

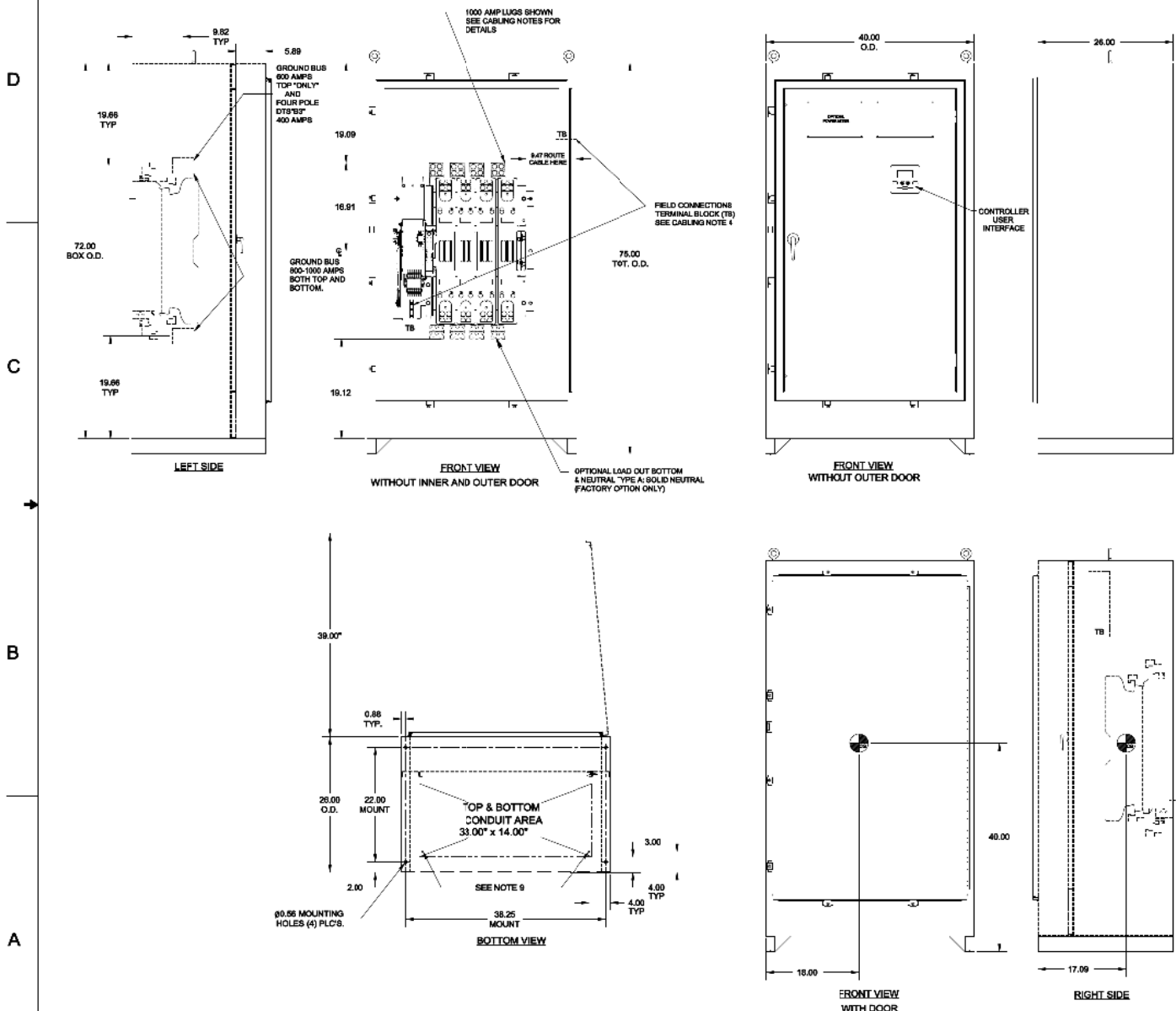


### Transfer Switch Details

#9	ATS	AMPS: 1200	QTY: 4
Product	: Series 300	Catalog Number	: H03ATSB31200NGXM
Service Voltage / Hz	: 480V/60Hz	Optional Accessories	: 11BE,44G
Bypass Isolation	: Not Applicable	Product Description	: 300 Series, Automatic Open Transition Transfer Switch
No. of Switched Poles: 4	: 4	Neutral Configuration	: Switched [B]
Withstand Rating:	: See WCR Table Below	No. of Cables & Lug Size	: 4, 1/0 AWG to 600 MCM
Frame = H, Switch Rating = 1200, Series = 300			
Enclosure	: 3R(M)-UL Type 3R secure double door enclosure (See Disclaimer 3)	Service	: Three Phase, 4-wire
Extended Warranty	: Not Included	Markings	:

#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it also enables: (1) 3-Phase Emergency Source VLL sensing (2) Phase Rotation Monitoring (3) Emergency Source VLL Unbalance Monitoring.
2	44G	Strip heater w/ thermostat, wired to load terminals: 208-600 volts

OUTLINE FOR ASCO SERIES 600-1000 AMPERE "H" FRAME (3ATS,3ACTS,3ADTS) FRONT CONNECTED TRANSFER SWITCHES TYPE 3R, 4, 4X, 12 SECURE ENCLOSURE



GENERAL NOTES

- TYPE BRANX12 ENCLOSURE, FREE STANDING, FLOOR MOUNTED, DDOE GAUGE CONSTRUCTION.
- DOOR HINGED ON RIGHT SIDE, DOOR CLAMPS AND LOCKABLE HASP ON LEFT SIDE.
- STANDARD FINISH TYPE BRANX12: ANSI 61 GRAY, POLYESTER POWDER STANDARD. TYPE 4X FINISH UNPAINTED BRUSHED STAINLESS STEEL. OTHER ANSI COLORS AVAILABLE CONSULT FACTORY.
- RECOMMENDED CLEARANCES:  
 FRONT: 40 INCHES  
 1. A 21% RATED GROUND BUS IS PROVIDED.  
 2. UNIT IS DESIGNED FOR COMBINATION TOP AND BOTTOM CABLE ENTRY. THE STANDARD SWITCH CONFIGURATION IS FOR TOP LUGS EMERGENCY AND LOAD AND BOTTOM LUGS NORMAL. OPTIONALLY, THE SWITCH MAY BE SUPPLIED WITH REVERSE NORMAL & EMERGENCY LUGS. (REFER TO THE WIRING DIAGRAM FURNISHED WITH EACH TRANSFER SWITCH TO DETERMINE TERMINATION POSITIONS).
- NEUTRAL CONFIGURATIONS:  
 AN OPTIONAL FULL RATED NEUTRAL CONFIGURATION FOR EACH SOURCE AND THE LOAD MAY BE PROVIDED, WHEN EQUIPPED IT IS IN ONE OF THE FOLLOWING FORMATS AS SPECIFIED BY THE CATALOG NUMBER NO. NEUTRAL TYPE:  
 (A) SOLID (COPPER BUS) NEUTRAL  
 (B) SWITCHED NEUTRAL POLE
- CENTER OF GRAVITY.
- REMOVE BOTTOM KNOCKOUTS FOR TYPE 3R.

CABLING NOTES

- ALL SIZES SUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS. (SEE AMP SIZE BELOW)  
 A. LUG MATERIAL: ALUMINUM ALLOY 6061-T6 WITH ELECTRO TIN PLATED FINISH.  
 B. SCREW MATERIAL: ALUMINUM ALLOY 6062-T6 WITH ELECTRO TIN PLATED FINISH.  
 C. UL LISTED, CSA CERTIFIED.  
 D. LUG SCREW TIGHTENING TORQUE PER UL 486B: 19 FT-LBS.  
 E. SUITABLE WIRE BENDING SPACE IS PROVIDED. (SEE AMP SIZE BELOW)  
 2. CONSULT FACTORY FOR OTHER TERMINATION REQUIREMENTS.  
 3. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS. (SEE AMP SIZE BELOW).  
 4. CUSTOMER TERMINAL BLOCKS:  
 FOR ALL 300 SERIES 3ADTS, 3ADTS UNITS THE TB WILL BE MOUNTED ON THE UPPER RIGHT INSIDE OF ENCLOSURE.  
 FOR ALL 3ATS AND 3NTS UNITS TB WILL BE MOUNTED ON THE TRANSFER SWITCH FRAME AS INDICATED.

NOTES 600 AMP SWITCHES

- SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD BUS STABS, ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF TWO (2) 1/2" 600MCM CU AL. CABLE.  
 A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO TWO (2) 600MCM CABLES PER TERMINAL PER NEC.  
 2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:  
 (6) 1/2" - 750MCM CU AL. CABLE CONNECTIONS.

NOTES 800-1000 AMP SWITCHES

- SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD BUS STABS, ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF FOUR (4) 1/2" 750MCM CU AL. CABLE.  
 A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO FOUR (4) 800MCM CABLES PER TERMINAL PER NEC.  
 2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:  
 (12) 1/2" - 750MCM CU AL. CABLE CONNECTIONS.

NOTES 400A (ADTS)"E3" 4 POLE ONLY

- GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:  
 (3) 1/2" - 250MCM CU AL. CABLE CONNECTIONS.

APPROXIMATE SHIPPING WEIGHT, LBS (KG)

SWITCH RATING (AMPS)	POLES	WEIGHTS LB (KG)
600,800	2	569 (258)
600,800	3	592 (269)
1000	2	581 (264)
1000	3	610 (277)
1000	4	639 (290)

B	27978	WN	SK	27978
A	27941	BD	FN	
	27941	TR	SK	
	27941	TR	SK	

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

OUTLINE: 300 SERIES 72x40x28

"H" FRAME 600-1000 AMP, TYPE 4X/12 SECURE ENCLOSURES

DATE: 07/19/18 BY: DJS

REVISION: 01/19/18 BY: BKS

PROJECT: 1001394-006

SCALE: 1/8" = 1'-0"

COMPUTER GENERATED DRAWING

1001394-006

1 OF 1

## GENERAL INFORMATION

### NON-AUTOMATIC (MANUAL) OPERATION

TRANSFER SWITCH ASSEMBLIES FACTORY SET FOR NON-AUTOMATIC OPERATION PROVIDE USER INITIATED, ELECTRICAL OPERATION OF THE TRANSFER SWITCH TO EITHER AVAILABLE SOURCE. THE TRANSFER SWITCH ASSEMBLY IS PHYSICALLY IDENTICAL TO THAT OF THE AUTOMATIC TYPE.

WHEN THE TRANSFER SWITCH IS SET FOR NON-AUTOMATIC OPERATION, A CUSTOMER PROVIDED SELECTOR SWITCH MAY BE USED TO OPERATE **1** FROM A REMOTE LOCATION.

### REMOTE CONTROL FEATURES

THE FOLLOWING CONTROL PANEL INPUTS PROVIDE REMOTE CONTROL FUNCTIONS FOR THE TRANS SWITCH. EACH FUNCTION CAN BE IMPLEMENTED BY THE CUSTOMER PROVIDING THE FORM OF CONTACT DESCRIBED. EACH CONTROL CONTACT MUST BE SUITABLE FOR A 5VDC LOW ENERGY CIRCUIT.

**EXTERNAL FEATURE 17: RE-NOTE TRANSFER TO EMERGENCY FEATURE FOR AUTOMATIC TRANSFER TYPE ONLY**—REQUIRES A CUSTOMER SUPPLIED, NORMALLY CLOSED CONTACT. OPENING OF THE CONTACT CAUSES ENGINE START AND TRANSFER TO THE EMERGENCY SOURCE. RE-CLOSURE OF THE CONTACT ACTIVATES THE FEATURE 3A "RETRANSFER TO NORMAL (IF JUST TEST) TIME DELAY PRIOR TO RETRANSFER. IN THE EVENT THAT THE EMERGENCY SOURCE FAILS WHILE THE TRANSFERSWITCH IS CONNECTED TO EMERGENCY AND THE CUSTOMER SUPPLIED CONTACT IS OPEN, THE TRANSFER SWITCH WILL AUTOMATICALLY RETRANSFER TO THE NORMAL SOURCE.

**EXTERNAL FEATURE 58: REMOTE BYPASS OF RETRANSFER TO NORMAL TIME DELAY** - REQUIRES A CUSTOMER SUPPLIED, NORMALLY CLOSED CONTACT. OPENING OF THE CONTACT BYPASSES FEATURE 3A RETRANSFER TO NORMAL DELAY IF ACTIVE.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR SETTING INFORMATION.

POWER SUPPLY IS USEFUL WHEN REQUIRED TO EXTEND THE FOLLOWING  
TESTS BEYOND 6 SECONDS;

FEATURE 1C - OVERRIDE MOMENTARY NORMAL SOURCE OUTAGES  
FEATURE 1F - OVERRIDE MOMENTARY EMERGENCY SOURCE OUTAGES

AN EXTERNAL POWER SUPPLY IS ALSO USEFUL WHEN THE TRANSFER SWITCH IS USED WITH COMMUNICATIONS FEATURES BY ENABLING THE CONTROLLER TO CONTINUE COMMUNICATING.

AN EXTERNAL POWER SOURCE MAY BE PROVIDED TO THE CONTROLLER, UNTIL THE NORMAL SOURCE OR EMERGENCY SOURCE IS AVAILABLE, BY USE OF;

- AN EXTERNAL 24 VDC POWER SUPPLY WITH ACCESSORY 18RX (RELAY EXPANSION MODULE) OR
- OPTIONAL ACCESSORY 1UP (UNINTERRUPTIBLE POWER SUPPLY MODULE)

AN EXTERNAL 24 VDC POWER SUPPLY MAY BE USED TO POWER THE CONTROLLER WHEN ACCESSORY 11RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "DP2" WILL PROVIDE EXTERNAL 14 VDC POWER SUPPLY FUNCTIONALITY WHEN ITS FEATURE SETTING IS SET TO OPERATE AS "1G". ADDITIONALLY, JUMPERS MUST BE RECONFIGURED ON ACCESSORY 18RX (RELAY EXPANSION MODULE) TO ENABLE THIS FUNCTION AS FOLLOWS:

REMOVE JUMPERS \*J1\* 1-2 & \*J1\* 3-4  
CONNECT JUMPERS \*J1\* 5-7 & \*J1\* 6-8

THE OUTPUT CONTACTS CHANGE POSITION WHEN EITHER THE NORMAL SOURCE OR EMERGENCY SOURCE IS AVAILABLE AND RESET WHEN NEITHER SOURCE IS AVAILABLE. THE "OP2" NC CONTACT SWITCHES CUSTOMER PROVIDED +24 VDC FROM THE EXTERNAL POWER SUPPLY TO THE CONTROLLER.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR SETTING INFORMATION.

ACCESSORY 1UP (UNINTERRUPTIBLE POWER SUPPLY):  
WHEN OPTIONAL ACCESSORY 1UP IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY, THE CONTROLLER  
IS PROVIDED WITH LIMITED RESERVE POWER (APPROXIMATELY 3 MINUTES).

WHEN OPTIONAL ACCESSORY 23GB IS PART OF THE TRANSFER SWITCH ASSEMBLY, THREE PHASE CURRENT MEASUREMENTS ARE AVAILABLE FOR DISPLAY ON THE GROUP 3 CONTROLLER.

REFER TO USER'S GUIDE, ASCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 381333-400 FOR INFORMATION ON USE.

WHEN OPTIONAL ACCESSORY 11BE IS PART OF THE TRANSFER SWITCH ASSEMBLY, AN ADVANCED-FUNCTION SOFTWARE BUNDLE IS AVAILABLE TO PERFORM THE FOLLOWING FUNCTIONS:

- SERIAL COMMUNICATIONS (RS-485)
- PROGRAMMABLE ENGINE EXERCISER
- EVENT LOG
- COMMON ALARM SIGNAL CAPABILITY ON 6R0UP G CONTROLLER \*OP1\* OUTPUT.

- 3 PHASE EMERGENCY SOURCE SENSING.
- PHASE ROTATION SENSING.
- EMERGENCY VOLTAGE UNBALANCE SENSING.

REFER TO USER'S GUIDE, ABCO GROUP G CONTROLLER FOR AUTOMATIC & NON-AUTOMATIC TRANSFER SWITCHES, PART NUMBER 38133-400 FOR INFORMATION ON THESE FUNCTIONS.

CONNECTED TO NORMAL SOURCE.  
IS ARE IN ACCORDANCE WITH NEMA PUB. ICS 1, PART  
UNPAID COPPER UNLESS OTHERWISE INDICATED.  
IN POINTS.  
WITH CUSTOMER CONNECTIONS AND FACTORY CONNECTIONS  
IN CONNECTION POINT.  
ON THE BACK INSIDE SURFACE OF THE ENCLOSURE.  
INTERNAL ACCESSORIES ARE MOUNTED ON THE INSIDE  
EQUIPPED WITH EACH AUTOMATIC  
PUBLICATION PRIOR TO INSTALLATION AND  
IS AFFIXED TO CHASSIS (ENCLOSURE)  
MOUNTING STUD.

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	CATALOG TYPE	NEUTRAL TYPE	VOLTAGE CODES PREFERRED AND SECONDARY		ENCLOSURE CODES					
									CODE DESCRIPTION	CODE	SOLID	NOMINAL VOLTAGE	CODE	TYPE	DESCRIPTION			
					C D E F H			G H J K L M N P Q R	SATS AUTOMATIC UNITS	A B	B	BLANK	C 1		OPEN TYPE (NO ENCLOSURE)			
												E 208	E 2		GENERAL PURPOSE, INDOOR			
											F 230	F 3R	F 2		INDOOR, WATER & DUST RESISTANT			
											E 230	E 3	D 4		OUTDOOR, RAINFOOF, SLEET & ICE RESISTANT			
											F 240	H 4X	H 4		INDOOR/OUTDOOR, WATERTIGHT & DUSTTIGHT			
												J 380	K 7		TYPE A PLUS CORROSION RESISTANCE (STAINLESS STEEL)			
											J 400	L 12	L 12		TYPE A PLUS CORROSION RESISTANCE (FIBERGLASS)			
											K 416	K 7	K 7		EXPLOSION PROOF			
											L 440	L 12	L 12		INDOOR, INDUSTRIAL ENVIRONMENTS, OILTIGHT & DUSTTIGHT			
											M 480	M 3R	M 3R		(SECURE ENCLOSURES)			
											N 480	N 4	N 4		OUTDOOR, RAINFOOF, SLEET & ICE RESISTANT			
											O 550	P 12	P 12		INDOOR/OUTDOOR, WATERTIGHT & DUSTTIGHT			
											Q 575	Q 12	Q 12		TYPE A PLUS CORROSION RESISTANCE (STAINLESS STEEL)			
											R 800				INDOOR, INDUSTRIAL ENVIRONMENTS, OILTIGHT & DUSTTIGHT			

CATALOG NUMBER  
**ASCO**® CERTIFIED TO  
S.A.

BY \_\_\_\_\_  
DATE \_\_\_\_\_

DATE \_\_\_\_\_

FORM REV 3

PROJECT NAME:

## WIRING

300 SERIES (H)

74" FRAME, GR

BY	
CLASS-BY	DID

000000 BK

PROJECT APPROVAL	BK
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**FINAL  
APPROVAL**

MANUFACTURED TO YOUR PRINTING TO BE IN  
ACCOMPANION WITH THESE PROCEDURES MP-1-101.  
FOR PLATING: PAPER 100 MP-1-101

ASCO, INC. INC.

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COMPUTER GENERATED DRAWING

SCALE 1/8" = 1" SIZE DS

DATE 1/83

1001657

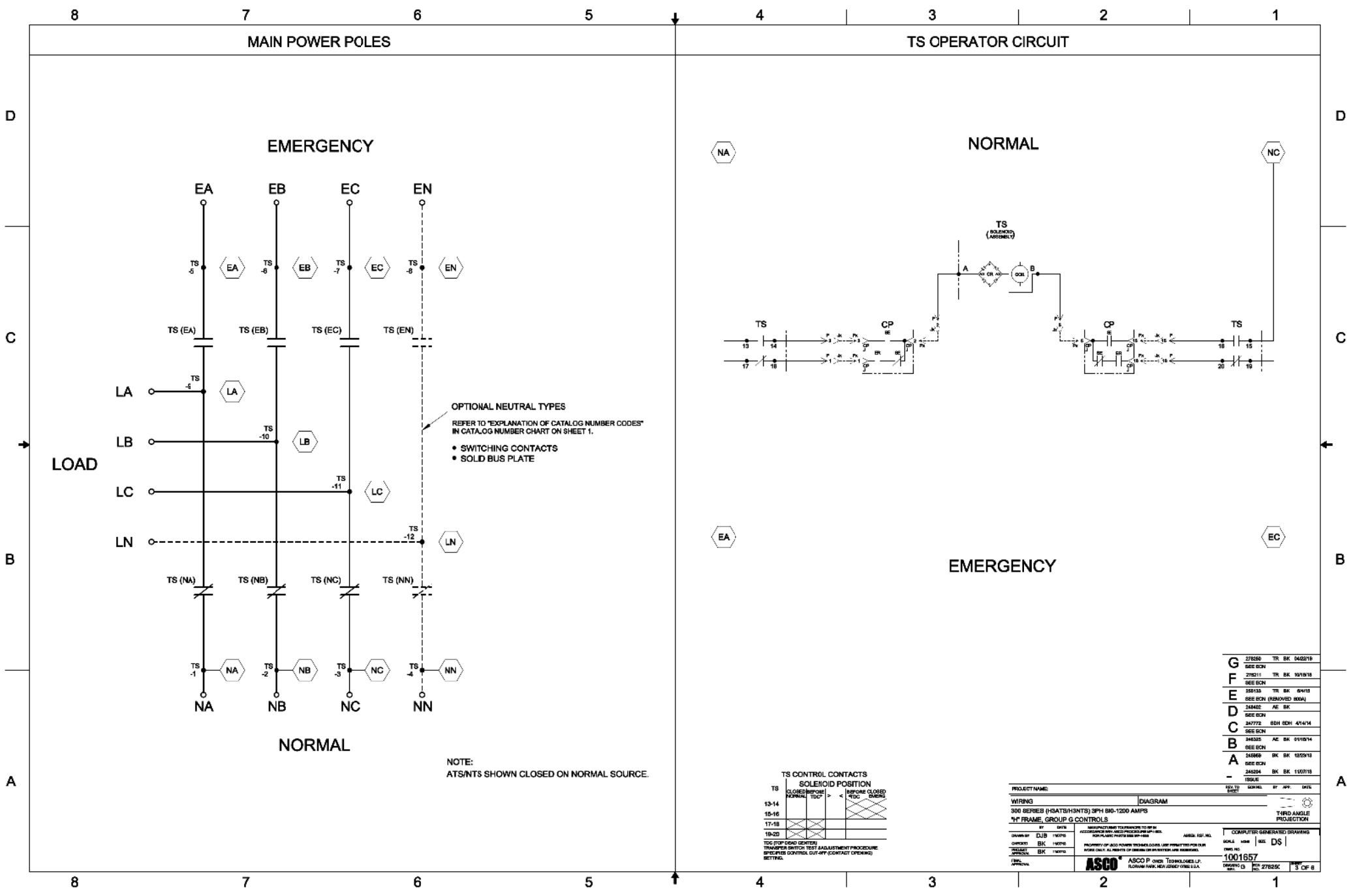
ASCO POWER TECHNOLOGIES, INC.  
FLORHAM PARK, NEW JERSEY 07931

DRAWING NO. FOR 2728.052

ISSUED BY

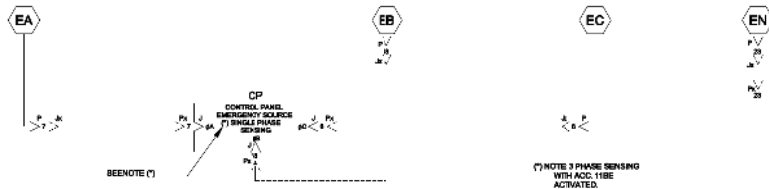
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# EMERGENCY SOURCE CIRCUITS

## EMERGENCY



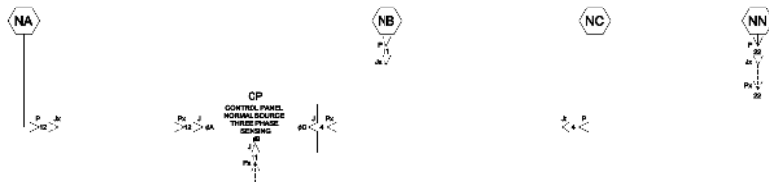
# LOAD TERMINAL CIRCUITS

## LOAD

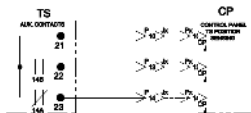


# NORMAL SOURCE CIRCUITS

## NORMAL

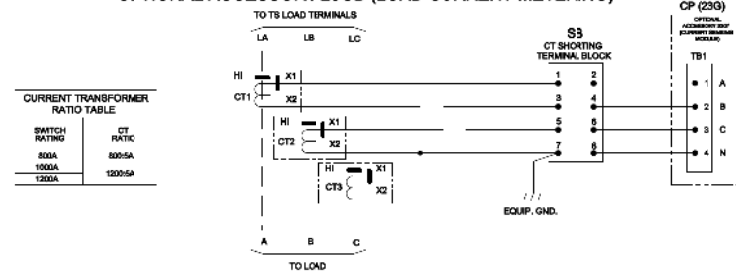


# CONTROL CIRCUITS



# ADDITIONAL CIRCUITS

## OPTIONAL ACCESSORY 23GB (LOAD CURRENT METERING)



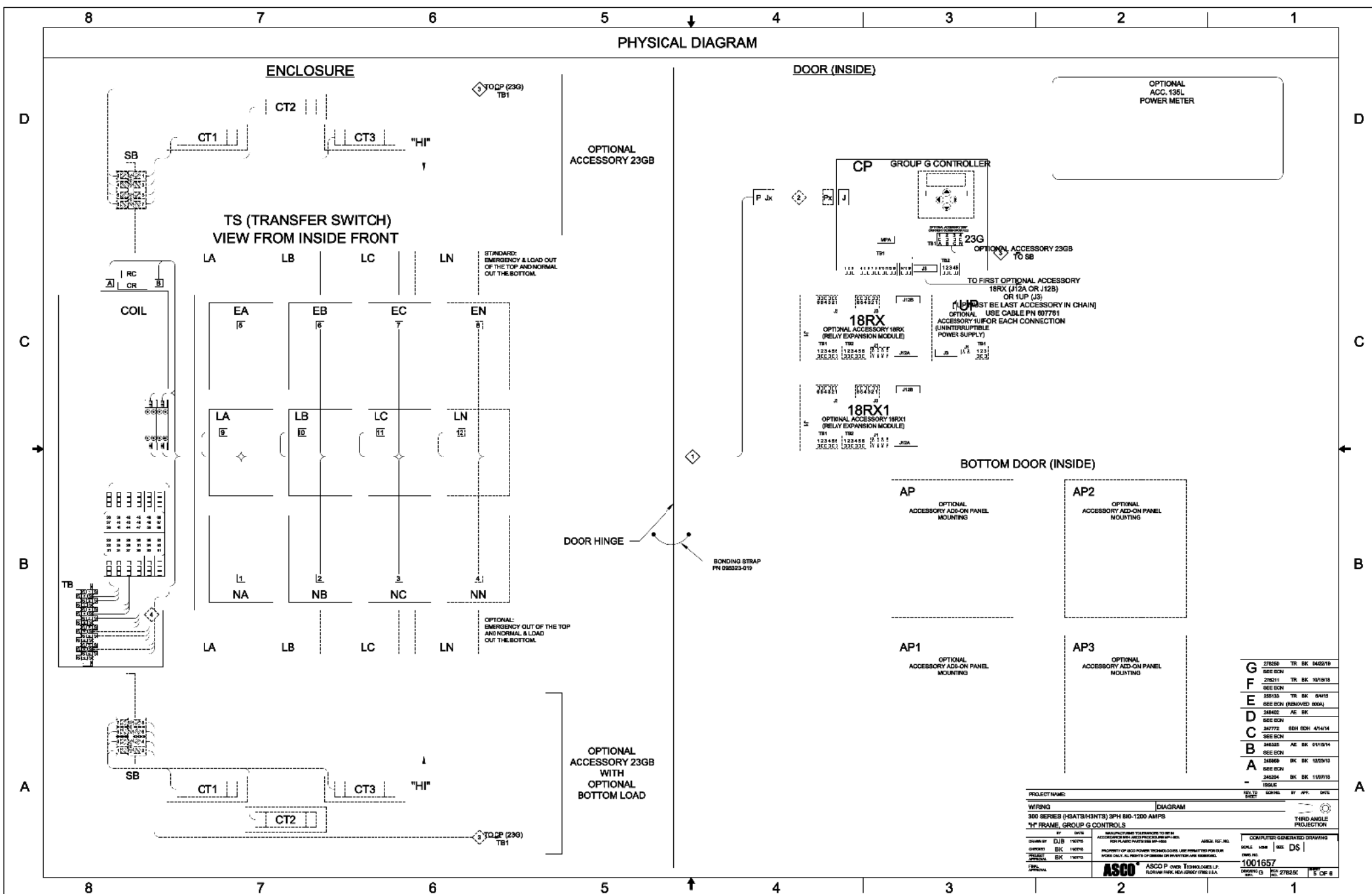
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F	276211	TR	SK	10/18/19
E	285124	TR	SK	04/10/20
D	284402	AE	SK	
C	247772	SDH	SKH	4/14/24
B	246335	AE	SK	01/10/24
A	246669	SK	SK	10/20/19
	246334	SK	SK	10/20/19
	185646			

PROJECT NAME	REL TO	DATE	BY	APP	DATE
WIRING	DIAGRAM				
300 SERIES (H4ATS/H4NTS) SPH 800-1200 AMPS					
"H" FRAME, GROUP G CONTROLS					
BY	DATE	MANUFACTURED TO PERFORM TO SPEC			
DESIGNED BY	DATE	ASSEMBLED BY: SEE FIELD TO PERFORM			
CHECKED BY	DATE	FOR PLANT: SEE SPEC			
APPROVED BY	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, LLC. NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM ASCO POWER TECHNOLOGIES, LLC.			
COMPUTER GENERATED DRAWING		SCALE: 1/8" = 1"			
DWG. NO. 1001657		REV. NO. 1			
ISSUED BY: ASCO		REV. NO. 1			
REV. NO. 1		REV. NO. 1			

ASCO

ASCO POWER TECHNOLOGIES, LLC  
FLOORING PAPER, NEW JERSEY, U.S.A.

REV. NO. 1  
REV. NO. 1



5                      ↓

HARNESSE LOCATOR		DATE INITIALED	DATE RECEIVED
WIRE NO.	HARNESSES 1739082 (P) MAIN TS	CLR	AWG
1	17-15-TB-16		16
2	6 P-2,TS-A		
3	3 P-1,TS-B-14		
4	17-14-TB-3		
5	4 TB-3,TS-B-15		
6	6 P-5,TS-B		
7	6 P-6,TS-7		
8	6 TS-7,TS-19		
9	7 TS-7,TS-9		
10	7 TS-5,TS-17		
11	6 P-6,TS-B		
12	8 TS-24,TS-B-1		
13	6 P-6,TS-B		
14	9 TS-26,TS-B-2		
15	10 P-10,TS-21		
16	11 P-11,TS-2		
17	12 P-12,TS-3		
18	13 TS-15,TS-18		
19	14 P-13,TS-22		
20	14 P-14,TS-23		
21	16 P-15,TS-16		
22	18 P-16,TS-20		
23	17 P-17,TS-3		
24	18 P-18,TS-4		
25	19 P-19,TS-4		
26	20 P-20,TS-10		
27	21 P-21,TS-41		
28	22 P-22,TS-4		
29	23 P-23,TS-19		
30	24 P-24,TS-42		
31	26 TS-27,TS-A		
32	28 TS-28,TS-B		
33	27 TS-29,TS-B		
ADD WIRES			
34	31 TS-30,TS-B-7		
35	32 TS-31,TS-B-6		
36	33 TS-32,TS-B-9		

HARNESS LOCATOR		DISCONNECT PULL HERE	7
WIRE	HARNESS 300020-000		CLR. AMPL
1	1 P4-1, Jc-1		18
2	2 P4-2, Jc-2		
3	3 P4-3, Jc-3		
4	4 P4-4, Jc-4		
5	5 P4-5, Jc-5		
6	6 P4-6, Jc-6		
7	7 P4-7, Jc-7		
8	8 P4-8, Jc-8		
9	9 P4-9, Jc-9		
10	10 P4-10, Jc-10		
11	11 P4-11, Jc-11		
12	12 P4-12, Jc-12		
13	13 P4-13, Jc-13		
14	14 P4-14, Jc-14		
15	15 P4-15, Jc-15		
16	16 P4-16, Jc-16		
17	17 P4-17, Jc-17		
18	18 P4-18, Jc-18		
19	19 P4-19, Jc-19		
20	20 P4-20, Jc-20		
21	21 P4-21, Jc-21		
22	22 P4-22, Jc-22		
23	23 P4-23, Jc-23		
24	24 P4-24, Jc-24		
REMOVE WIRES			
ADD WIRES			

[illegible][illegible]

WIRE No.	ADDITIONAL WIRES	CLR	AW
			18

G	278260	TR	BK	04/22/18
	SEE ECRN			
F	278211	TR	BK	10/18/18
	SEE ECRN			
E	355133	TR	BK	04/15
	SEE ECRN (REMOVED 800A)			
D	248402	AE	BK	
	SEE ECRN			
C	247772	SDH	SDH	4/14/14
	SEE ECRN			
B	246325	AE	BK	01/15/14
	SEE ECRN			
A	246666	BK	BK	12/29/13
	SEE ECRN			
-	245254	BK	BK	11/07/13
	1804UE			

PROJECT NAME:	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <b>DIAGRAM</b> </div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;">             REV. 12           </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">             SERIAL           </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">             BY: APL           </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">             DATE           </div>
WIRING						
300 SERIES (HSAT3/HINT3) 3PH 600-1200 AMPS						
"I" FRAME, GROUP G CONTROLS						
<div style="border: 1px solid black; padding: 2px; display: inline-block;">             DRAWN BY:           </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">             BY:           </div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;">             TYPED AND PROJECTED           </div>			
*SEE NOTE ON P. 12 FOR PROCEEDING AND REVISIONS						
<div style="border: 1px solid black; padding: 2px; display: inline-block;">             CHECKED BY:           </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">             BK           </div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;">             ASICO (REV. 10-1)           </div>			
*PROPERTY OF AMERICAN TROUBLE SHOOT LIMITED FOR YOUR INFORMATION. NO REUSE OF CONTENTS OF THIS DRAWING WITHOUT PERMISSION.						
<div style="text-align: center;"> <b>ASCO</b> </div>						
ASCO POWER TECHNOLOGIES, L.P. 11000 HWY. 100, SUITE 200, DALLAS, TX 75243						
<div style="text-align: right;"> <b>1001657</b> </div>						
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<div style="border: 1px solid black; padding: 2px; display: inline-block;">             CHECKED BY:           </div>			<div style="border: 1px solid black; padding: 2px; display: inline-block;">             BK           </div>			
<div style="border: 1px solid black; padding: 2px; display: inline-block;">             DATE:           </div>			<div style="border: 1px solid black; padding: 2px; display: inline-block;">             10-1           </div>			