AWG, TINNED, STRANDED COPPER UNLESS OTHERWISE INDICATED.
- ON TERMINAL BLOCKS INDICATES AVAILABLE FIELD CONNECTION POINT.
- ON TERMINAL BLOCKS INDICATES FACTORY CONNECTION POINT.
- CONTROL AND ACCESSORY WIRING IS ROUTED IN ACCORDANCE WITH ASCO ASSEMBLY PROCEDURE GS451261.
- AN OPERATOR'S MANUAL IS FURNISHED WITH EACH TRANSFER SWITCH. REFER TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE UNIT.

TECHNICAL DATA

AUXILIARY CONTACTS

AUXILIARY CONTACT	STATUS (*)	SWITCH POSITION (AUX)		
		SOURCE 1	OFF	SOURCE 2
81-82	●			
83-84	●			
85-86	●			
87-88	●			
89-90	●			
91-92	●			
93-94	●			
101-102	●			
103-104	●			
105-106	●			
107-108	●			
109-110	●			
111-112	●			
113-114	●			
115-116	●			
117-118	●			
125-126	●			
127-128	●			

BASE CATALOG NUMBER				CATALOG NUMBER SUFFIXES				EXPLANATION OF CATALOG NUMBER CODES							
TS FRAME	CATALOG TYPE	NEUTRAL TYPE	PHASE POLES	AMPS	VOLT CODE	CONTROLLER	OPTIONAL ACCESSORY	ENCLOSURE CODE	NEUTRAL TYPE	VOLTAGE CODES 3 PHASE (3 OR 4 WIRE) 50 OR 60 Hz	ENCLOSURE CODES				
					C D E F G H J K L M N P Q R		O=NONE X=YES Z=SPECIAL	C M N S V	CODE	DESCRIPTION	CODE	NOMINAL VOLTAGE	CODE	TYPE	DESCRIPTION
H	3MTS	A B	2	600 800 1000 1200					BLANK A B	NONE SOLID SWITCHING	C D E F G H J K L M N P Q R	208 220 230 240 277 380 400 415 440 460 480 550 575 600	M N S V	3R 3RX 4X	GENERAL PURPOSE, INDOOR (SECURE ENCLOSURES) OUTDOOR, RAINPROOF, SLEET & ICE RESISTANT INDOOR/OUTDOOR, WATERTIGHT & DUSTTIGHT TYPE 3R PLUS CORROSION RESISTANCE (STAINLESS STEEL) TYPE 4 PLUS CORROSION RESISTANCE (STAINLESS STEEL)

CATALOG NUMBER _____
ASCO® CERTIFIED TO S.O. _____
 BY _____
 DATE _____

A	271997	NS	JPB	04/13/18
				SEE ECN
	268581	NS	JPB	05/15/17
				ISSUE

PROJECT NAME: _____

WIRING _____ DIAGRAM _____

300 SERIES (H3MTS) 1PH 600-1200 AMPS
 "H" FRAME, MANUALLY OPERATED TS

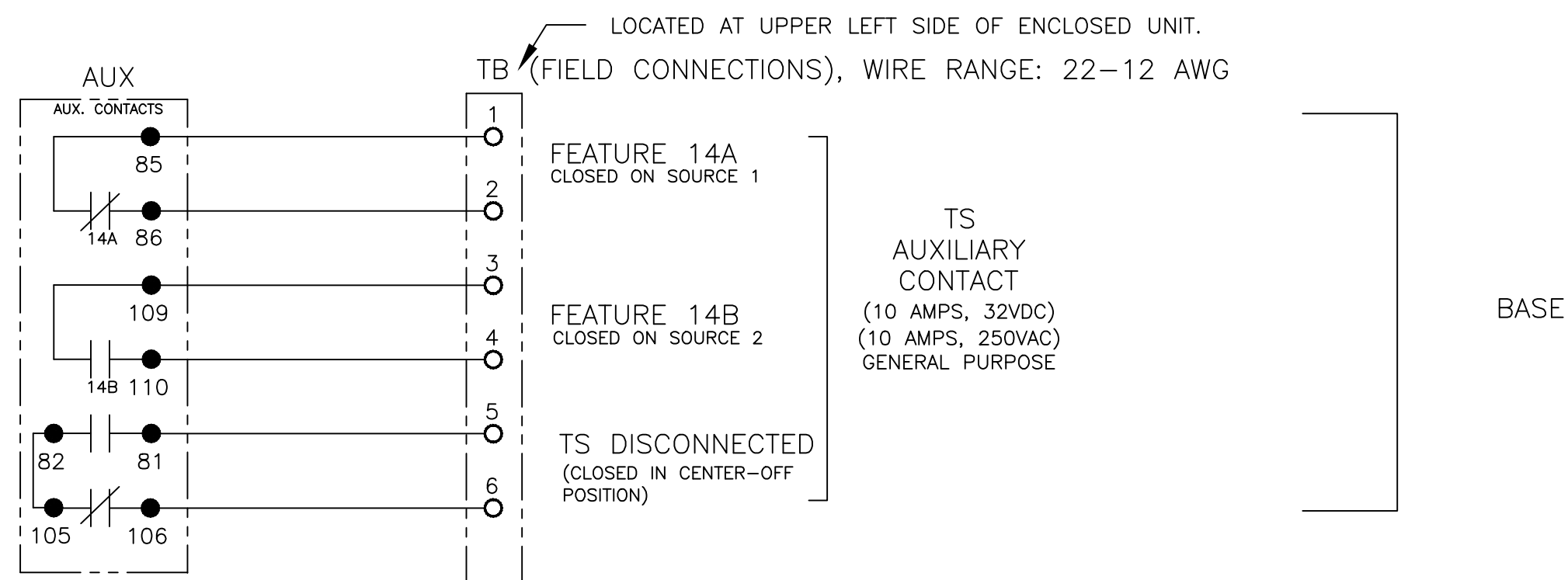
THIRD ANGLE PROJECTION

DRAWN BY	NS	DATE	05/15/17	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	JPB	DATE	05/15/17	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE	1:1 SIZE DS
PROJECT APPROVAL						
FINAL APPROVAL						

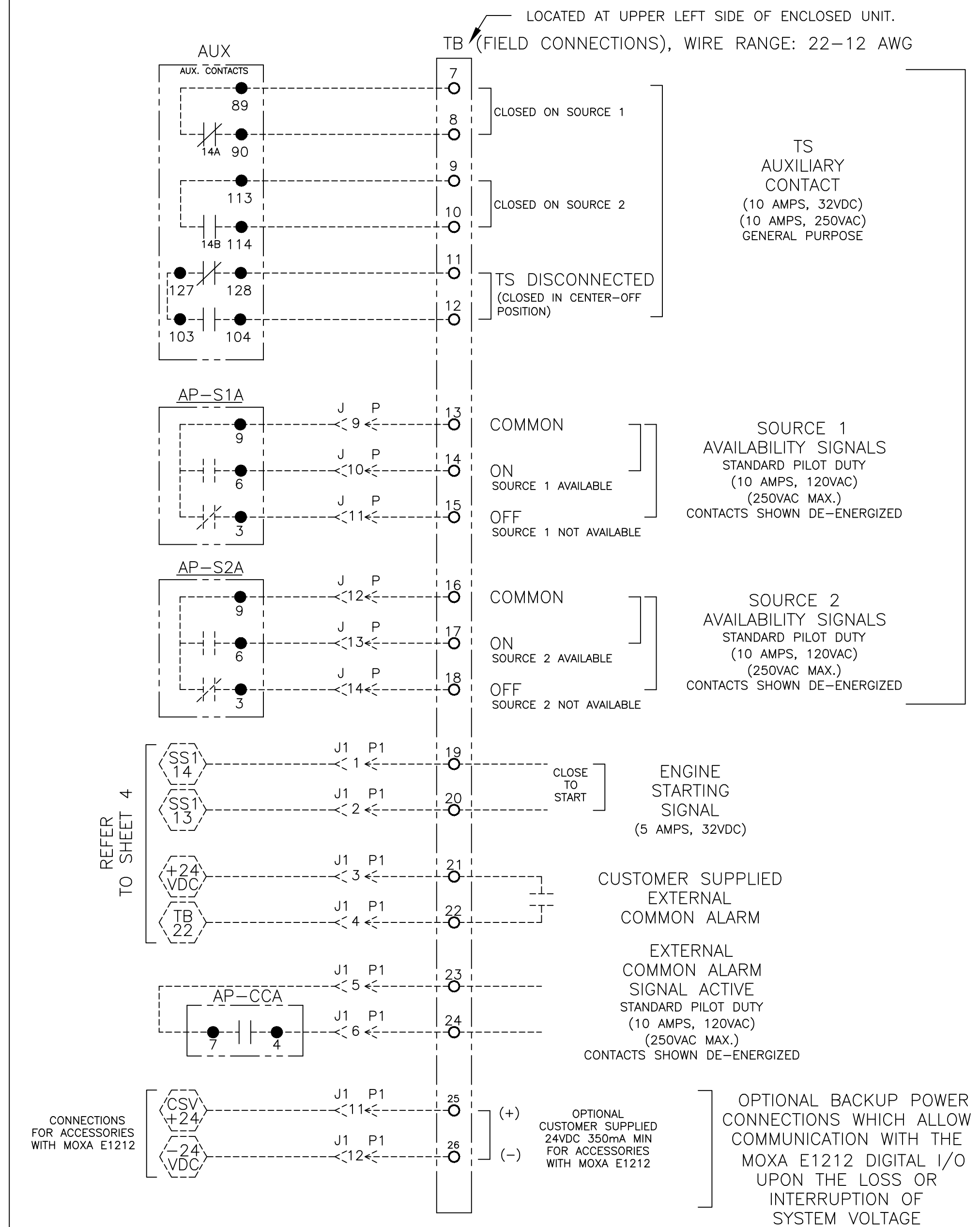
ASCO® ASCO POWER TECHNOLOGIES, L.P.
 FLOHAM PARK, NEW JERSEY 07932 U.S.A.

DRAWING NO. 1190033
 ECN NO. 271997 SHEET 1 OF 6

FIELD CONNECTIONS BASE



FIELD CONNECTIONS FOR OPTIONAL ACCESSORIES



ACCESSORY 170B

ACCESSORY 170E OR 170K

REFER TO SHEET 4

CONNECTIONS FOR ACCESSORIES WITH MOXA E1212

OPTIONAL CUSTOMER SUPPLIED 24VDC 350mA MIN FOR ACCESSORIES WITH MOXA E1212

OPTIONAL BACKUP POWER CONNECTIONS WHICH ALLOW COMMUNICATION WITH THE MOXA E1212 DIGITAL I/O UPON THE LOSS OR INTERRUPTION OF SYSTEM VOLTAGE

REV. TO SHEET	ECN NO.	BY	APP.	DATE
A	271997	NS	JPB	04/13/18
	SEE ECN			
	268581	NS	JPB	05/15/17
	ISSUE			

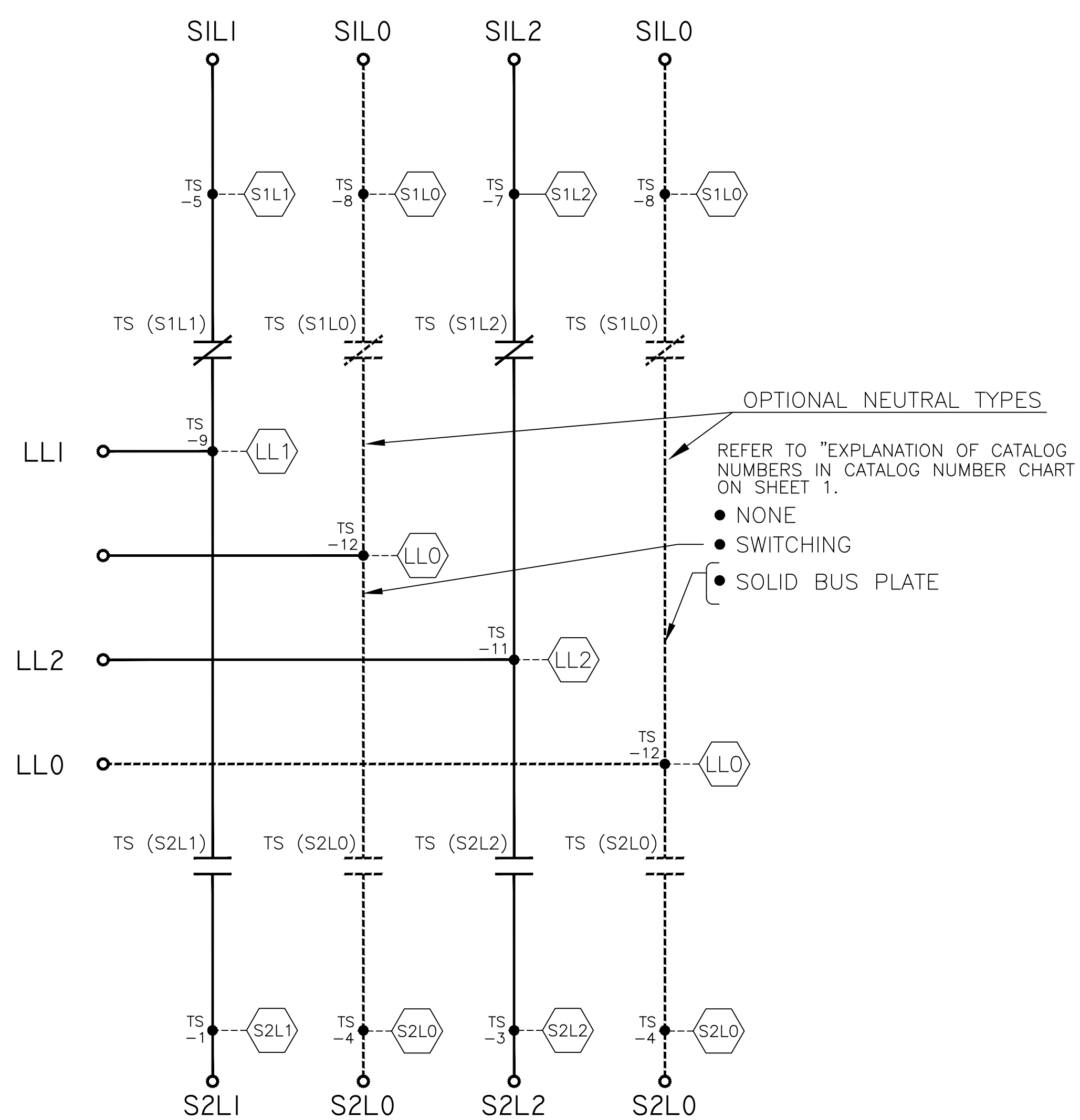
PROJECT NAME:		DIAGRAM	
300 SERIES (H3MTS) 1PH 600-1200 AMPS			
"H" FRAME, MANUALLY OPERATED TS			
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005	ASSEM. REF. NO.
NS	05/15/17		
CHECKED	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE
JPB	05/15/17		1:1
PROJECT APPROVAL			SIZE DS
FINAL APPROVAL			
DRAWING NO. 1190033		SHEET 2 OF 6	
REV. A		ECN NO. 271997	

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

MAIN POWER POLES

OPTIONAL ACCESSORIES

SOURCE I

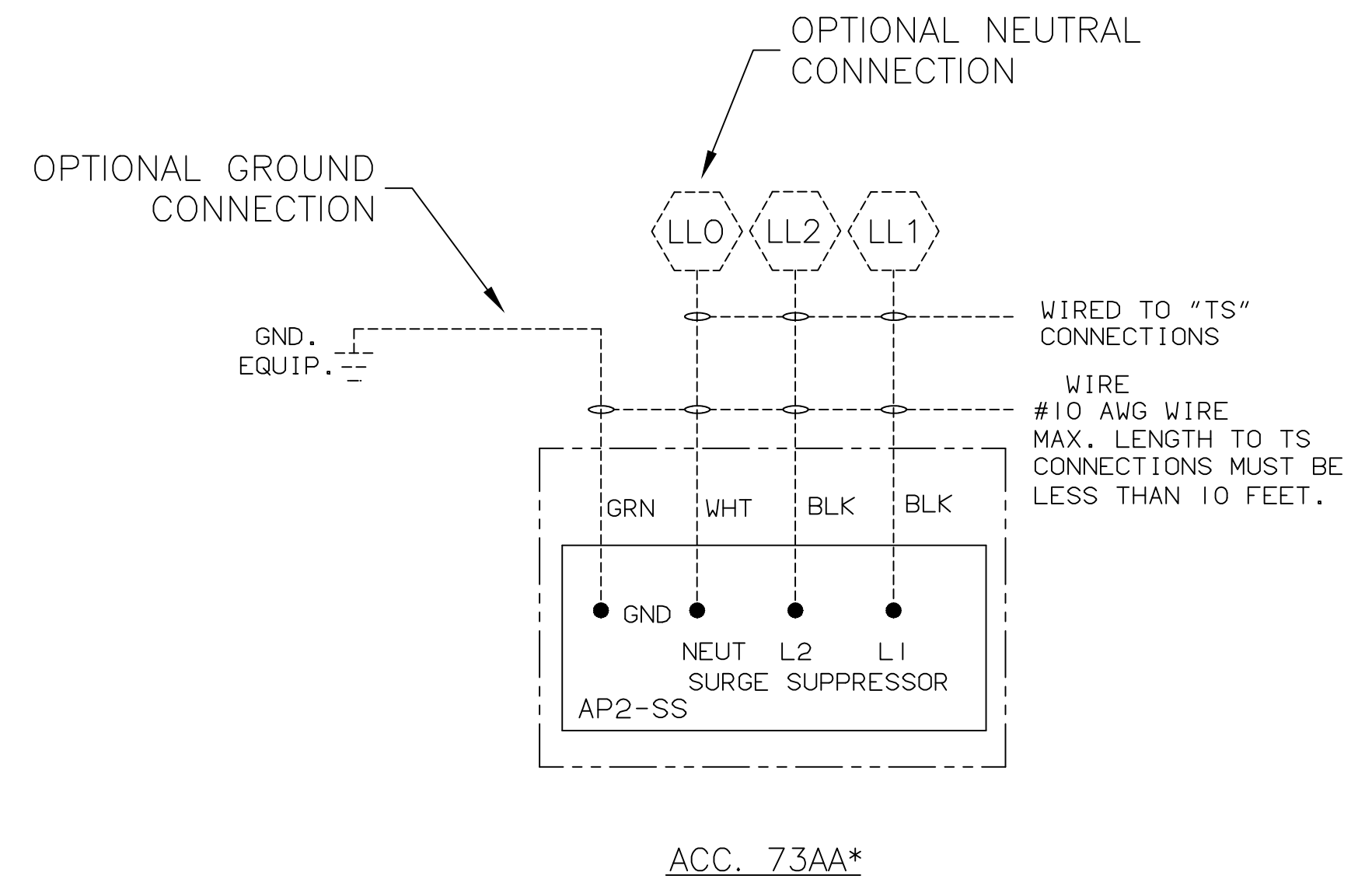
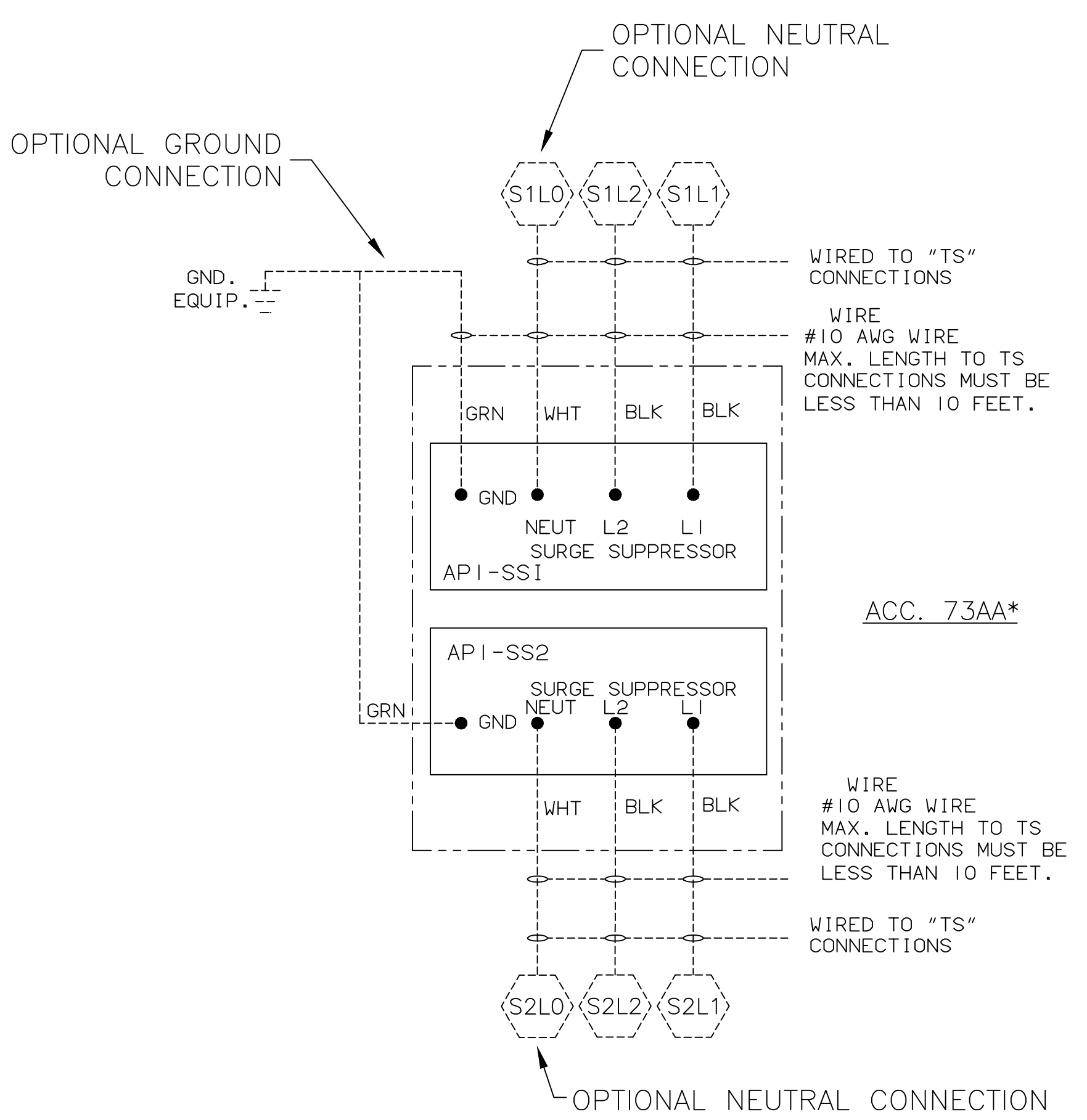


NOTE:
TS SHOWN CLOSED ON SOURCE 1.

- OPTIONAL NEUTRAL TYPES
- REFER TO "EXPLANATION OF CATALOG NUMBERS IN CATALOG NUMBER CHART ON SHEET 1.
- NONE
 - SWITCHING
 - SOLID BUS PLATE

73AA* SOURCE 1(SS1) & SOURCE 2(SS2)

73AA* LOAD (SS)



PROJECT NAME:		WIRING		DIAGRAM	
300 SERIES (H3MTS) 1PH 600-1200 AMPS					
"H" FRAME, MANUALLY OPERATED TS					
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005		ASSEM. REF. NO.	SCALE
NS	05/15/17				1:1
CHECKED	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		DWG. NO.	SIZE
JPB	05/15/17			1190033	DS
PROJECT APPROVAL		ASCO® ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.		DRAWING A	REV. 1
FINAL APPROVAL				ECN NO. 271997	SHEET 3 OF 6

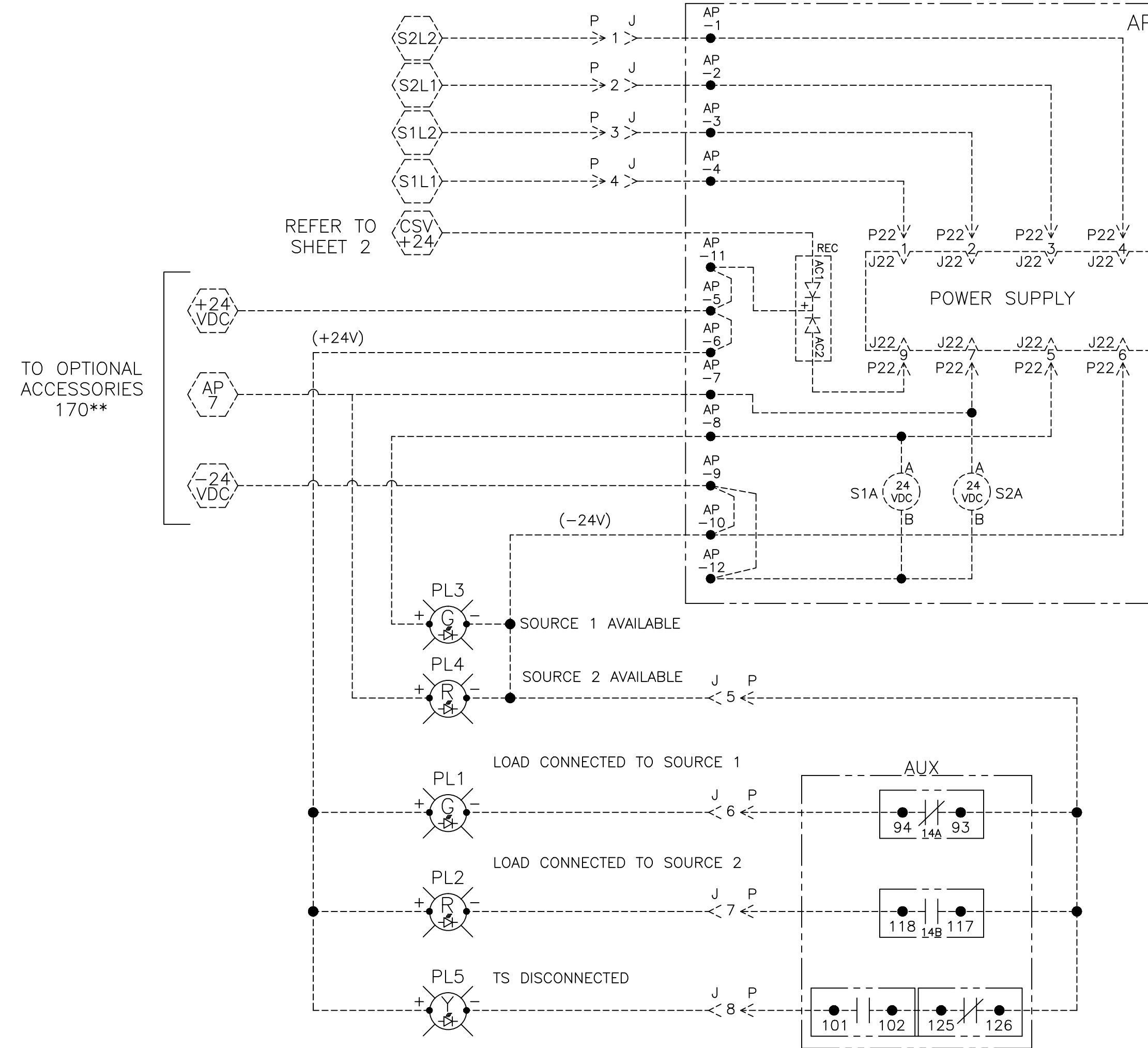
REV. TO SHEET	ECN NO.	BY	APP.	DATE
A	271997	NS	JPB	04/13/18
	268581	NS	JPB	05/15/17

OPTIONAL ACCESSORIES CONTINUED

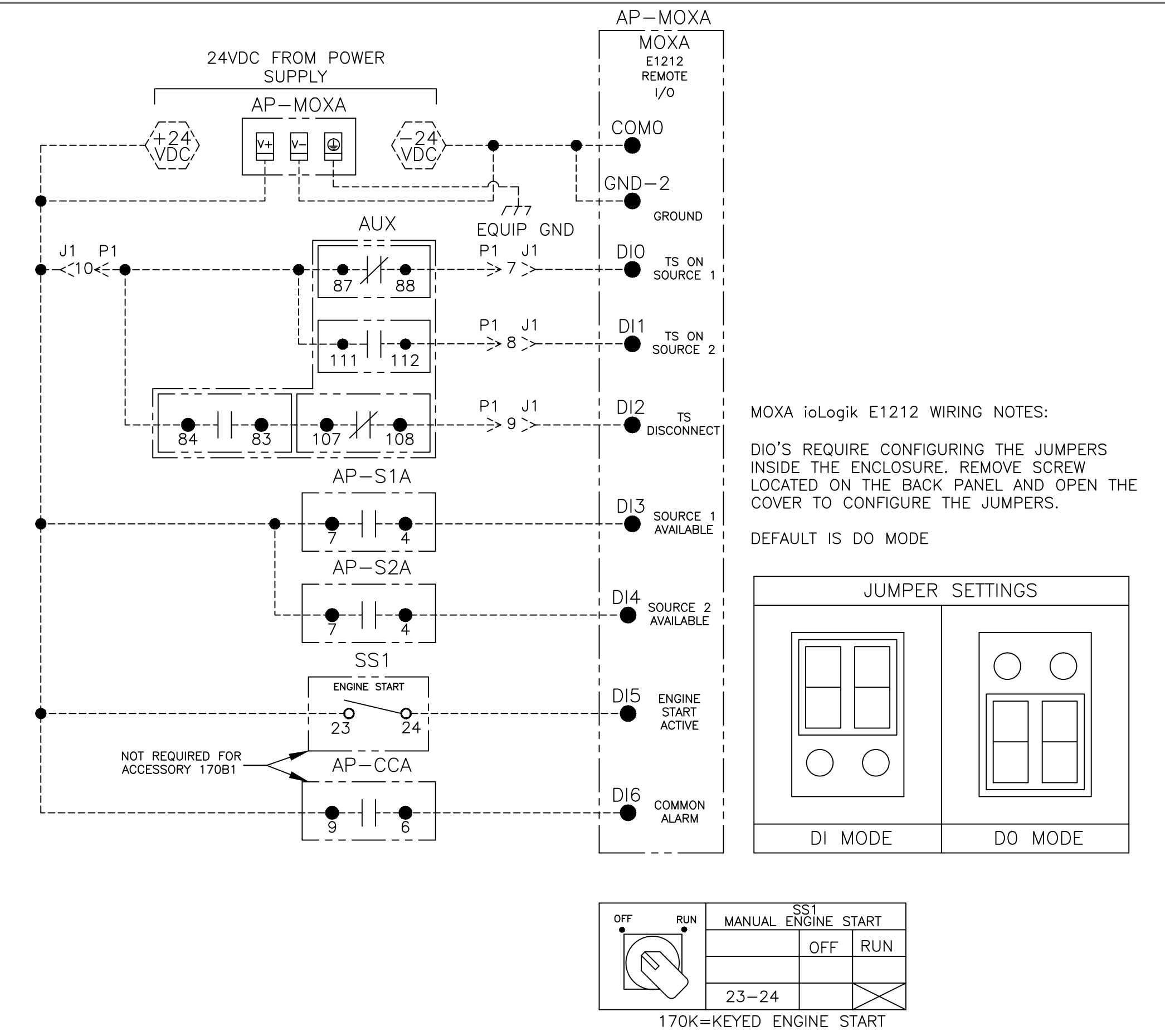
ACCESSORIES CIRCUIT MATRIX

ACCESSORY	CIRCUITS
170B(*)	170B
170E(*)	170B + 170E
170K(*)	170B + 170K
(*) = 1	+ 170*1

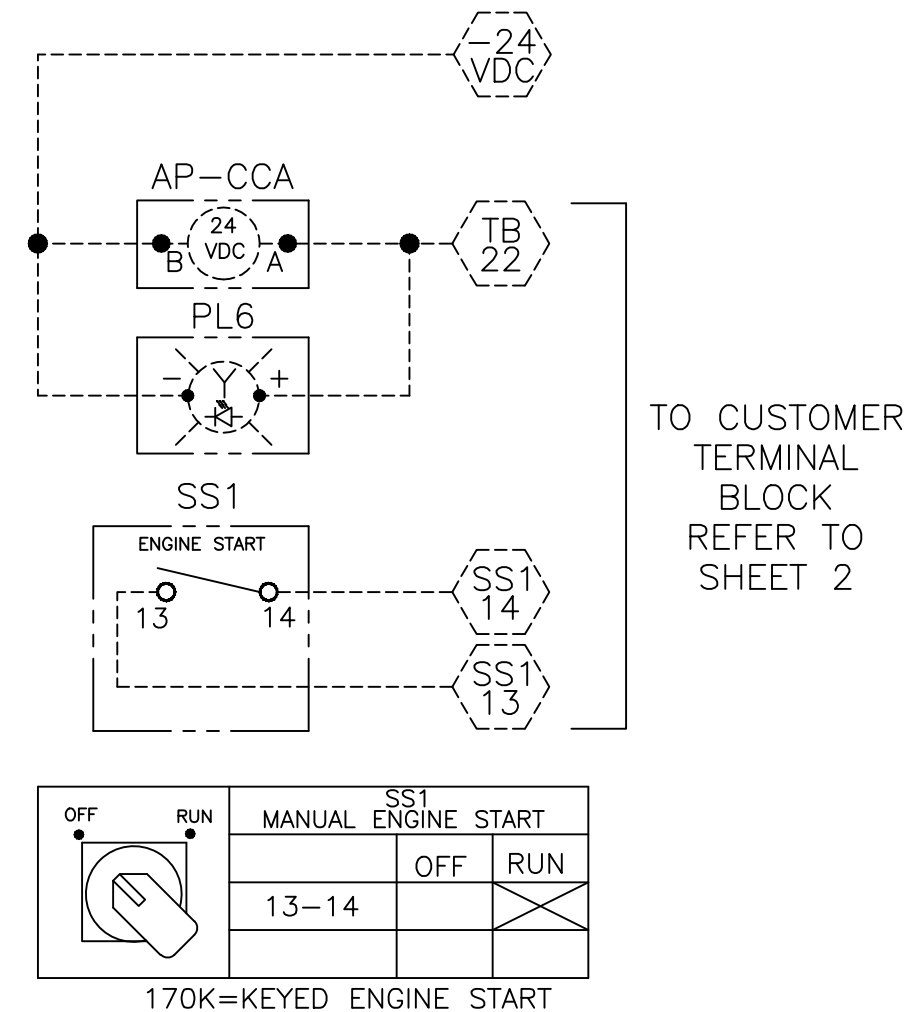
170B CIRCUIT



170*1 CIRCUIT



170E OR 170K CIRCUIT



271997	NS	JPB	04/13/18
268581	NS	JPB	05/15/17

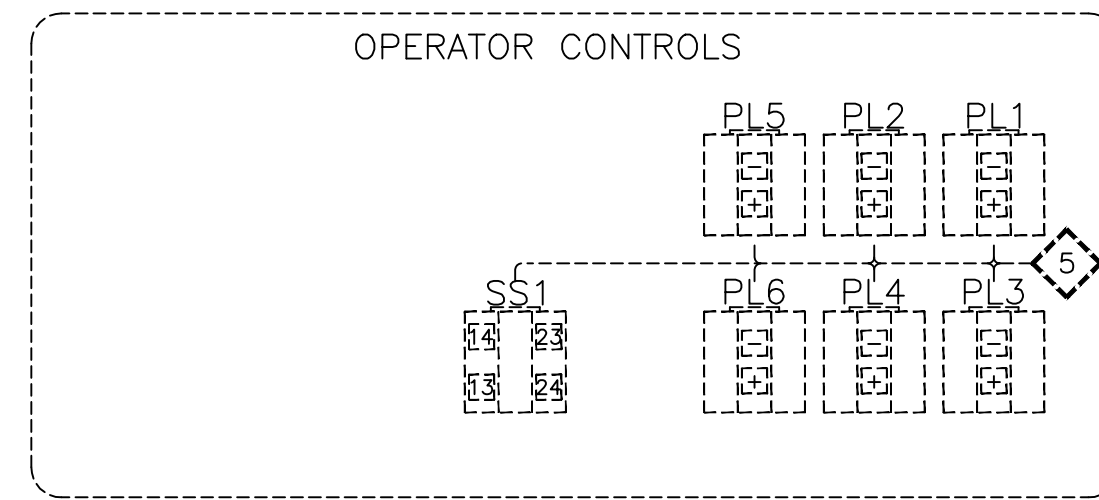
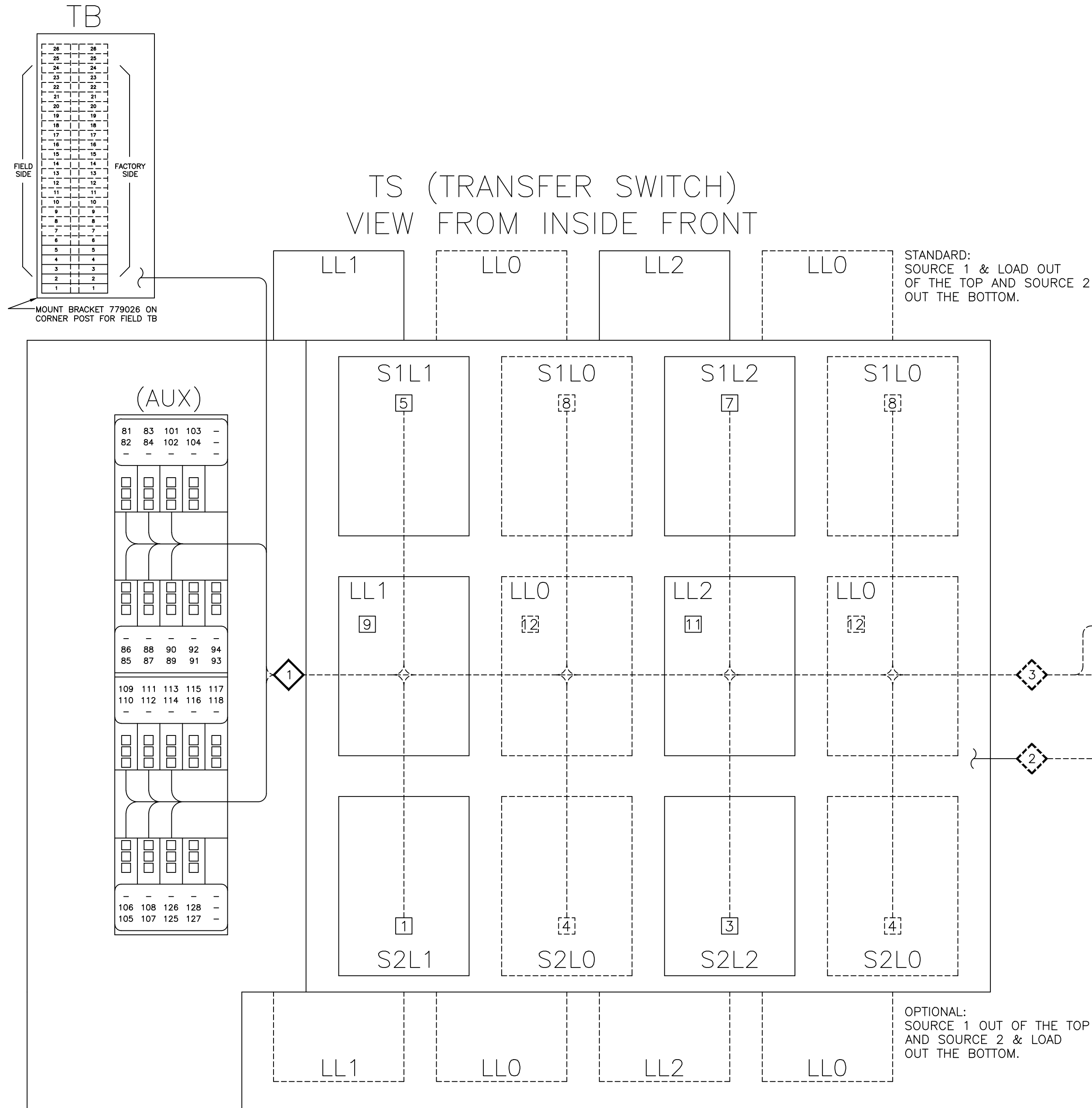
PROJECT NAME:		DIAGRAM	
300 SERIES (H3MTS) 1PH 600-1200 AMPS			
"H" FRAME, MANUALLY OPERATED TS			
BY	DATE	ASSEM. REF. NO.	SCALE
NS	05/15/17		1:1 DS
CHECKED	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	DWG. NO.
JPB	05/15/17		1190033
FINAL APPROVAL		ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.	DRAWING A REV. 1
			ECN NO. 271997 SHEET 4 OF 6

PHYSICAL DIAGRAM

ENCLOSURE

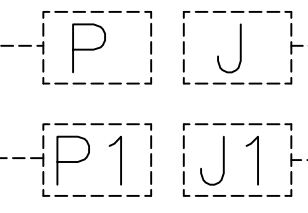
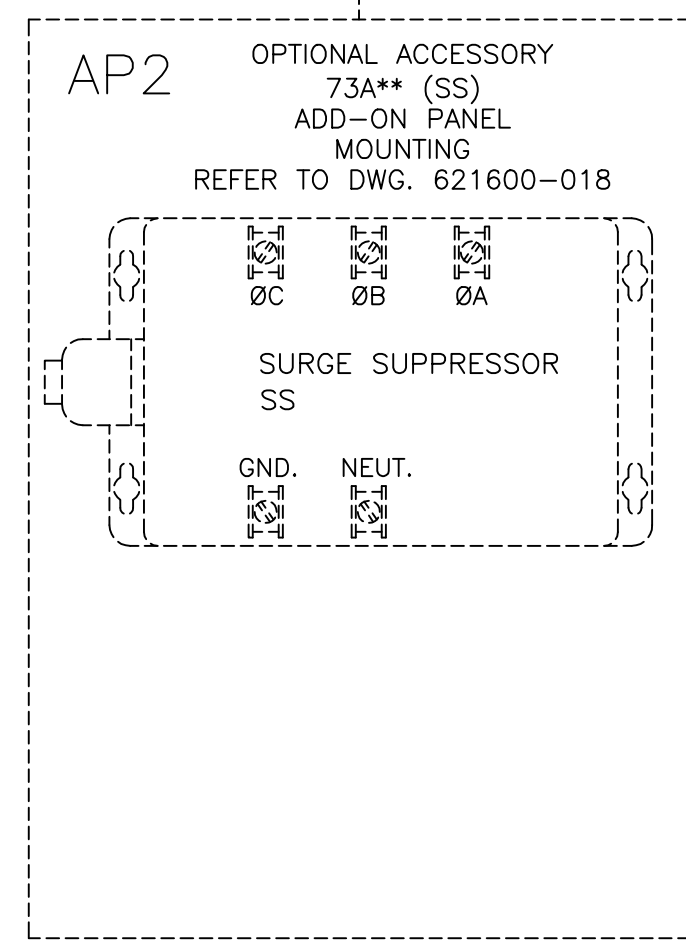
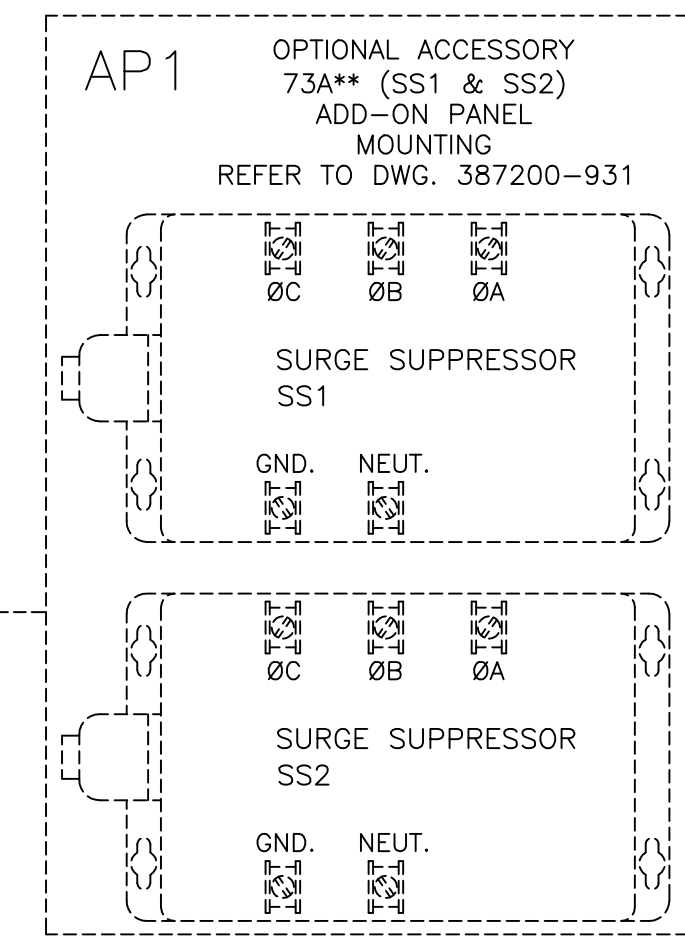
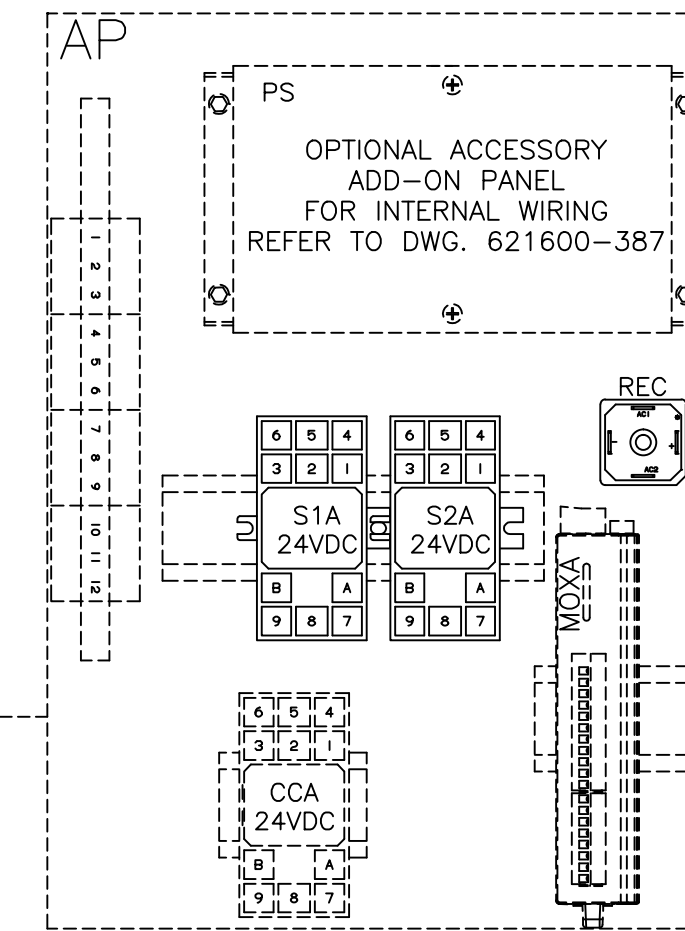
DOOR, INSIDE

TS (TRANSFER SWITCH)
VIEW FROM INSIDE FRONT



OPERATOR CONTROLS FOR ACC. 170**

ID	DESCRIPTION
SS1	MANUAL ENGINE START
PL1	LOAD CONNECTED TO SOURCE 1 (GREEN)
PL2	LOAD CONNECTED TO SOURCE 2 (RED)
PL3	SOURCE 1 AVAILABLE (GREEN)
PL4	SOURCE 2 AVAILABLE (RED)
PL5	TS DISCONNECTED (YELLOW)
PL6	EXTERNAL COMMON ALARM ACTIVE (YELLOW)



DOOR HINGE

BONDING STRAP
PN 098323-019

271997	NS	JPB	04/13/18
SEE ECN			
268581	NS	JPB	05/15/17
ISSUE			

PROJECT NAME:		DIAGRAM	
300 SERIES (H3MTS) 1PH 600-1200 AMPS			
"H" FRAME, MANUALLY OPERATED TS			
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-055	ASSEM. REF. NO.
NS	05/15/17		
CHECKED	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE
BK	4/01		1:1
PROJECT APPROVAL	DATE		SIZE
WK	4/01		DS
FINAL APPROVAL			
DRAWING NO.		SHEET	
1190033		5 OF 6	
DRAWING A		ECN NO. 271997	
REV.			

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

WIRE RUN LISTING

BASE				170B				170B1				170E OR 170K				170E1 OR 170K1				73AA* (SS)-LOAD				
4 ← HARNESS LOCATOR				4 ← HARNESS LOCATOR				4 ← HARNESS LOCATOR				4 ← HARNESS LOCATOR				4 ← HARNESS LOCATOR				4 ← HARNESS LOCATOR				
WIRE No.	WIRING (TB, AUX)	CLR	AWG	WIRE No.	JACK J	CLR	AWG	WIRE No.	JACK J,J1	CLR	AWG	WIRE No.	JACK J,J1	CLR	AWG	WIRE No.	WIRING (AP)	CLR	AWG	WIRE No.	WIRING SS	CLR	AWG	
1	TB-1,AUX-85		16	15	J-1,AP-1		16	15	J-1,AP-1		16	15	J-1,AP-1		16	15	J-1,AP-1		16	19	AP-S1A-7,AP-S2A-7		10	
2	TB-2,AUX-86			16	J-2,AP-2			16	J-2,AP-2			16	J-2,AP-2			16	J-2,AP-2			19	AP-S2A-7,AP-MOXA-(V+)	BLK		
3	TB-3,AUX-109			17	J-3,AP-3			17	J-3,AP-3			17	J-3,AP-3			17	J-3,AP-3			19	AP-MOXA-(V+),AP-5	BLK		
4	TB-4,AUX-110			18	J-4,AP-4			18	J-4,AP-4			18	J-4,AP-4			18	J-4,AP-4			19	AP-S1A-4,AP-MOXA-DI3			
5	TB-5,AUX-81			19	J-5,AP-10			19	J-5,AP-10			19	J-5,AP-10			19	J-5,AP-10			19	AP-S2A-4,AP-MOXA-DI4			
6	TB-6,AUX-106			20	J-6,PL1(-)			20	J-6,PL1(-)			20	J-6,PL1(-)			20	J-6,PL1(-)			100	AP-MOXA-GND,EQUIP. GND	GRN		
7	AUX-82,AUX-105			21	J-7,PL2(-)	BLK	22	21	J-7,PL2(-)	BLK	22	21	J-7,PL2(-)	BLK	22	21	J-7,PL2(-)	BLK	22	19	AP-MOXA-(V-),AP-9			
				22	J-8,PL5(-)			22	J-8,PL5(-)			22	J-8,PL5(-)			22	J-8,PL5(-)			19	AP-MOXA-COMO,AP-MOXA-COMO	BLK		
				23	J-9,AP-S1A-9		16	23	J-9,AP-S1A-9		16	23	J-9,AP-S1A-9		16	23	J-9,AP-S1A-9			19	AP-MOXA-COMO,AP-MOXA-GND-2	BLK		
				24	J-10,AP-S1A-6			24	J-10,AP-S1A-6			24	J-10,AP-S1A-6			24	J-10,AP-S1A-6			35	AP-6,PL1-(+)			
				25	J-11,AP-S1A-3			25	J-11,AP-S1A-3			25	J-11,AP-S1A-3			25	J-11,AP-S1A-3			35	PL1-(+),PL2-(+)	RED		
				26	J-12,AP-S2A-9			26	J-12,AP-S2A-9			26	J-12,AP-S2A-9			26	J-12,AP-S2A-9			35	PL2-(+),PL5-(+)			
				27	J-13,AP-S2A-6			27	J-13,AP-S2A-6			27	J-13,AP-S2A-6			27	J-13,AP-S2A-6			36	AP-7,PL4-(+)			
				28	J-14,AP-S2A-3			28	J-14,AP-S2A-3			28	J-14,AP-S2A-3			28	J-14,AP-S2A-3			37	AP-8,PL3-(+)			
								44	J1-7,AP-MOXA-DI0							44	J1-7,AP-MOXA-DI0			19	AP-10,PL3(-)	BLK		
								45	J1-8,AP-MOXA-DI1							45	J1-8,AP-MOXA-DI1			19	PL3-(+),PL4-(+)	RED		
								46	J1-9,AP-MOXA-DI2							46	J1-9,AP-MOXA-DI2			19	AP-CCA-B,PL6(-)	BLK		
								35	J1-10,AP-S1A-7							35	J1-10,AP-S1A-7			51	SS1-23,AP-CCA-DI5	BLK		
								500	J1-11,AP-REC-AC1							500	J1-11,AP-REC-AC1			35	SS1-9,AP-MOXA-DI6			
								19	J1-12,AP-12							19	J1-12,AP-12			35	SS1-9,AP-MOXA-DI6			
																				19	AP-CCA-B,AP-9			
																					35	AP-CCA-9,AP-11		
																					50	AP-CCA-6,AP-MOXA-DI6		

271997 NS JPB 04/13/18			REV. TO SHEET		
268581 NS JPB 05/15/17			ECN NO.		
ISSUE					
BY			DATE		
PROJECT NAME:			DIAGRAM		
300 SERIES (H3M TS) 1PH 600-1200 AMPS					
"H" FRAME, MANUALLY OPERATED TS					
MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.					
ASCO	ASCO Power Technologies, L.P.	FLORHAM PARK, NEW JERSEY 07932 U.S.A.	SCALE 1:1	SIZE DS	COMPUTER GENERATED DRAWING
DRAWN BY	NS	DATE 05/15/17	ASSEM. REF. NO.	DWG. NO. 1190033	
CHECKED	JPB	DATE 05/15/17	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		ISSUE
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