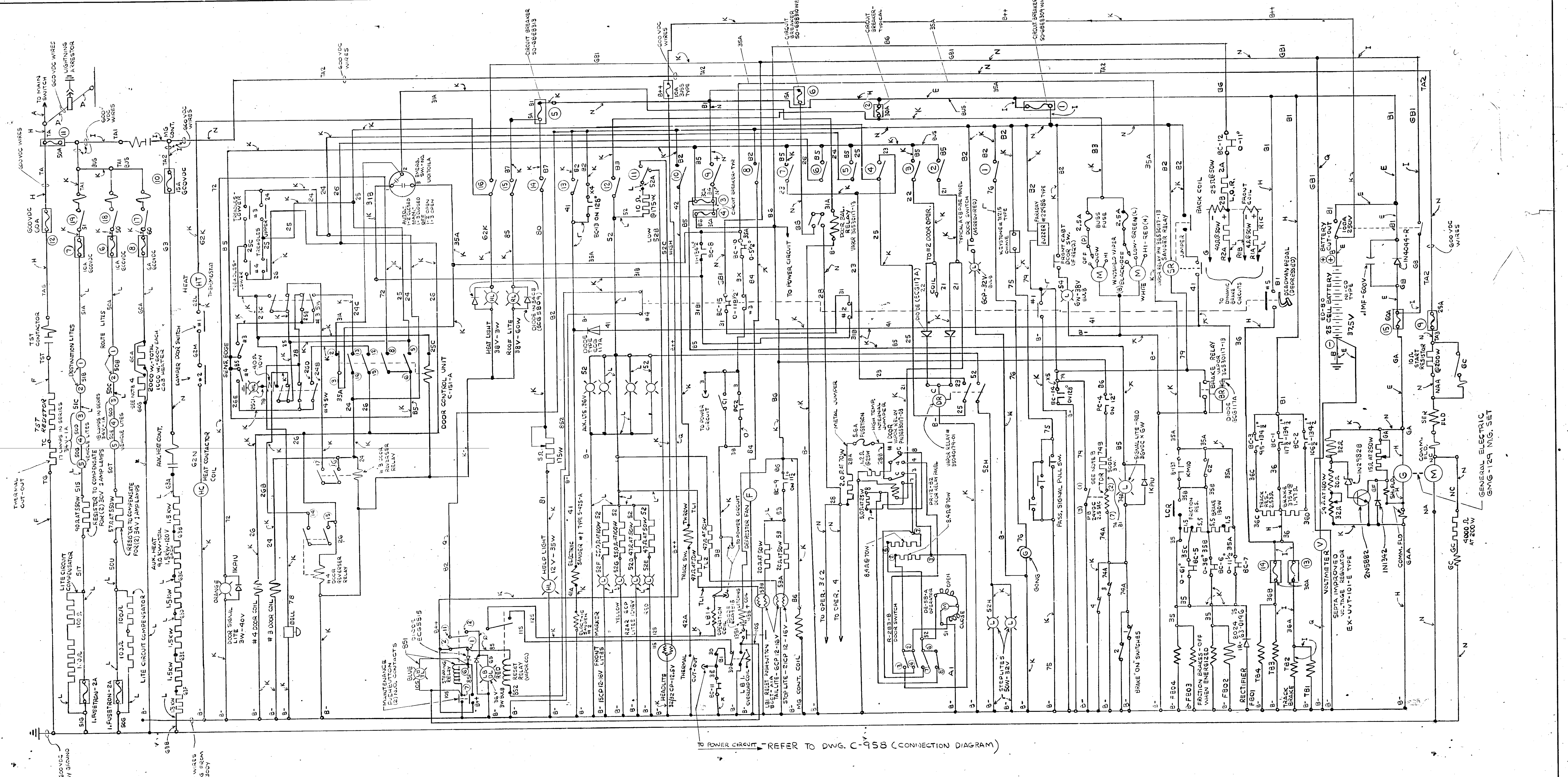

NO. ON GANG SWITCH	TYPE SWITCH	CIRCUIT
1	SR	GONG
2	T	FRONT DOOR #1
3	T	FRONT DOOR #2
4	SR	TREADLE
5	T	CENTER DOOR FRONT
6	T	CENTER DOOR REAR
7	T	CENTER DOOR MASTER
8	T	DEFROSTER FAN
9	T	M.G. SET
10	SR	TRACK SW.
11	DT	HEADLIGHT SW.
12	T	TAIL & MARKER LITES
13	SR	SANDER
14	T	HELP LIGHT
15	T	ROOF LIGHT
16	T	HEAT LIGHT & TEMP. CONTROL
17	T	600 V CAB HEATER
18	T	600V-#1 CAR LIGHT
19	T	600V-#2 CAR LIGHT

ABBREVIATIONS

- BC - BRAKE CONTROLLER
- PC - POWER CONTROLLER
- T - TOGGLE SWITCH
- MG - MOTOR GENERATOR
- TDR - TIME DELAY RELAY
- SR - SPRING RETURN
- DT - DOUBLE THROW SW.
- LA - LIGHTNING ARRESTOR
- MC - MASTER CONTROLLER
- SR - STEPPING RELAY
- RR - RESET RELAY
- LBDL - LINE BREAKER DISABLE LIGHT
- LBTL - " " TRIP "

CABLE SIZE

SYMBOL	A.W.G.	DESCRIPTION
A	3/0	STANDARD INS.
B	1	"
C	1	HIGH TEMPERATURE INS.
D	3	STANDARD INS.
E	4	"
F	6	HIGH TEMPERATURE INS.
G	6	STANDARD INS.
H	6	"
I	8	"
J	8	HIGH TEMPERATURE INS.
K	12	STANDARD INS.
L	12	HIGH TEMPERATURE INS.
M	10	"
N	10	STANDARD INS.
O	10	"
P	10	"
Q	14	"

ENG. REF.
THIS SCHEMATIC HAS BEEN DEVELOPED FROM ST. LOUIS CAR CO. DWG. 568-9113, DATED 10-25-47

ENG. NOTES
1. ANY & ALL REVISIONS TO THIS SCHEMATIC MUST HAVE EXPLICIT APPROVAL OF R.E.D. ENGINEERING.
2. RELAYS AND CONTACTORS ARE SHOWN WITH "ALL POWER OFF"
3. SET T.D.R. AT "2", THEN INSTALL BRACKET TO SECURE SETTING AND RELAY ON SOCKET.
4. THERE ARE 2 HEATING UNITS IN THE CIRCUIT. THE UNITS ARE CONNECTED IN PARALLEL.
5. STEPPING RELAY MOUNTING POSITION; HORIZONTAL WITH RATCHETED FACE, PARALLEL TO HORIZONTAL AXIS (10-26-83)

G.O.H. PROGRAM - PHASE II

REV.	DATE	DESCRIPTION	BY	CK'D	AP'D
G	9-24-87	ADDED JUMPER WIRE FROM COIL TO SH. FLD. H	GS	HT	HT
F	12-11-86	GEN. REVISION PER ENG. REQUEST	GS	HT	HCO
E	3-13-85	ADDED DIODE 70H100A	GS	HT	HCO
D	7-27-84	GENERAL REVISION PER ENG. REQUEST	GS	HCO	HCO
C	3-8-84	GENERAL REVISION PER ENG. REQUEST	GS		HCO
B	11-10-83	GENERAL REVISION PER ENG. REQUEST	GVS		HCO
A	8-5-83	GENERAL REVISION PER ENG. REQUEST	GVS		HCO

TELEDYNE POST N01231

TOLERANCES UNLESS OTHERWISE SPECIFIED

FRACTIONAL	± 1/64
.XX	± .01
.XXX	± .005
ANGULAR	± ½ DEG.

Henry C Oviedo 4-4-83

SCALE NONE
DRAWN BY G.V. STRAVINSKY
DATE 11-29-82
CHECKED BY

SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY
RAIL EQUIPMENT DEPARTMENT
200 WEST WYOMING AVENUE — PHILADELPHIA, PENNA. 19140

TITLE PCC CARS
1948 G.E. CARS
"MASTER" SCHEMATIC

WORK ORDER NUMBER

DRAWING NUMBER E-980 REV