

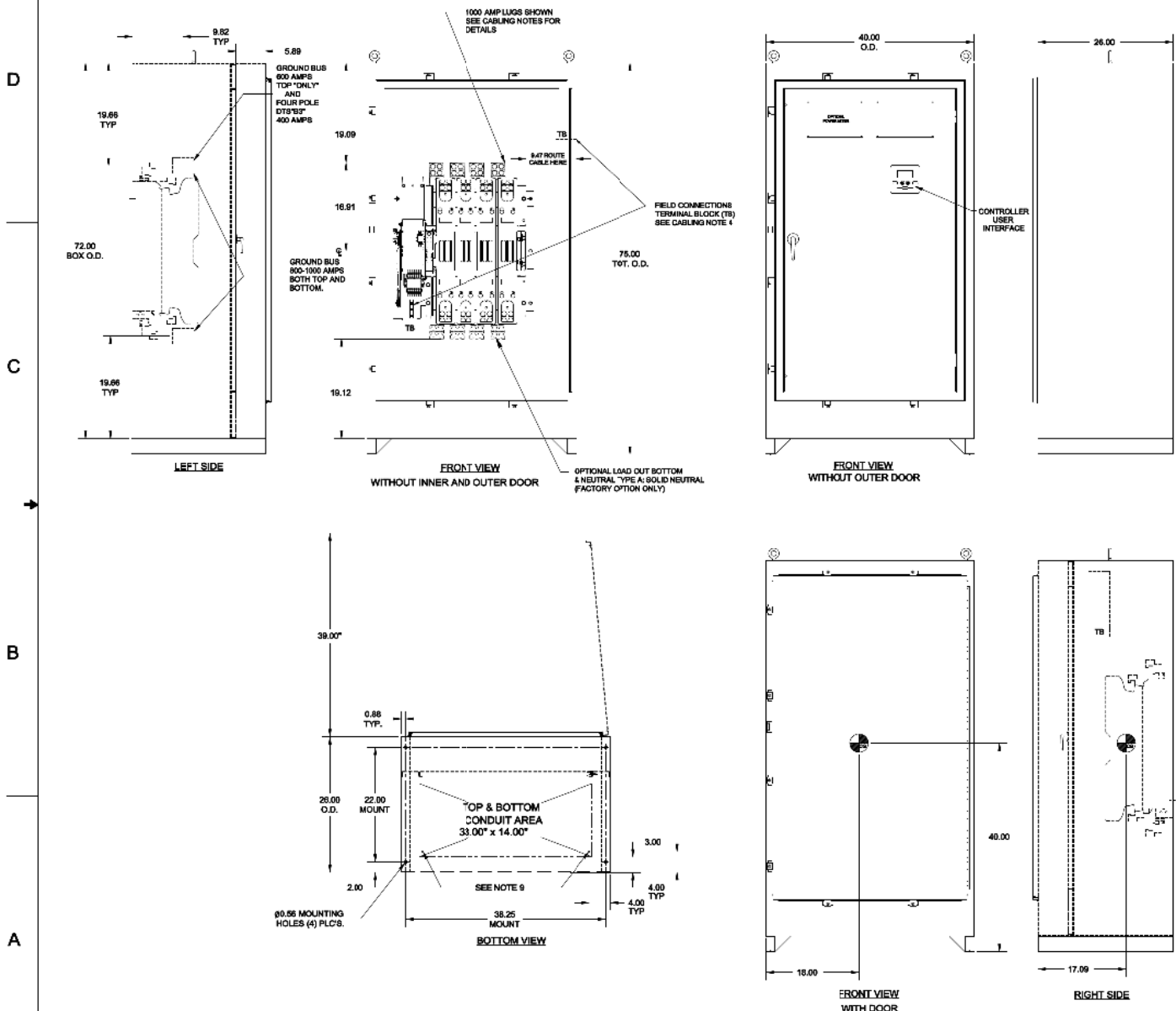
Transfer Switch Details

Transfer Switch Details

#12	ATS	AMPS: 0800	QTY: 4
Product	: Series 300	Catalog Number	: H03ATSB30800NGXM
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 = 0800, 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 3R/4X/12 ENCLOSURE, FREE STANDING, FLOOR MOUNTED, DODGE GAUGE CONSTRUCTION.
- DOOR HINGED ON RIGHT SIDE, DOOR CLAMPS AND LOCKABLE HAMP ON LEFT SIDE.
- STANDARD FINISH TYPE 3R/4X/12: 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.

CABLEING 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:
 (1) 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:
 (1) 1/2" - 750MCM CU/AL CABLE CONNECTIONS.

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

- GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:
 (1) 1/2" - 750MCM 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: 01/15/2019
 DRAWN BY: DLS
 CHECKED BY: BK
 PROJECT APPROVAL: BK

MANUFACTURED TO SPECIFICATIONS OF THE NATIONAL ELECTRICAL MANUFACTURING ASSOCIATION (NEMA) AND THE INTERNATIONAL ELECTRICITY CONSTRUCTION CODE (IECC).
 PROPERTY OF ASCO POWER TECHNOLOGIES, INC. ALL RIGHTS RESERVED.
 NORE ONLY ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

COMPUTER GENERATED DRAWINGS
 SCALE: 1/8" = 1'-0"
 DWG. NO.: 1001394-006
 SHEET: 1 OF 1

ASCO
 ASCO POWER TECHNOLOGIES, INC.
 FLOORING: 100% RECYCLED STEEL

THREE PHASE WIRING FOR ASCO 300 SERIES TRANSFER SWITCHES TYPES H3ATS & H3NTS RATED 800, 1000 & 1200 AMPERES

GENERAL INFORMATION

COMMON ALARM & NOT IN AUTO SIGNALING FEATURES

A SET OF FORM C CONTACTS IS PROVIDED ON THE GROUP G CONTROLLER AS "OP1". THE FEATURE SETTING OF "OP1" CAN BE SET TO OPERATE THE CONTACTS AS A "NOT IN AUTO" SIGNAL.

WHEN "OP1" IS SET TO "NOT IN AUTO", THE OUTPUT CONTACTS CHANGE POSITION WHEN THE TRANSFER IS BEING INHIBITED FROM TRANSFERRING TO THE EMERGENCY SOURCE (FEATURE 348) OR THE TRANSFER SWITCH HAS BEEN SET FOR NON-AUTOMATIC (MANUAL) OPERATION.

WHEN OPTIONAL ACCESSORY 11B "SOFTWARE BUNDLE" IS PART OF THE TRANSFER SWITCH ASSEMBLY, "OP1" MAY ALTERNATIVELY BE SET FOR A "COMMON ALARM" SIGNAL. THE OUTPUT CONTACTS CHANGE POSITION WHEN A "COMMON ALARM" IS NOT PRESENT AND RESET WHEN A "COMMON ALARM" CONDITION IS PRESENT. THE "COMMON ALARM" SIGNAL CONDITIONS ARE SELECTABLE.

ADDITIONAL "COMMON ALARM" AND "NOT IN AUTO" CONTACTS ARE AVAILABLE WHEN OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "OP2 AND/OR OP3" WILL PROVIDE SIGNAL FUNCTIONS WHEN THE FEATURE SETTING OF EACH IS SET TO OPERATE AS "COMMON ALARM" OR "NOT IN AUTO".

CONTACTS ARE RATED 5 AMPS RESISTIVE AT 30 VDC MAXIMUM, 100 mA AT 5 VDC MINIMUM.

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

EXTERNAL POWER SUPPLY COMPATIBILITY

USE OF AN EXTERNAL POWER SUPPLY IS USEFUL WHEN REQUIRED TO EXTEND THE FOLLOWING CONTROLLER TIME DELAYS 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)

EXTERNAL 24 VDC POWER SUPPLY "1C"

AN EXTERNAL 24 VDC POWER SUPPLY MAY BE USED TO POWER THE CONTROLLER WHEN ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "OP2" AND/OR "OP3" WILL PROVIDE EXTERNAL 24 VDC POWER SUPPLY FUNCTIONALITY WHEN THEIR FEATURE SETTING IS SET TO OPERATE AS "1C". 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" AND/OR "OP3" 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).

LOAD CURRENT METERING

WHEN OPTIONAL ACCESSORY 230B IS PART OF THE TRANSFER SWITCH ASSEMBLY, THREE PHASE CURRENT MEASUREMENTS ARE AVAILABLE FOR DISPLAY ON THE GROUP G CONTROLLER.

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

ADVANCED FUNCTION SOFTWARE BUNDLE

WHEN OPTIONAL ACCESSORY 11B 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 GROUP G CONTROLLER "OP1" OUTPUT.

Ø PHASE SENSING ONLY)
- Ø PHASE EMERGENCY SOURCE SENSING.
- Ø PHASE ROTATION SENSING.
- EMERGENCY VOLTAGE UNBALANCE SENSING.

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

NON-AUTOMATIC (MANUAL) OPERATION

TRANSFER SWITCH ASSEMBLY 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 IT FROM A REMOTE LOCATION.

REMOTE CONTROL FEATURES

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

EXTERNAL FEATURE 1F: REMOTE 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 TRANSFER SWITCH IS CONNECTED TO EMERGENCY AND THE CUSTOMER SUPPLIED CONTACT IS OPEN, THE TRANSFER SWITCH WILL AUTOMATICALLY RETRANSFER TO THE NORMAL SOURCE.

EXTERNAL FEATURE 3B: 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 & ACTIVE.

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

ENGINE CONTROL CONTACTS

ONE SET OF FORM C CONTACTS "N1" (N1C, FEAT 7 & N1D) THAT CHANGE POSITION ON EXPIRATION OF THE FEATURE 1C, OVERRIDE MOMENTARY NORMAL SOURCE OUTAGES TIME DELAY, AND RESET ON EXPIRATION OF THE FEATURE 2E ENGINE COOLDOWN TIME DELAY.
AN AUXILIARY CONTACT THAT IS CLOSED WHEN THE TRANSFER SWITCH IS CONNECTED TO THE EMERGENCY SOURCE, IS CONNECTED ACROSS THIS NC CONTACT (FEATURE 7).

AN ADDITIONAL SET OF ENGINE STARTING CONTACTS ARE AVAILABLE ON THE GROUP G CONTROLLER WHEN THE FEATURE SETTING OF THE CONTROLLER OUTPUT CONTACTS "OP1" IS SET TO OPERATE AS "N1C".

ADDITIONAL, OPTIONAL ENGINE STARTING CONTACTS "N2" ARE AVAILABLE WHEN OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "OP2" AND/OR "OP3" PROVIDE THE ENGINE STARTING FUNCTION WHEN THE FEATURE SETTING OF EACH IS SET TO OPERATE AS "N2C".

CONTACTS ARE RATED 5 AMPS RESISTIVE AT 30 VDC MAXIMUM, 100 mA AT 5 VDC MINIMUM.

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

LOAD DISCONNECT FEATURE

FEATURE 31: INCLUDES SUB-FEATURES 31F, 31G, 31M, 31N
A SET OF FORM C CONTACTS ARE PROVIDED ON THE GROUP G CONTROLLER AS "OP1". WHEN THE FEATURE SETTING OF "OP1" IS SET TO OPERATE THE CONTACTS AS FEATURE 31, THE TIME DELAY SETTINGS OF THE SUB-FEATURES ARE AVAILABLE.

"OP1" CAN BE SET TO OPERATE TO PROVIDE THE FOLLOWING FUNCTIONS USING THE TIME DELAY SETTINGS ASSOCIATED WITH EACH SUB-FEATURE:

- 31F - NORMAL TO EMERGENCY PRE-TRANSFER SIGNAL
- 31G - EMERGENCY TO NORMAL PRE-TRANSFER SIGNAL
- 31M - NORMAL TO EMERGENCY POST-TRANSFER SIGNAL
- 31N - EMERGENCY TO NORMAL POST-TRANSFER SIGNAL

THE "OP1" OUTPUT CONTACTS CHANGE POSITION FOLLOWING EACH OF THE ABOVE TIME DELAYS.

ADDITIONAL LOAD DISCONNECT CONTACTS, "FEATURE 31" ARE AVAILABLE WHEN OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "OP2 AND/OR OP3" WILL PROVIDE LOAD DISCONNECT FUNCTIONS WHEN THE FEATURE SETTING OF EACH IS SET TO OPERATE AS "FEATURE 31".

ALL OUTPUT CONTACTS "OP1", "OP2", "OP3" SET TO OPERATE AS "FEATURE 31", SHARE THE COMMON TIME DELAY SETTINGS OF SUB-FEATURES 31F, 31G, 31M, AND 31N.

CONTACTS ARE RATED 5 AMPS RESISTIVE AT 30 VDC MAXIMUM, 100 mA AT 5 VDC MINIMUM.

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

INPHASE TRANSFER FEATURE FOR LOAD TRANSFER

INPHASE TRANSFER CONTROL INITIATES AN INPHASE TRANSFER OF LOADS BETWEEN LIVE SOURCES. THIS IS USED TO PREVENT UNDESIRABLE TRIPPING OF DISTRIBUTION CIRCUIT BREAKERS AND POSSIBLE DAMAGE TO MECHANICAL LOADS ASSOCIATED WITH OUT OF PHASE TRANSFER.

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

SOURCE AVAILABILITY SIGNALS

SIGNALS INDICATING THE AVAILABILITY OF THE NORMAL & EMERGENCY SOURCES IS PROVIDED WHEN OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE) IS INCLUDED IN THE TRANSFER SWITCH ASSEMBLY. OUTPUT CONTACTS "N1" (EMERGENCY SOURCE AVAILABLE) AND "N1P" (NORMAL SOURCE AVAILABLE) CHANGE POSITION WHEN THE SOURCE IS ACCEPTABLE.

CONTACTS ARE RATED 5 AMPS RESISTIVE AT 30 VDC MAXIMUM, 100 mA AT 5 VDC MINIMUM.

NOTES

1. SWITCH SHOWN DE-ENERGIZED CONNECTED TO NORMAL SOURCE.
2. DEVICE SYMBOLS AND DESIGNATIONS ARE IN ACCORDANCE WITH NEMA PUB. ICS 1, PART 5-101A.
3. ALL WIRING IS #18 AWG TINNED, STRANDED COPPER UNLESS OTHERWISE INDICATED.
4. INDICATED CUSTOMER CONNECTION POINTS.
5. INDICATED FACTORY CONNECTION POINTS.
6. CONNECTION POINTS THAT HAVE BOTH CUSTOMER CONNECTIONS AND FACTORY CONNECTIONS ARE SHOWN ONLY AS CUSTOMER CONNECTION POINTS.
7. THE TRANSFER UNIT IS MOUNTED ON THE BACK INSIDE SURFACE OF THE ENCLOSURE. THE CONTROL PANEL AND ANY OPTIONAL ACCESSORIES ARE MOUNTED ON THE INSIDE SURFACE OF THE DOOR.
8. AN OPERATOR'S MANUAL IS FURNISHED WITH EACH AUTOMATIC TRANSFER SWITCH. REFER TO THIS PUBLICATION PRIOR TO INSTALLATION AND OPERATION OF THE SWITCH.
9. GROUND STRAP ON CONTROL PANEL IS AFFIXED TO CHASSIS (ENCLOSURE) AT LOWER LEFT CONTROL PANEL MOUNTING STUD.

CATALOG NUMBER
CERTIFIED TO
ASCO S.O.

BY _____
DATE _____

FORM REV G

PROJECT NAME: _____

WIRING _____

300 SERIES (H3ATS/H3NTS) SPH 800-1200 AMP

"H" FRAME, GROUP G CONTROLS

BY _____
DATE _____

DESIGNED BY _____
CHECKED BY _____
APPROVED BY _____

ASCO P. OVER TECHNOLOGIES L.P.
FLORENCE, TEXAS 75044

27829C

1 OF 8

G 27829C TR BK 04/2019

F 278211 TR BK 10/18/18

E 385133 TR BK 04/18

D 385133 TR BK 04/18

C 347772 BSH SCH 4/14/14

B 347772 BSH SCH 4/14/14

A 347772 BSH SCH 4/14/14

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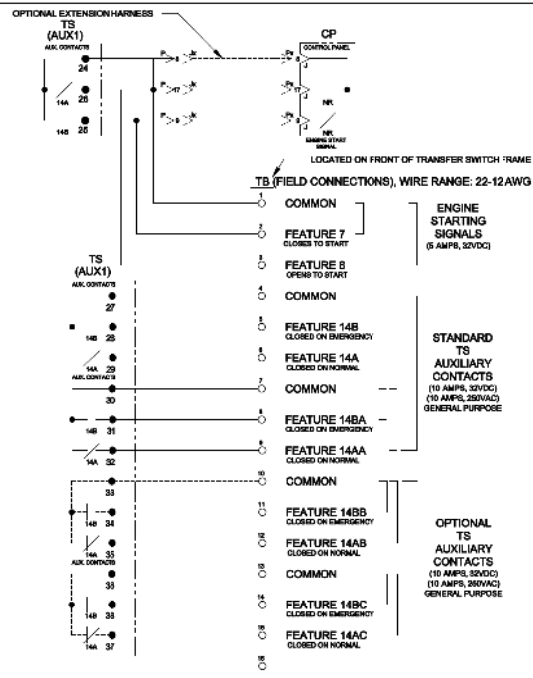
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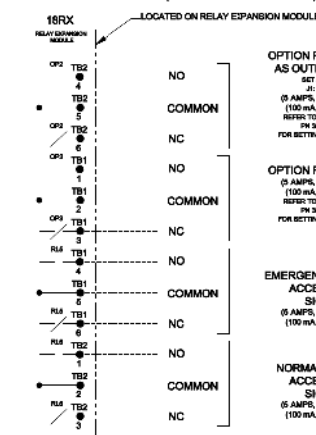
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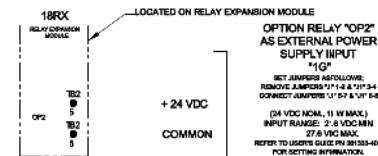
FIELD CONNECTIONS



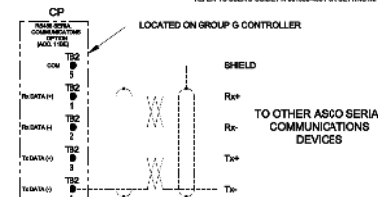
OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE)



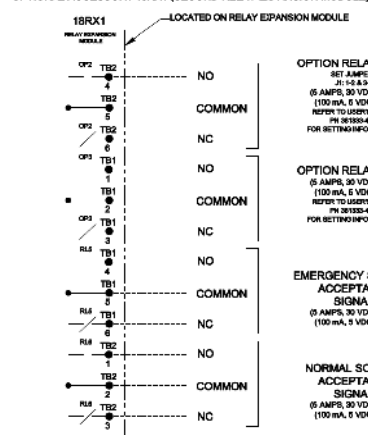
"OP2" OPTIONAL USES



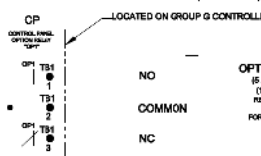
RS485 SERIAL COMMUNICATIONS OPTION



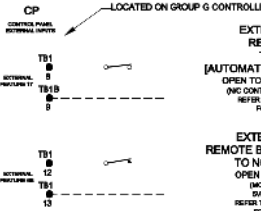
OPTIONAL ACCESSORY 18RX1 (SECOND RELAY EXPANSION MODULE)



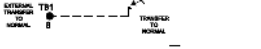
CONTROLLER OPTION RELAY "CP1" (STANDARD)



CONTROLLER REMOTE CONTROL FEATURES



EXTERNAL MANUAL TRANSFER REMOTE TRANSFER TO NORMAL OR EMERGENCY [NON-AUTOMATIC TRANSFER TYPE ONLY]



G	27526	TR	SK	042519
F	27521	TR	SK	101818
E	28513	TR	SK	041015
D	28442	AE	SK	
C	24772	SDH	SKH	471474
B	24635	AE	SK	010174
A	24669	SK	SK	152513
	24635	AE	SK	152513
	18546			

PROJECT NAME: _____

WIRING: _____

300 SERIES (H&S/HS/NTS) SPH 800-1200 AMPS

"H" FRAME, GROUP G CONTROLS

DATE: _____

BY: _____

CHECKED: _____

DESIGNED: _____

APPROVED: _____

COMPUTER GENERATED DRAWINGS

SCALE: _____

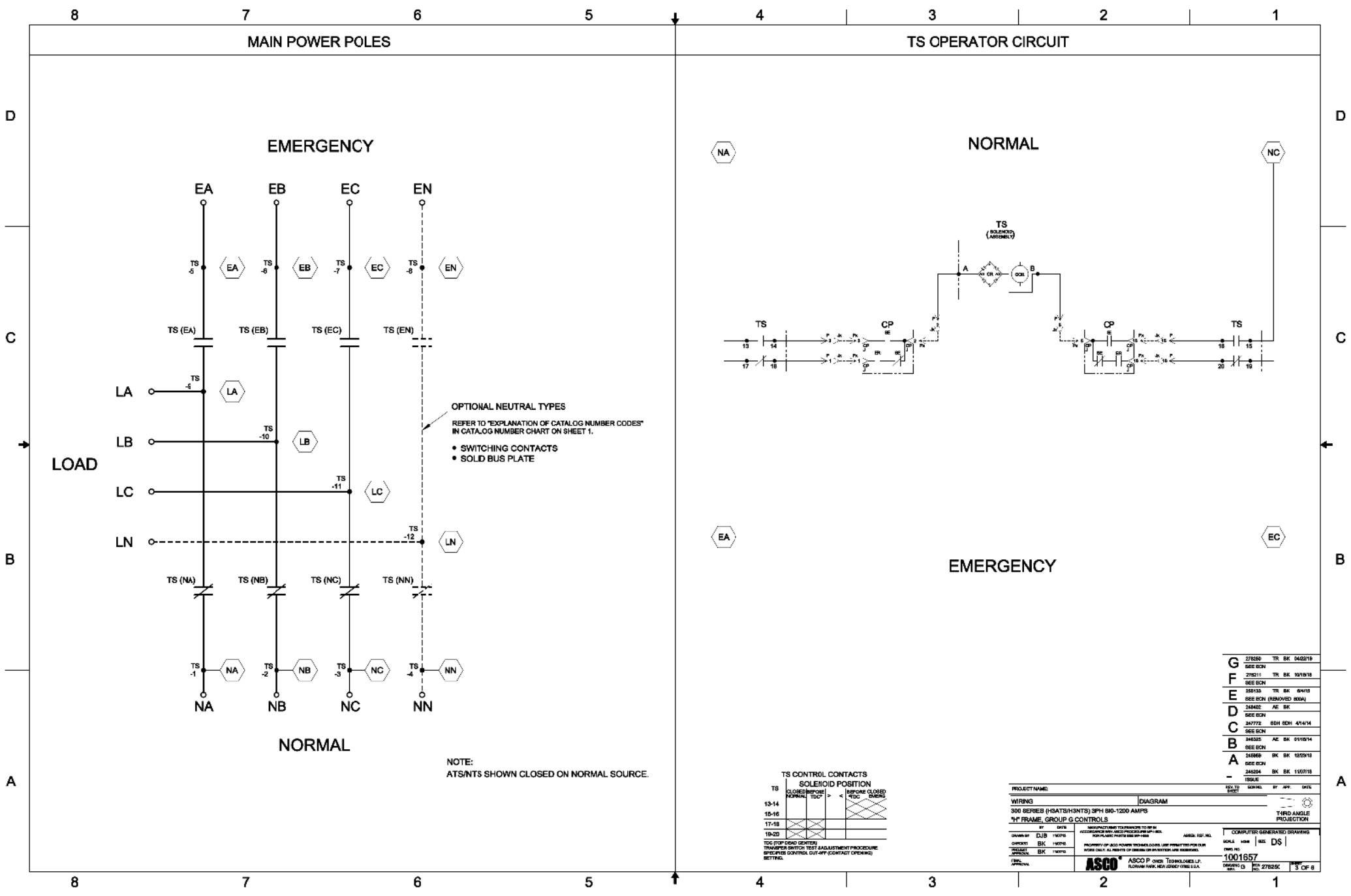
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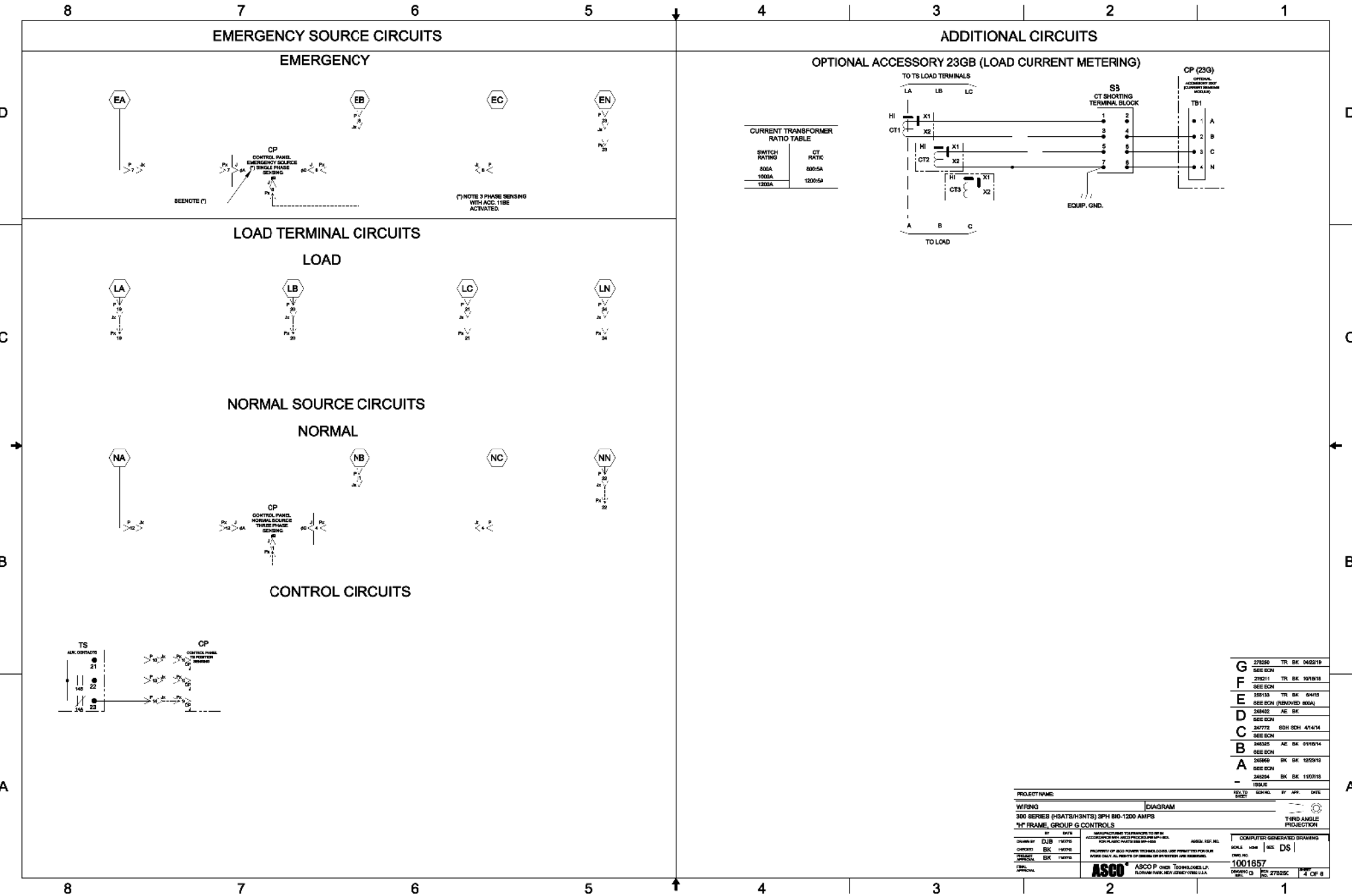
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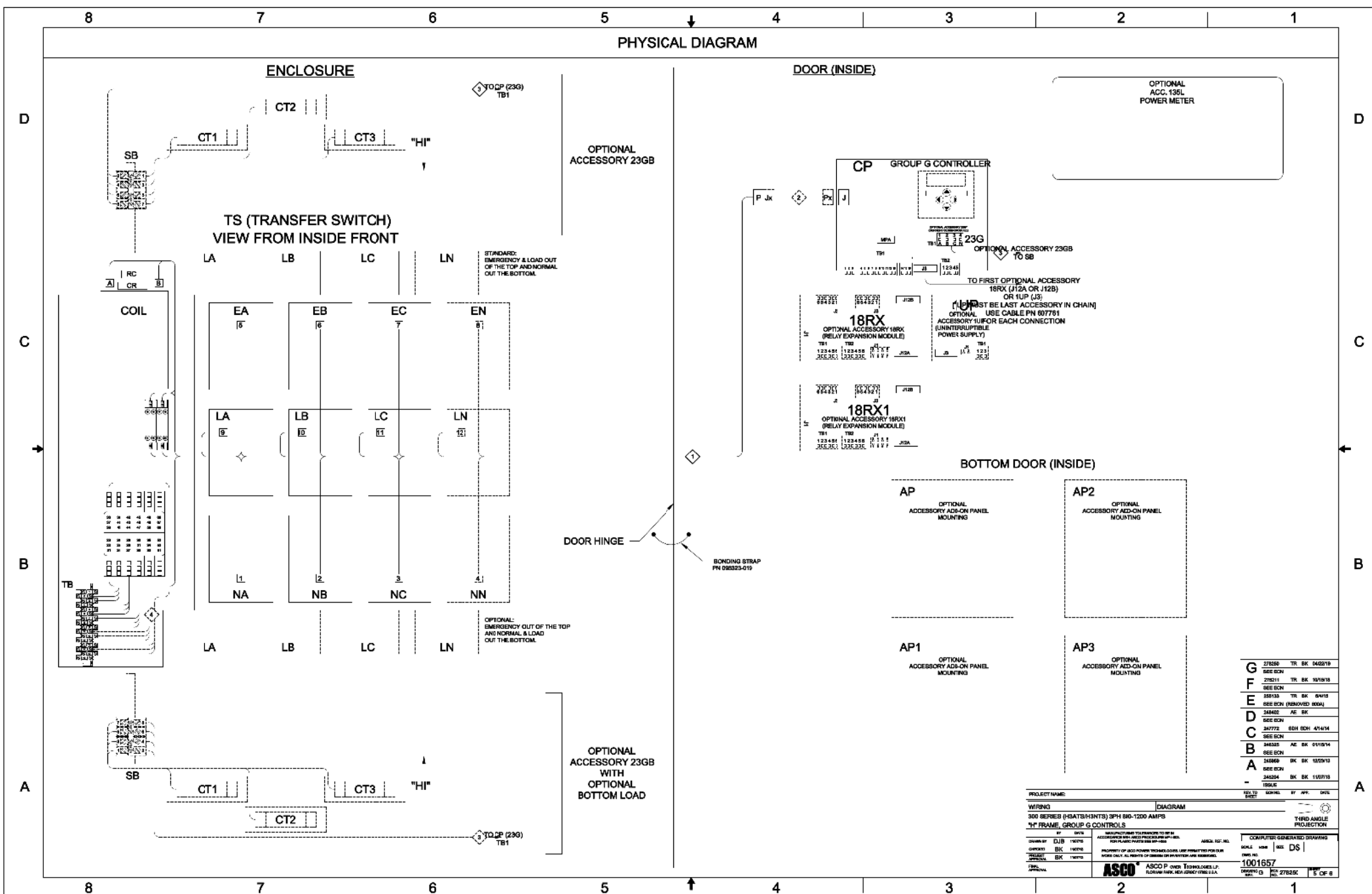
ASCO P.O. BOX 278296

FLORHAM PARK, NEW JERSEY 07631-2926

2 OF 8







WIRE RUN LISTING

HARNESSE LOCATOR		DATE INITIALED	DATE RECEIVED
WIRE NO.	HARNESB 7539082 (P) MAIN TS	CLR	AWG
1	7-15-16		16
2	3-2-75-A		
3	3-1-75-14		
4	12-1-75-3		
5	4-75-3-75-15		
6	6-75-14		
7	6-4-75-7		
8	6-75-7-75-19		
9	7-75-7-5		
10	7-75-5-75-17		
11	6-75-14		
12	8-75-24-75-1		
13	6-75-16-26		
14	9-75-25-75-2		
15	10-10-75-21		
16	11-1-75-2		
17	12-1-75-3		
18	13-15-18-15		
19	14-1-75-13-22		
20	14-14-75-23		
21	15-1-75-16		
22	16-75-16-20		
23	17-17-16		
24	18-14-75-3		
25	19-10-75-4		
26	20-75-17-10		
27	21-21-75-41		
28	22-22-75-4		
29	23-23-75-19		
30	24-24-75-42		
31	25-27-75-4		
32	26-75-25-75-1		
33	27-28-75-6		
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HARNESS LOCATOR		DISCONNECT PULL HERE	7
WIRE	HARNESS 300020-000		
NO.	PLUG OPTIONAL EXTENSION HARNESS	CLR	AMG
1	P4-1,Pin-1		18
2	P4-2,Pin-2		
3	P4-3,Pin-3		
4	P4-4,Pin-4		
5	P4-5,Pin-5		
6	P4-6,Pin-6		
7	P4-7,Pin-7		
8	P4-8,Pin-8		
9	P4-9,Pin-9		
10	P4-10,Pin-10		
11	P4-11,Pin-11		
12	P4-12,Pin-12		
13	P4-13,Pin-13		
14	P4-14,Pin-14		
15	P4-15,Pin-15		
16	P4-16,Pin-16		
17	P4-17,Pin-17		
18	P4-18,Pin-18		
19	P4-19,Pin-19		
20	P4-20,Pin-20		
21	P4-21,Pin-21		
22	P4-22,Pin-22		
23	P4-23,Pin-23		
24	P4-24,Pin-24		
REMOVE WIRES			
ADD WIRES			

④ HARNESS LOCATOR			
Wire No.	OPTIONAL ACCESSORY 23GB (C7,55,CP23G1-TB1)	CLR	AWG
300 C17-X1-SB-1			
301 C17-X1-SB-3			
302 C17-X1-SB-5			
303 B1-4,CP23G1-TB1-1			
301 B1-4,CP23G1-TB1-2			
302 B1-4,CP23G1-TB1-3			
303 C17-X2-C1-X2		GRN	GRN
303 C17-X2-C1-X2		GRN	GRN
303 B1-7,50UF-GND		GRN	GRN
303 B1-5,CP23G1-TB1-1		GRN	GRN

[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	246866	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;"> DIAGRAM </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: APC </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: </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;"> 10/10/10 </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> ASICO (REV. 10-1) </div>			
*PROPERTY OF OWNER. REPROD. COPIES ARE LIMITED BY THEIR POWER. COPIES OF CHANGES OR REVISIONS ARE NOT						
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ASICO </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ASCO POWER TECHNOLOGIES, L.P. 11000 HWY. 100, SUITE 200, DALLAS, TX 75243 </div> </div> <div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> </div>						
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> COMPUTER GENERATED DRAWING </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> SCALE: 1/8" = 1" </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> <div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> </div>						
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 1001657 </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> DRAWING NO. </div> </div> <div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> </div>						
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 27252C </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> <div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10/10/10 </div> </div> </div>						
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