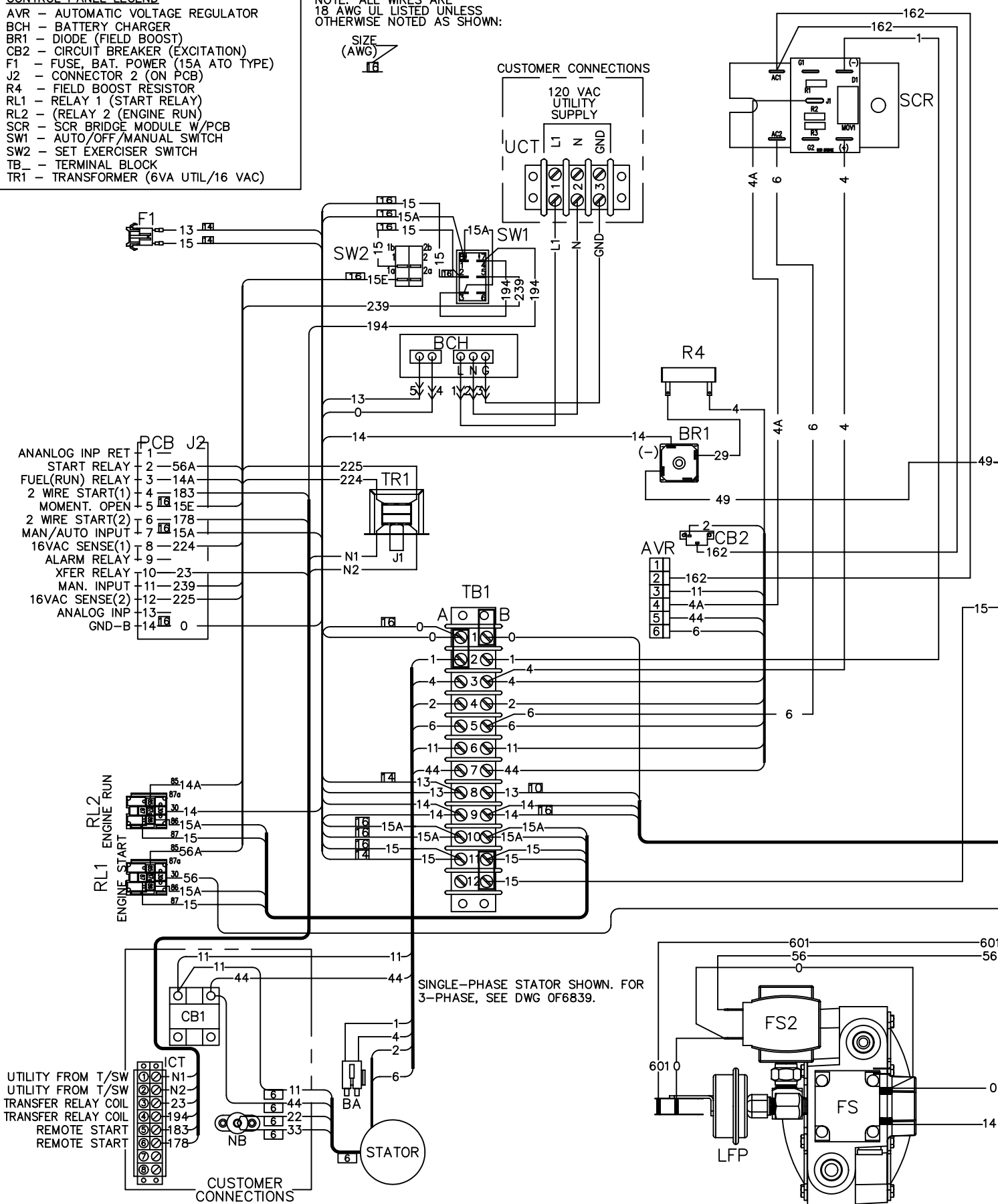


## CONTROL PANEL LEGEND

AVR - AUTOMATIC VOLTAGE REGULATOR  
 BCH - BATTERY CHARGER  
 BR1 - DIODE (FIELD BOOST)  
 CB2 - CIRCUIT BREAKER (EXCITATION)  
 F1 - FUSE, BAT. POWER (15A ATO TYPE)  
 J2 - CONNECTOR 2 (ON PCB)  
 R4 - FIELD BOOST RESISTOR  
 RL1 - RELAY 1 (START RELAY)  
 RL2 - (RELAY 2 (ENGINE RUN)  
 SCR - SCR BRIDGE MODULE W/PCB  
 SW1 - AUTO/OFF/MANUAL SWITCH  
 SW2 - SET EXERCISER SWITCH  
 TB - TERMINAL BLOCK  
 TR1 - TRANSFORMER (6VA UTIL/16 VAC)

NOTE: ALL WIRES ARE  
 18 AWG UL LISTED UNLESS  
 OTHERWISE NOTED AS SHOWN:

SIZE  
 (AWG)  
 18



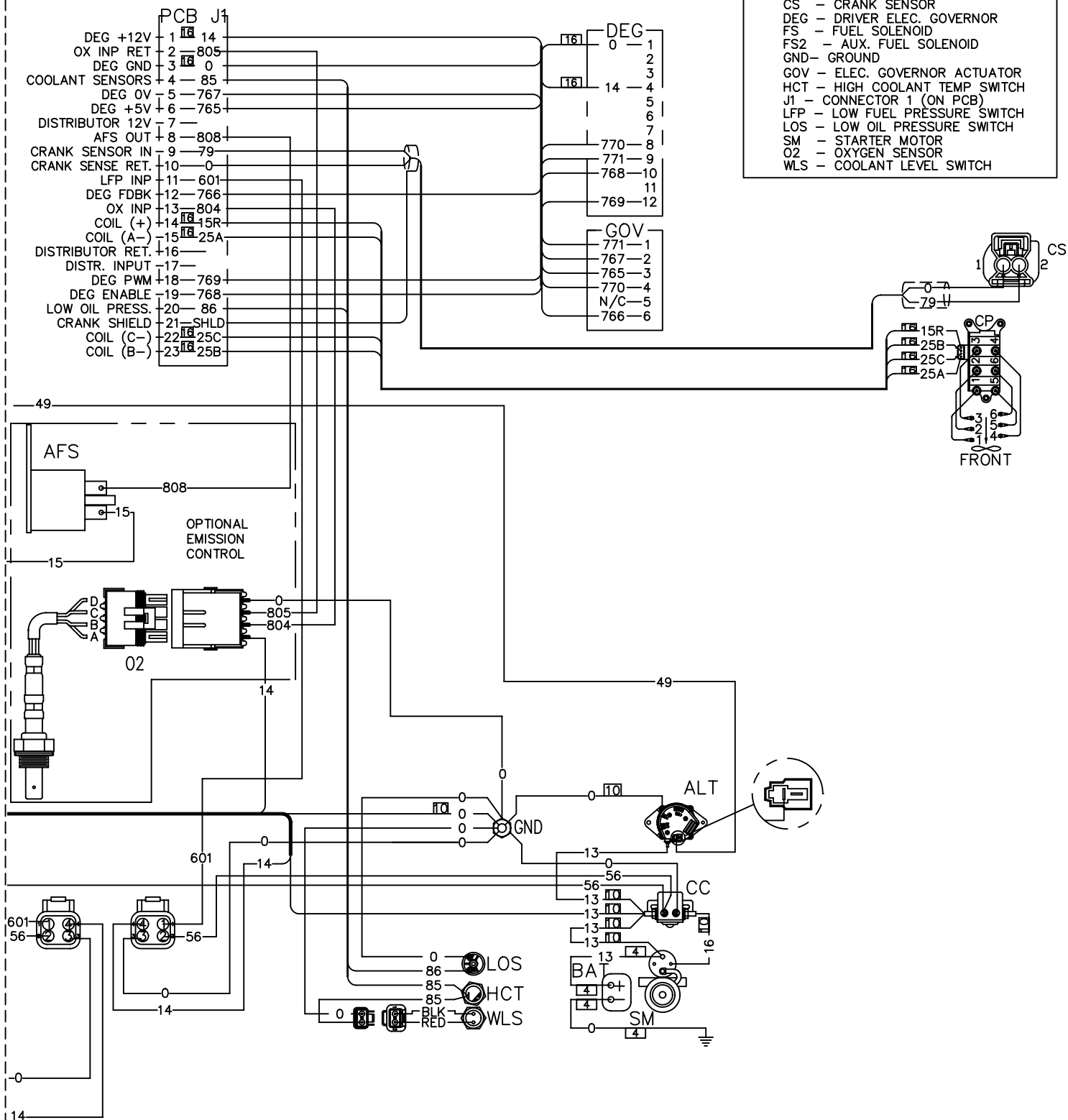
WIRING - DIAGRAM

## CUSTOMER CONNECTION & ALTERNATOR LEGEND:

BA - BRUSH ASSEMBLY (GENERATOR)  
ICT - INTERCONNECT TERMINAL BLOCK  
MCB - MAINLINE CIRCUIT BREAKER  
NB - NEUTRAL BLOCK  
UCT - UTILITY CONNECT TERMINAL BLOCK

## ENGINE WIRING LEGEND

ALT - D.C. CHARGE ALTERNATOR  
AFS - AIR/FUEL SOLENOIDS  
BAT - 12VDC BATTERY  
CC - STARTER CONTACTOR  
CP - COIL PACK  
CS - CRANK SENSOR  
DEG - DRIVER ELEC. GOVERNOR  
FS - FUEL SOLENOID  
FS2 - AUX. FUEL SOLENOID  
GND - GROUND  
GOV - ELEC. GOVERNOR ACTUATOR  
HCT - HIGH COOLANT TEMP SWITCH  
J1 - CONNECTOR 1 (ON PCB)  
LFP - LOW FUEL PRESSURE SWITCH  
LOS - LOW OIL PRESSURE SWITCH  
SM - STARTER MOTOR  
O2 - OXYGEN SENSOR  
WLS - COOLANT LEVEL SWITCH



WIRING - DIAGRAM

3.0L 50KW 2P

DRAWING #: 0F3866