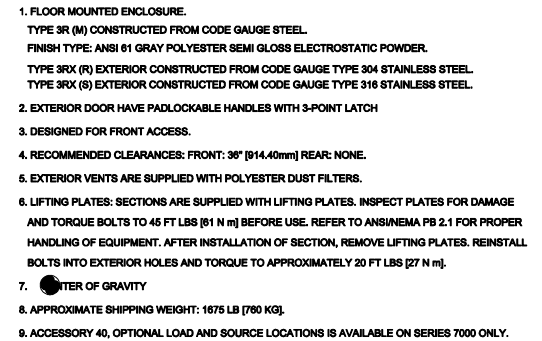


ATS Submittal

Transfer Switch Details

#9	ATS	AMPS: 2000	QTY: 2
Product	: Series 300	Catalog Number	: G03ATSB32000NGXM
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	: 6, 1/0 AWG to 600 MCM
Frame = G, Switch Rating = 2000, 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	:

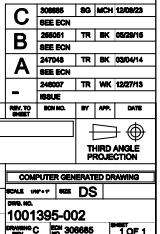
#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it also enables: (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

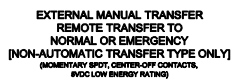
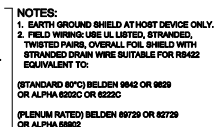
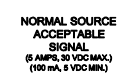


1. G FRAME AUTOMATIC TRANSFER SWITCH.
2. TRANSFER SWITCH RATING: 2000 AMPS
WITHSTAND AND CLOSING RATING WHEN PROTECTED BY A CIRCUIT BREAKER WITHOUT
AN ADJUSTABLE SHORT TIME RESPONSE,
MAXIMUM 0.05 SECONDS: 85,000 RMS SYM @ 240V, 480V, 600V.
WITHSTAND AND CLOSING RATING WHEN PROTECTED BY A CIRCUIT BREAKER WITH
AN ADJUSTABLE SHORT TIME RESPONSE,
MAXIMUM 0.30 SECONDS, 42,000 RMS SYM @ 240V, 480V.
MAXIMUM 0.50 SECONDS, 36,000 RMS SYM @ 240V, 480V.
3. A FULL RATED NEUTRAL CONNECTION FOR EACH SOURCE AND THE LOAD IS OPTIONAL.
WHEN PROVIDED IT IS IN ONE OF THE FOLLOWING FORMATS.
 - A. SOLID NEUTRAL
 - B. SWITCHED NEUTRAL POLE
 - C. OVERLAPPING NEUTRAL POLE (NOT AVAILABLE ON ADTS & ACTS UNITS)
4. UL 1008 OR CSA C22.2 No. 178.1

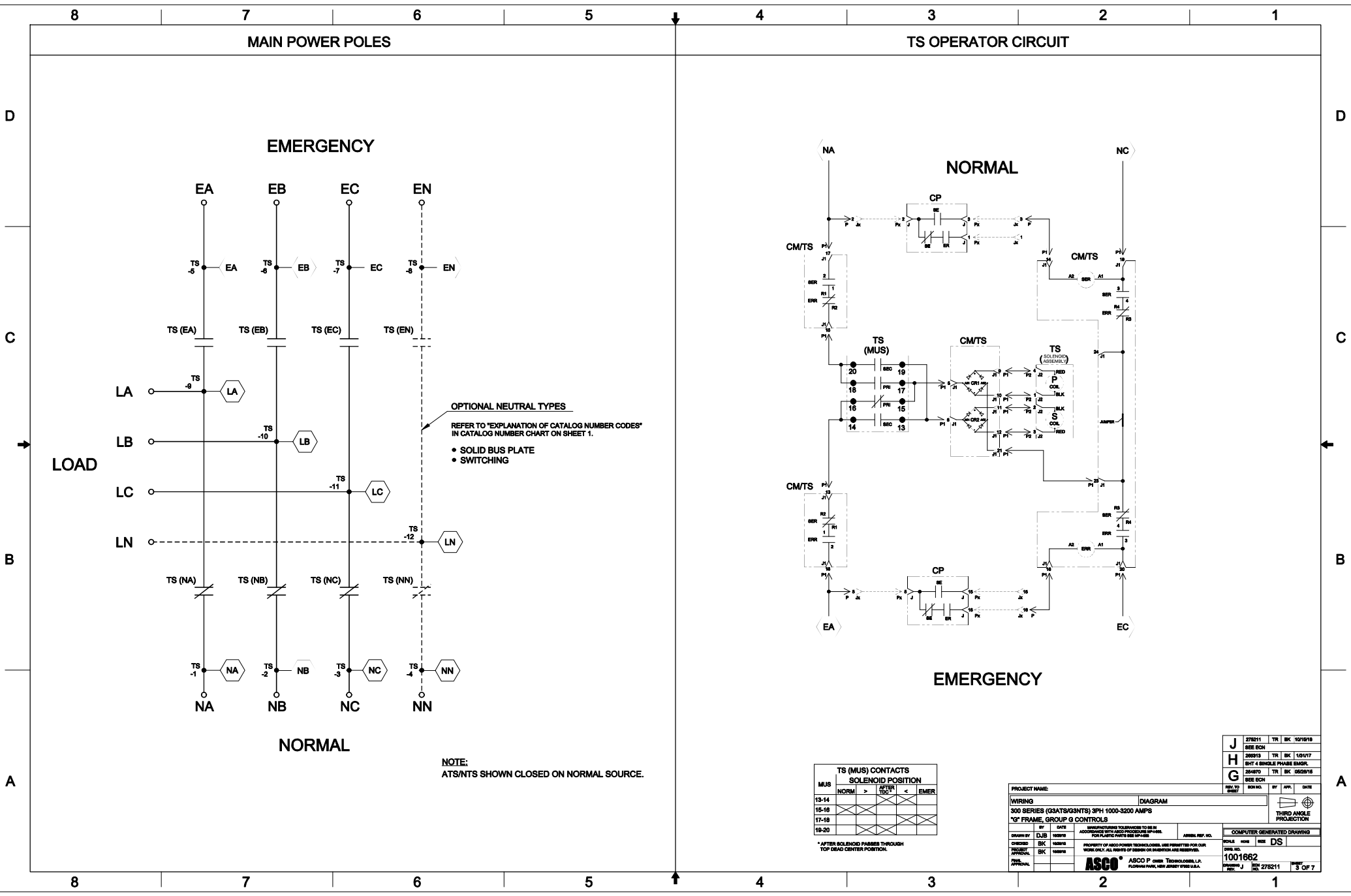
1. MECHANICAL (SCREW TYPE) LUGS FOR CUAL CABLE.
SOURCE 1 (NORMAL): (8) 1/8-800MCM [50-300mm] PER PHASE & NEUTRAL
LOAD: (8) 1/8-800MCM [50-300mm] PER PHASE & NEUTRAL
SOURCE 2 (EMERGENCY): (8) 1/8-800MCM [50-300mm] PER PHASE & NEUTRAL
LOAD: (18) 1/8-800MCM [50-300mm]
A. SUITABLE WIRE BENDING SPACE IS PROVIDED AS PER NEC.
2. SWITCH MAY BE SUPPLIED WITHOUT LUGS.
3. OPTIONAL LUGS MAY BE SUPPLIED (MAY AFFECT ENCLOSURE SIZE).

1. USE 90°C MINIMUM CU/AL WIRE FOR POWER CABLES.
2. WIRE SIZE TO BE BASED ON AMPACITY OF 75°C WIRE.
3. USE 60°C MINIMUM CU WIRE FOR CONTROLS.





PROJECT NAME:		REV. TO SHEET		REV. NO.	BY	APP.	DATE
WIRING		DIAGRAM					
300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS				THIRD ANGLE PROJECTION			
"G" FRAME, GROUP C CONTROLS							
DRAWN BY	CHKD BY	DATE	MANUFACTURED TO SPECIFICATIONS TO BE USED WITH THE "G" FRAME PROCEDURE AND FOR PLASTIC PANELS PER 68-0486		COMPUTER GENERATED DRAWING		
CHANGED BY	DATE	PROPERTY OF ASICO POWER TECHNOLOGIES, INC. NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.		SCALE	SIZE	DS	
APPROVAL	CHKD	DATE			DWG. NO.		
APPROVAL					1001682		
ASICO®		ASICO POWER TECHNOLOGIES, INC.		DRAWING NO.	REV.	DATE	
		FLOOR PLAN, NEW JERSEY CITY, N.J.		278211		12-87	



OPTIONAL NEUTRAL TYPES
REFER TO "EXPLANATION OF CATALOG NUMBER CODES"
IN CATALOG NUMBER CHART ON SHEET 1.
• SOLID BUS PLATE
• SWITCHING

NOTE:
ATS/NTS SHOWN CLOSED ON NORMAL SOURCE.

TS (MUS) CONTACTS SOLENOID POSITION					
MUS	NORM	>	AFTER TDC *	<	EMER
13-14					
15-16					
17-18					
19-20					

* AFTER SOLENOID PASSES THROUGH
TOP DEAD CENTER POSITION.

PROJECT NAME:		WIRING		DIAGRAM	
300 SERIES (33ATS/33NTS) 3PH 1000-3200 AMPS		"G" FRAME, GROUP G CONTROLS			
BY	DATE	MANUFACTURING TO BE SHOWN TO BE IN AGREEMENT WITH ASCO PRODUCTS DEPT. FILE.		ASCO, INC. FILE NO.	
DESIGNED BY	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, L.P. WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		COMPUTER GENERATED DRAWING	
APPROVED BY	DATE	ASCO P. O. BOX 1000, JERSEY CITY, N.J. 07310		SCALE: 1001662	
DATE	BY	ASCO P. O. BOX 1000, JERSEY CITY, N.J. 07310		THIRD ANGLE PROJECTION	
275211		TR BK 10/15/18		3 OF 7	

D

C

B

A

D

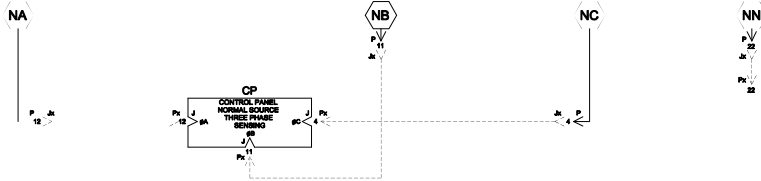
C

B

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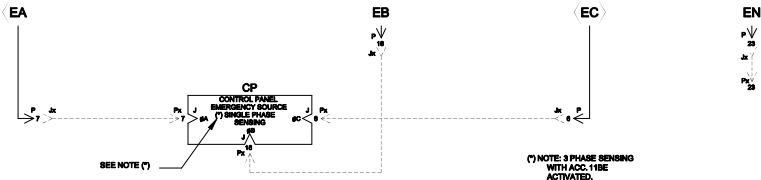
NORMAL SOURCE CIRCUITS

NORMAL



EMERGENCY SOURCE CIRCUITS

EMERGENCY

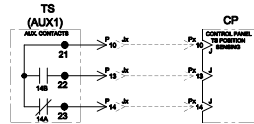


LOAD TERMINAL CIRCUITS

LOAD



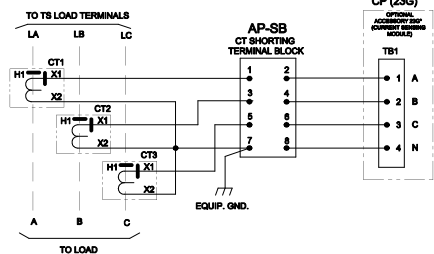
CONTROL SIGNALS & INDICATION



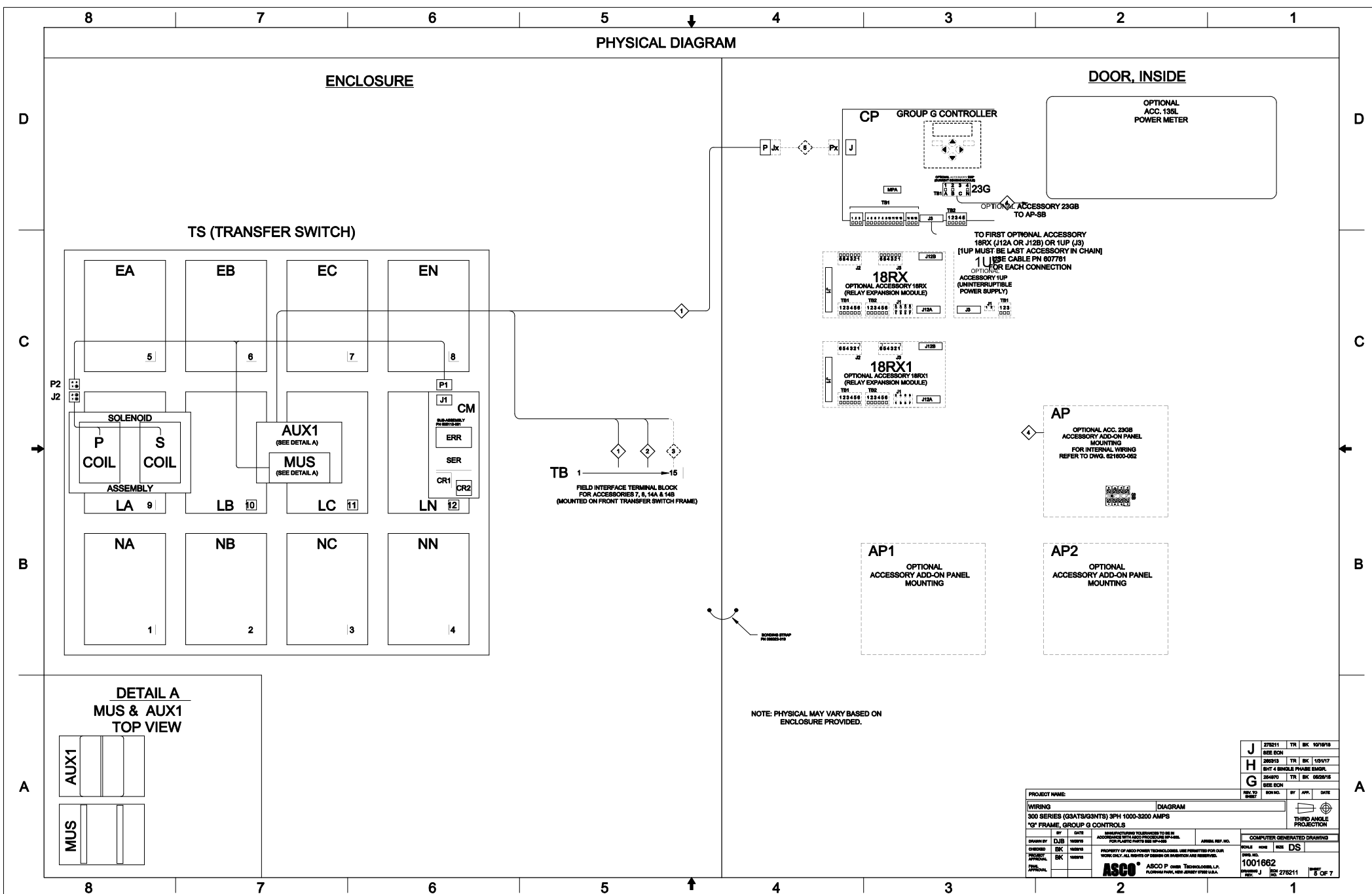
ADDITIONAL CIRCUITS

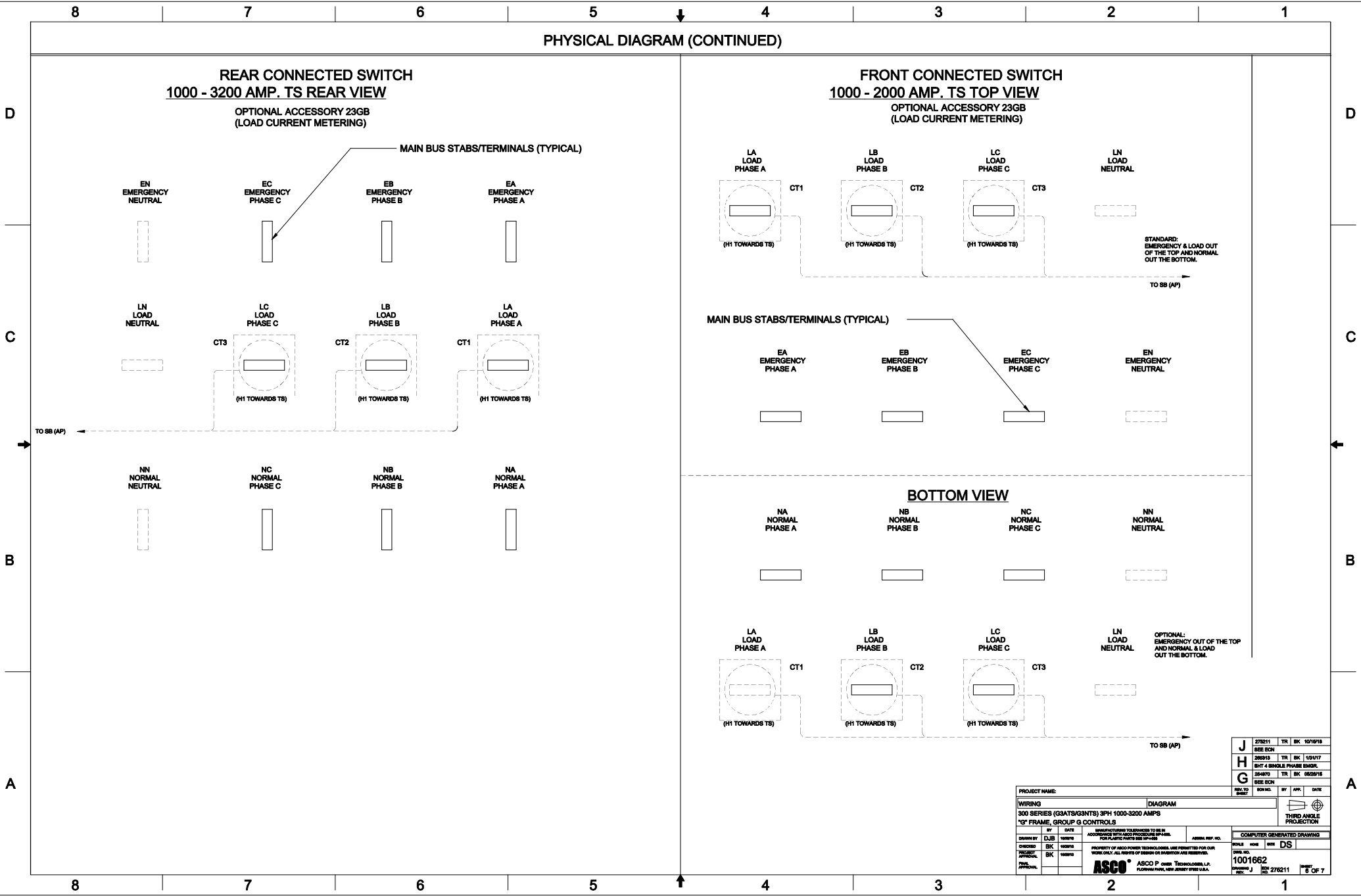
OPTIONAL ACCESSORY 23GB (LOAD CURRENT METERING)

CURRENT TRANSFORMER RATIO TABLE	
SWITCH RATING	CT RATIO
1200A	1200:5A
1500A	1500:5A
1800A	1800:5A
2000A	2000:5A
2500A	2500:5A
3000A	3000:5A
3200A	4000:5A



PROJECT NAME:		WIRING		DIAGRAM	
300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS		"G" FRAME, GROUP G CONTROLS		THIRD ANGLE PROJECTION	
BY	DATE	MANUFACTURING TO BE IN ACCORDANCE WITH ASCO PAPER 1000-3200 AMPS FOR PLASTIC PARTS SEE 80-4000		ASCO PAPER 1000-3200 AMPS	
CHECKED	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, LLC. NO REUSE OR REPRODUCTION OF THIS DOCUMENT IS PERMITTED WITHOUT THE WRITTEN PERMISSION OF ASCO POWER TECHNOLOGIES, LLC.		COMPUTER GENERATED DRAWING	
APPROVAL	DATE	ASCO PAPER 1000-3200 AMPS		SCALE: 100% DS	
REV. 1		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 2		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 3		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 4		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 5		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 6		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 7		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 8		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 9		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 10		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 11		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 12		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 13		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 14		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 15		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 16		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 17		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 18		ASCO PAPER 1000-3200 AMPS		1001662	
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REV. 29		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 30		ASCO PAPER 1000-3200 AMPS		1001662	
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REV. 33		ASCO PAPER 1000-3200 AMPS		1001662	
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REV. 97		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 98		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 99		ASCO PAPER 1000-3200 AMPS		1001662	
REV. 100		ASCO PAPER 1000-3200 AMPS		1001662	





PROJECT NAME:				DIAGRAM			
WIRING				300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS			
"G" FRAME, GROUP G CONTROLS				THIRD ANGLE PROJECTION			
BY	DATE	MANUFACTURING TOLERANCES TO BE AS SHOWN UNLESS OTHERWISE SPECIFIED.		ASSEMBLY REF. NO.		COMPUTER GENERATED DRAWING	
DRAWN BY	DJS	10/20/10	PROPERTY OF ASCO POWER TECHNOLOGIES, LLC. NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.		SCALE		SIZE
CHECKED	BK	10/20/10	ASCOD P. OWNER TECHNOLOGIES, L.P.		1001682		DS
APPROVED	BK	10/20/10	FLORHAM PARK, NEW JERSEY 07938 U.S.A.		DRAWING J		REV.
DATE	10/20/10	REV.		REV.		REV.	

[illegible]

PROJECT NAME				REV. TO SHEET	REV. NO.	BY	DATE
WIRING				DIAGRAM			
300 SERIES (G3A5/G3N/TS) 3PH 1000-3200 AMPS				THIRD ANGLE PROJECTION			
"G" FRAME, GROUP C CONTROLS							
DESIGNED BY	DATE	MANUFACTURING TO BE SUBMITTED TO BE IN ACCORDANCE WITH THE FOLLOWING PROCEDURE			COMPUTER GENERATED DRAWING		
CHKD BY	DATE	FOR PLANT PRACTICE SEE 10-10-08			DATE	NO.	DS
PROJECT APPROVAL	DATE	PROPERTY OF ASICO POWER TECHNOLOGIES, LLC. PERMITTED FOR YOUR FIRM ONLY. ALL RIGHTS OF INVENTOR OR INVENTION ARE RESERVED.			DRAW NO.		
THE APPROVAL		ASICO®			1001662		
		ASICO P. 0000, TECHNOLOGIES, L.L.C. ALPACOMA PARK, ALPACOMA, TEXAS U.S.A.			DESIGNED BY	REV.	7 OF 7