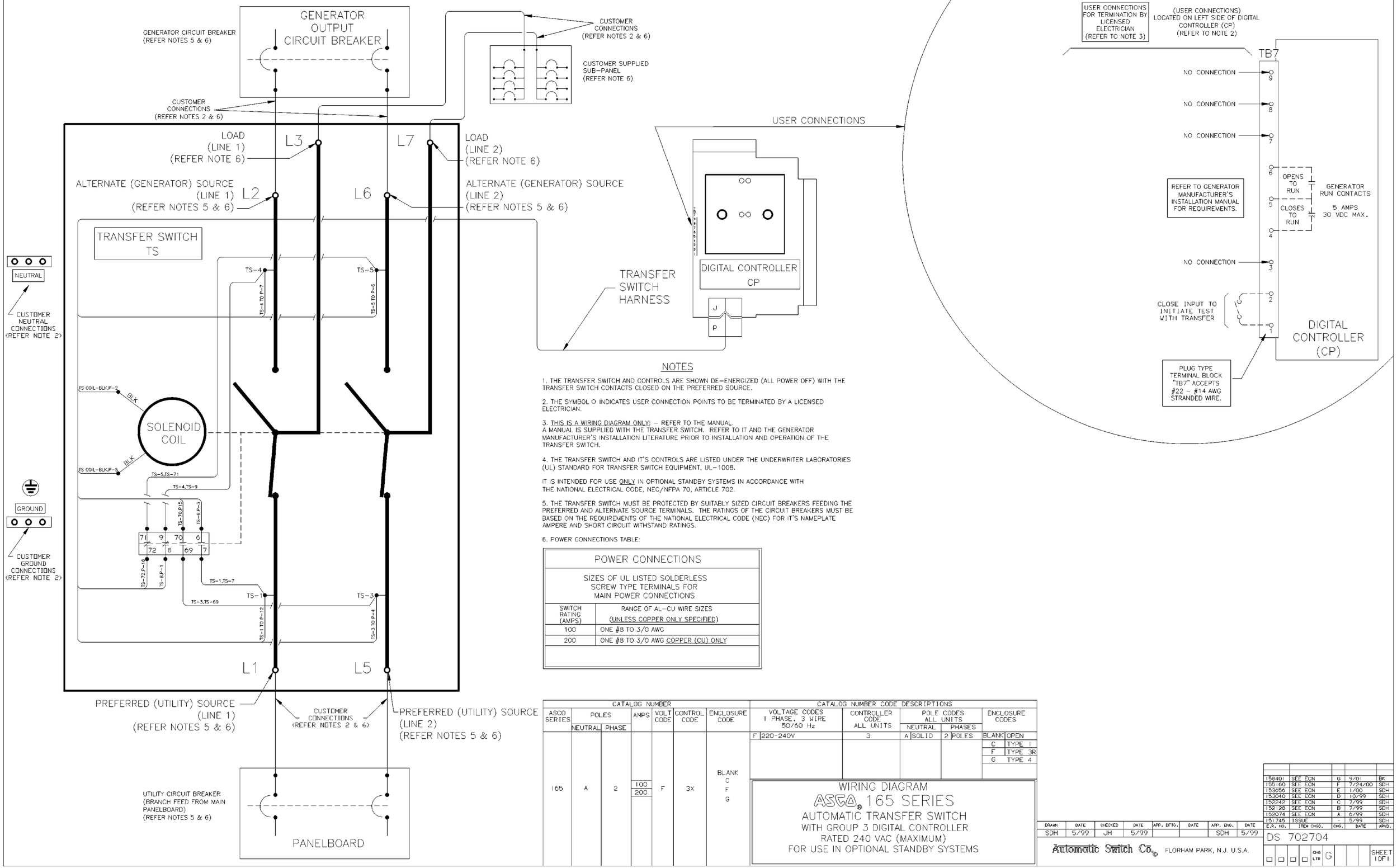

NOTES

1. THE TRANSFER SWITCH AND CONTROLS ARE SHOWN DE-ENERGIZED (ALL POWER OFF) WITH THE TRANSFER SWITCH CONTACTS CLOSED ON THE PREFERRED SOURCE.

2. THE SYMBOL O INDICATES USER CONNECTION POINTS TO BE TERMINATED BY A LICENSED ELECTRICIAN.

3. THIS IS A WIRING DIAGRAM ONLY! – REFER TO THE MANUAL. A MANUAL IS SUPPLIED WITH THE TRANSFER SWITCH. REFER TO IT AND THE GENERATOR MANUFACTURER'S INSTALLATION LITERATURE PRIOR TO INSTALLATION AND OPERATION OF THE TRANSFER SWITCH.

4. THE TRANSFER SWITCH AND IT'S CONTROLS ARE LISTED UNDER THE UNDERWRITER LABORATORIES (UL) STANDARD FOR TRANSFER SWITCH EQUIPMENT, UL-1008.

IT IS INTENDED FOR USE ONLY IN OPTIONAL STANDBY SYSTEMS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, NEC/NFPA 70, ARTICLE 702.

5. THE TRANSFER SWITCH MUST BE PROTECTED BY SUITABLY SIZED CIRCUIT BREAKERS FEEDING THE PREFERRED AND ALTERNATE SOURCE TERMINALS. THE RATINGS OF THE CIRCUIT BREAKERS MUST BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) FOR IT'S NAMEPLATE AMPERE AND SHORT CIRCUIT WITHSTAND RATINGS.

6. POWER CONNECTIONS TABLE:

POWER CONNECTIONS	
SIZES OF UL LISTED SOLDERLESS SCREW TYPE TERMINALS FOR MAIN POWER CONNECTIONS	
SWITCH RATING (AMPS)	RANGE OF AL-CU WIRE SIZES (UNLESS COPPER ONLY SPECIFIED)
100	ONE #8 TO 3/0 AWG
200	ONE #8 TO 3/0 AWG COPPER (CU) ONLY

CATALOG NUMBER							CATALOG NUMBER CODE DESCRIPTIONS					
ASCO SERIES	POLES NEUTRAL	POLES PHASE	AMPS	VOLT CODE	CONTROL CODE	ENCLOSURE CODE	VOLTAGE CODES 1 PHASE, 3 WIRE 50/60 Hz	CONTROLLER CODE ALL UNITS	POLE CODES ALL UNITS NEUTRAL	POLE CODES ALL UNITS PHASES	ENCLOSURE CODES	
165	A	2	100	F	3X	BLANK	F 220-240V	3	A SOLID	2 POLES	BLANK	OPEN
			200			C					C	TYPE 1
						F					F	TYPE 3R
						G					G	TYPE 4

WIRING DIAGRAM
ASCO® 165 SERIES
AUTOMATIC TRANSFER SWITCH
WITH GROUP 3 DIGITAL CONTROLLER
RATED 240 VAC (MAXIMUM)
FOR USE IN OPTIONAL STANDBY SYSTEMS

DRAWN	DATE	CHECKED	DATE	APP. DFTG.	DATE	APP. ENG.	DATE
SDH	5/99	JH	5/99			SDH	5/99

E.R. NO.	ITEM CHGD.	CHG.	DATE	APVD.
158401	SEE ECN	G	9/01	BK
156160	SEE ECN	F	7/24/00	SDH
153056	SEE ECN	E	1/00	SDH
153040	SEE ECN	D	10/99	SDH
152242	SEE ECN	C	7/99	SDH
152128	SEE ECN	B	7/99	SDH
152074	SEE ECN	A	6/99	SDH
151745	ISSUE	-	5/99	SDH

DS 702704

Automatic Switch Co.® FLORHAM PARK, N.J. U.S.A.

CHG LTR: G

SHEET 1 OF 1