

ATS Submittal

Transfer Switch Details

#2	ATS	AMPS: 3000	QTY: 2
Product	: Series 300	Catalog Number	: G03ATSB33000NGXM
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	: 12, 3/0 to 600 MCM
Frame = G, Switch Rating = 3000, 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

3ASCA®

ASCO[®] SERIES 2600-3000 AMPERE "G" FRAME (3ATS,3NTS,3NDTS,3ADTS) REAR CONNECTED TRANSFER SWITCHES TYPE 3R SECURE ENCLOSURE

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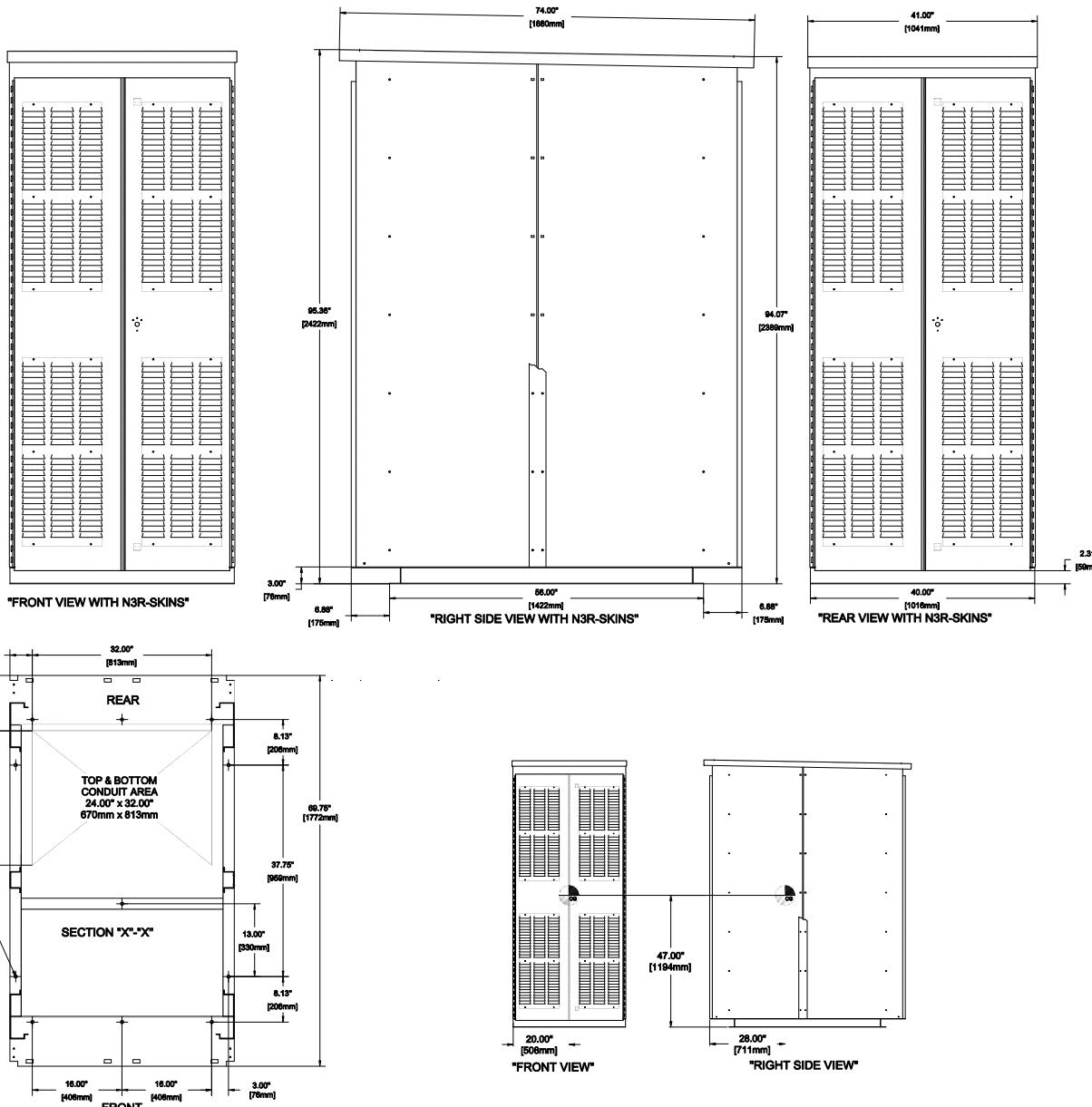
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GENERAL NOTES

1. TYPE 3R RAINPROOF ENCLOSURE, FREE STANDING, FLOOR MOUNTED. CODE GAUGE FORMED FRAME CONSTRUCTION.
2. NEC STANDARD GAUGE PAN TYPE DOOR WITH LOCKABLE HANDLE.
3. FINISH: ANSI 61 GRAY, POLYESTER POWDER STANDARD. OTHER ANSI COLORS AVAILABLE CONSULT FACTORY. UL RECOGNIZED.
4. RECOMMENDED CLEARANCES:
FRONT: 36.00" (914mm)
REAR: 30.00" (762mm)
5. A 20% RATED GROUND BUS IS PROVIDED AT THE REAR OF THE ENCLOSURE.
6. UNIT IS DESIGNED FOR BOTTOM CABLE ENTRY ONLY. THE STANDARD SWITCH CONFIGURATION IS FOR TOP LUGS EMERGENCY CENTER LUG LOAD AND BOTTOM LUGS NORMAL. (REFER TO THE WIRING DIAGRAM FURNISHED WITH EACH TRANSFER SWITCH TO DETERMINE TERMINATION POSITIONS).
7. 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 COOPER BUS NEUTRAL.
(B) SWITCHED NEUTRAL POLE.
8. CENTER OF GRAVITY.
9. NO KNOCKOUTS ARE PROVIDED.
10. EXTERIOR VENTS ARE SUPPLIED WITH POLYESTER DUST FILTERS.

CABLING NOTES

1. ALL SIZES STUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS. (SEE AMP SIZE BELOW)
 - A. LUG MATERIAL: ALUMINUM ALLOY 6051-T6 WITH ELECTRO TIN PLATED FINISH.
 - B. SCREW MATERIAL: ALUMINUM ALLOY 6202-T8 WITH ELECTRO TIN PLATED FINISH.
 - C. LUG LENGTH: 1/2 INCH.
 - D. LUG SCREW TIGHTENING TORQUE PER UL 498S: 375 IN-LBS.
 - E. SUITABLE WIRE BENDING SPACE IS PROVIDED. (SEE AMP SIZE BELOW)
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS. (SEE AMP SIZE BELOW).
3. CUSTOMER TERMINAL BLOCKS:
 - A. TERMINAL BLOCK TB WILL BE MOUNTED ON THE UPPER RIGHT INSIDE OF ENCLOSURE FOR SADTS AND 2NDTS. (DO NOT BURN THE LUGS. THEY WILL BE MOUNTED ON THE TRANSFER SWITCH FRAME AS INDICATED).

NOTES 2600-3000 AMPS

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD BUS STABIL. TWO (2) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF TWELVE (12) 1/0 -750MCM CU/AL CABLE (SEE NOTE "E" BELOW).
A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO TWELVE (12) 750MCM CABLES PER TERMINAL PER PHASE.
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;
(391.30 - 750MCM CU/AL CABLE.

AMP SIZE	POLES	WEIGHTS LB (KG)
2600 TO 3000	2	2000 (908)
	B2	2150 (976)
	C2	2150 (976)
	3	2150 (976)
	B3	2230 (1012)
	C3	2230 (1012)

PROJECT NAME			ISSUED	
			BY	TO
			IN NO.	DATE
OUTLINE				
300 SERIES TS "O" 4" FRAME TYPE 3R SECURE				
2600-3000 AMPS. "O" FRAME				
REV	DATE	MANUFACTURING INSTRUCTIONS TO BE IN ACCORDANCE WITH ASCO PROCEDURE SP-405.		
DRAWN BY	AE 10/10/98	APPROVAL REC'D. NO.		
CHECKED	BK 12/10/98	APPROVAL REC'D. NO.		
PRODUCT	WKC	PROPERTY OF ASCO POWER TECHNOLOGIES, INC. USE RESTRICTED FOR CLERICAL WORK ONLY. ALL RIGHTS OF DESIGNER OR MANUFACTURER ARE RESERVED.		
PRINTED	10/10/98	ASCO POWER TECHNOLOGIES, LTD.		
COMPUTER GENERATED DRAWING				
ROLE: DS DRAFTS				
DRA. NO. 1001395-003				

8 | 7 | 6 | 5 | **4** | 3 | 2 | 1

OUTLINE FOR ASCE SERIES 2600-3000 AMPERE "G" FRAME (3ATS,3NTS,3NTDS,3ADTS) REAR CONNECTED TRANSFER SWITCHES TYPE 3R SECURE ENCLOSURE

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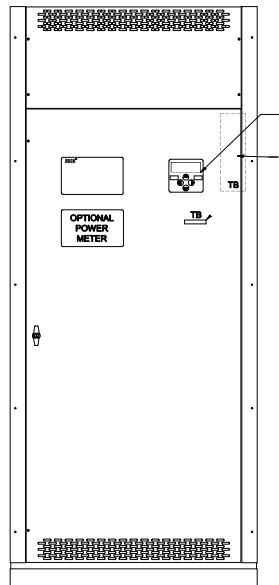
C

B

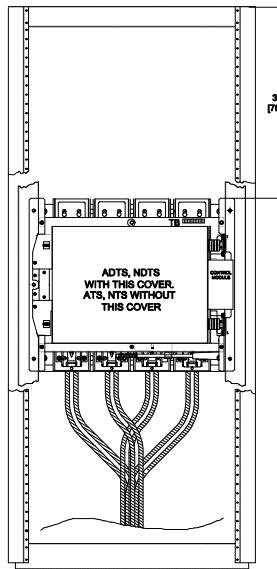
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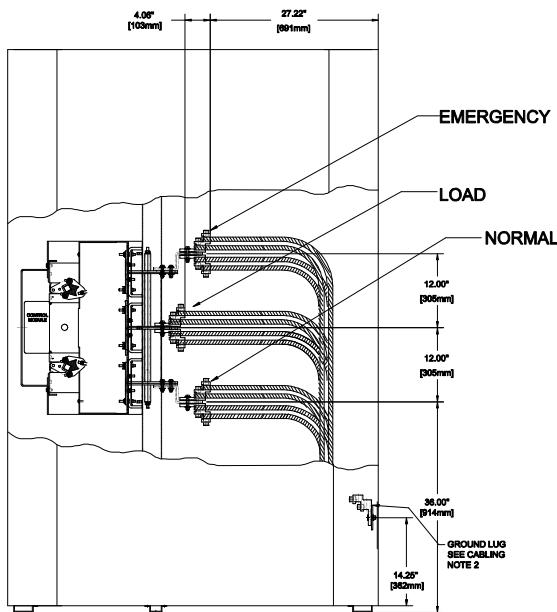
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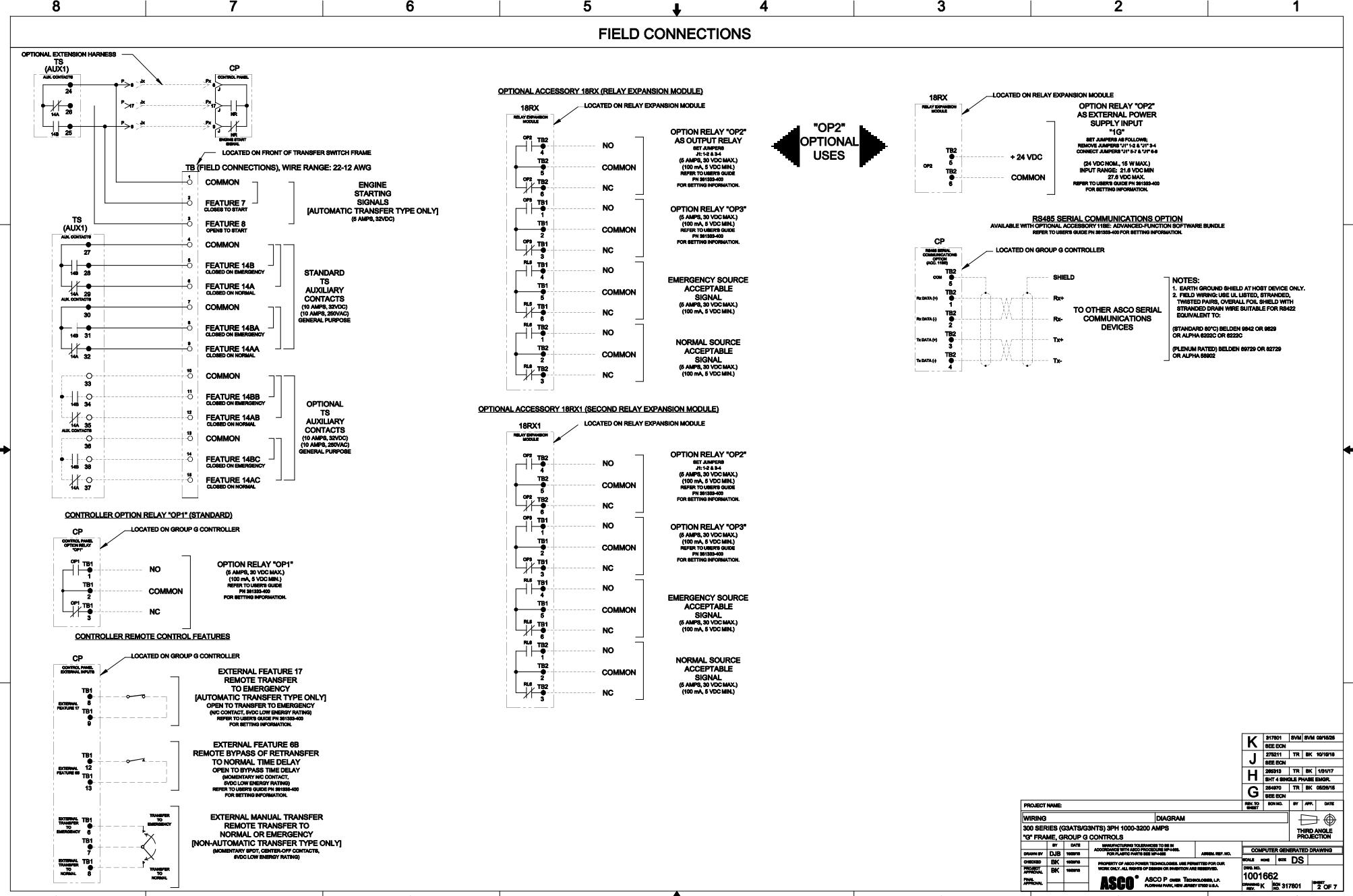
"FRONT VIEW WITH COVERS"



"FRONT VIEW W/O COVERS"



"RIGHT SIDE VIEW W/O N3R-SKINS"



K	317801	504	09/04/09/2005
J	272811	TR	IK 10/18/10
H	269519	TR	IK 10/17/17
G	264070	TR	IK 05/29/15
			IEEE ECR

100162 FLORHAM PARK, NEW JERSEY 07932 U.S.A.

2 OF 7

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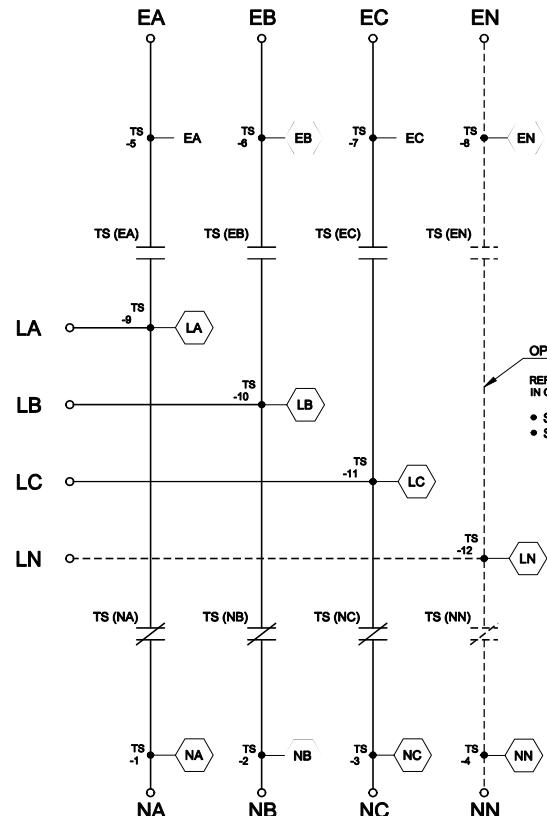
MAIN POWER POLES

TS OPERATOR CIRCUIT

D

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EMERGENCY



LOAD

C

C

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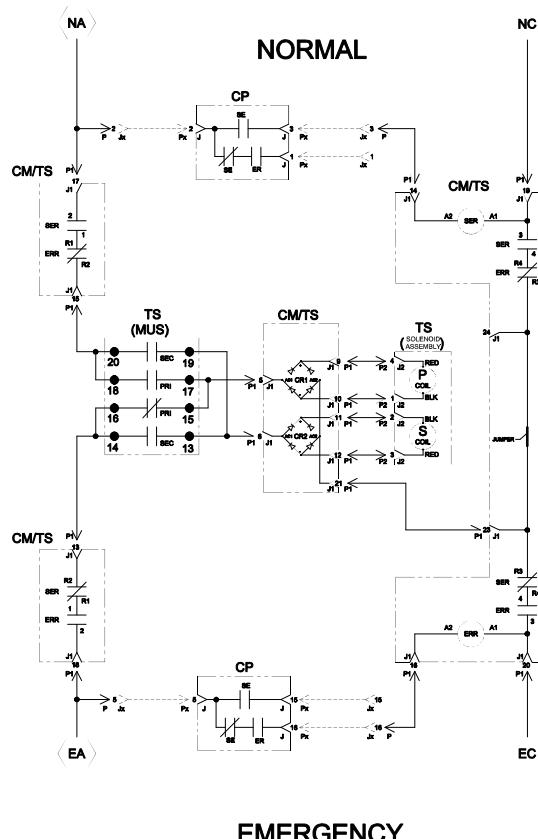
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NORMAL

NOTE:
ATS/NTS SHOWN CLOSED ON NORMAL SOURCE.



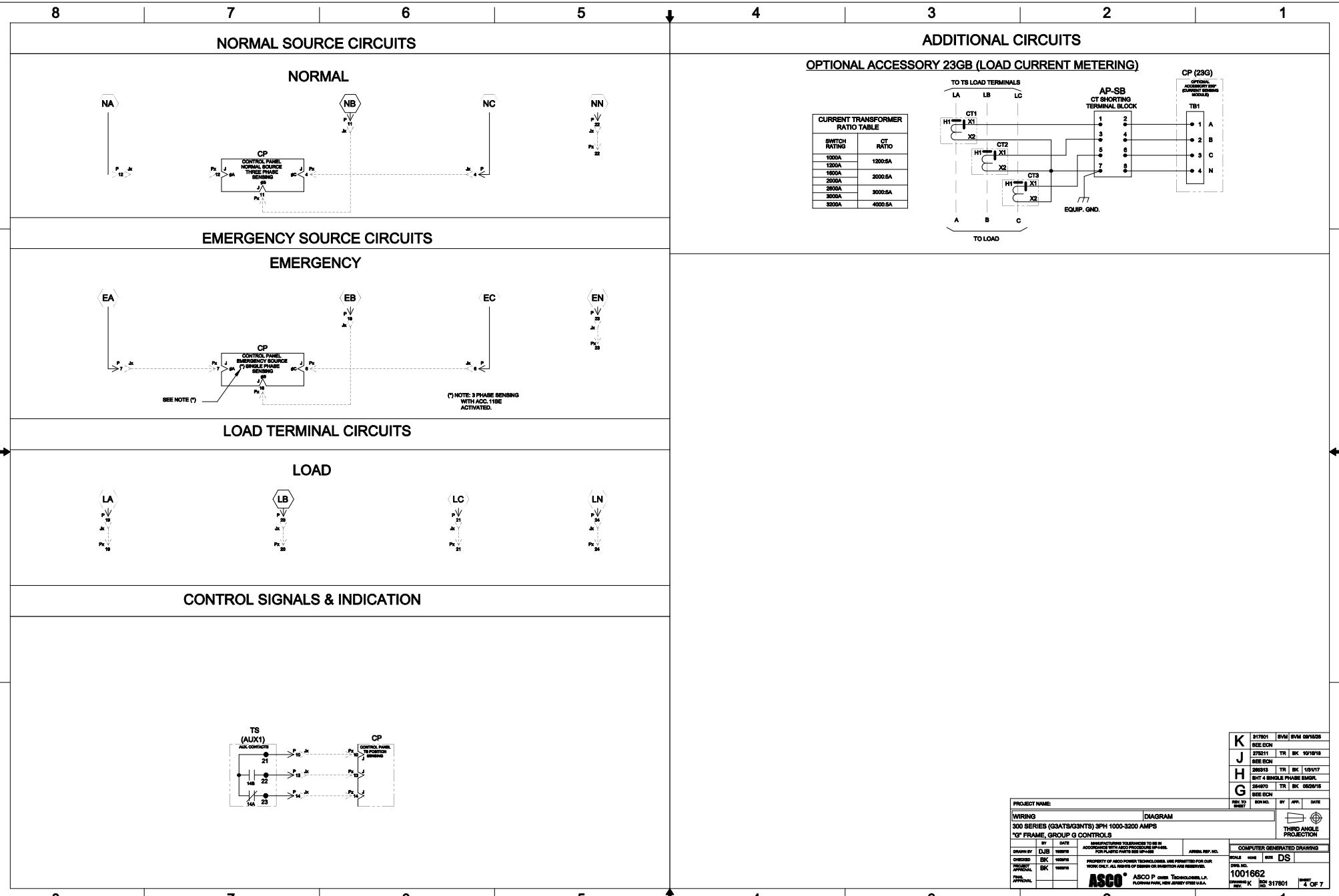
EMERGENCY

TS (MUS) CONTACTS		SOLENOID POSITION
MUS	13-14	
NORM	>	OPEN
15-16	X	CLOSED
17-18	X	CLOSED
19-20	X	CLOSED

* AFTER SOLENOID PASSES THROUGH
TOP DEAD CENTER POSITION.

PROJECT NAME:		WIRING DIAGRAM	
300 SERIES (G3ATS/G3NTS) 3PH 1000-3200 AMPS		* "G" FRAME, GROUP D CONTROLS	
DRAWN BY	DJS	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASME Y14.5M-1994. FOR PLASTIC PARTS SEE SP-04-04.
DESIGNED BY	DK	REVISER	ASME REF. NO.
APPROVED BY	DK	APPR'D BY	COMPUTER GENERATED DRAWING
RECEIVED BY	DK	DATE	THIRD ANGLE PROJECTION
ASCO P.O. BOX 1001662		DRAWN BY DS	
FLORINA PARK, NEW JERSEY 07021 U.S.A.		DRAWN BY DS	
DRAFT NO. K		REV. NO. 317601	
		3 OF 7	

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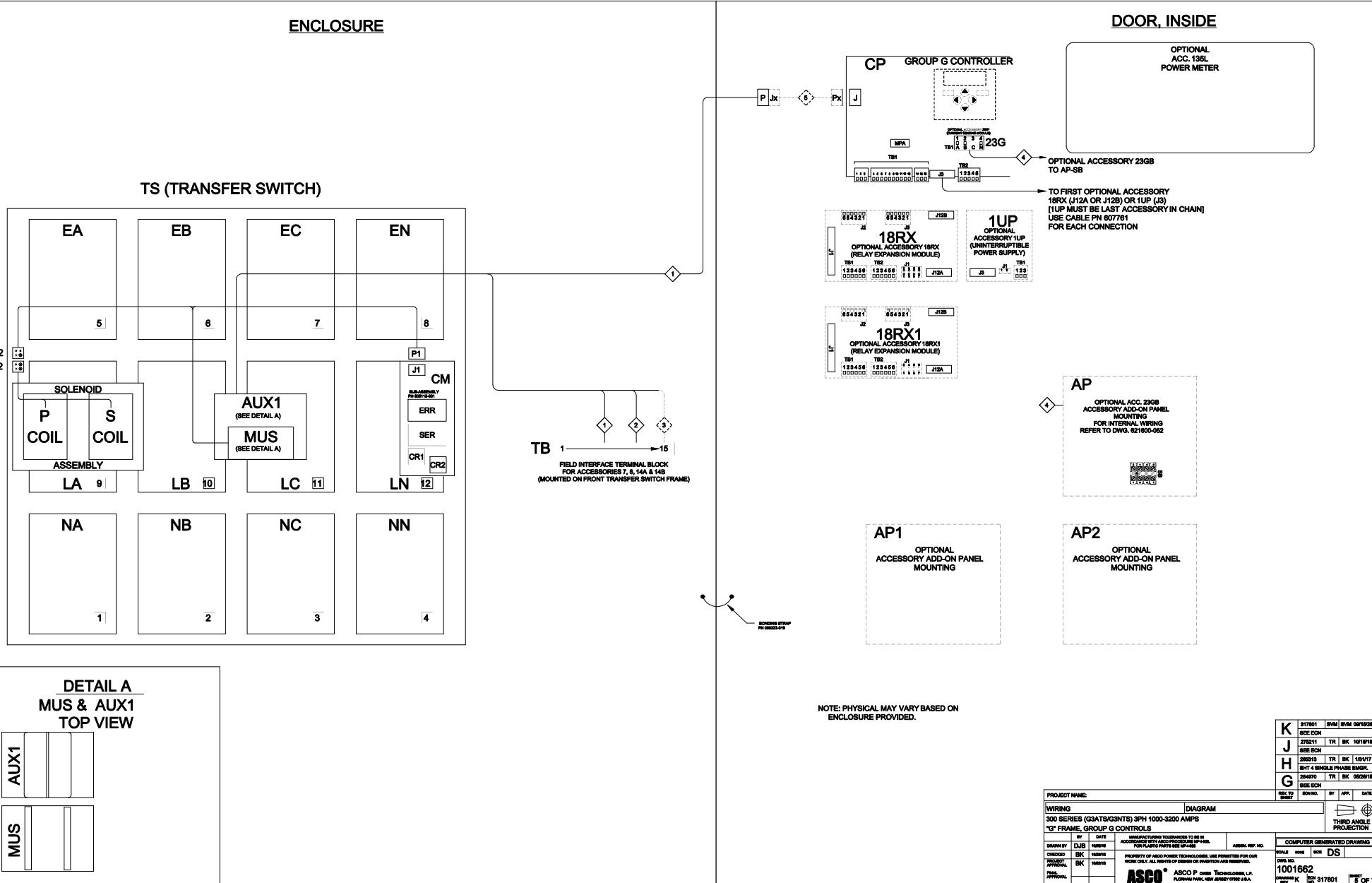


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PHYSICAL DIAGRAM

ENCLOSURE

DOOR, INSIDE

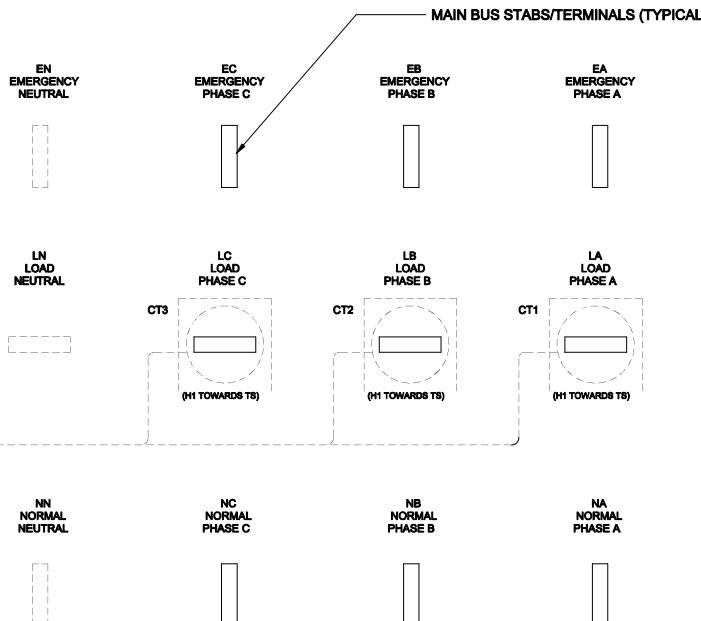
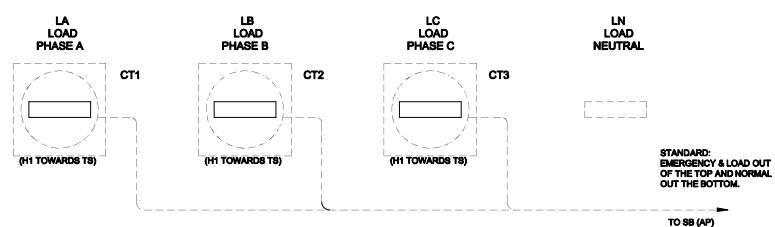


**NOTE: PHYSICAL MAY VARY BASED ON
ENCLOSURE PROVIDED.**

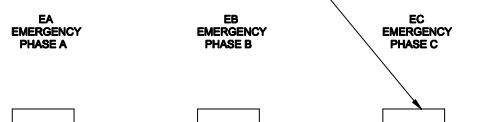
PROJECT NAME:		DIAGRAM		
WIRING		300 SERIES (G3AT/G3NTS) 3PH 1000-3200 AMPS		
"G" FRAME, GROUP 9 CONTROLS				
DRAWN BY	DJB	DATE	MANUFACTURER'S TRADES TO BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS. FOR PLASTIC PARTS SEE PMS	
RECHECKED BY	JK	APPROVAL	ASME B16.5	
APPROVAL	JK	APPROVAL	PROPERTY OF ASICO POWER TECHNOLOGIES, LLC. USE PERMITTED FOR OUR INTERNAL USE ONLY. EXTERIOR USE IS PROHIBITED AND IS SUBJECT TO DISCIPLINE AND REMOVAL.	
 ASCO ®		P. O. BOX 1000 FLORHAM PARK, NEW JERSEY 07042 U.S.A.		
COMPUTER GENERATED DRAWING				
SCALE	NAME	DS	DRAWING NO. 1001662	
K 10/17/1981 372511 TR BK 10/17/1981				
J 10/17/1981 269311 TR BK 10/17/1981				
H BHT + SINGLE PHASE EMER.				
G 05/20/1981 264970 TR BK 05/20/1981				
SEE ECH				
REV	NAME	INCL	BY	APPR.
				DATE

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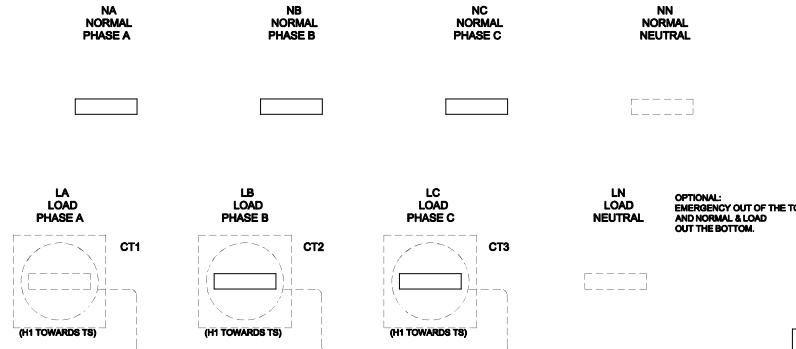
PHYSICAL DIAGRAM (CONTINUED)

REAR CONNECTED SWITCH
1000 - 3200 AMP. TS REAR VIEWOPTIONAL ACCESSORY 23GB
(LOAD CURRENT METERING)FRONT CONNECTED SWITCH
1000 - 2000 AMP. TS TOP VIEWOPTIONAL ACCESSORY 23GB
(LOAD CURRENT METERING)

MAIN BUS STABS/TERMINALS (TYPICAL)



BOTTOM VIEW



PROJECT NAME:		WIRING		DIAGRAM		COMPUTER GENERATED DRAWING	
300 SERIES (G3ATSG3NTS) 3PH 1000-3200 AMPS		"G" FRAME, GROUP D CONTROLS				THIRD ANGLE PROJECTION	
DRAWN BY	DJS	REVIS.	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASME Y14.5M-1994, FOR PLASTIC PARTS SEE SP-44-94		APPROV. BY	REF. NO.
DESIGNED BY	DK	REVIS.	DATE			APPROV. BY	REF. NO.
REVIEWED BY	SK	REVIS.	DATE	PROPRIETARY AND CONFIDENTIAL. THIS DRAWING IS THE PROPERTY OF ASCO. ANY PARTS FURNISHED HEREUNDER ARE FURNISHED FOR THE USE OF THE PURCHASER ONLY. ANY USE, REPRODUCTION, OR DISSEMINATION OF THIS DRAWING IS PROHIBITED.		APPROV. BY	REF. NO.
ASCO [®] ASCO P.O. BOX 1000162		FLORINA PARK, NEW JERSEY 07021 U.S.A.				DS	DS
DRAWN BY		DATE				REV. NO.	REV. NO.
SK		317801				317801	317801

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D

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